

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015103.D
 Acq On : 05 Mar 2020 11:56
 Operator : JC/SP
 Sample : L1161-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 3/6/2020 4:49:53 PM

Quant Time: Mar 06 04:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	618843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	567795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	289218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	250482	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.48	113	200700	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	8.71	98	776511	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.13	95	268630	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	9054	2.509	ug/l	91
3) Chloromethane	1.32	50	14376	2.812	ug/l	99
4) Vinyl Chloride	1.40	62	14393	2.777	ug/l	99
5) Bromomethane	1.64	94	10415	3.268	ug/l	95
6) Chloroethane	1.72	64	8693	2.796	ug/l	91
7) Trichlorofluoromethane	1.92	101	16952	2.748	ug/l	98
8) Diethyl Ether	2.18	74	8178	2.927	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11574	2.983	ug/l	98
10) Methyl Iodide	2.50	142	7975	1.819	ug/l #	88
11) Tert butyl alcohol	3.03	59	17013	20.055	ug/l	95
12) 1,1-Dichloroethene	2.37	96	11456	2.860	ug/l	98
13) Acrolein	2.28	56	10195	12.788	ug/l	94
14) Allyl chloride	2.72	41	16578	2.374	ug/l	95
15) Acrylonitrile	3.14	53	24531	11.612	ug/l	93
16) Acetone	2.44	43	27489	13.883	ug/l	98
17) Carbon Disulfide	2.56	76	28673	2.578	ug/l	100
18) Methyl Acetate	2.76	43	13198	2.726	ug/l #	90
19) Methyl tert-butyl Ether	3.18	73	32909	2.630	ug/l	97
20) Methylene Chloride	2.85	84	12860	2.775	ug/l #	95
21) trans-1,2-Dichloroethene	3.16	96	12144	2.840	ug/l	84
22) Diisopropyl ether	3.84	45	37822	2.718	ug/l	92
23) Vinyl Acetate	3.80	43	143953	12.587	ug/l	98
24) 1,1-Dichloroethane	3.69	63	20314	2.631	ug/l	93
25) 2-Butanone	4.67	43	34684	11.965	ug/l	98
26) 2,2-Dichloropropane	4.57	77	17260	2.816	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	12543	2.614	ug/l	96
28) Bromochloromethane	5.01	49	10197	2.900	ug/l	94
29) Tetrahydrofuran	5.12	42	22564	12.075	ug/l	97
30) Chloroform	5.19	83	20814	2.766	ug/l	92
31) Cyclohexane	5.57	56	18585	2.698	ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	17312	2.775	ug/l	93
36) 1,1-Dichloropropene	5.79	75	15398	2.692	ug/l	97
37) Ethyl Acetate	4.82	43	13583	2.560	ug/l #	93
38) Carbon Tetrachloride	5.78	117	14335	2.655	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	17700	2.650	ug/l	99
40) Benzene	6.14	78	46141	2.718	ug/l	95
41) Methacrylonitrile	5.03	41	7741	2.429	ug/l	97
42) 1,2-Dichloroethane	6.18	62	18340	3.146	ug/l	90
43) Isopropyl Acetate	6.43	43	23574	2.525	ug/l	98
44) Trichloroethene	7.20	130	13467	2.849	ug/l	91
45) 1,2-Dichloropropane	7.51	63	11199	2.549	ug/l #	86
46) Dibromomethane	7.65	93	8215	2.870	ug/l	96
47) Bromodichloromethane	7.89	83	14886	2.630	ug/l #	98
48) Methyl methacrylate	7.76	41	10383	2.185	ug/l	94
49) 1,4-Dioxane	7.75	88	4972	48.397	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	66992	12.137	ug/l	99
52) Toluene	8.78	92	29218	2.815	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	14409	2.391	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	16650	2.444	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	10936	2.560	ug/l	95
56) Ethyl methacrylate	9.17	69	14006	2.299	ug/l	99
57) 1,3-Dichloropropane	9.37	76	18922	2.633	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	42053	12.670	ug/l	98
59) 2-Hexanone	9.48	43	49712	12.151	ug/l	98
60) Dibromochloromethane	9.57	129	10941	2.438	ug/l	93
61) 1,2-Dibromoethane	9.67	107	11970	2.668	ug/l	97
64) Tetrachloroethene	9.33	164	13460	2.867	ug/l	95
65) Chlorobenzene	10.14	112	31800	2.790	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	10195	2.372	ug/l	94
67) Ethyl Benzene	10.25	91	51695	2.671	ug/l	100
68) m/p-Xylenes	10.36	106	38566	5.237	ug/l	99
69) o-Xylene	10.70	106	18105	2.568	ug/l	99
70) Styrene	10.71	104	28169	2.330	ug/l	98
71) Bromoform	10.85	173	7546	2.264	ug/l #	98
73) Isopropylbenzene	11.01	105	47858	2.590	ug/l	99
74) N-amyl acetate	10.89	43	18290	2.349	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	16084	2.612	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	12970m	2.248	ug/l	
77) Bromobenzene	11.25	156	14104	2.739	ug/l	97
78) n-propylbenzene	11.35	91	57071	2.704	ug/l	99
79) 2-Chlorotoluene	11.42	91	34058	2.702	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	39594	2.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4107m	2.020	ug/l	
82) 4-Chlorotoluene	11.51	91	38806	2.606	ug/l	99
83) tert-Butylbenzene	11.76	119	39600	2.663	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	40118	2.596	ug/l	100
85) sec-Butylbenzene	11.94	105	46299	2.579	ug/l	98
86) p-Isopropyltoluene	12.06	119	42928	2.595	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	25368	2.803	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	26735	2.861	ug/l	94
89) n-Butylbenzene	12.39	91	36532	2.483	ug/l	99
90) Hexachloroethane	12.59	117	7421	2.373	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	24586	2.732	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3505	2.843	ug/l	91

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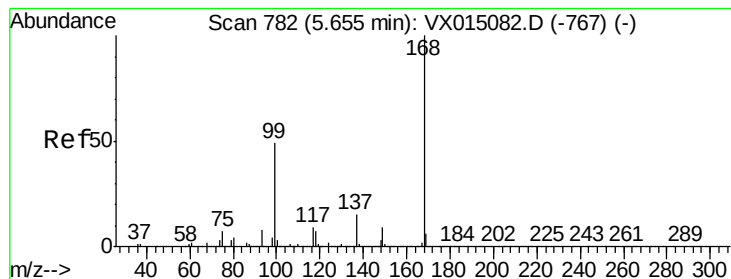
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	16857	2.699	ug/l	97
94) Hexachlorobutadiene	13.78	225	8697	2.713	ug/l	96
95) Naphthalene	13.83	128	37846	2.217	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	16098	2.583	ug/l	95

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



#1

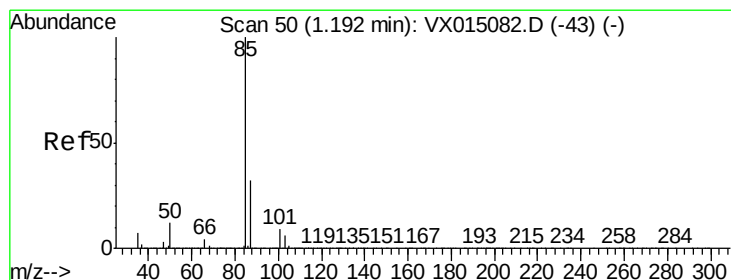
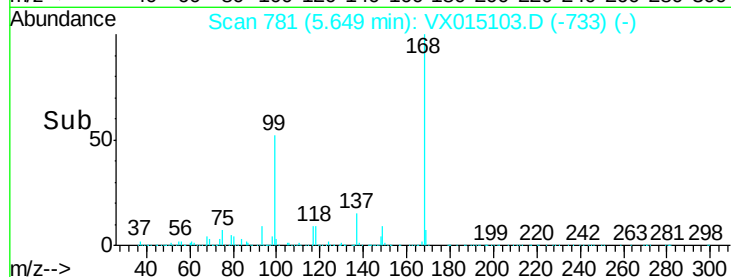
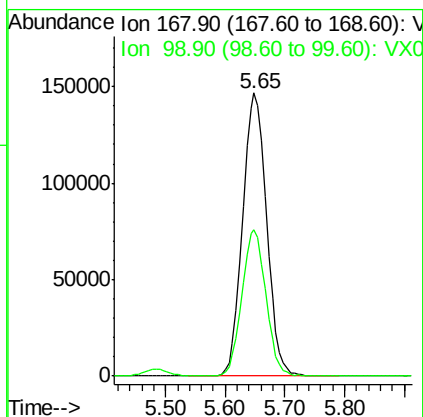
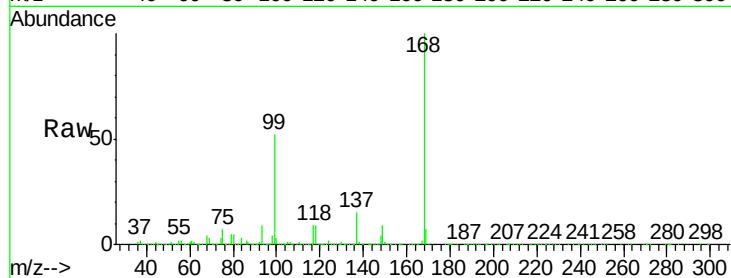
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.8	39.4	59.2

Manual Integrations
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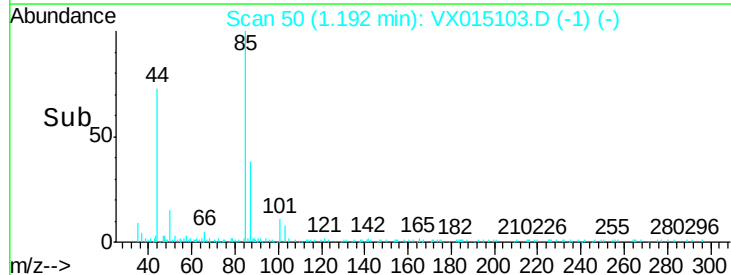
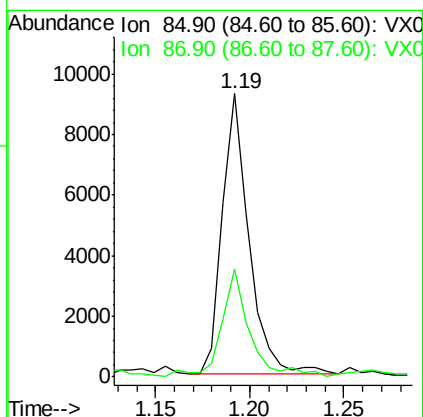
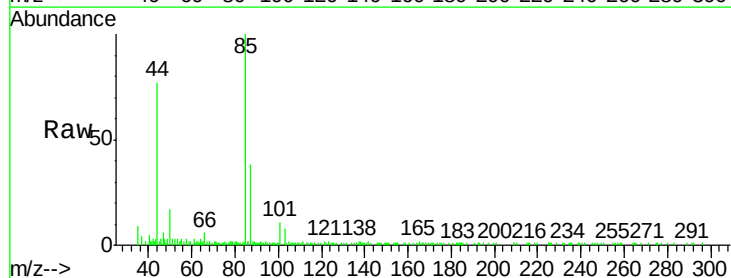
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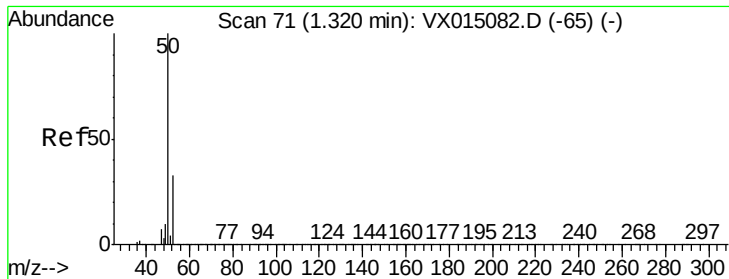


#2

Dichlorodifluoromethane
Concen: 2.509 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.2	48.5





#3

Chloromethane

Concen: 2.812 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 14376

Ion Ratio Lower Upper

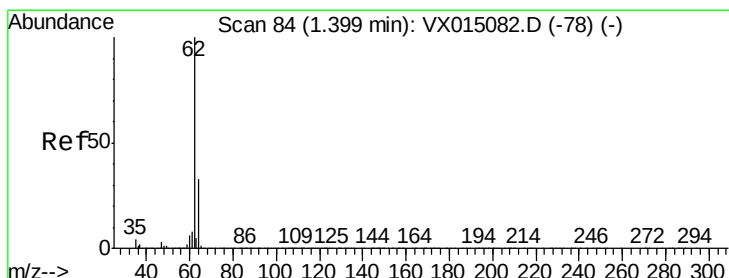
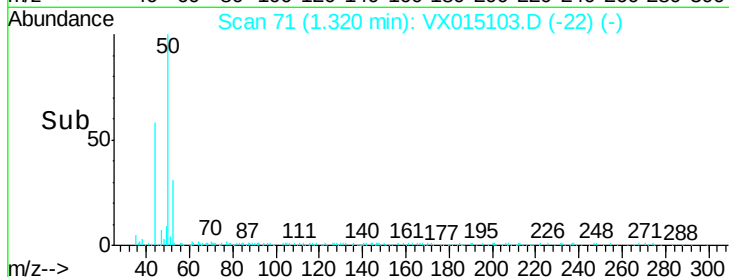
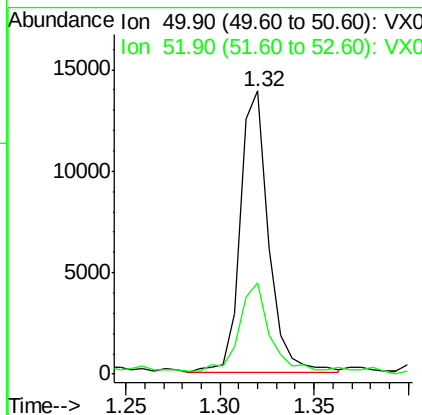
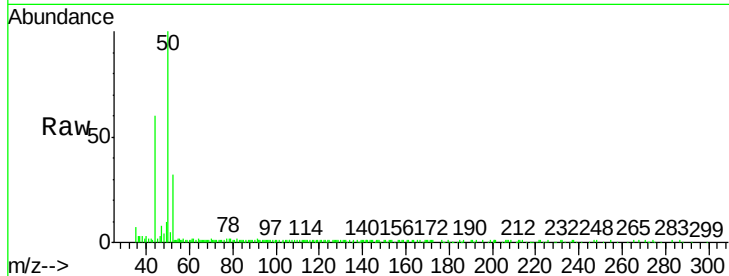
50 100

52 31.9 26.2 39.2

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#4

Vinyl Chloride

Concen: 2.777 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015103.D

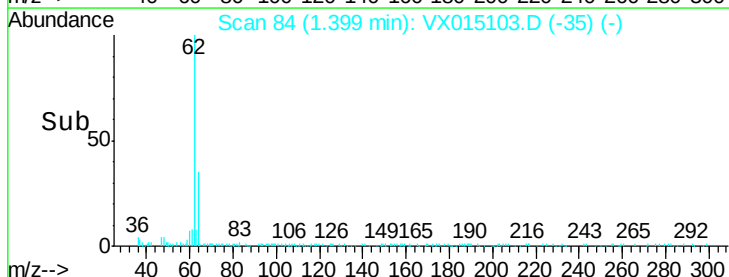
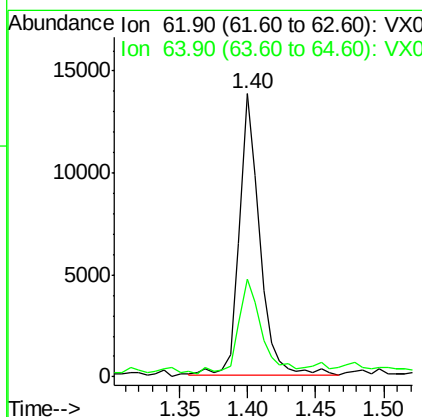
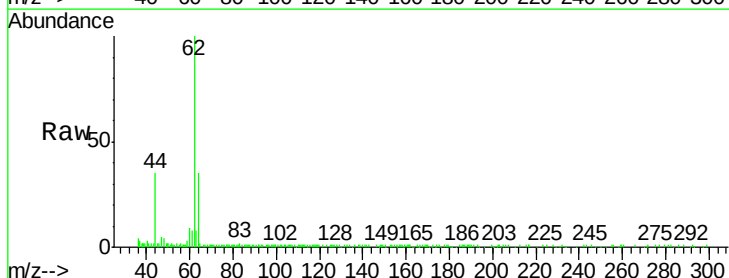
Acq: 05 Mar 2020 11:56

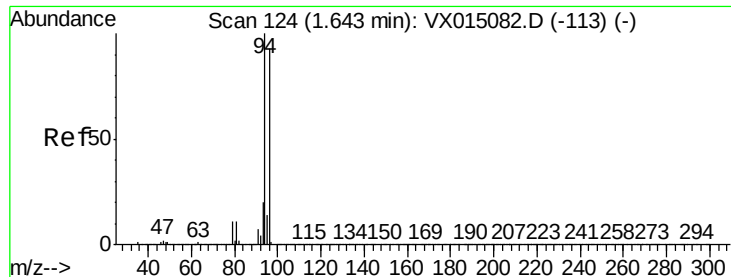
Tgt Ion: 62 Resp: 14393

Ion Ratio Lower Upper

62 100

64 33.0 26.1 39.1





#5

Bromomethane

Concen: 3.268 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 10415

Ion Ratio Lower Upper

94 100

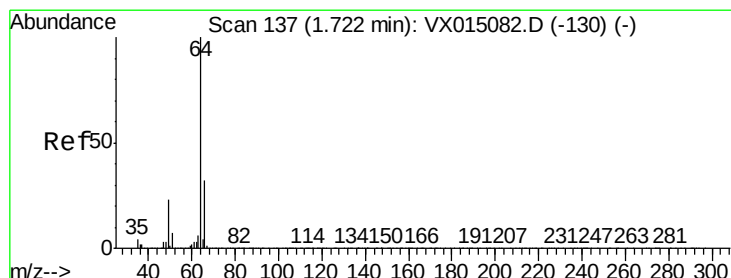
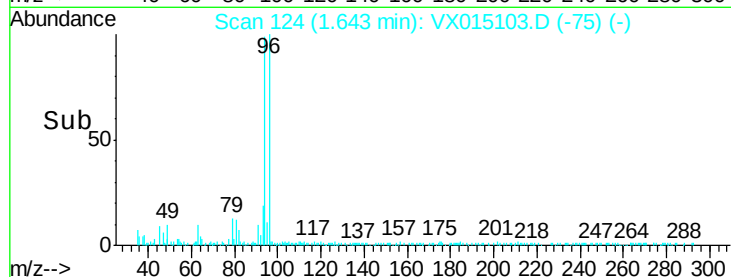
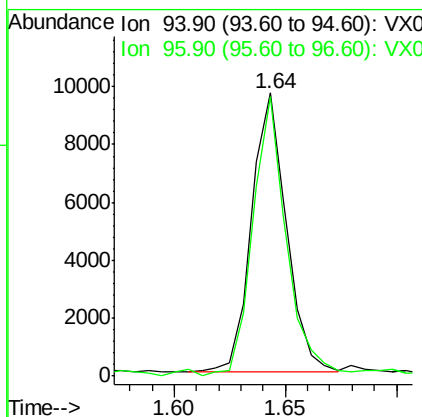
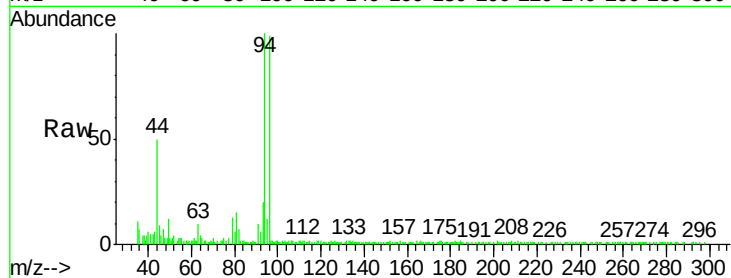
96 98.5 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 2.796 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015103.D

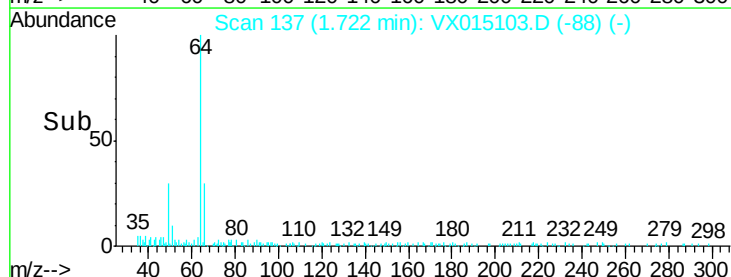
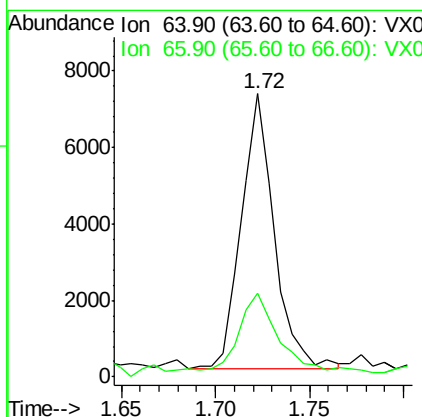
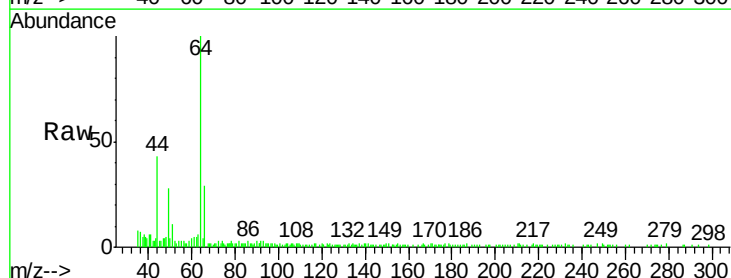
Acq: 05 Mar 2020 11:56

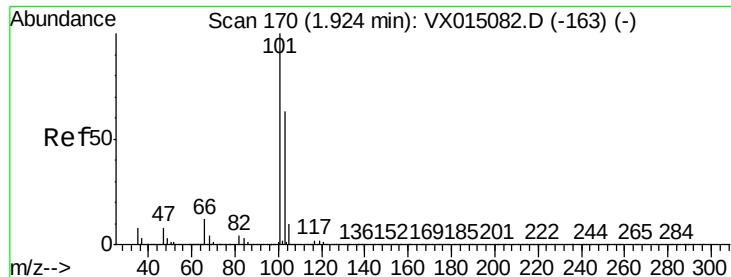
Tgt Ion: 64 Resp: 8693

Ion Ratio Lower Upper

64 100

66 27.4 25.8 38.8





#7

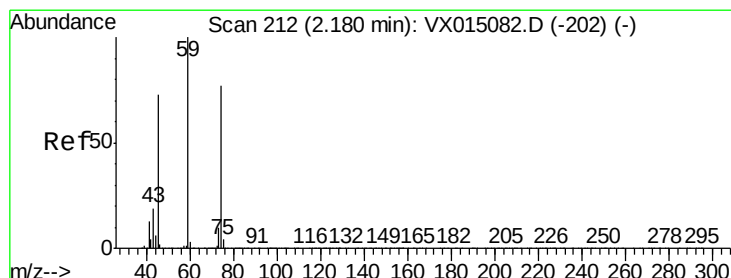
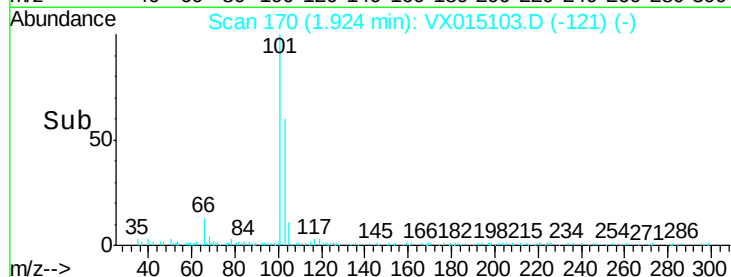
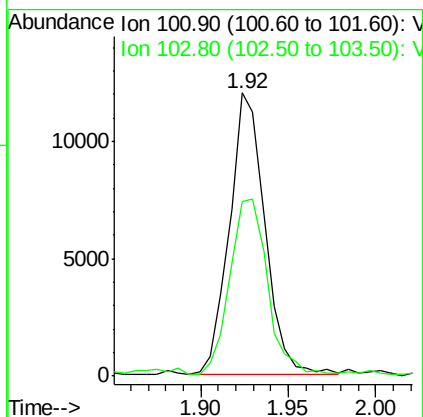
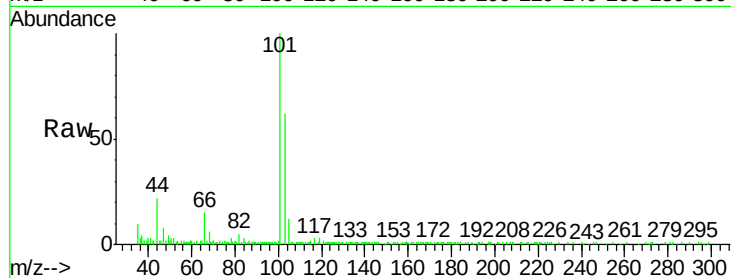
Trichlorofluoromethane
Concen: 2.748 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	50.4	75.6

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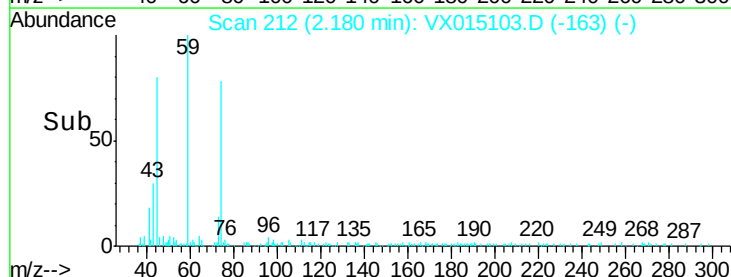
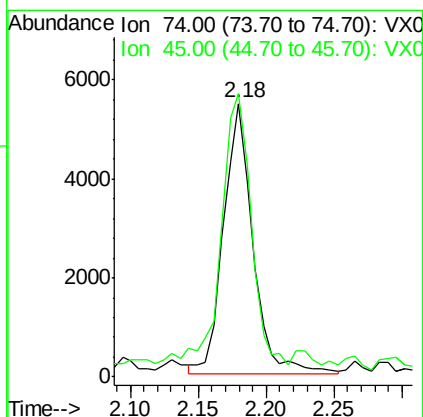
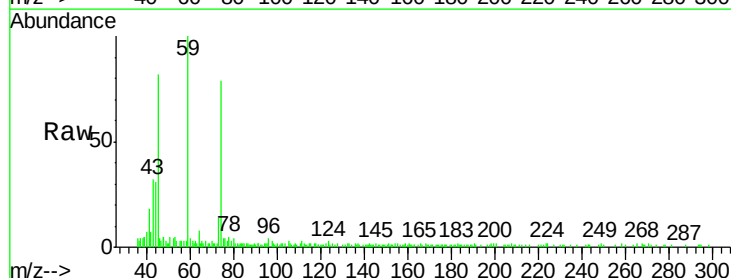
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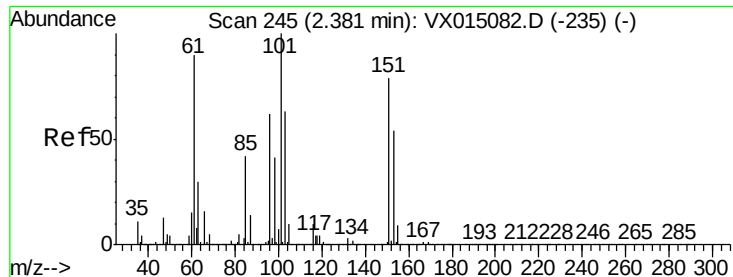


#8

Diethyl Ether
Concen: 2.927 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.983 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

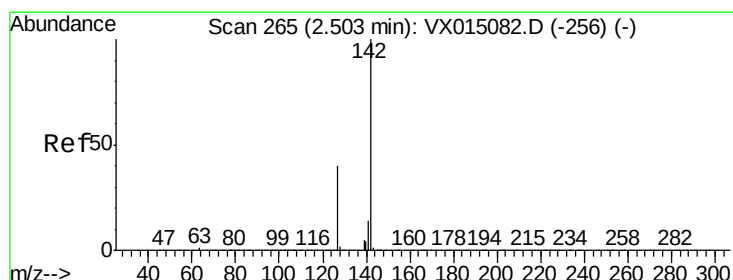
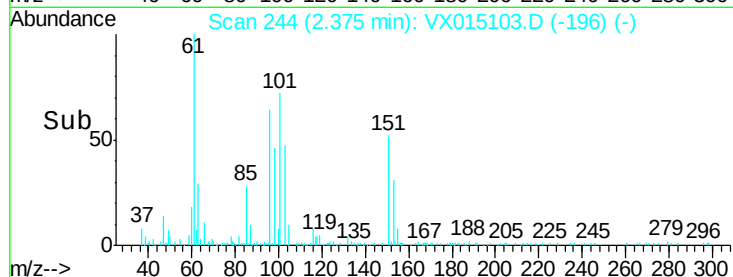
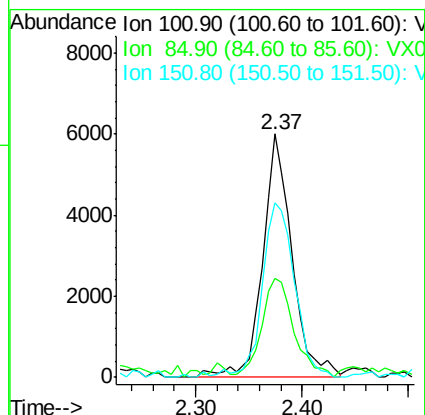
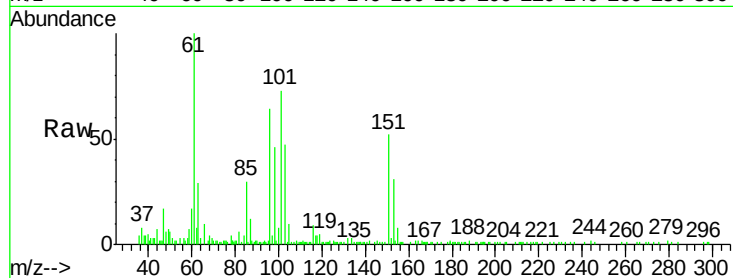
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	101	Resp:	11574
Ion Ratio	Lower	Upper	
101	100		
85	44.7	33.7	50.5
151	79.9	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 1.819 ug/l

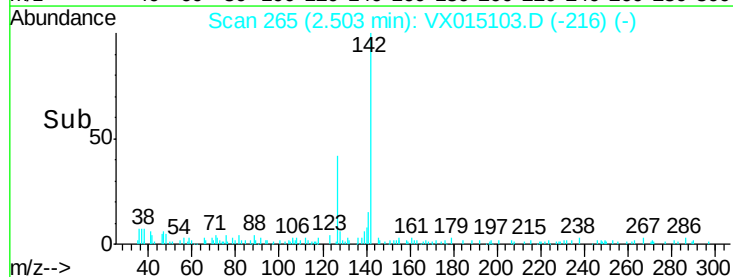
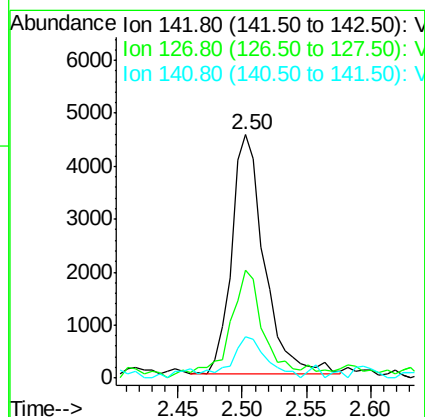
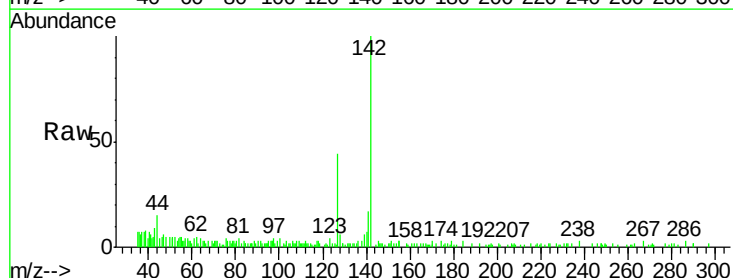
RT: 2.50 min Scan# 265

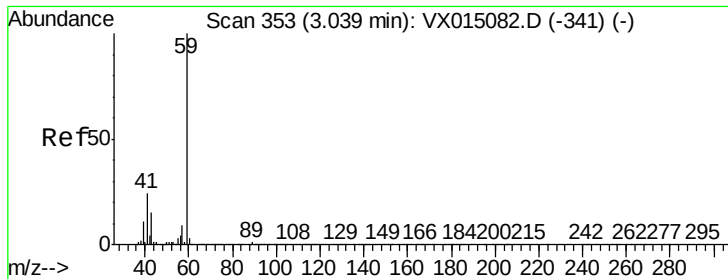
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	142	Resp:	7975
Ion Ratio	Lower	Upper	
142	100		
127	47.4	31.7	47.5
141	18.4	11.3	16.9#





#11

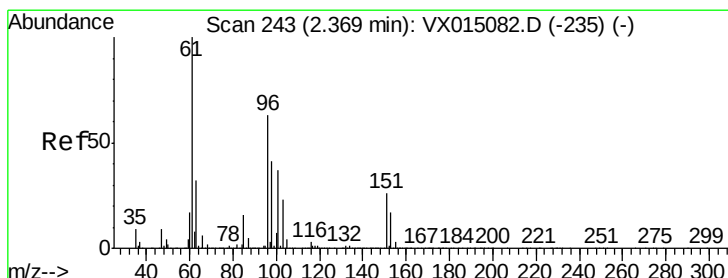
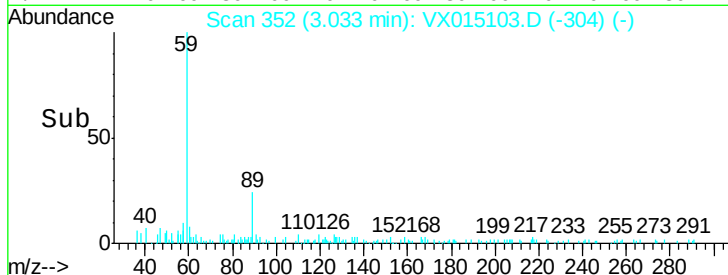
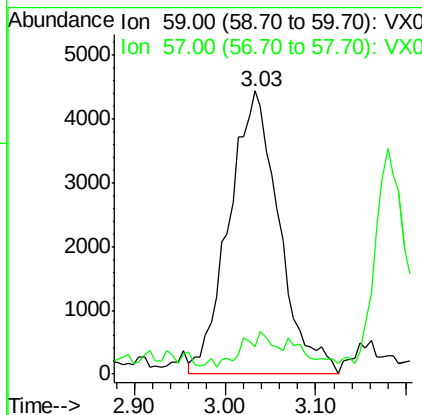
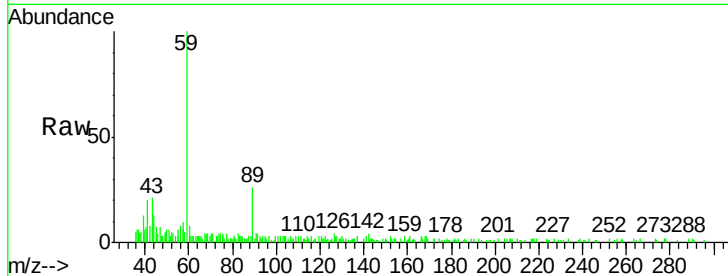
Tert butyl alcohol
Concen: 20.055 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.2	12.4

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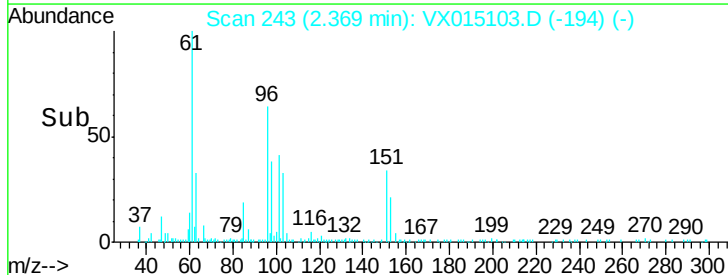
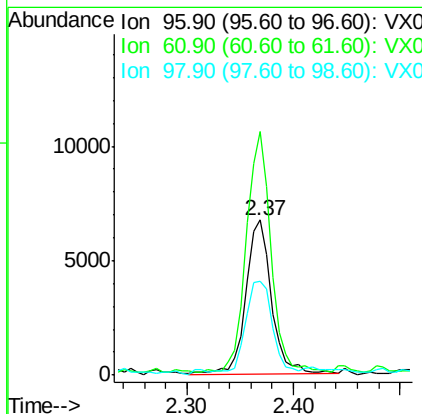
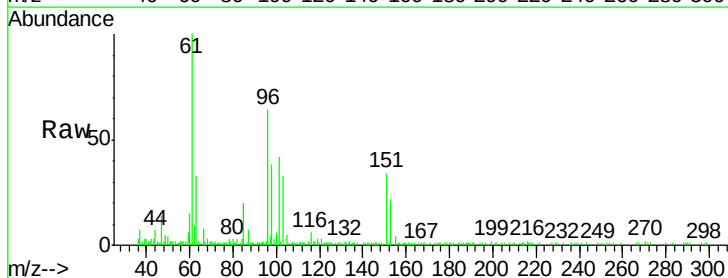
MMDadoda
3/6/2020 4:49:53 PM

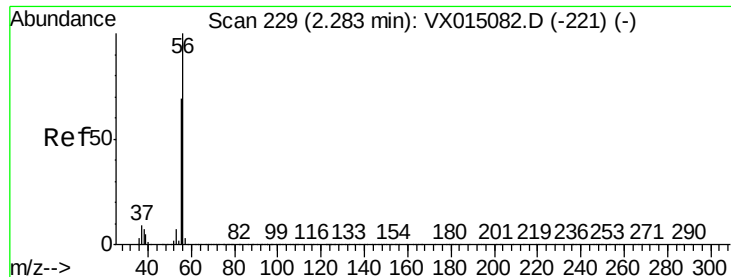


#12

1,1-Dichloroethene
Concen: 2.860 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	126.2	189.4
98	60.7	51.4	77.0





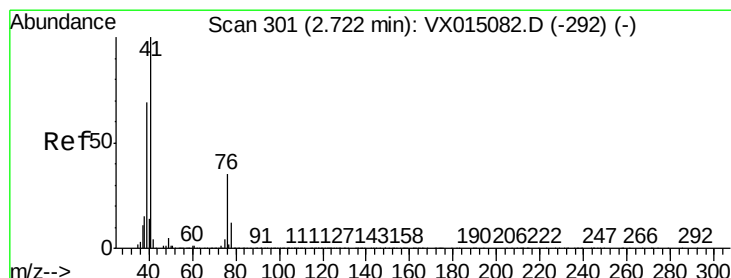
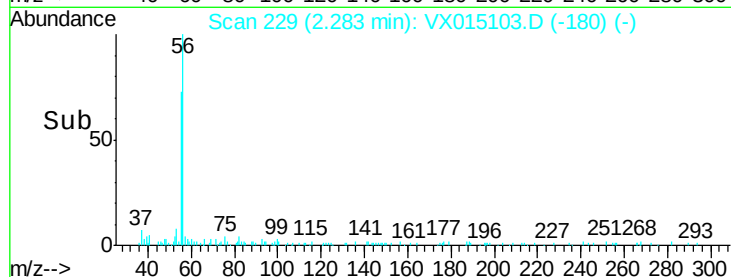
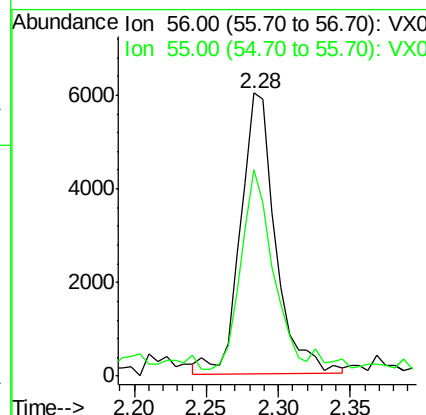
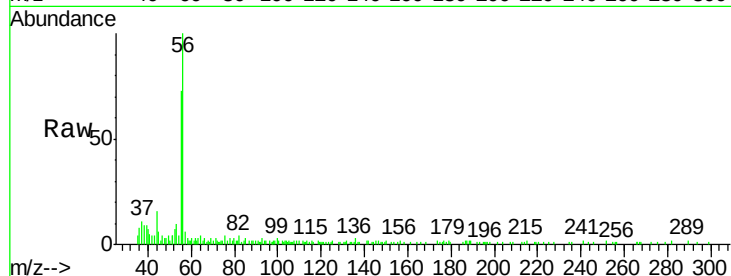
#13
Acrolein
Concen: 12.788 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	64.2	55.4	83.0

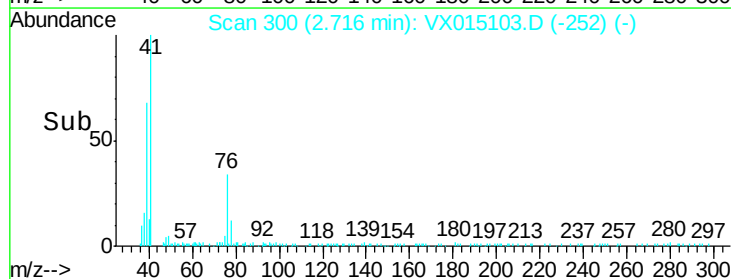
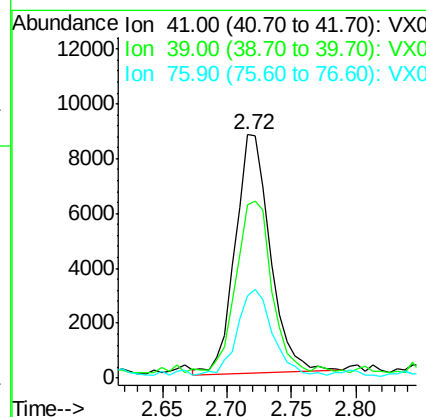
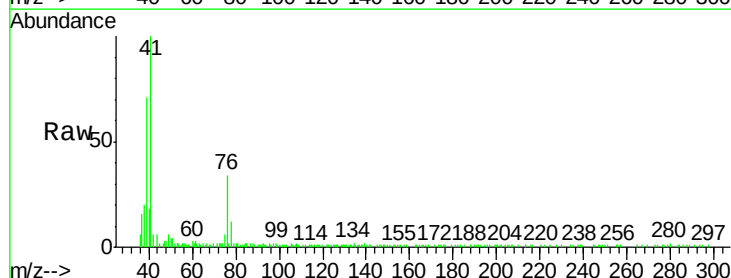
Manual Integrations
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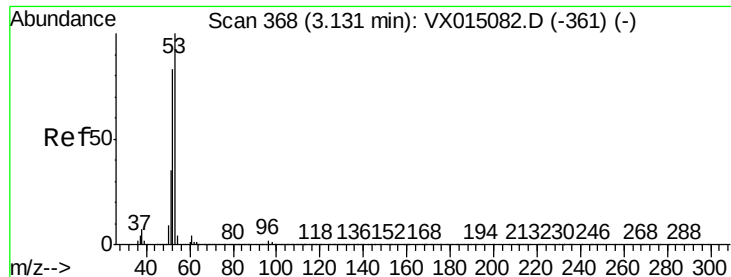
MMDadoda
3/6/2020 4:49:53 PM



#14
Allyl chloride
Concen: 2.374 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.3	52.9	79.3
76	34.8	26.8	40.2





#15

Acrylonitrile

Concen: 11.612 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

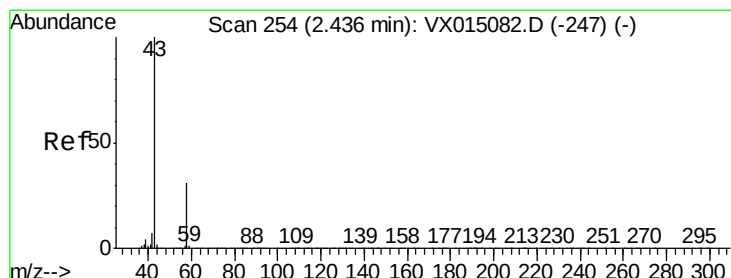
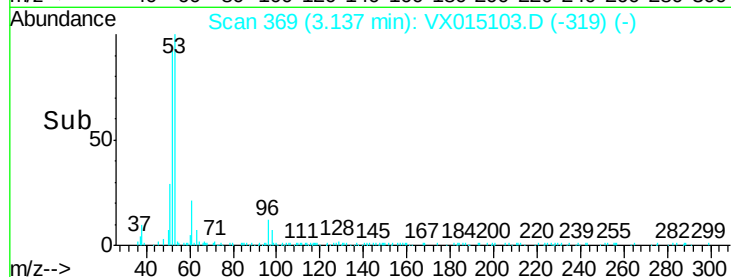
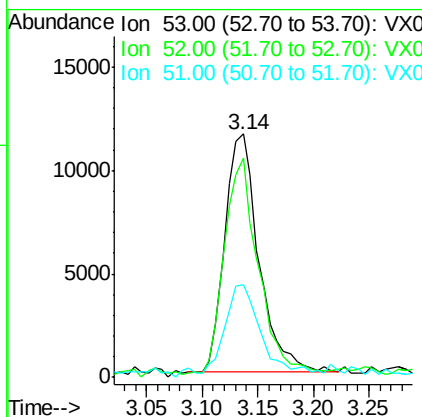
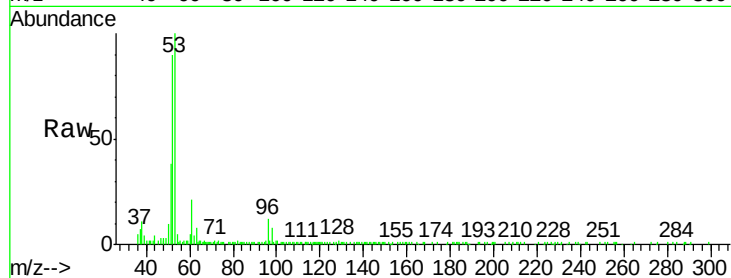
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	53	Resp:	24531
Ion Ratio	Lower	Upper	
53	100		
52	90.7	66.6	100.0
51	38.3	29.0	43.6

Manual Integrations
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3/6/2020 4:49:53 PM



#16

Acetone

Concen: 13.883 ug/l

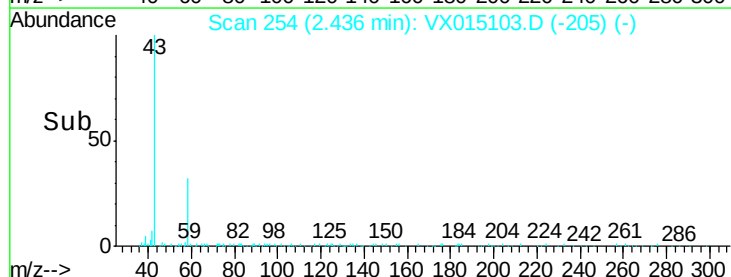
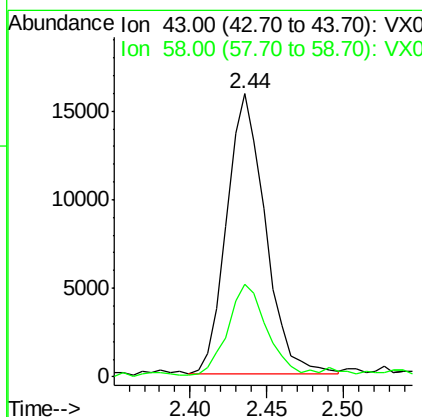
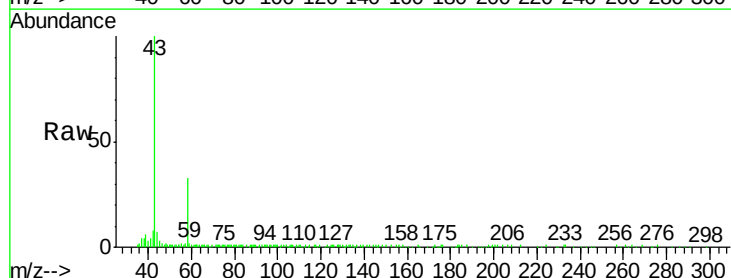
RT: 2.44 min Scan# 254

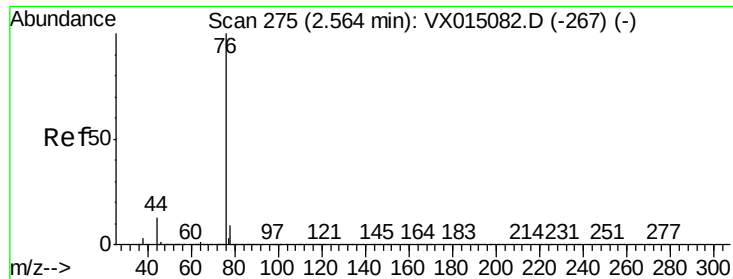
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	43	Resp:	27489
Ion Ratio	Lower	Upper	
43	100		
58	32.2	24.8	37.2





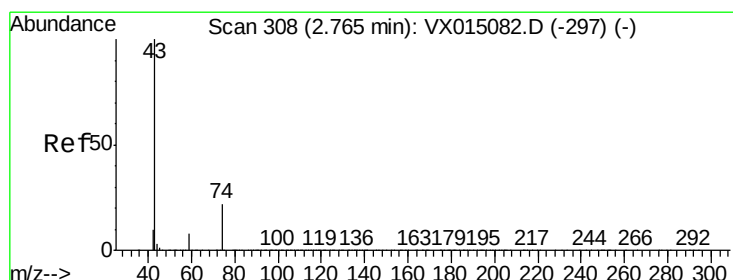
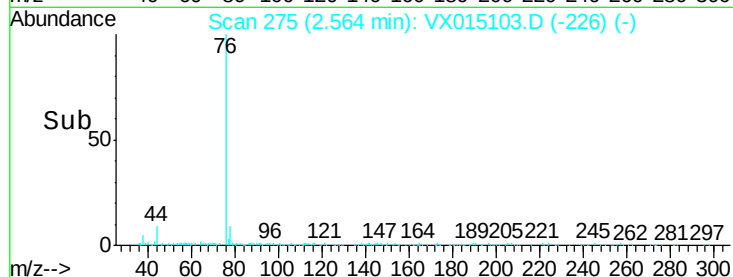
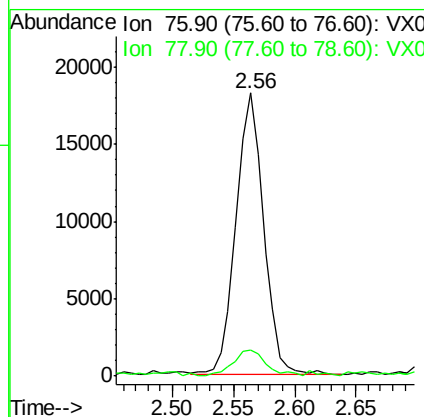
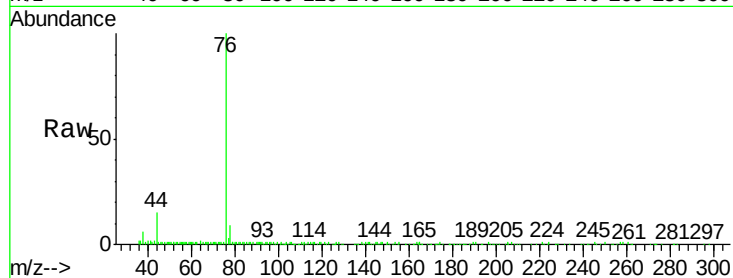
#17
Carbon Disulfide
Concen: 2.578 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

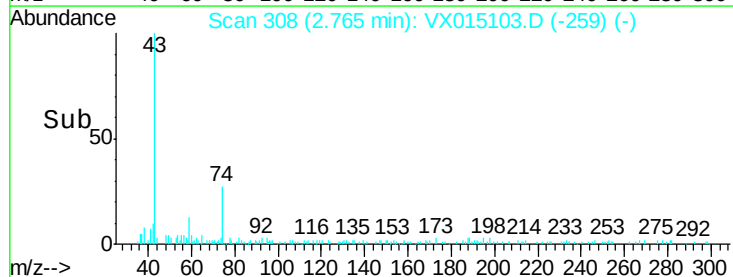
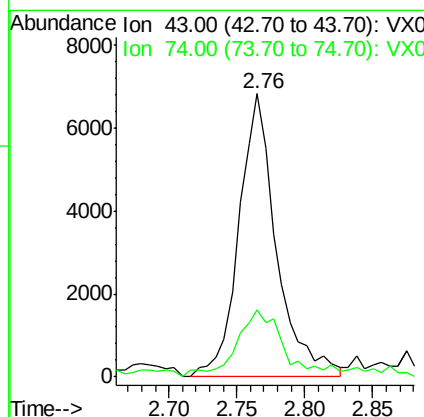
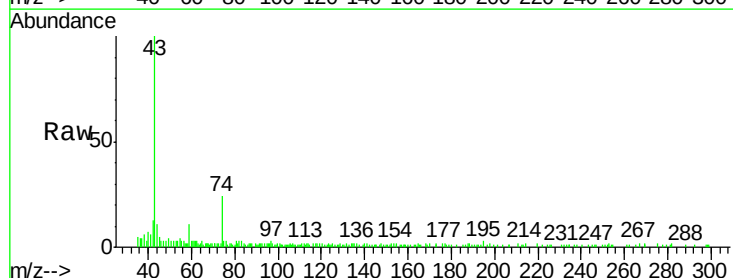
Manual Integrations
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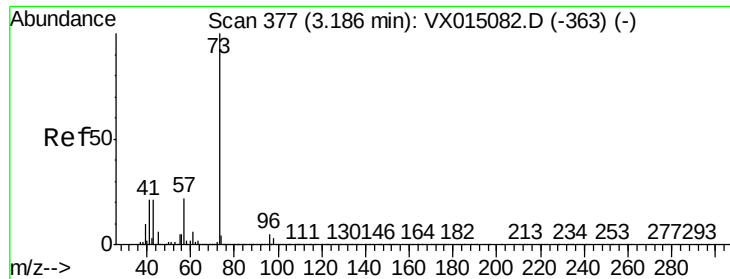
MMDadoda
3/6/2020 4:49:53 PM



#18
Methyl Acetate
Concen: 2.726 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	18.8	28.2





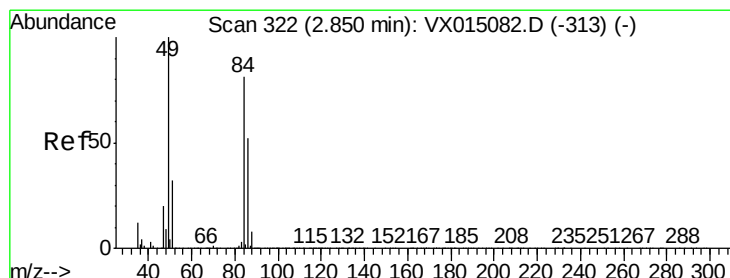
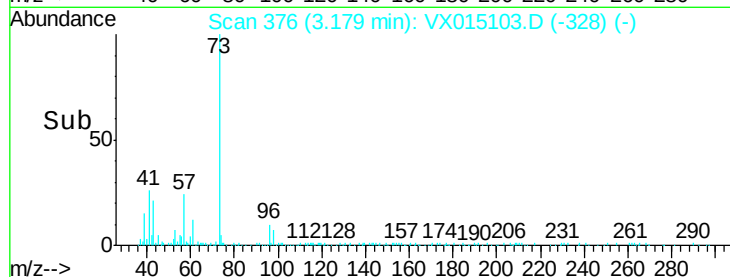
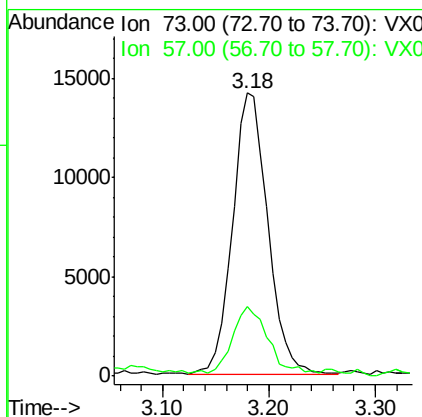
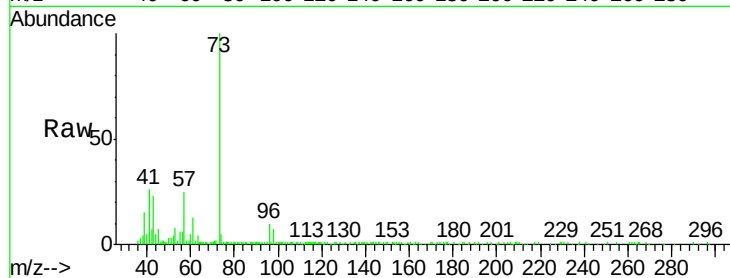
#19
Methyl tert-butyl Ether
Concen: 2.630 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.8	26.6

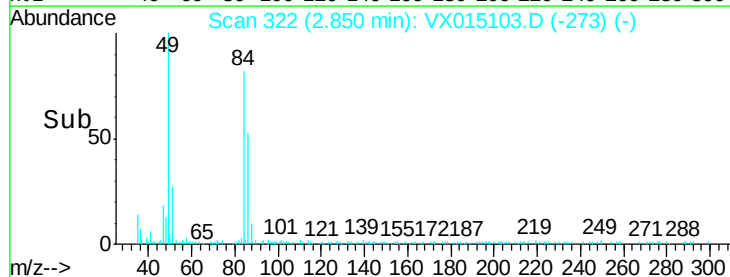
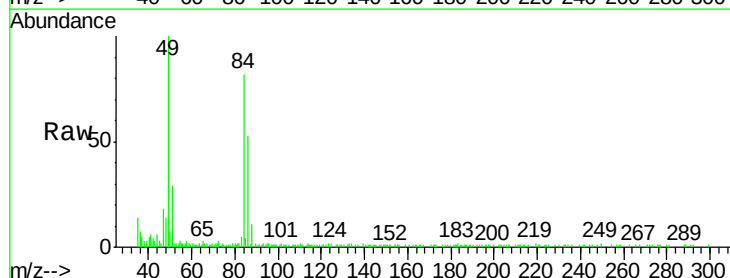
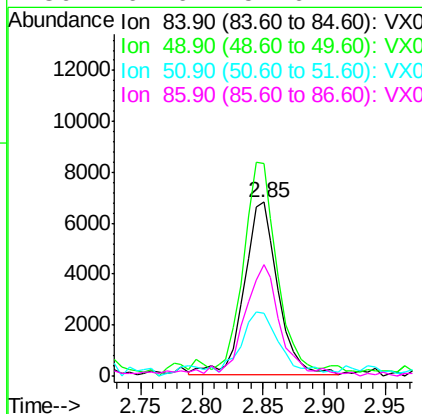
Manual Integrations
APPROVED

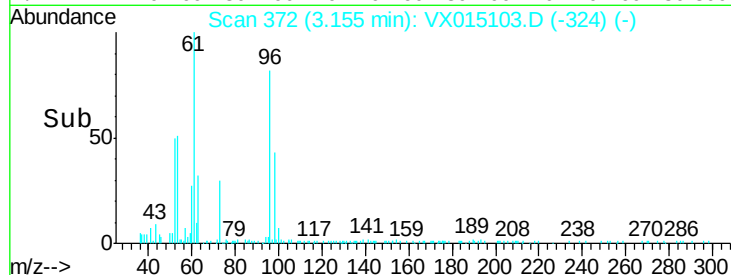
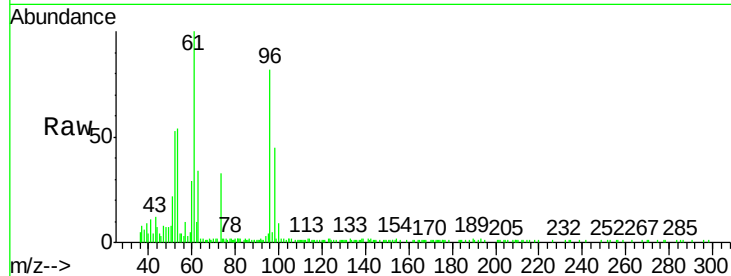
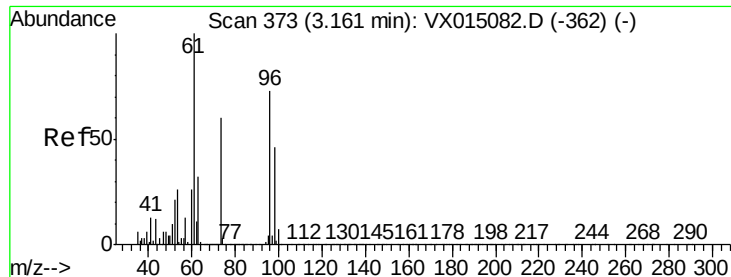
MMDadoda
3/6/2020 4:49:53 PM



#20
Methylene Chloride
Concen: 2.775 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	99.4	149.2
51	31.2	31.5	47.3
86	62.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 2.840 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tot Ion:	96	Resp:	12144
Ion	Ratio	Lower	Upper
96	100		
61	118.5	109.9	164.9
98	51.0	50.2	75.2

Instrument :

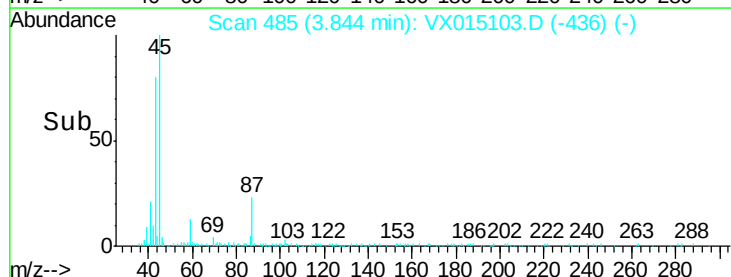
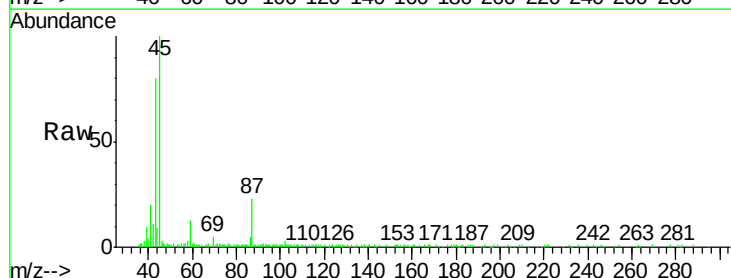
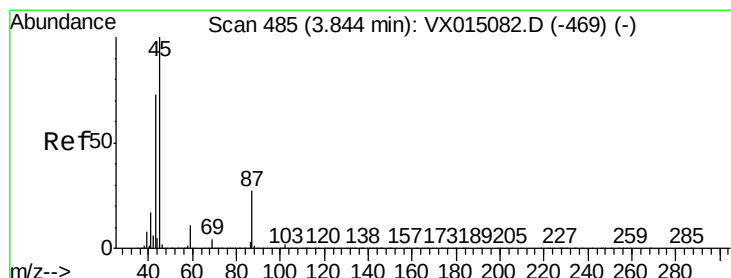
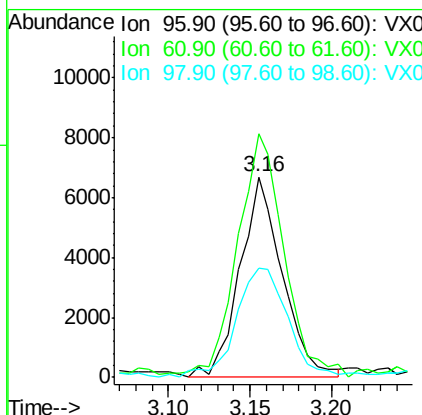
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Manual Integrations
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MMDadoda
3/6/2020 4:49:53 PM



#22

Diisopropyl ether

Concen: 2.718 ug/l

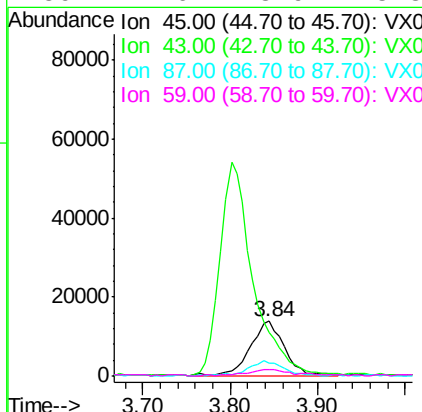
RT: 3.84 min Scan# 485

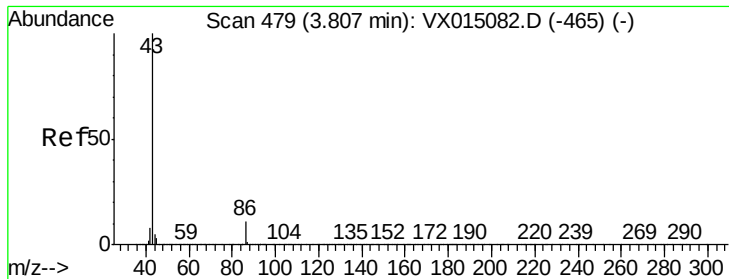
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	45	Resp:	37822
Ion	Ratio	Lower	Upper
45	100		
43	79.6	58.2	87.2
87	22.0	21.2	31.8
59	12.6	8.9	13.3





#23

Vinyl Acetate

Concen: 12.587 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 143953

Ion Ratio Lower Upper

43 100

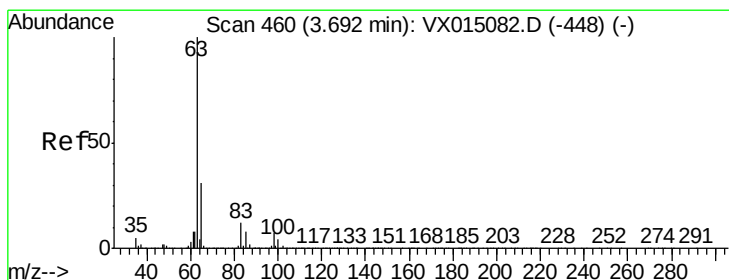
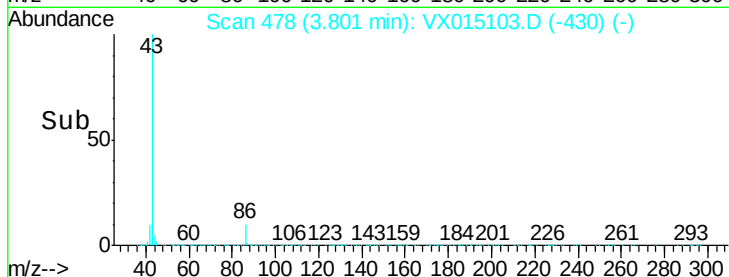
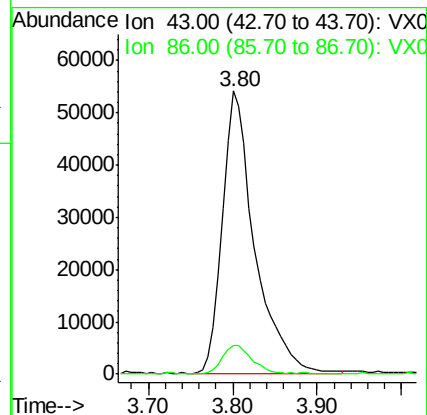
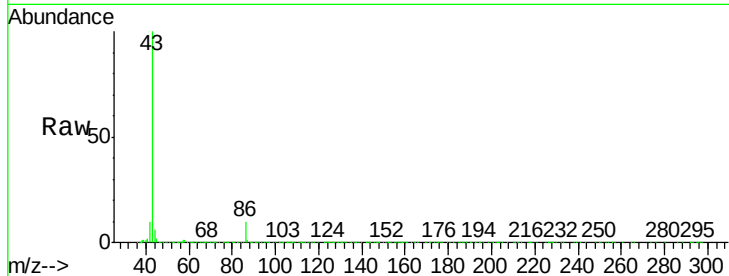
86 9.9 8.6 12.8

Manual Integrations

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MMDadoda

3/6/2020 4:49:53 PM



#24

1,1-Dichloroethane

Concen: 2.631 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

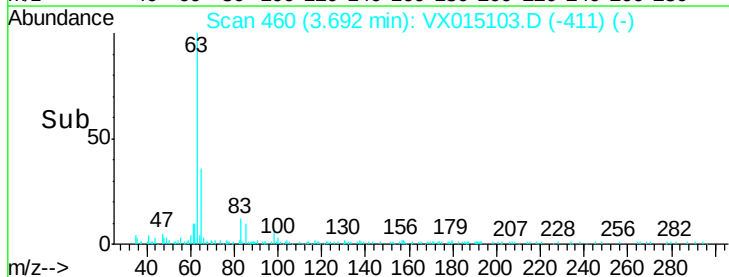
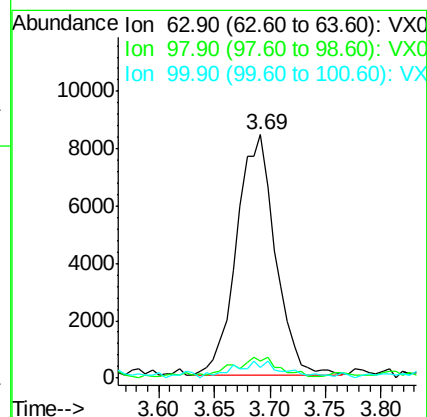
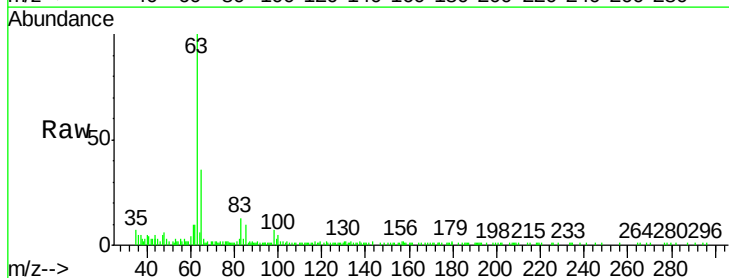
Tgt Ion: 63 Resp: 20314

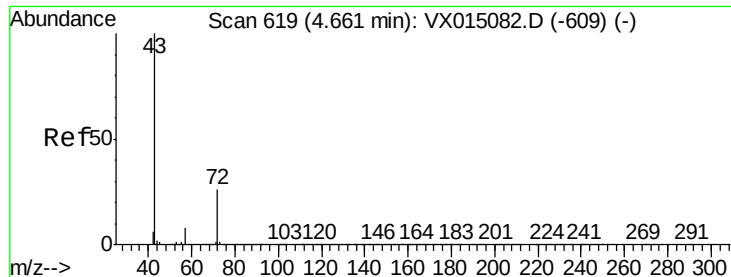
Ion Ratio Lower Upper

63 100

98 5.0 3.7 11.1

100 2.4 2.1 6.5





#25

2-Butanone

Concen: 11.965 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 34684

Ion Ratio Lower Upper

43 100

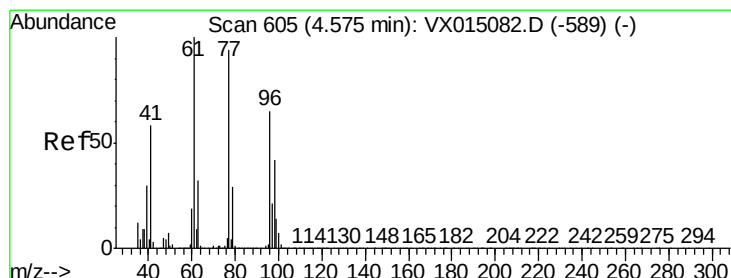
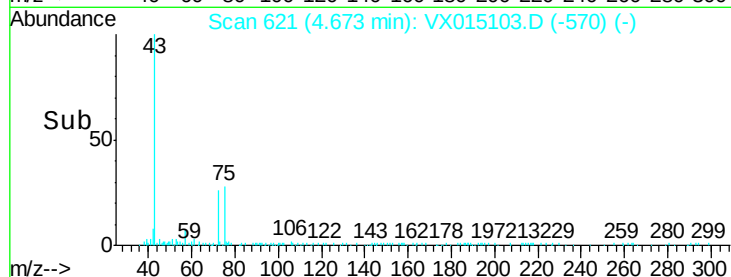
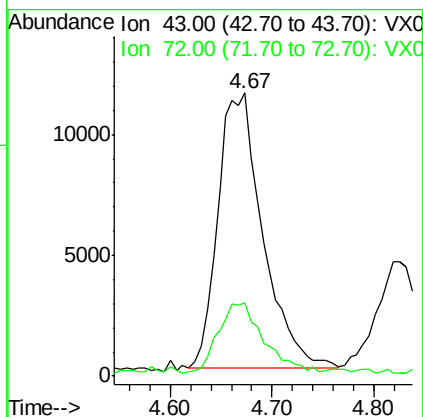
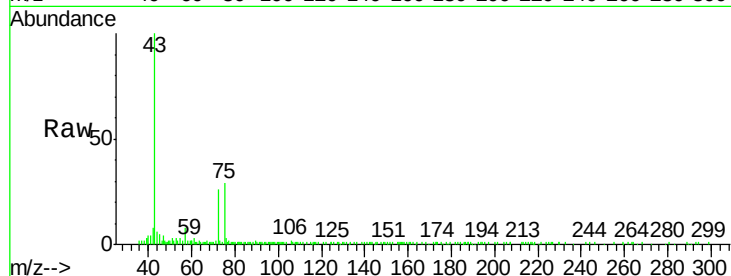
72 24.9 20.6 30.8

Manual Integrations

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MMDadoda

3/6/2020 4:49:53 PM



#26

2,2-Dichloropropane

Concen: 2.816 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015103.D

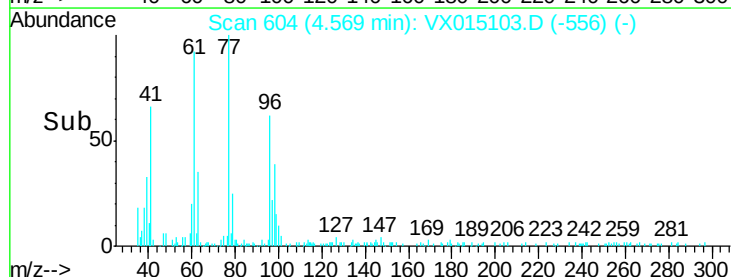
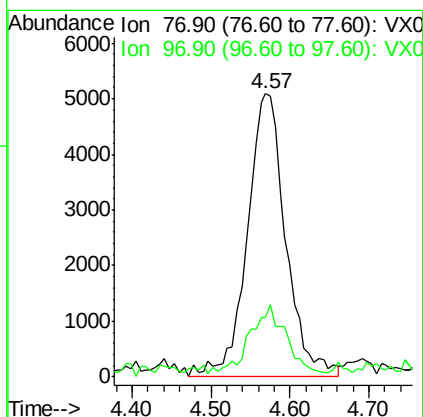
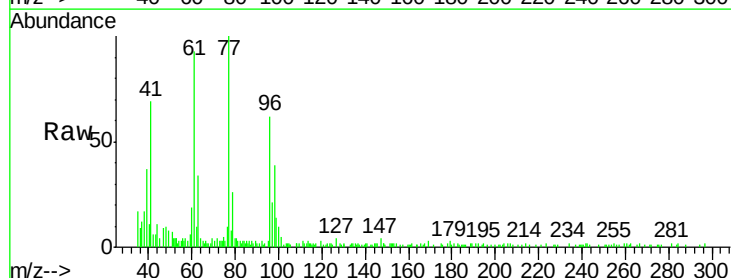
Acq: 05 Mar 2020 11:56

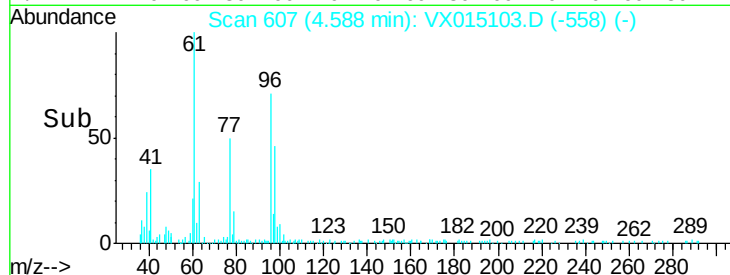
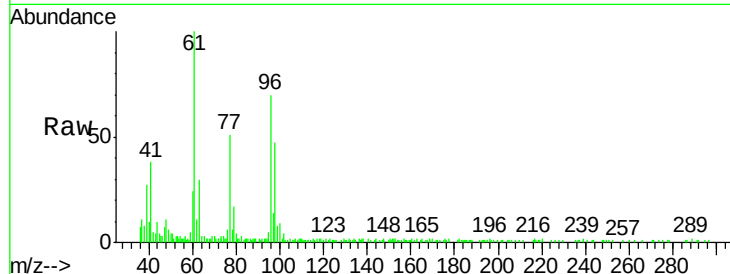
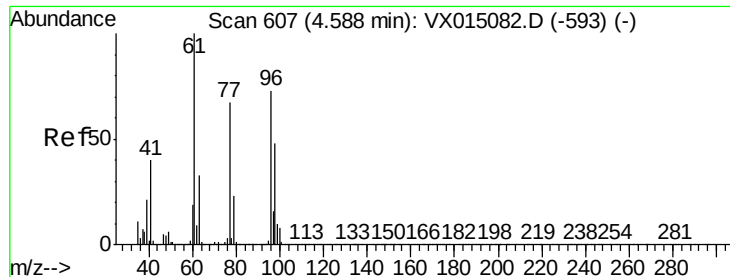
Tgt Ion: 77 Resp: 17260

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 2.614 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

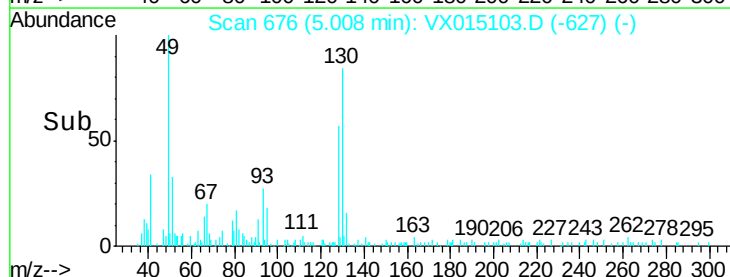
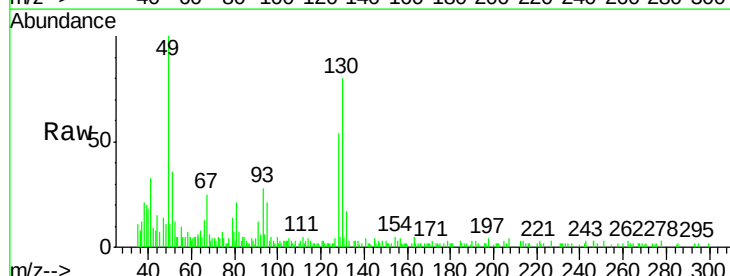
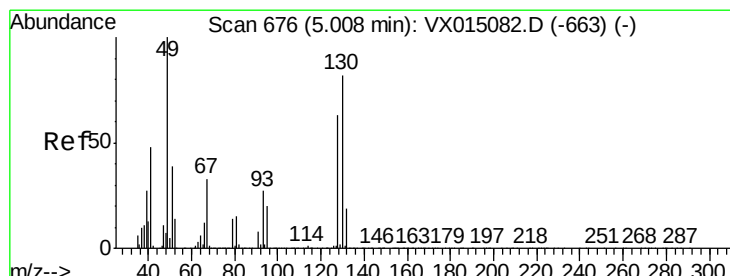
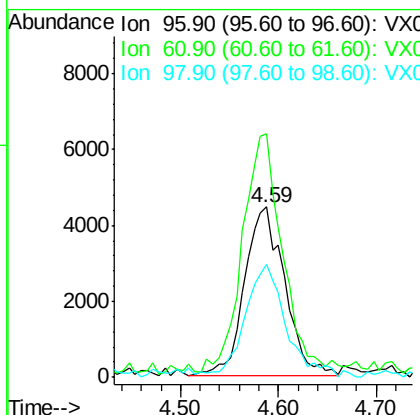
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	286.8
98	69.6	0.0	128.4

Instrument :
MSVOA_X

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

Manual Integrations
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3/6/2020 4:49:53 PM



#28

Bromochloromethane

Concen: 2.900 ug/l

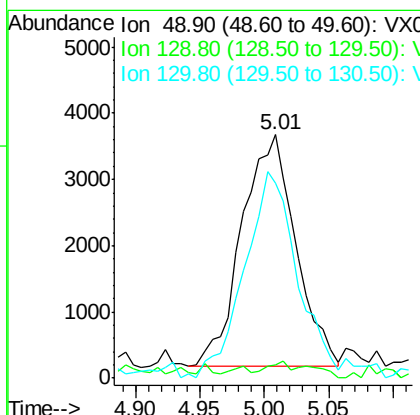
RT: 5.01 min Scan# 676

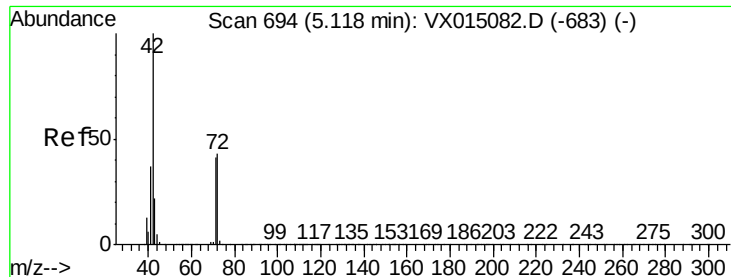
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	86.6	65.0	97.6





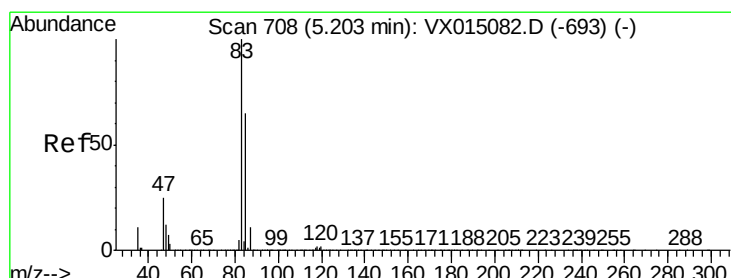
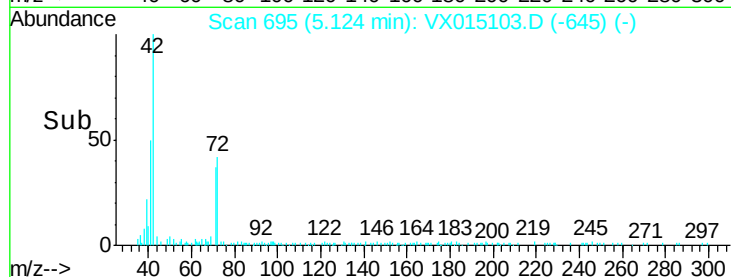
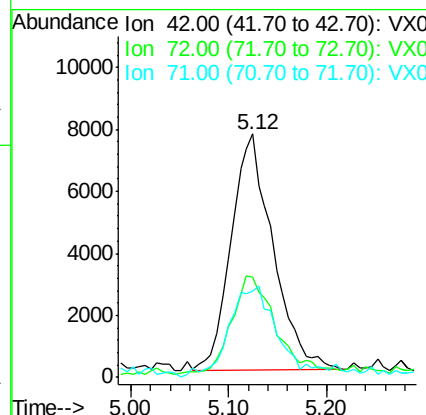
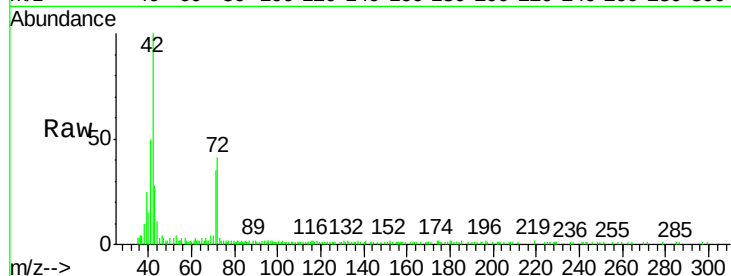
#29
Tetrahydrofuran
Concen: 12.075 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.4	54.6
71	44.9	33.3	49.9

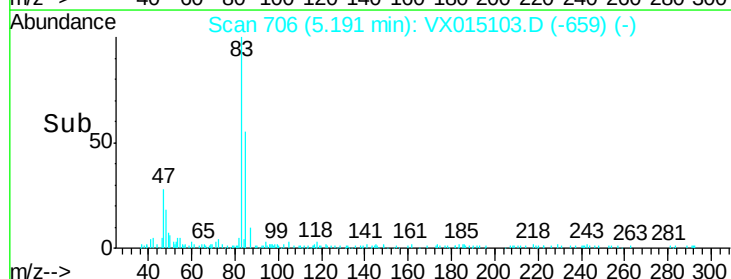
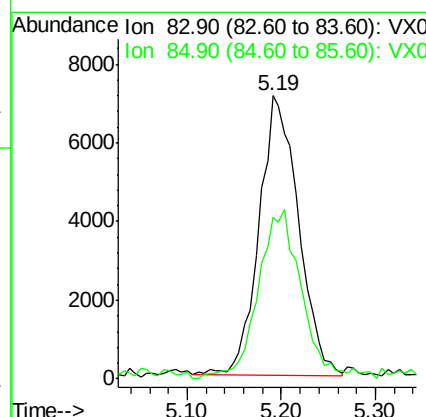
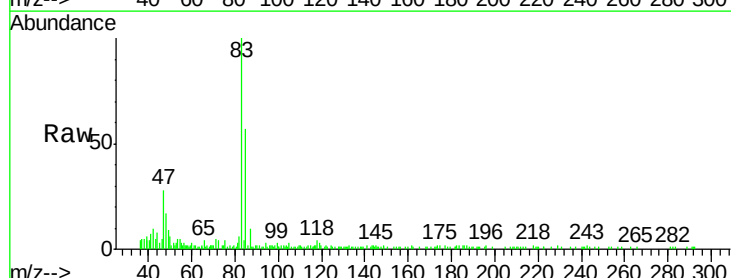
Manual Integrations
APPROVED

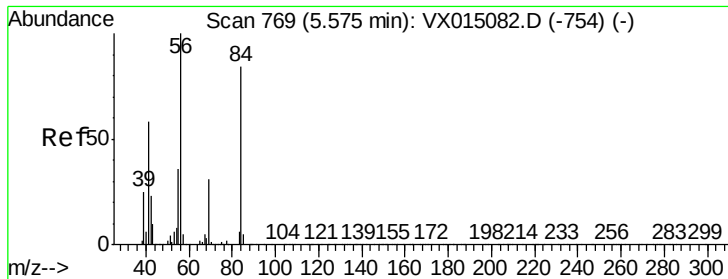
MMDadoda
3/6/2020 4:49:53 PM



#30
Chloroform
Concen: 2.766 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.0	78.0





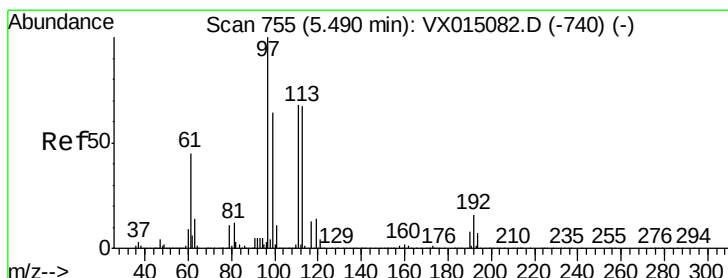
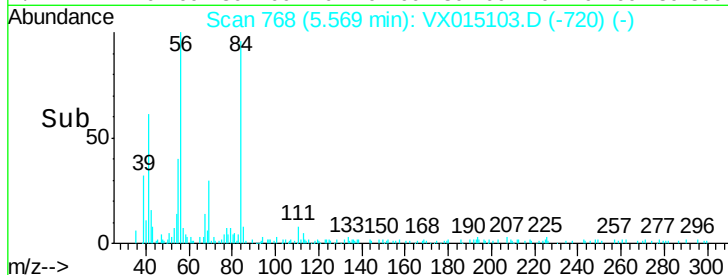
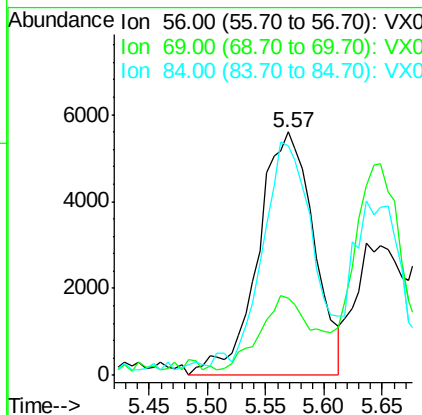
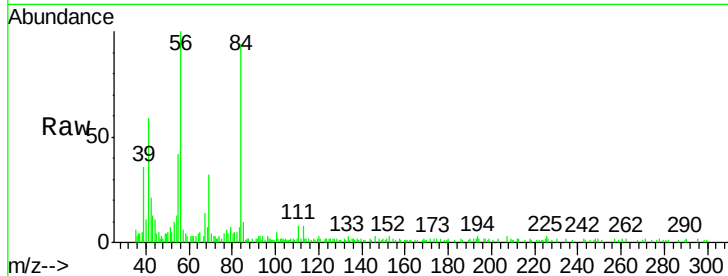
#31
Cyclohexane
Concen: 2.698 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	25.0	37.6
84	93.2	67.6	101.4

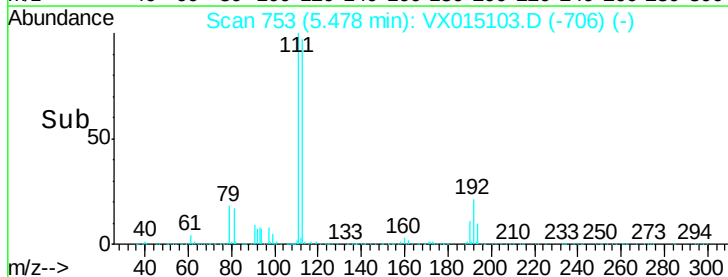
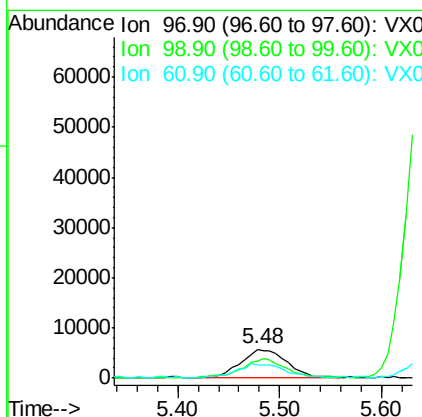
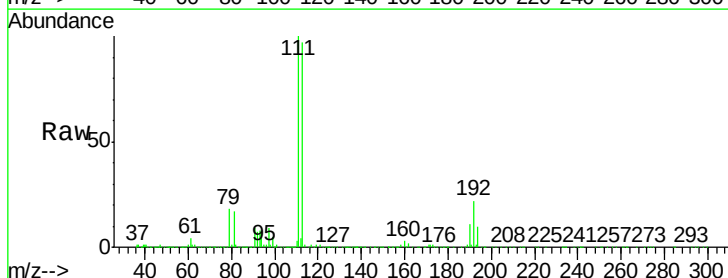
Manual Integrations
APPROVED

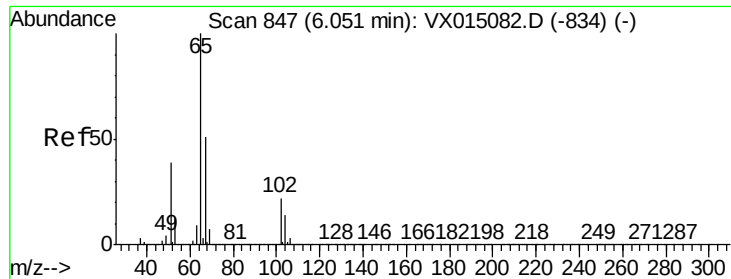
MMDadoda
3/6/2020 4:49:53 PM



#32
1,1,1-Trichloroethane
Concen: 2.775 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.8	79.2
61	54.4	36.6	54.8





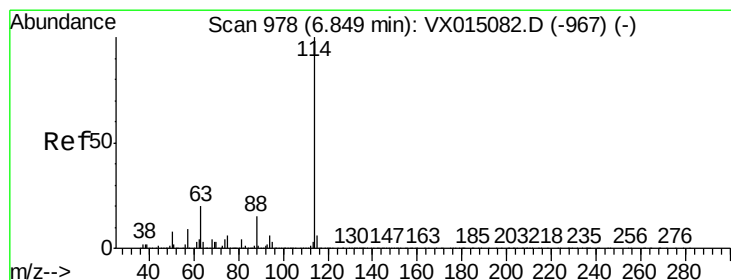
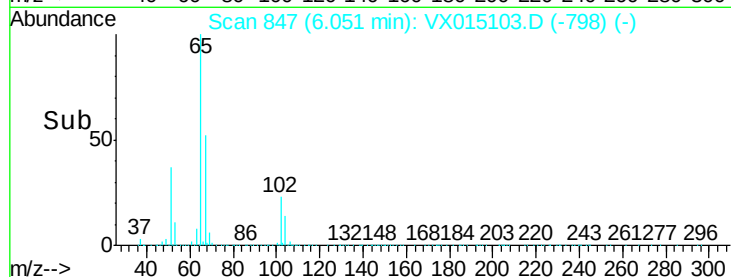
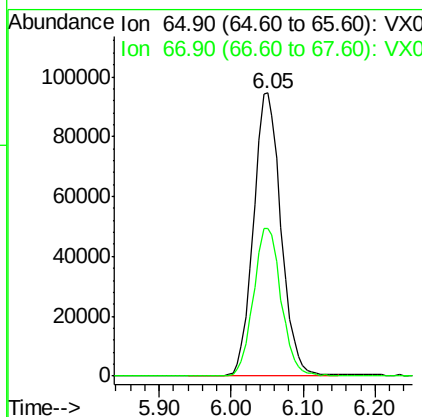
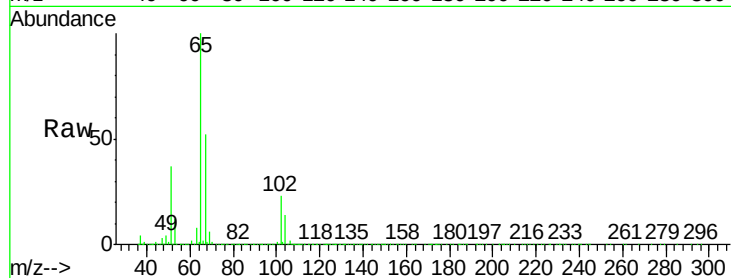
#33
 1,2-Dichloroethane-d4
 Concen: 51.230 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250482		
67	53.1	0.0	105.6	

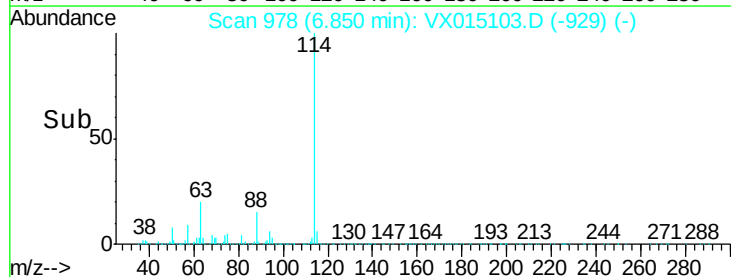
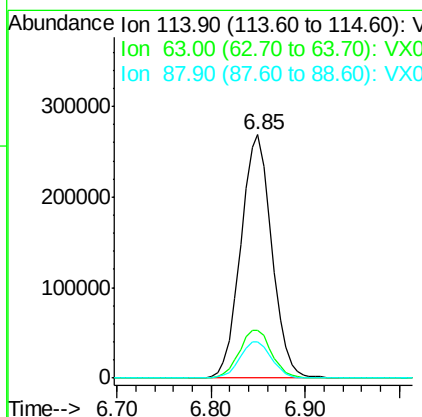
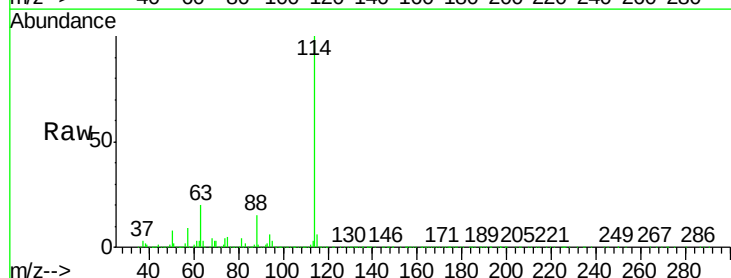
Manual Integrations
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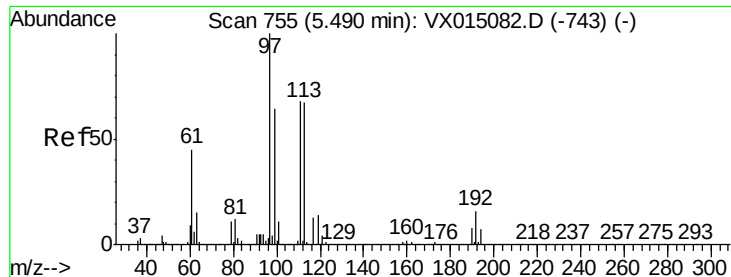
MMDadoda
 3/6/2020 4:49:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	618843		
63	19.6	0.0	40.0	
88	15.0	0.0	30.6	





#35

Dibromofluoromethane

Concen: 51.408 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

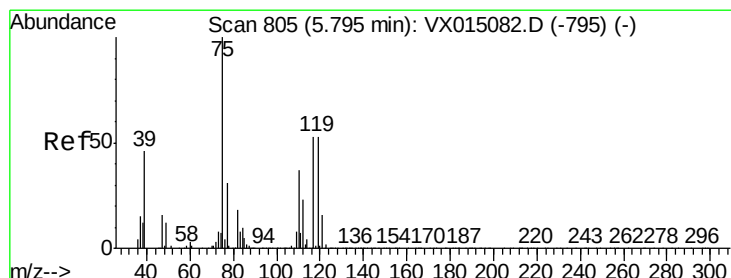
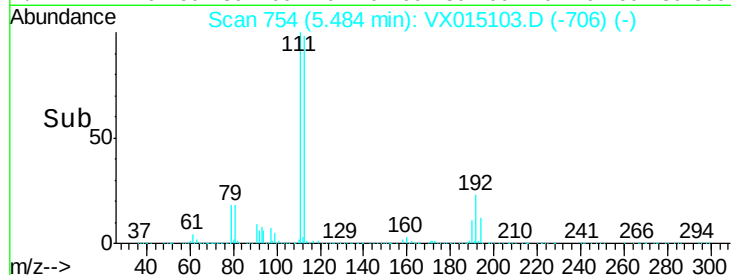
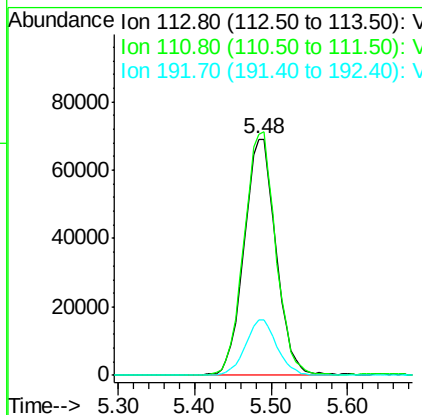
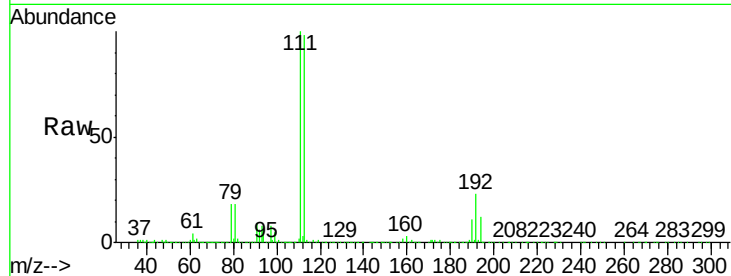
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	113	Resp:	200700
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.6	123.8
192	23.2	18.6	28.0

Manual Integrations
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3/6/2020 4:49:53 PM



#36

1,1-Dichloropropene

Concen: 2.692 ug/l

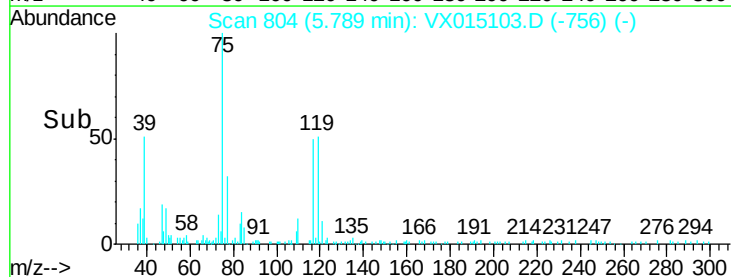
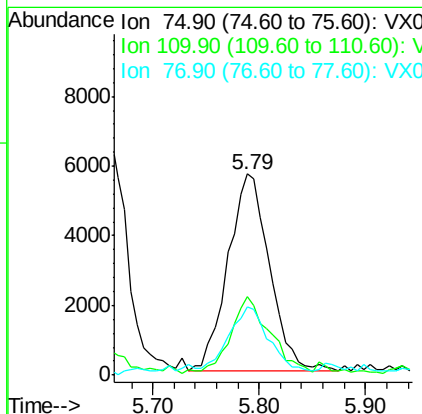
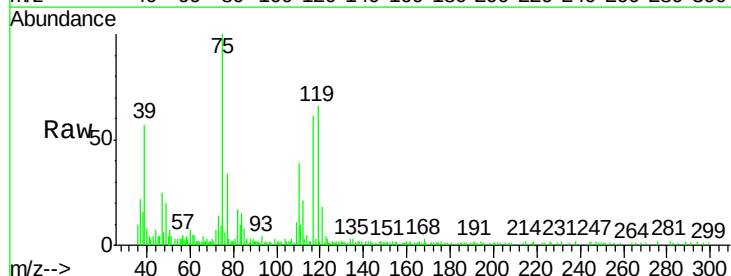
RT: 5.79 min Scan# 804

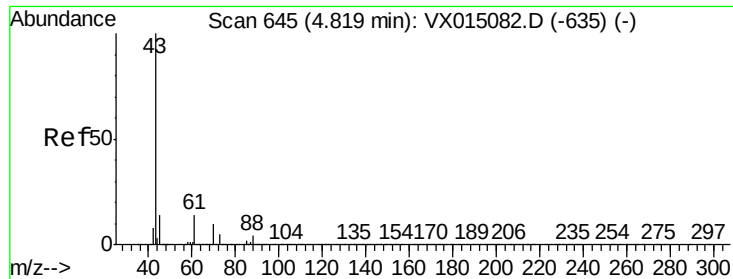
Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	75	Resp:	15398
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.9	53.8
77	33.6	24.8	37.2





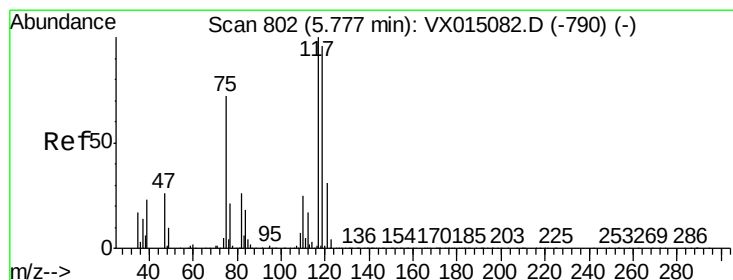
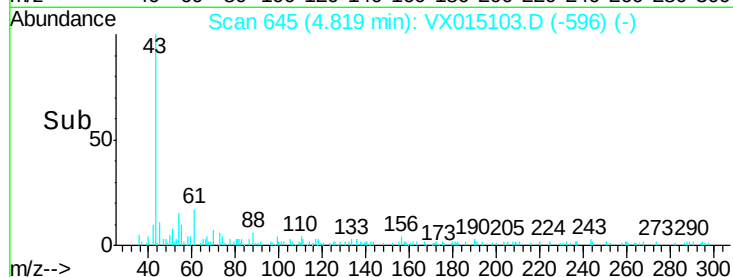
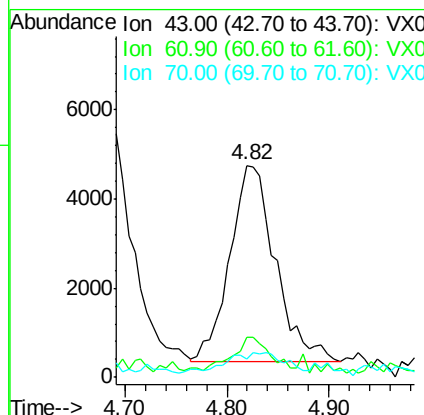
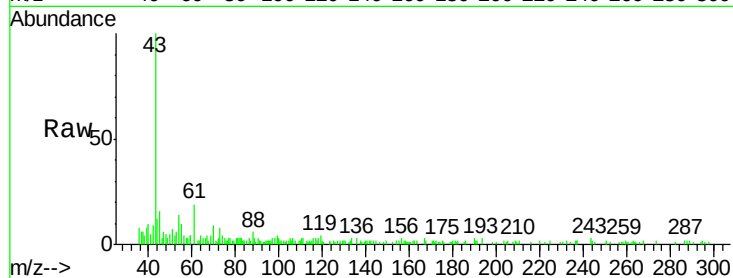
#37
Ethyl Acetate
Concen: 2.560 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion:	43	Resp:	13583
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.0	16.4
70	5.3	8.1	12.1#

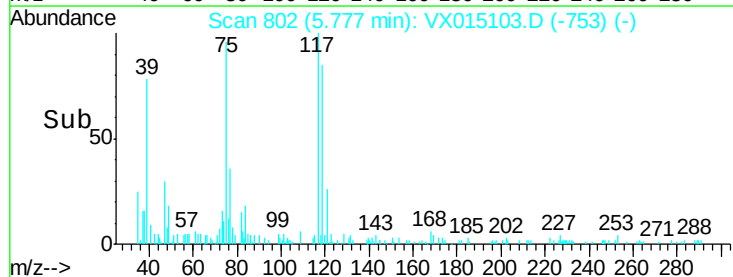
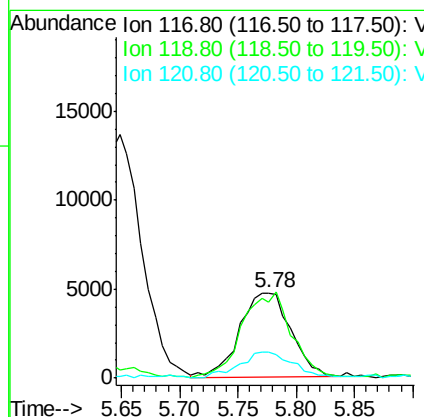
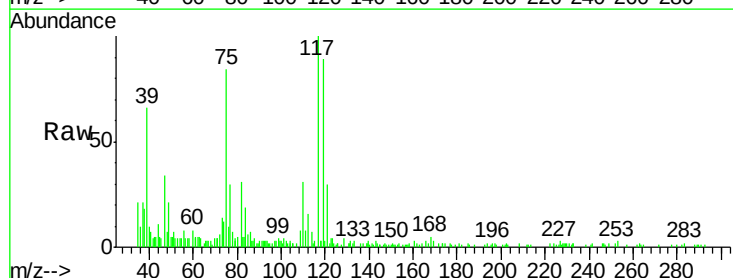
Manual Integrations
APPROVED

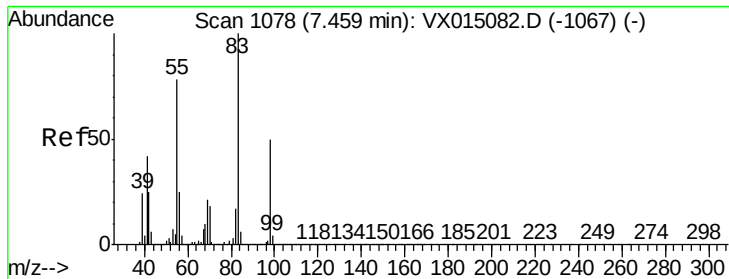
MMDadoda
3/6/2020 4:49:53 PM



#38
Carbon Tetrachloride
Concen: 2.655 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion:	117	Resp:	14335
Ion Ratio	Lower	Upper	
117	100		
119	90.6	76.9	115.3
121	29.8	24.6	37.0





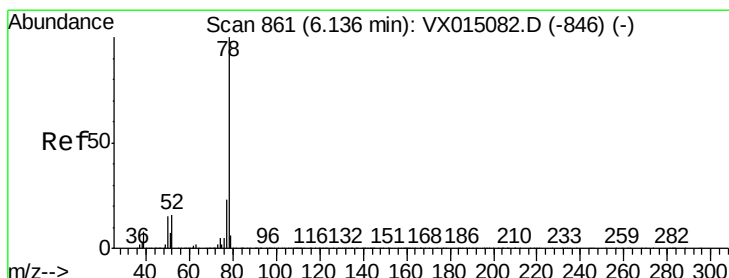
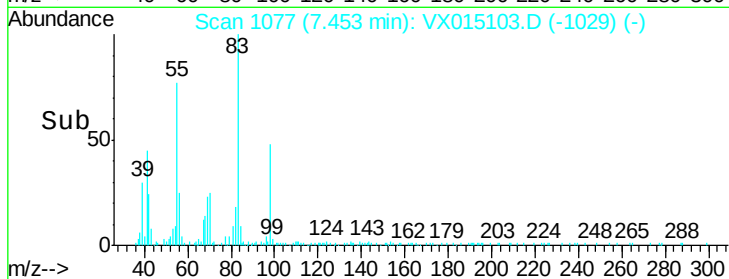
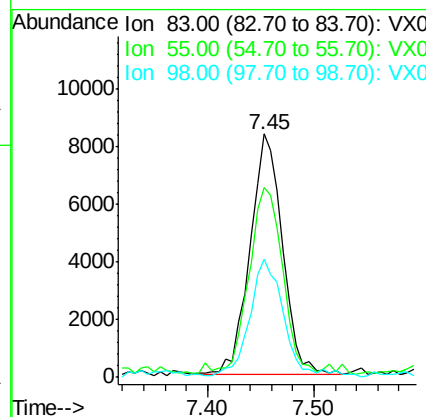
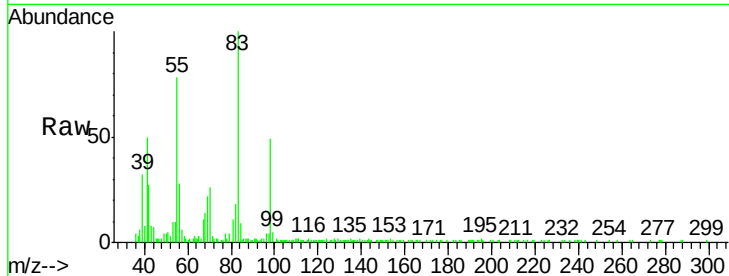
#39
Methylvlcyclohexane
Concen: 2.650 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	17700		
55	77.4	62.4	93.6	
98	48.3	39.7	59.5	

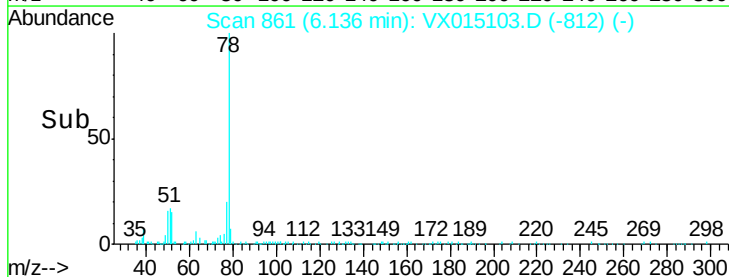
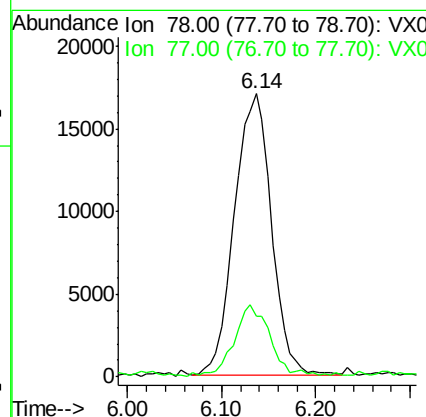
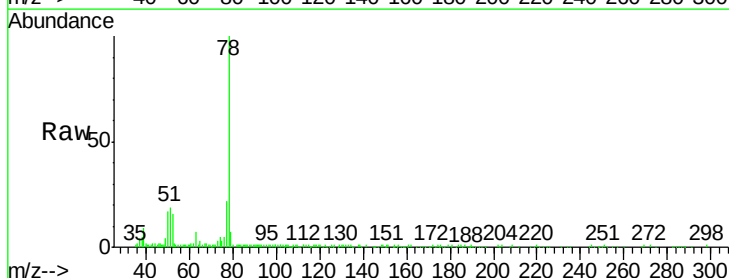
Manual Integrations
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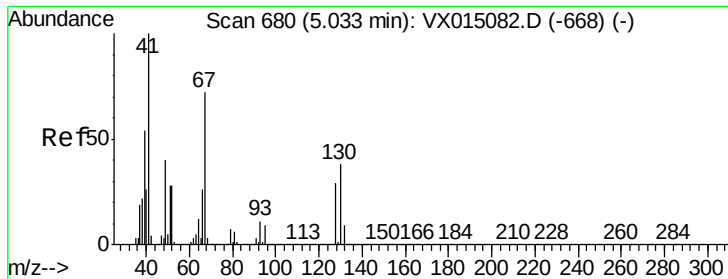
MMDadoda
3/6/2020 4:49:53 PM



#40
Benzene
Concen: 2.718 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	46141		
77	21.0	18.6	28.0	





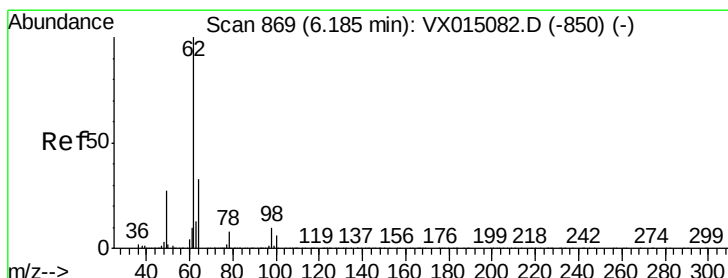
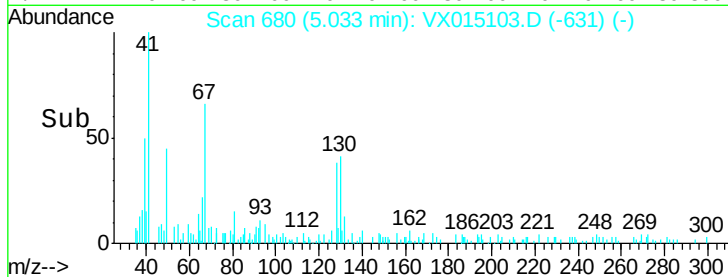
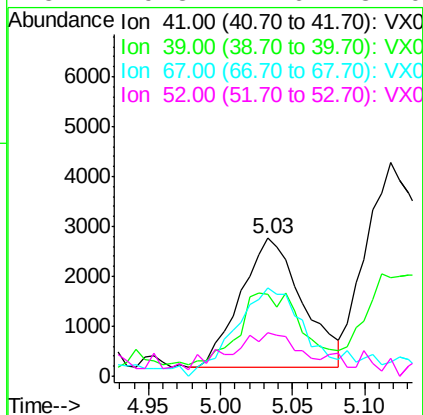
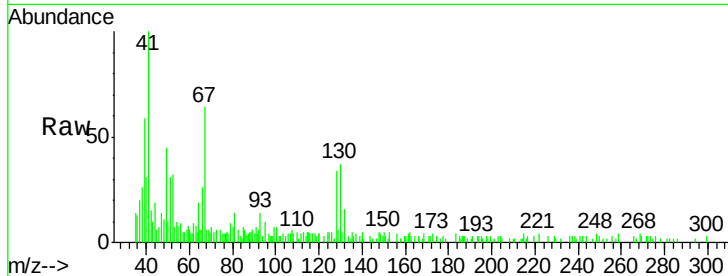
#41
Methacrylonitrile
Concen: 2.429 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	43.9	65.9
67	74.9	57.8	86.8
52	29.3	22.6	34.0

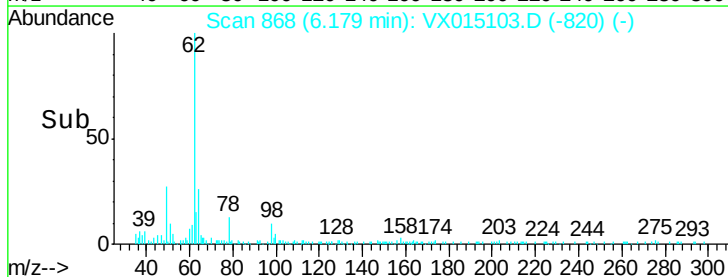
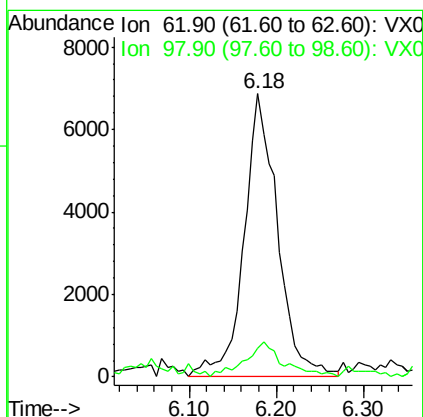
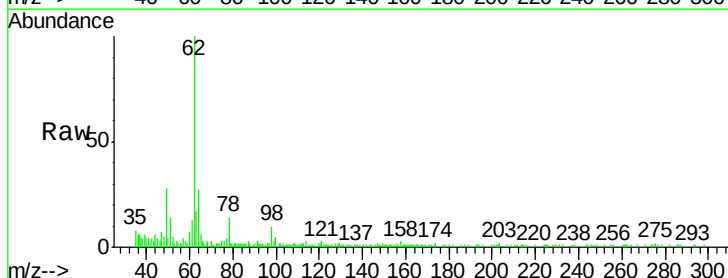
Manual Integrations
APPROVED

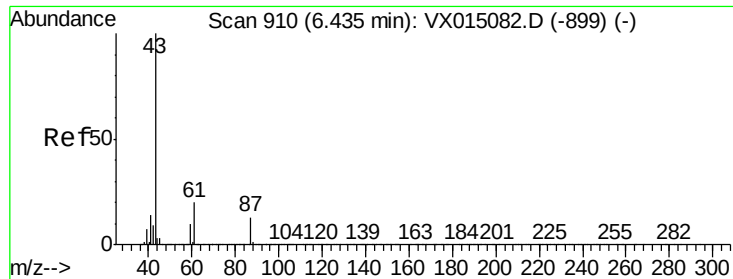
MMDadoda
3/6/2020 4:49:53 PM



#42
1,2-Dichloroethane
Concen: 3.146 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 2.525 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

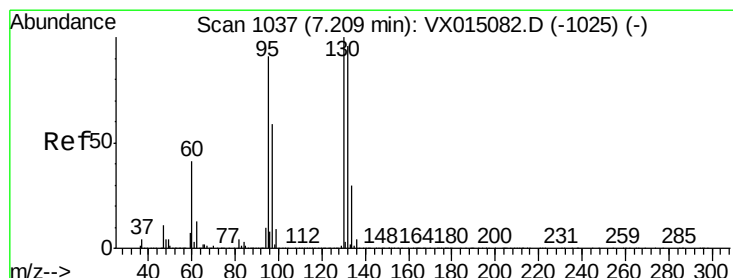
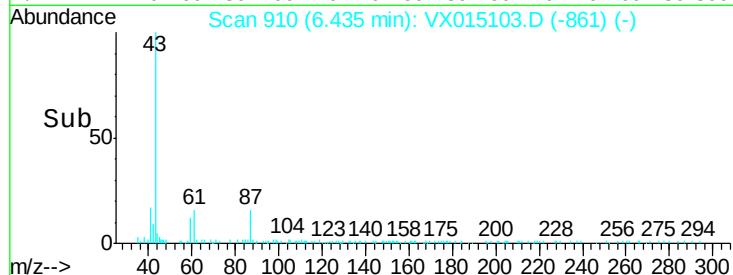
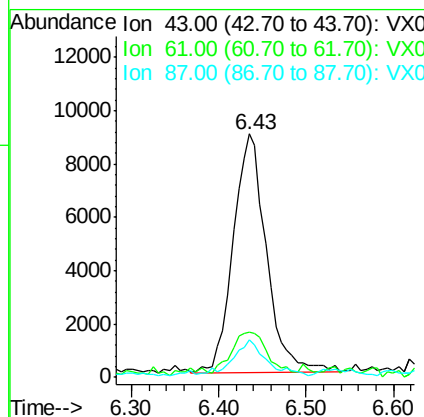
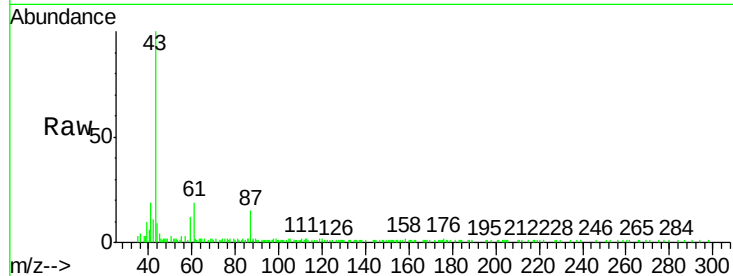
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	43	Resp:	23574
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	12.4	10.6	16.0

Manual Integrations
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MMDadoda
3/6/2020 4:49:53 PM



#44

Trichloroethene

Concen: 2.849 ug/l

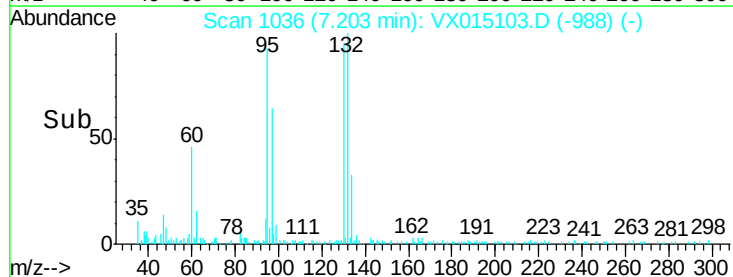
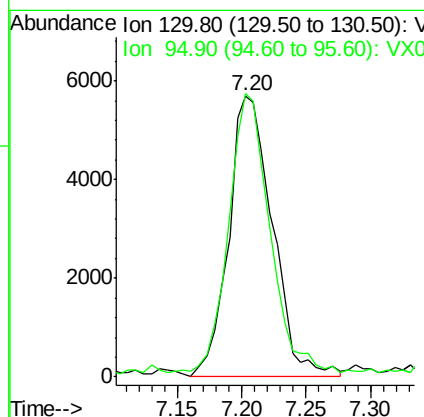
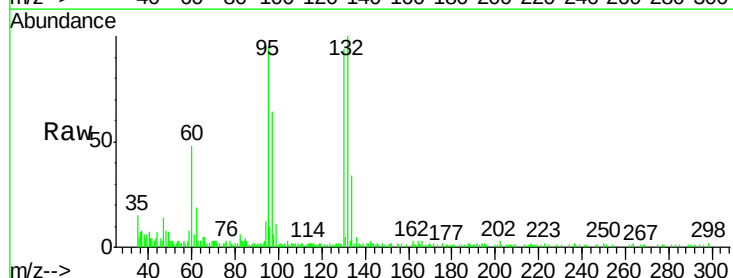
RT: 7.20 min Scan# 1036

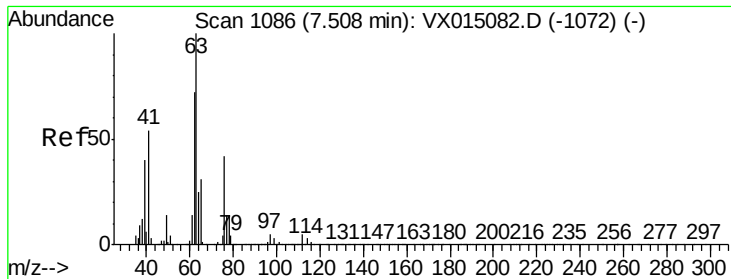
Delta R.T. -0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	130	Resp:	13467
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	181.2





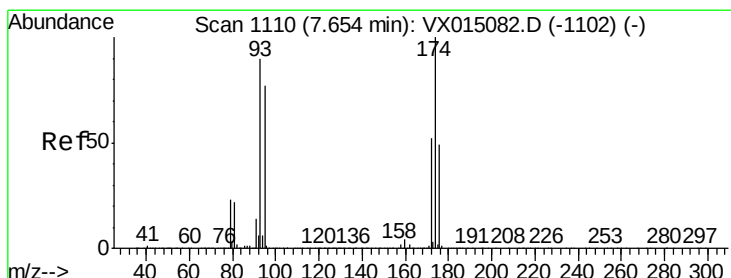
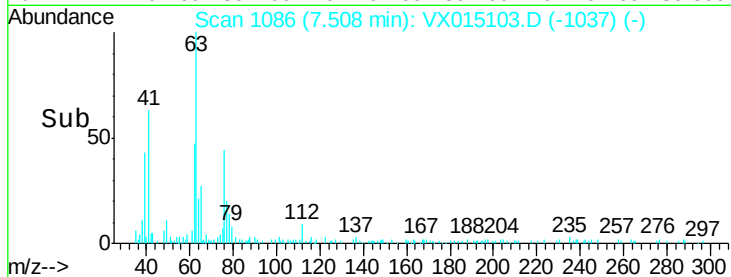
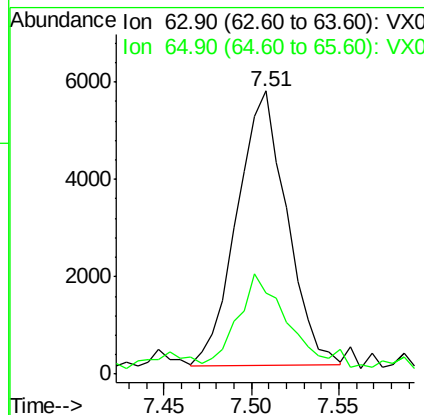
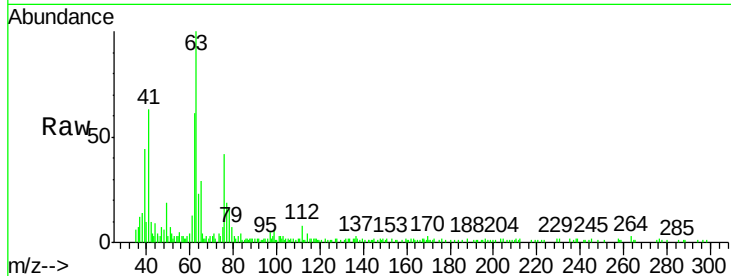
#45
 1,2-Dichloropropane
 Concen: 2.549 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	23.3	24.6	36.8#

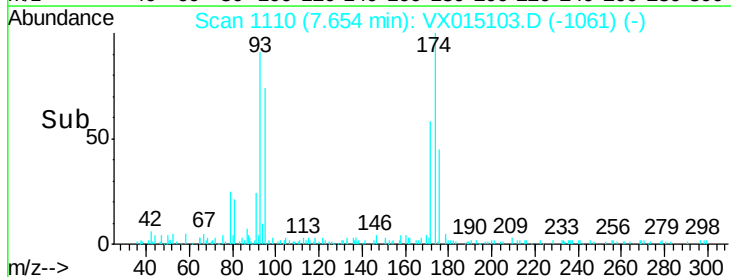
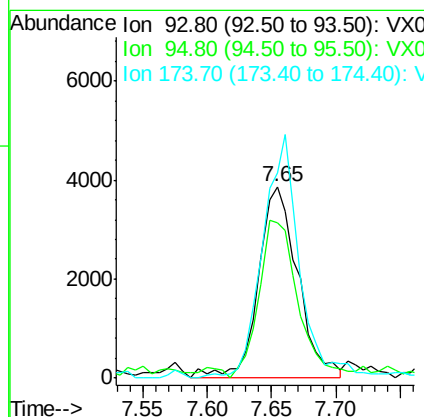
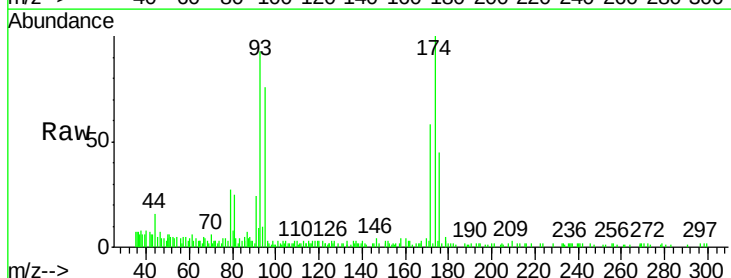
Manual Integrations
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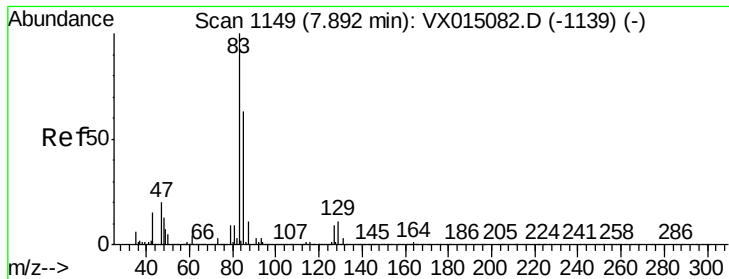
MMDadoda
 3/6/2020 4:49:53 PM



#46
 Dibromomethane
 Concen: 2.870 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.8	101.8
174	119.0	91.0	136.4





#47

Bromodichloromethane

Concen: 2.630 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

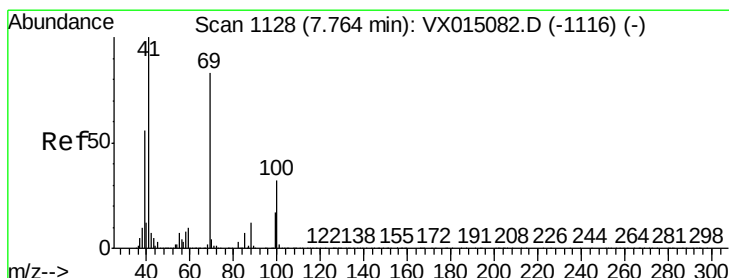
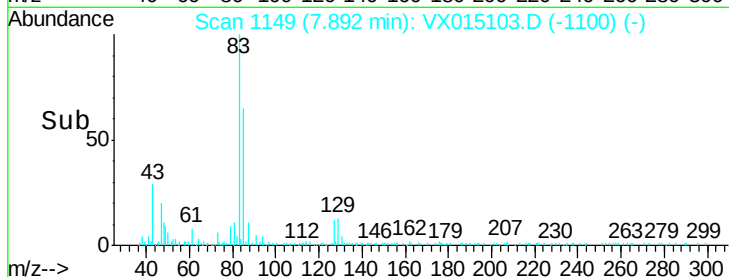
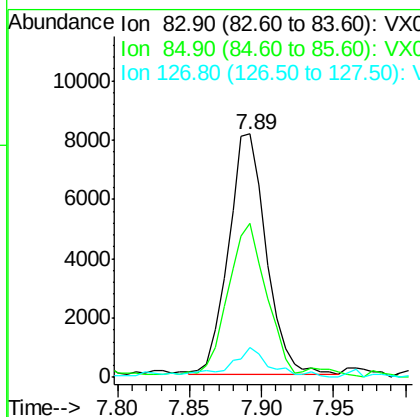
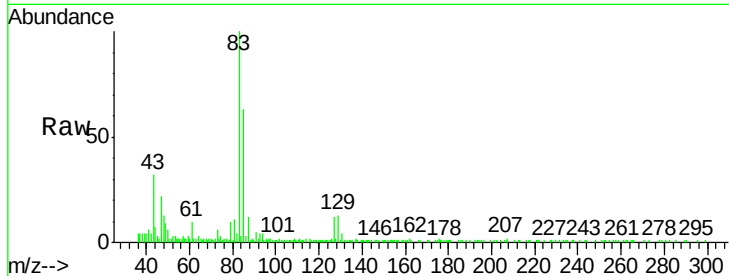
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	14886
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.6	75.8
127	12.2	7.1	10.7#

Manual Integrations
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MMDadoda
3/6/2020 4:49:53 PM



#48

Methyl methacrylate

Concen: 2.185 ug/l

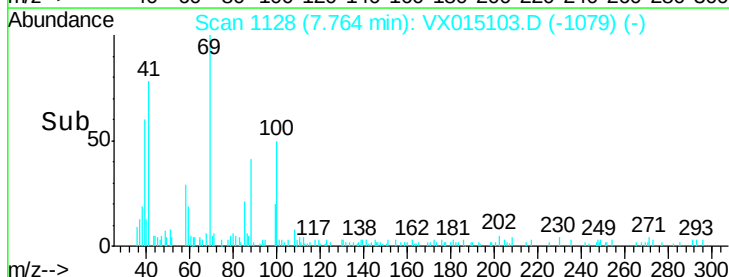
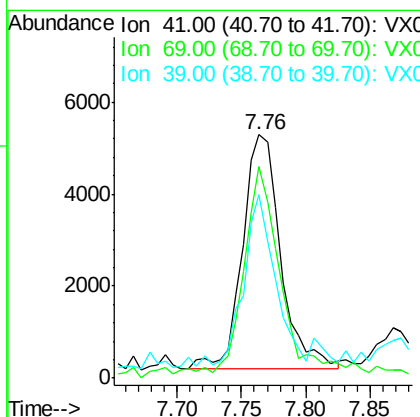
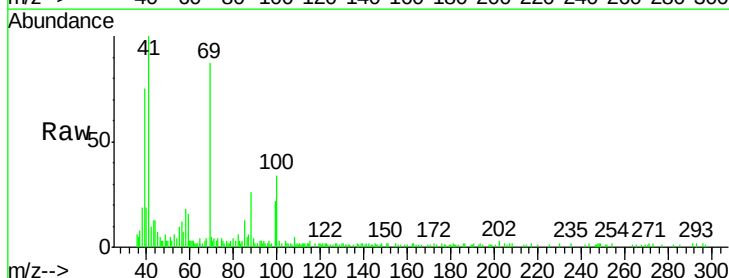
RT: 7.76 min Scan# 1128

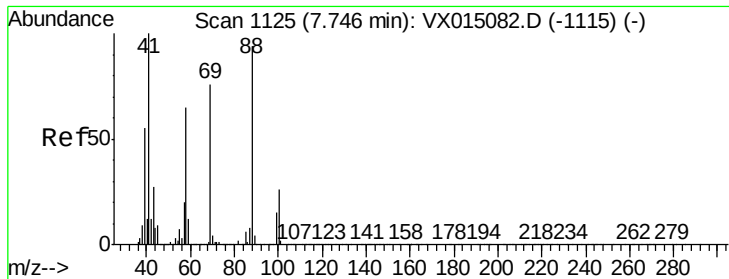
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	41	Resp:	10383
Ion Ratio	Lower	Upper	
41	100		
69	85.7	65.4	98.2
39	61.1	44.6	67.0





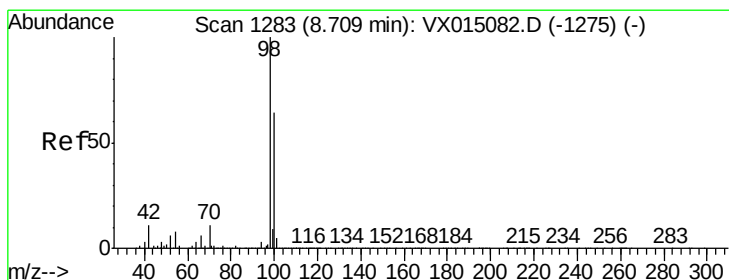
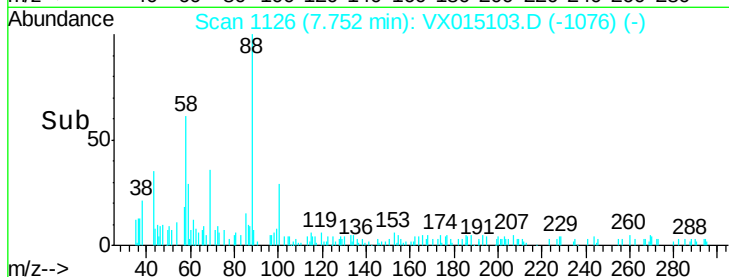
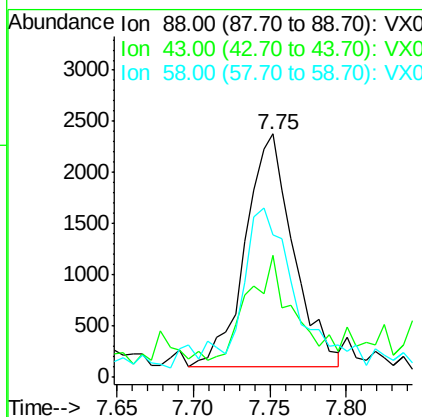
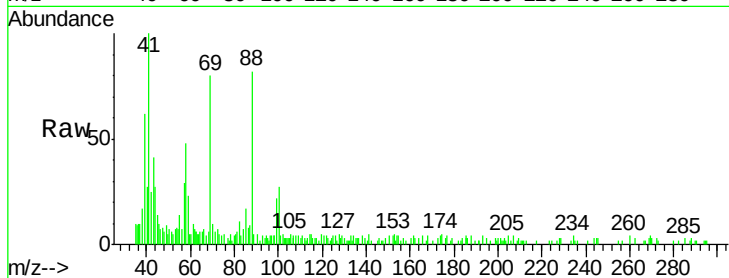
#49
1,4-Dioxane
Concen: 48.397 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	27.0	40.4
58	73.2	55.6	83.4

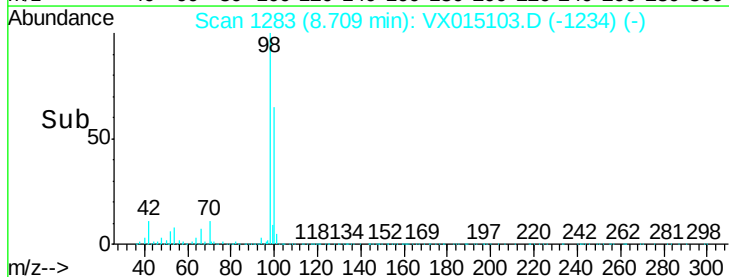
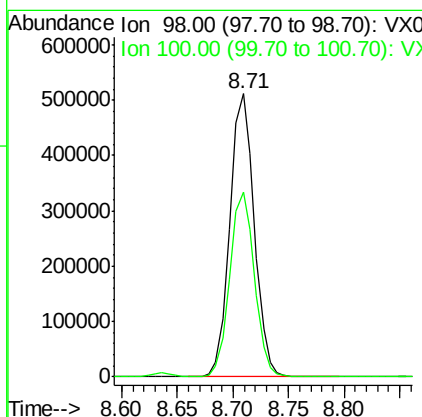
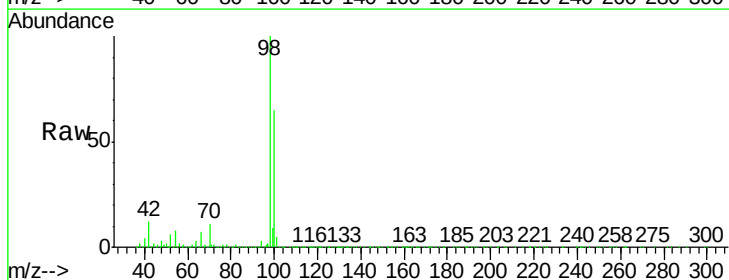
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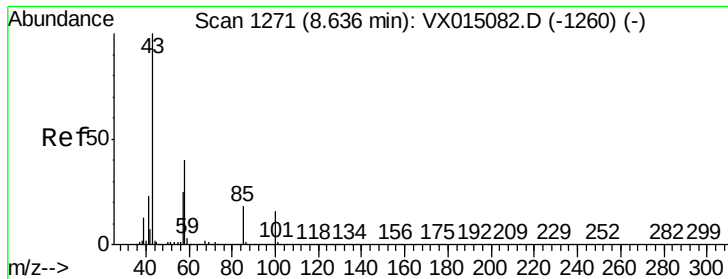
MMDadoda
3/6/2020 4:49:53 PM



#50
Toluene-d8
Concen: 52.288 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





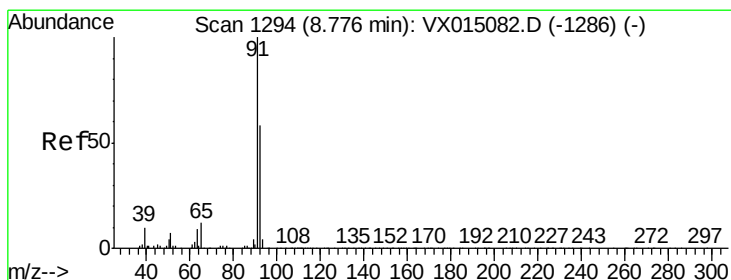
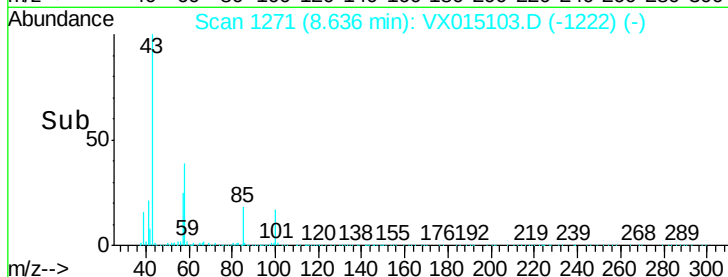
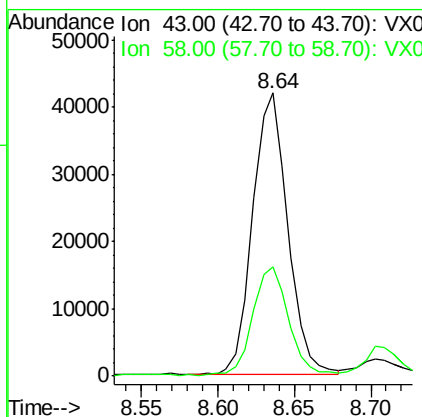
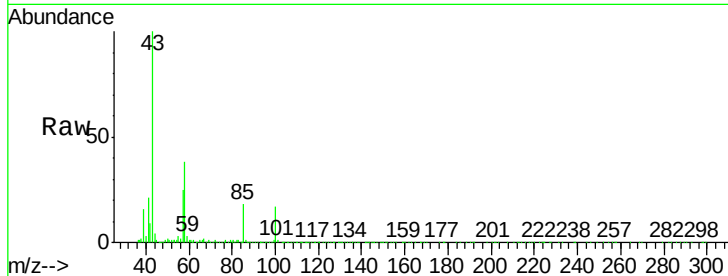
#51
4-Methyl-2-Pentanone
Concen: 12.137 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.6	47.4

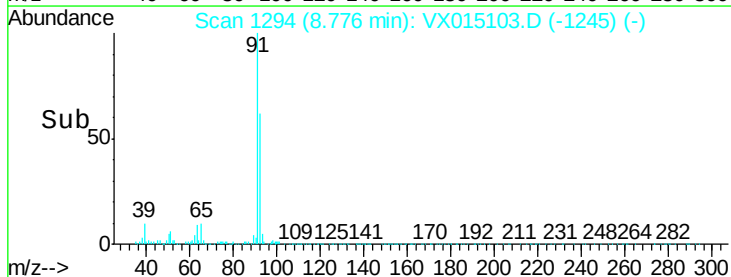
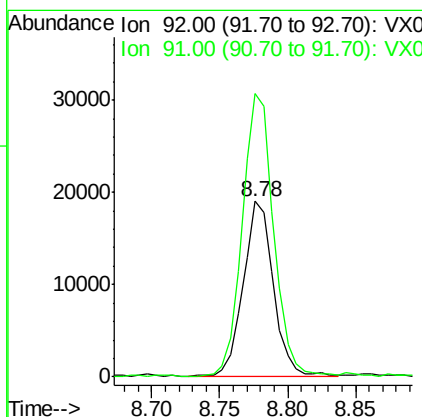
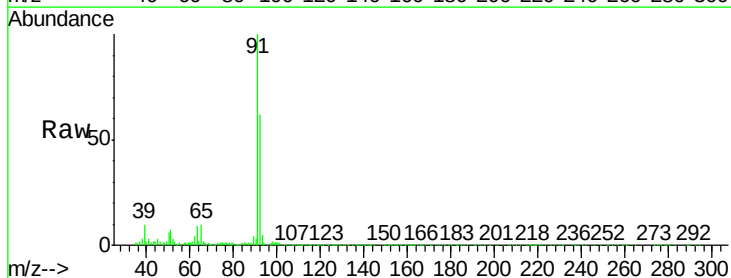
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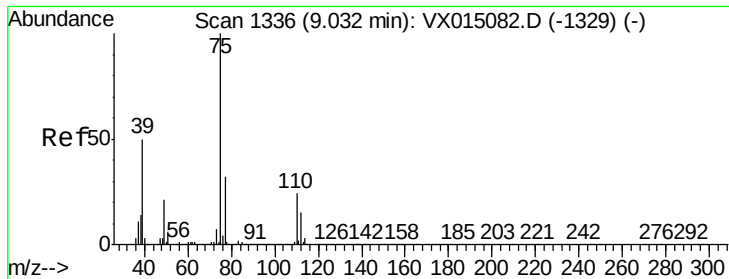
MMDadoda
3/6/2020 4:49:53 PM



#52
Toluene
Concen: 2.815 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.9	205.3





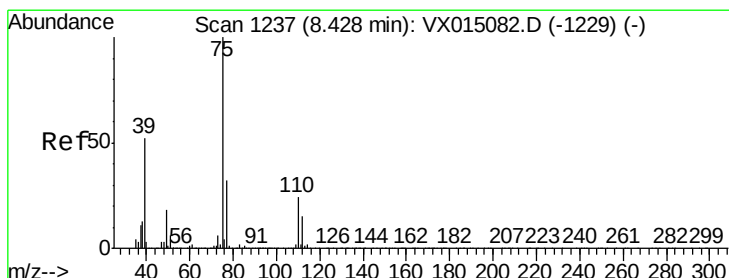
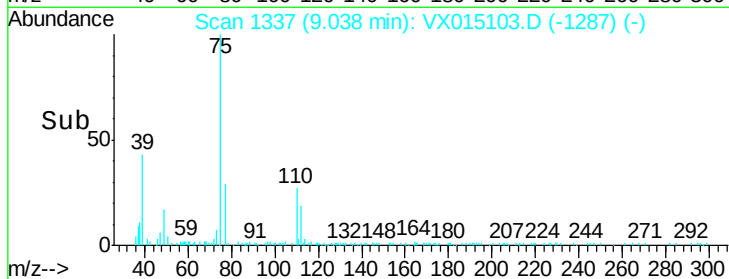
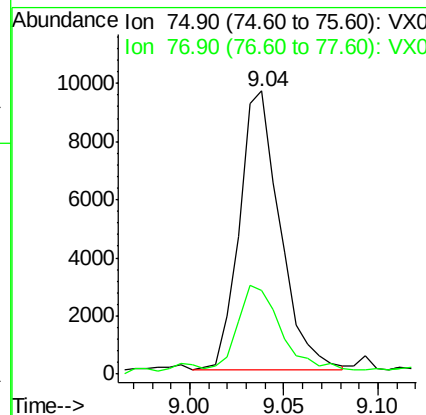
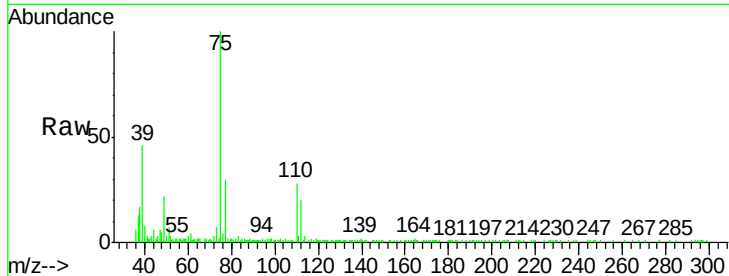
#53
t-1,3-Dichloropropene
Concen: 2.391 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion: 75 Resp: 14409
Ion Ratio Lower Upper
75 100
77 27.9 25.4 38.0

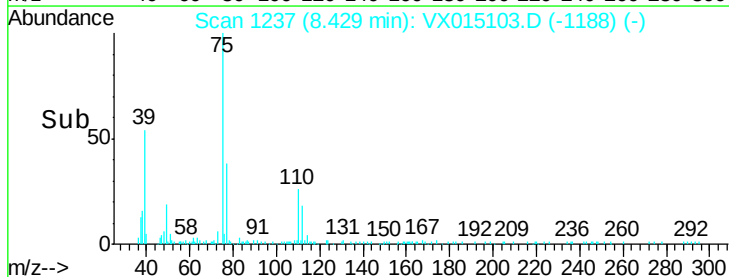
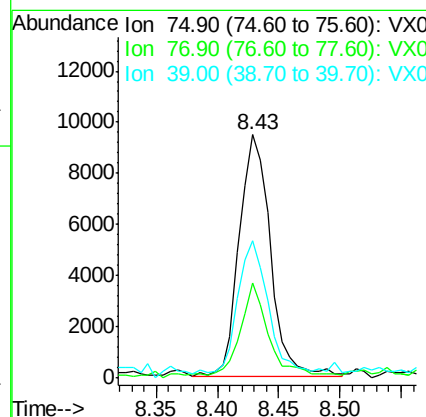
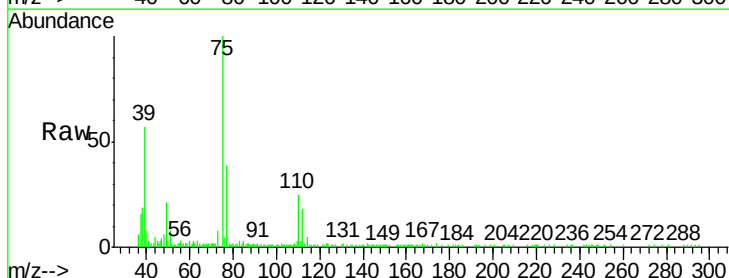
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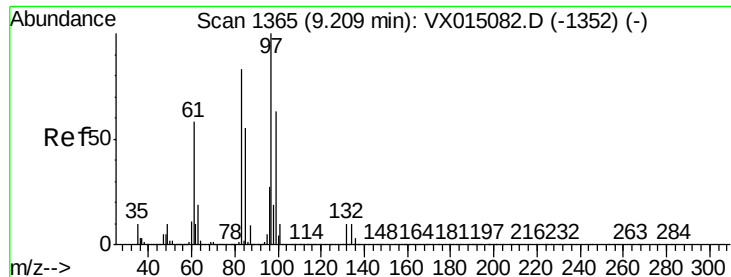
MMDadoda
3/6/2020 4:49:53 PM



#54
cis-1,3-Dichloropropene
Concen: 2.444 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion: 75 Resp: 16650
Ion Ratio Lower Upper
75 100
77 37.8 25.8 38.6
39 55.1 41.3 61.9





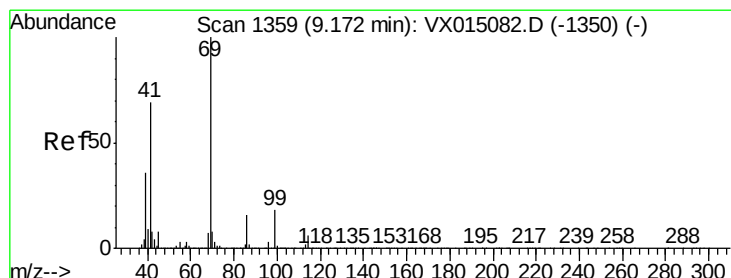
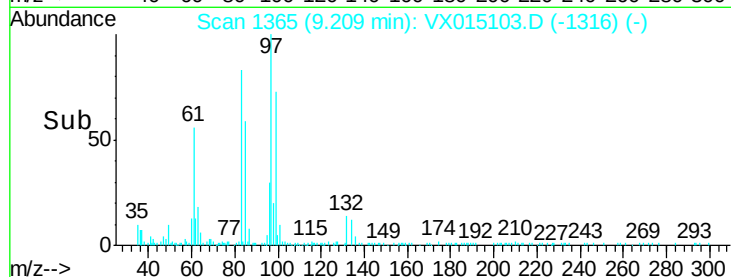
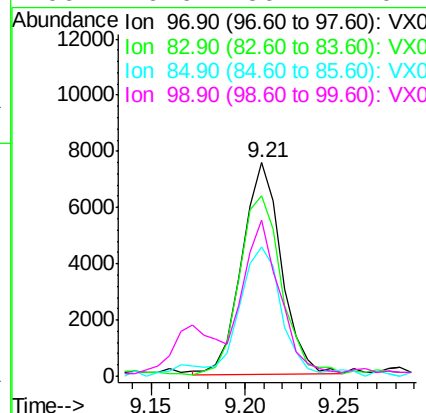
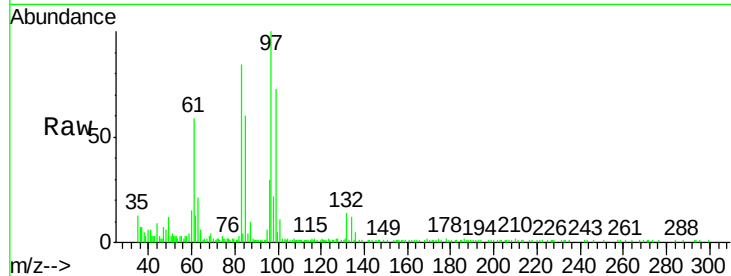
#55
 1,1,2-Trichloroethane
 Concen: 2.560 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		10936		
83	84.6	66.4	99.6		
85	58.0	43.5	65.3		
99	70.6	50.7	76.1		

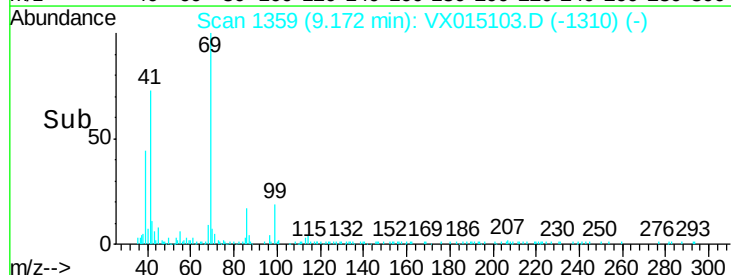
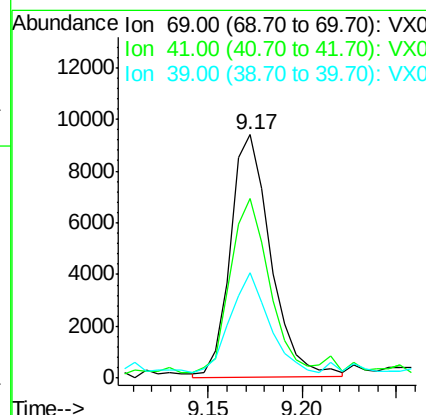
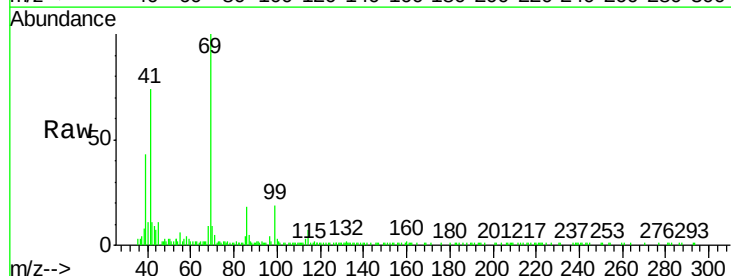
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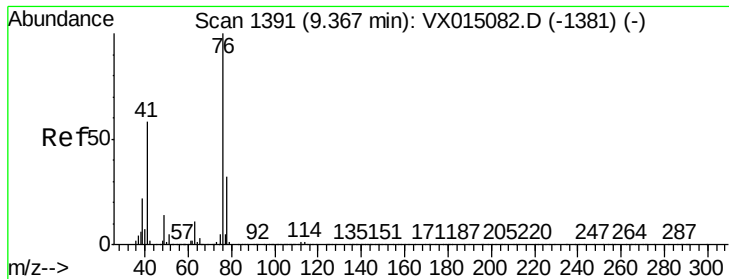
MMDadoda
 3/6/2020 4:49:53 PM



#56
 Ethyl methacrylate
 Concen: 2.299 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		14006		
41	69.6	55.8	83.8		
39	38.8	29.4	44.2		





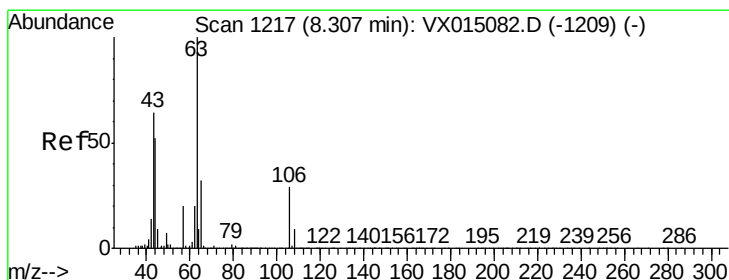
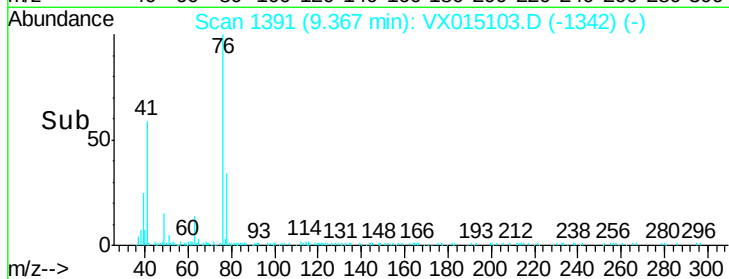
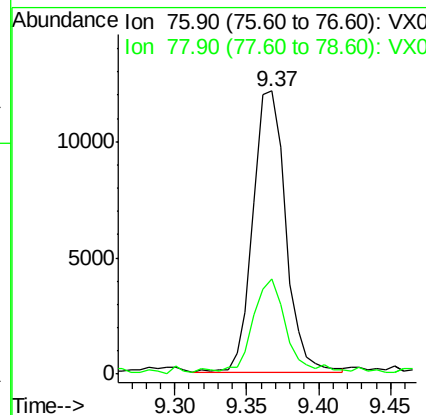
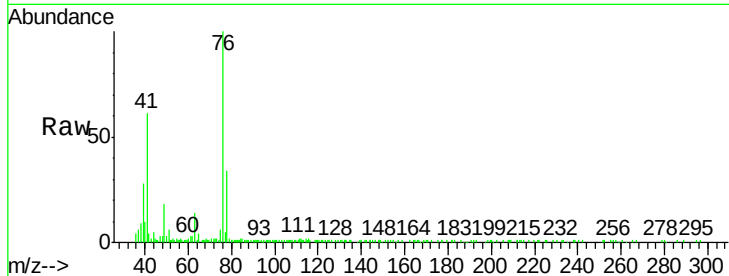
#57
 1,3-Dichloropropane
 Concen: 2.633 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.6	38.4

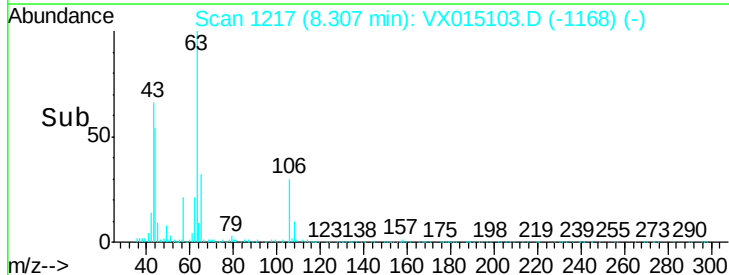
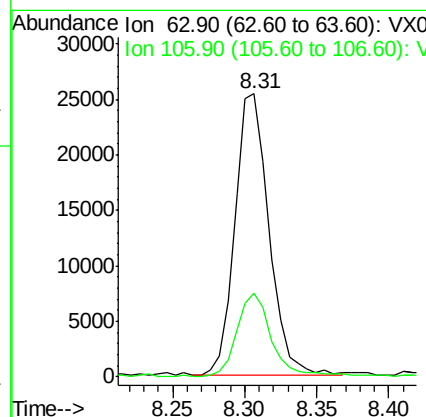
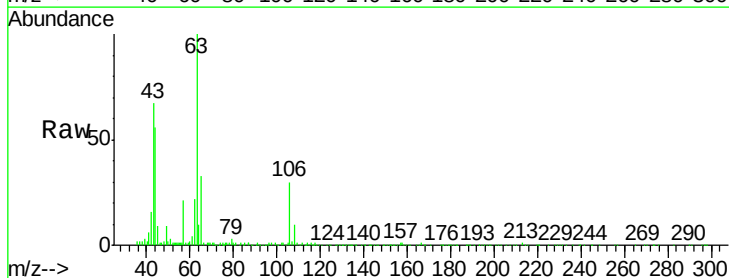
Manual Integrations
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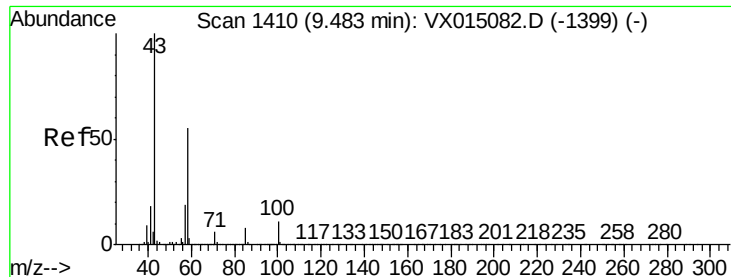
MMDadoda
 3/6/2020 4:49:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.670 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.8	34.2





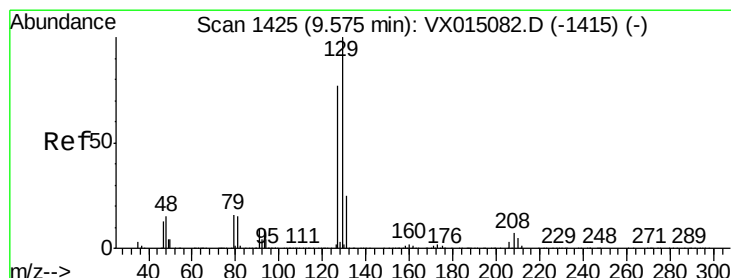
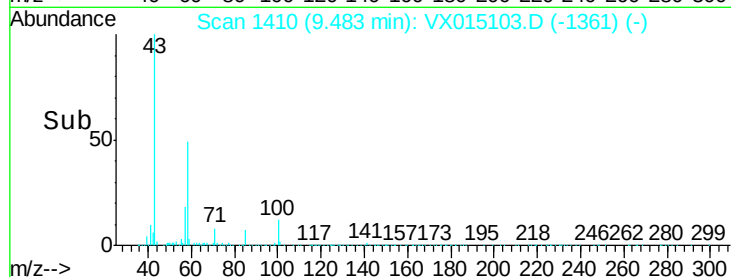
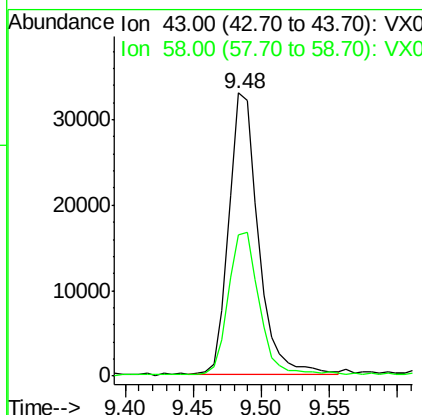
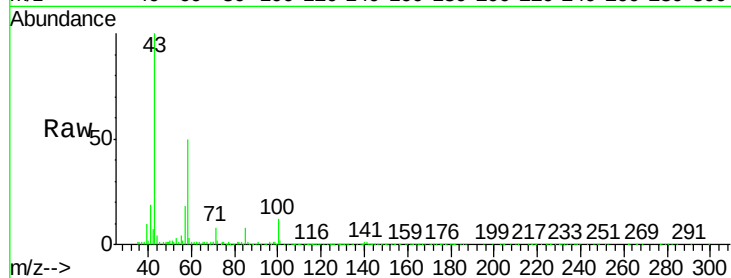
#59
2-Hexanone
Concen: 12.151 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion: 43 Resp: 49712
Ion Ratio Lower Upper
43 100
58 53.1 27.3 81.8

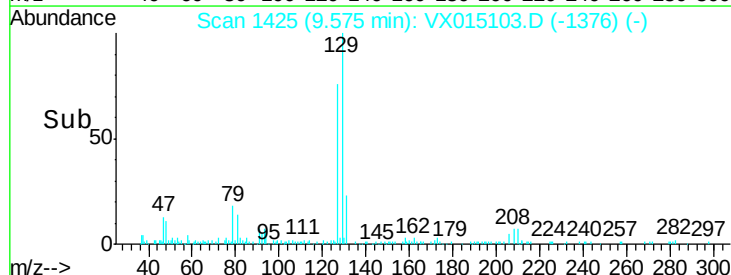
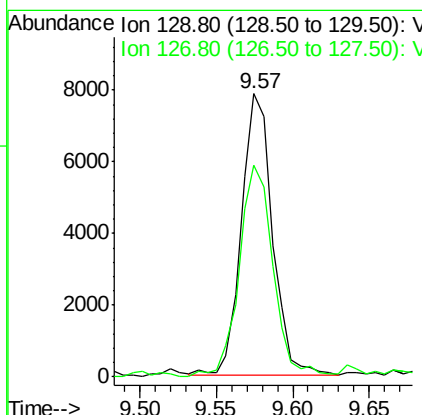
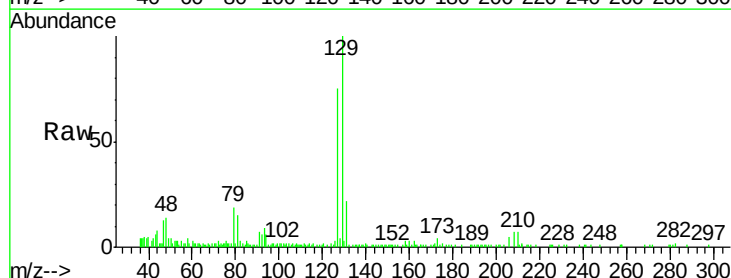
Manual Integrations
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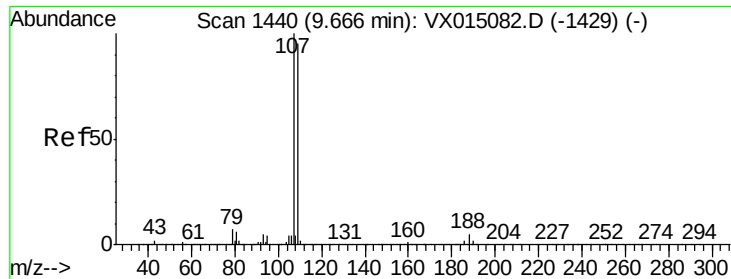
MMDadoda
3/6/2020 4:49:53 PM



#60
Dibromochloromethane
Concen: 2.438 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion: 129 Resp: 10941
Ion Ratio Lower Upper
129 100
127 83.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 2.668 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 107 Resp: 11970

Ion Ratio Lower Upper

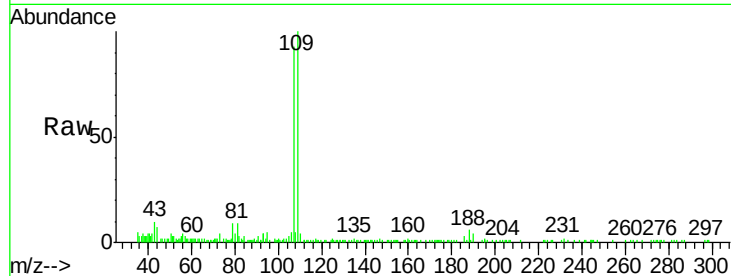
107 100

109 97.7 75.6 113.4

Manual Integrations
APPROVED

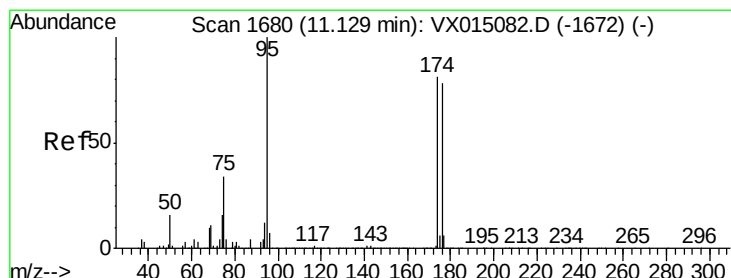
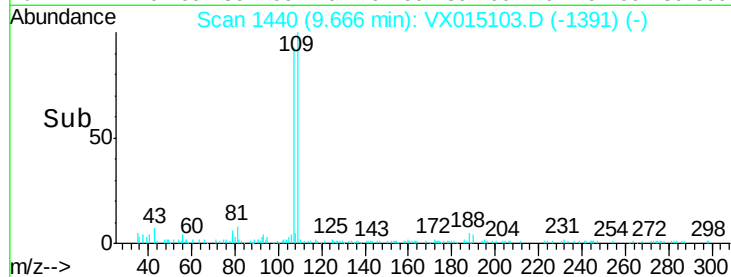
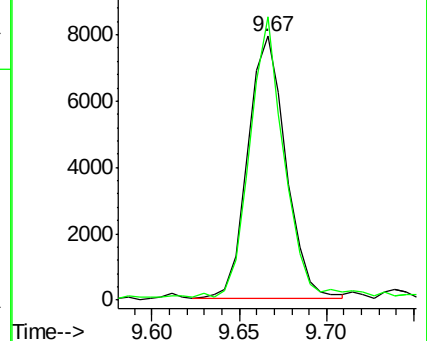
MMDadoda

3/6/2020 4:49:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.713 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

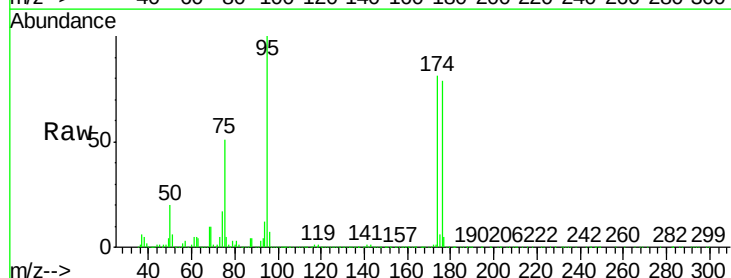
Tgt Ion: 95 Resp: 268630

Ion Ratio Lower Upper

95 100

174 89.7 0.0 177.6

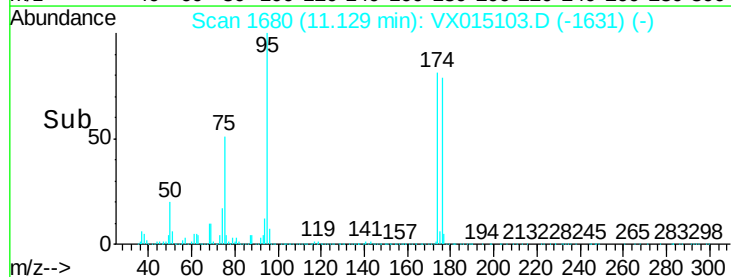
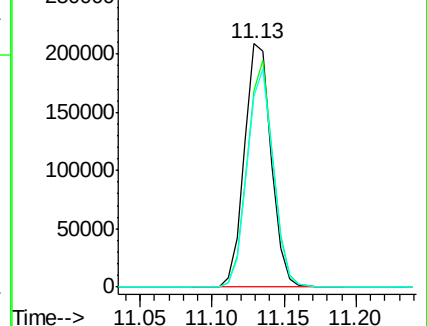
176 86.8 0.0 170.2

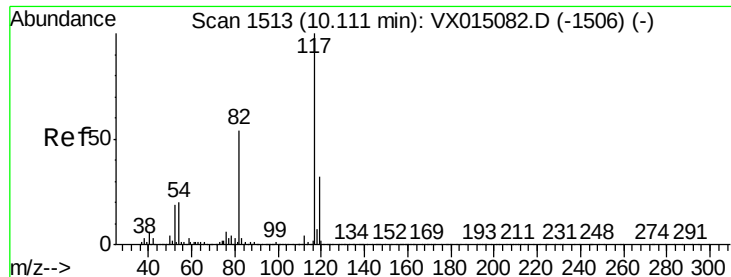


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





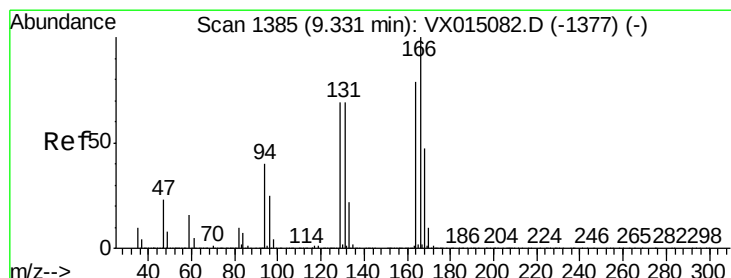
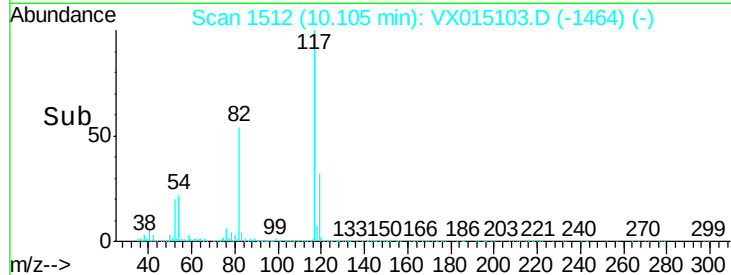
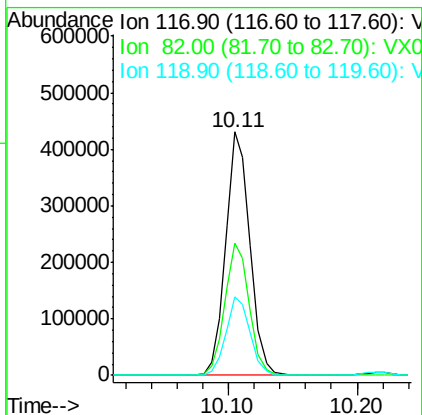
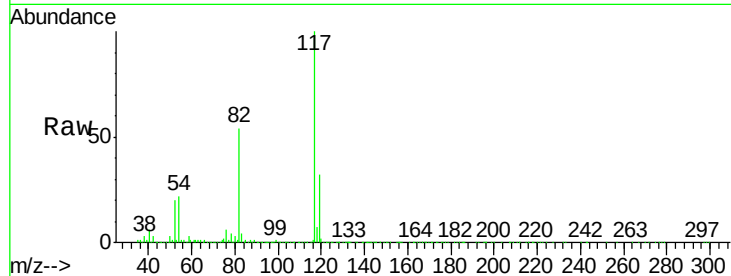
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	567795		
82	54.4	43.3	64.9	
119	32.2	25.8	38.8	

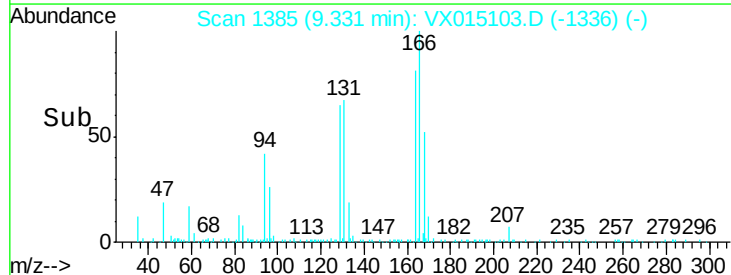
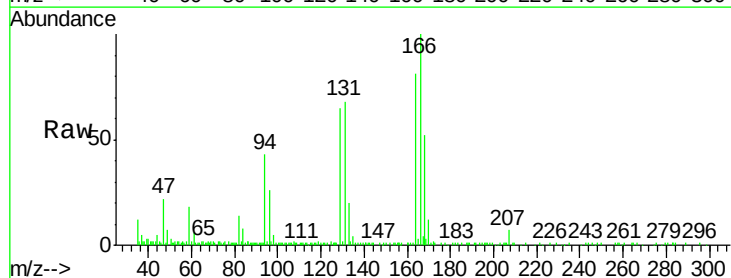
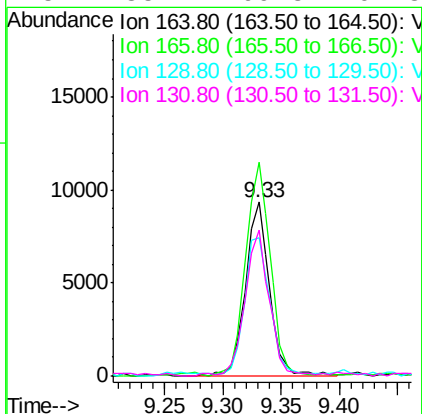
Manual Integrations
APPROVED

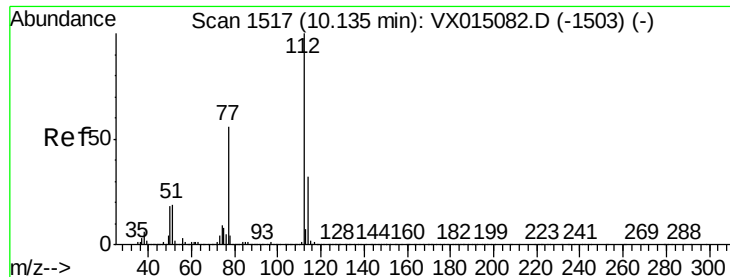
MMDadoda
3/6/2020 4:49:53 PM



#64
Tetrachloroethene
Concen: 2.867 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13460		
166	121.9	101.1	151.7	
129	78.2	69.4	104.0	
131	83.7	69.8	104.8	





#65

Chlorobenzene

Concen: 2.790 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:112 Resp: 31800

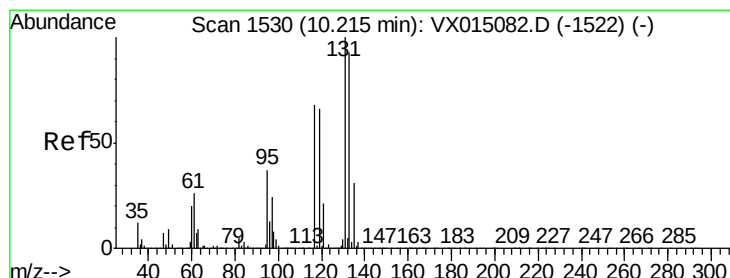
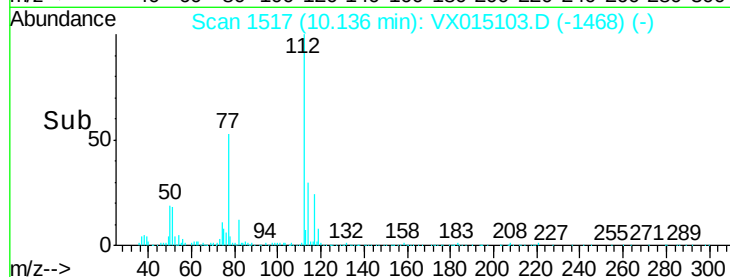
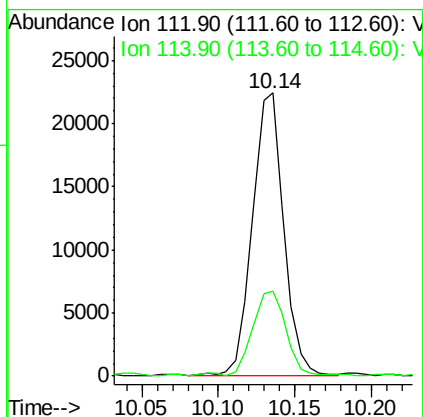
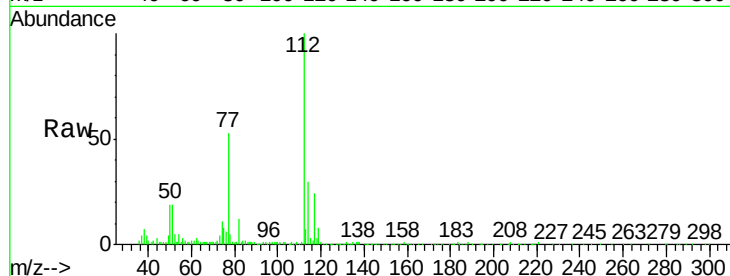
Ion Ratio Lower Upper

112 100

114 29.4 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 2.372 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

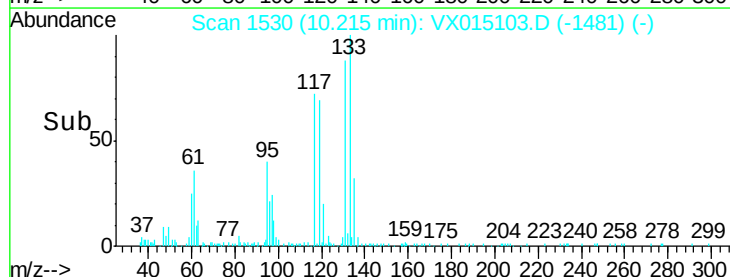
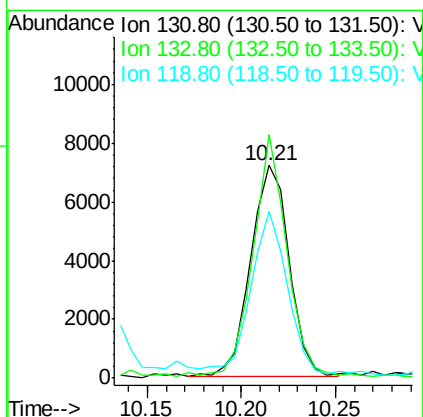
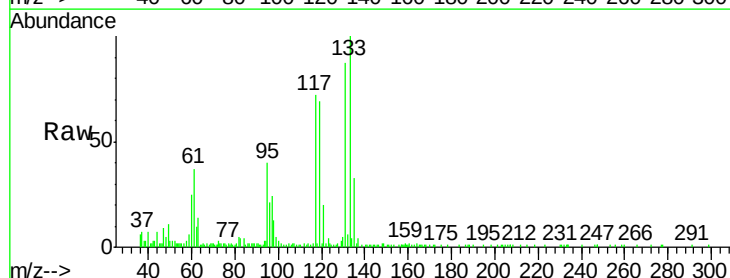
Tgt Ion:131 Resp: 10195

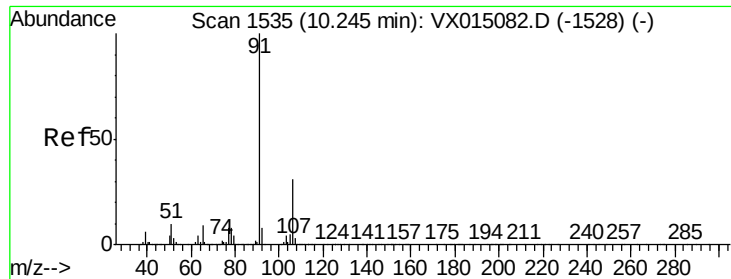
Ion Ratio Lower Upper

131 100

133 100.5 47.5 142.5

119 72.5 33.4 100.1





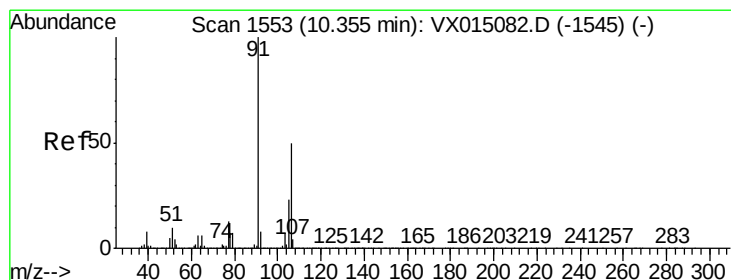
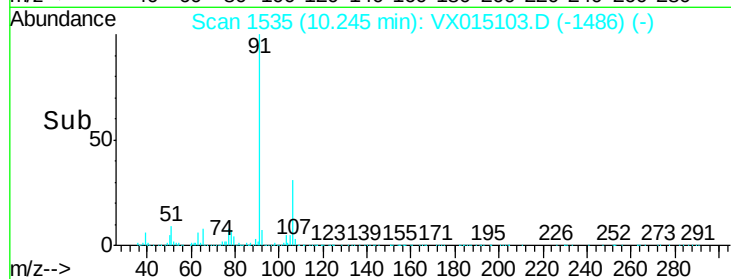
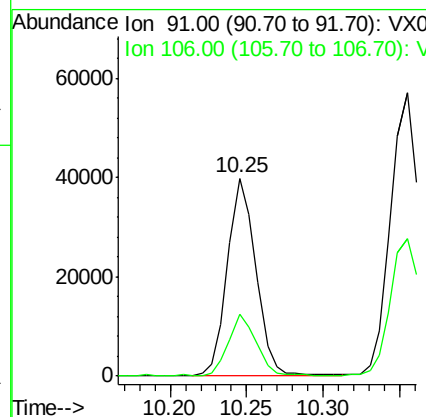
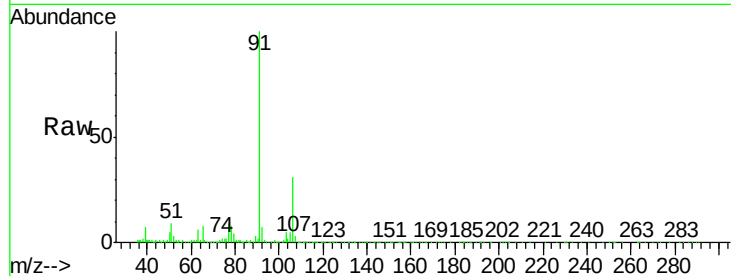
#67
Ethyl Benzene
Concen: 2.671 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion: 91 Resp: 51695
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

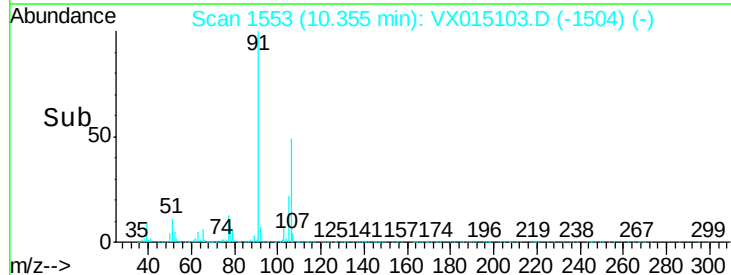
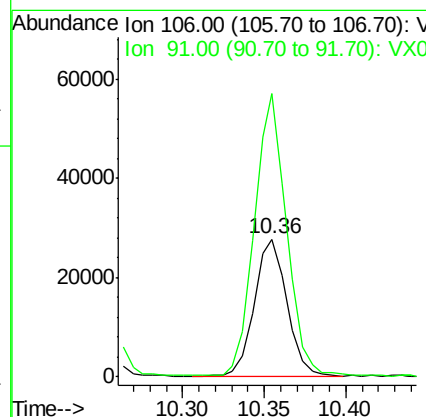
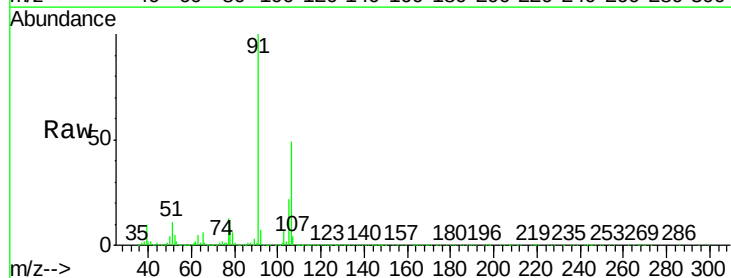
Manual Integrations
APPROVED

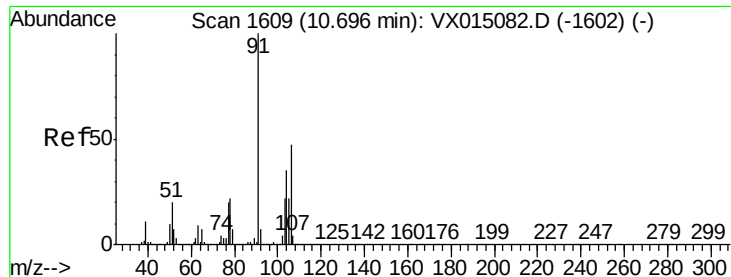
MMDadoda
3/6/2020 4:49:53 PM



#68
m/p-Xylenes
Concen: 5.237 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion: 106 Resp: 38566
Ion Ratio Lower Upper
106 100
91 201.5 159.4 239.2





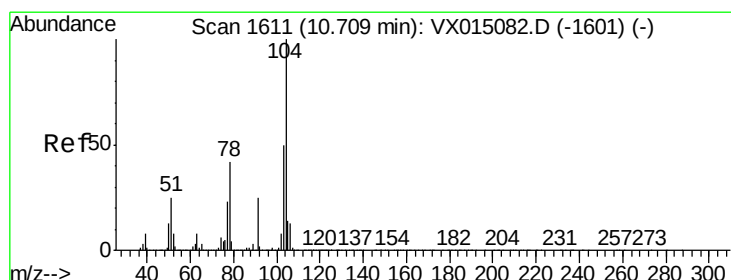
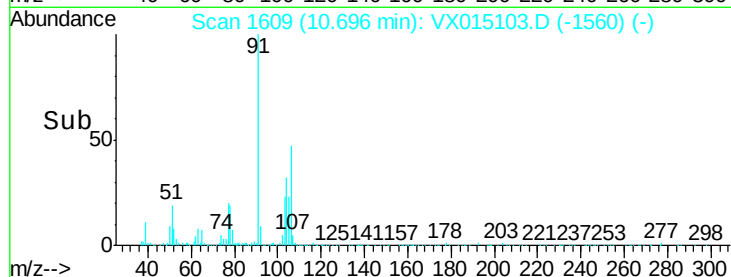
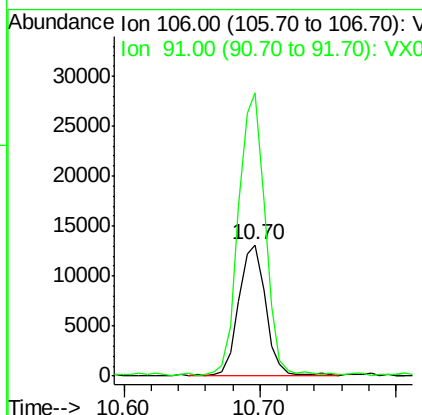
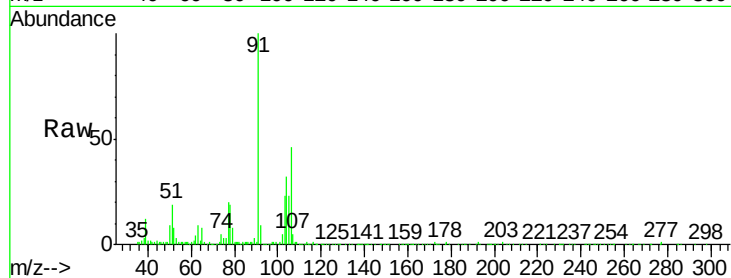
#69
o-Xylene
Concen: 2.568 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Resp	Lower	Upper
106	100	18105		
91	212.6	105.4	316.1	

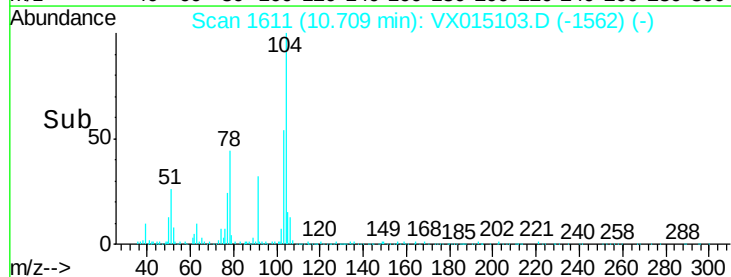
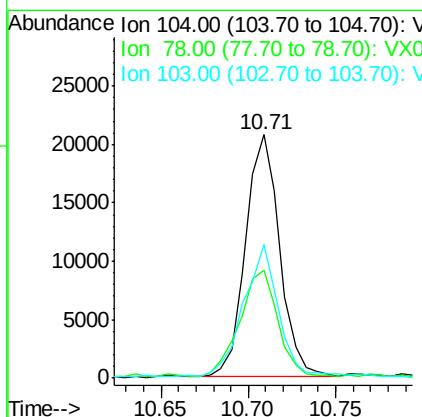
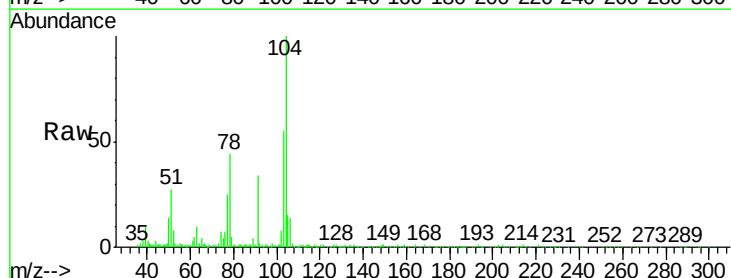
Manual Integrations
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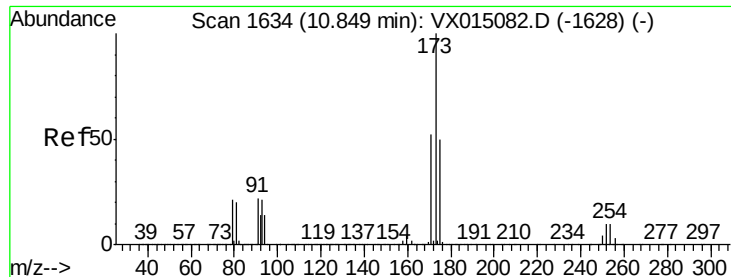
MMDadoda
3/6/2020 4:49:53 PM



#70
Styrene
Concen: 2.330 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	28169		
78	49.3	39.0	58.4	
103	57.4	43.7	65.5	





#71

Bromoform

Concen: 2.264 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

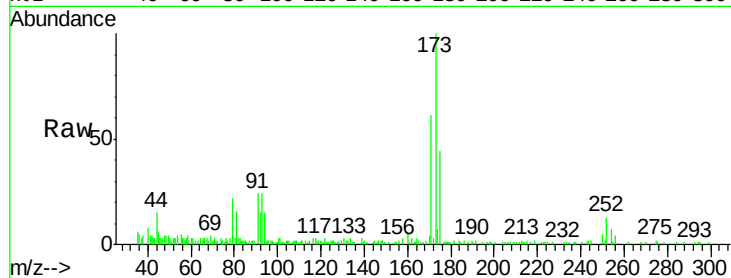
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

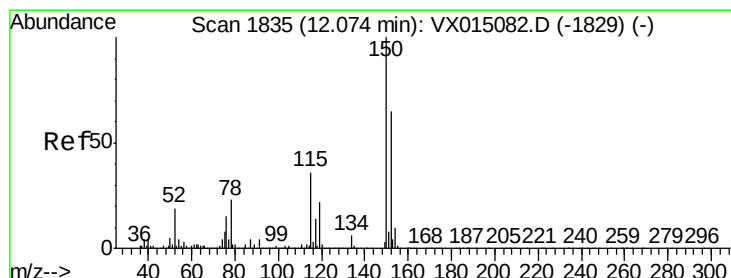
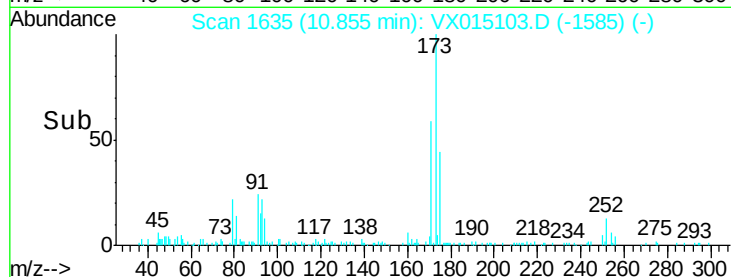
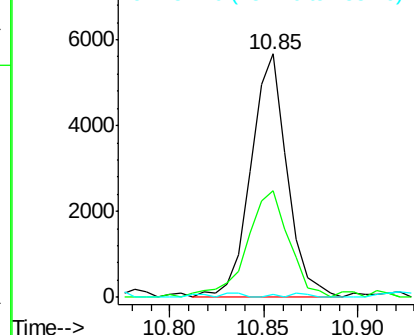
Tot Ion:	173	Resp:	7546
Ion Ratio	Lower	Upper	
173	100		
175	51.4	24.9	74.7
254	1.2	0.2	0.2#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

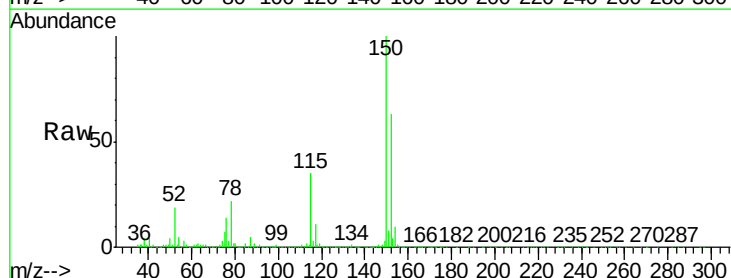
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

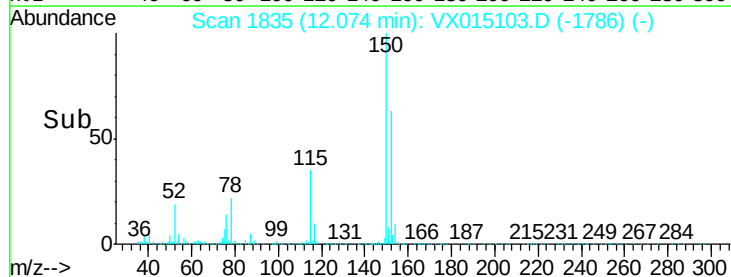
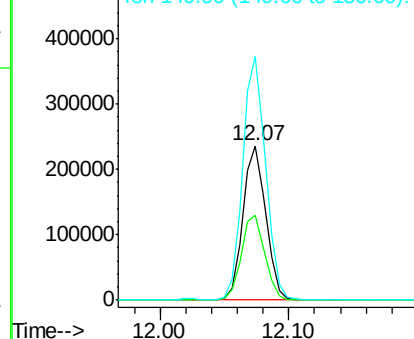
Lab File: VX015103.D

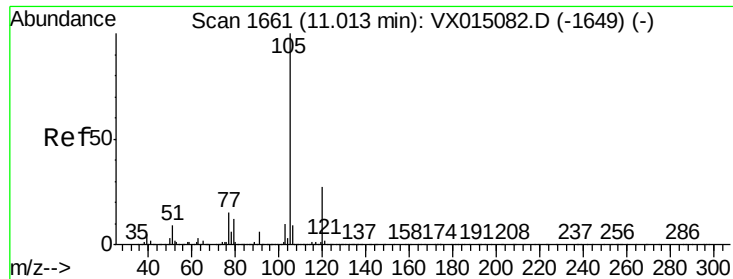
Acq: 05 Mar 2020 11:56

Tgt Ion:	152	Resp:	289218
Ion Ratio	Lower	Upper	
152	100		
115	56.7	38.2	114.6
150	158.2	0.0	343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.590 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 47858

Ion Ratio Lower Upper

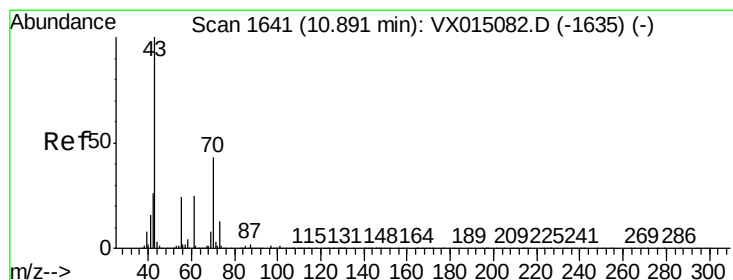
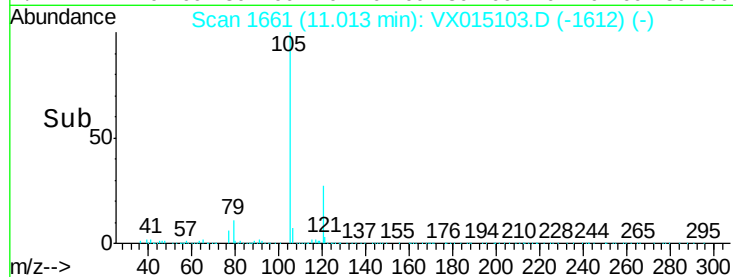
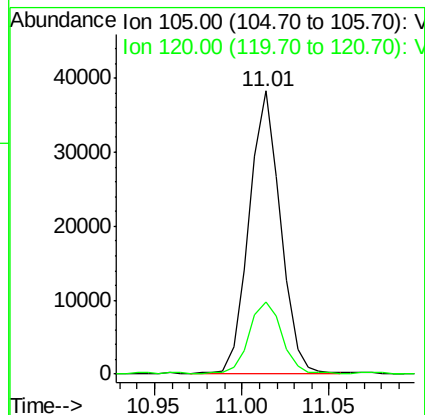
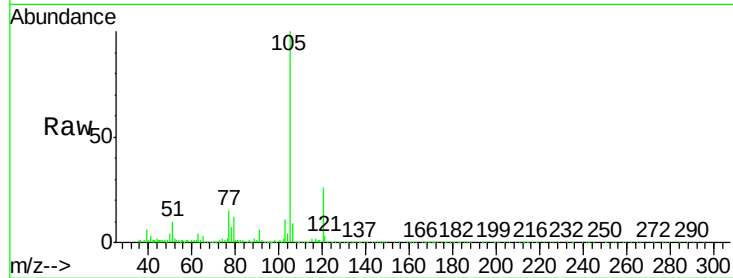
105 100

120 27.3

13.5 40.5

Manual Integrations
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3/6/2020 4:49:53 PM



#74

N-ethyl acetate

Concen: 2.349 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion: 43 Resp: 18290

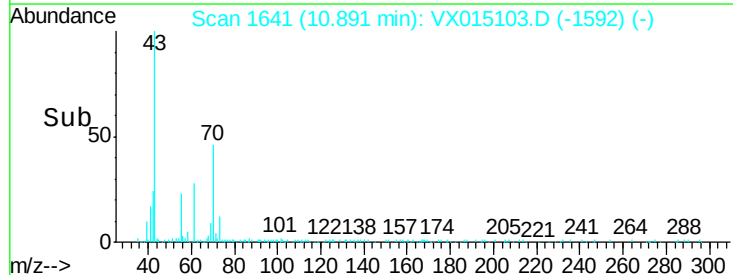
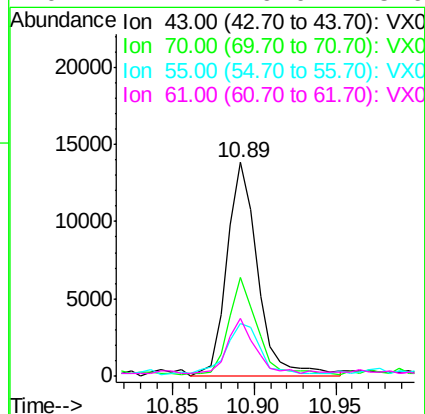
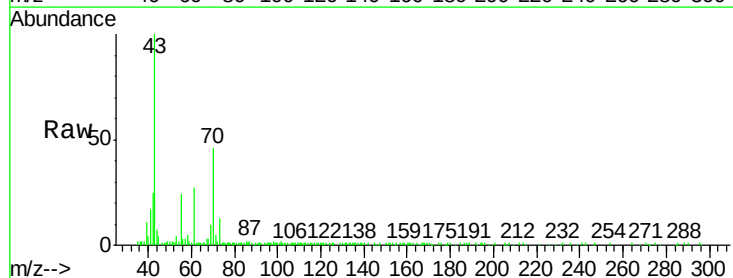
Ion Ratio Lower Upper

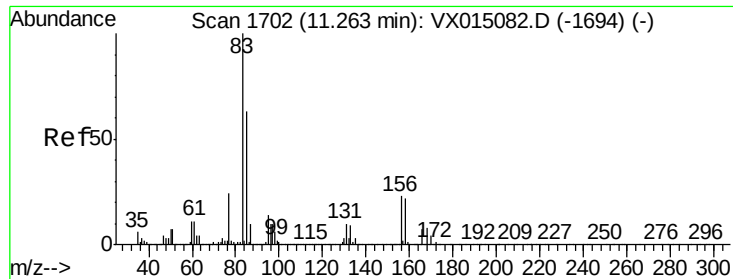
43 100

70 41.5 34.7 52.1

55 27.6 19.4 29.0

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.612 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

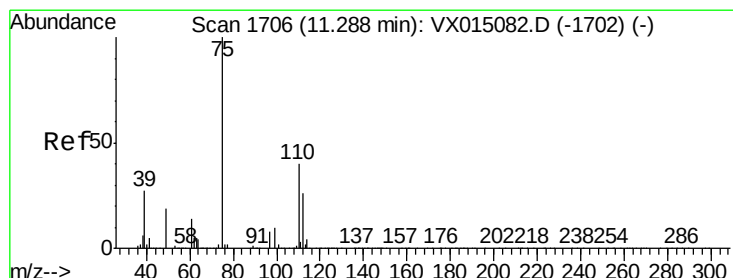
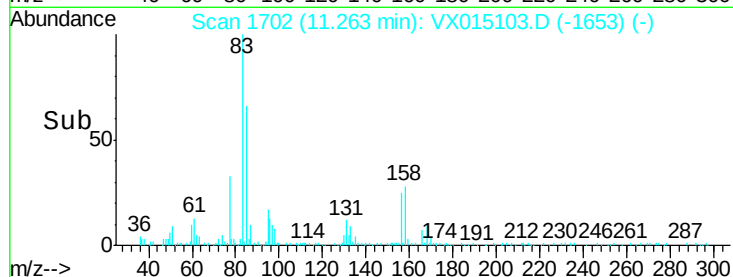
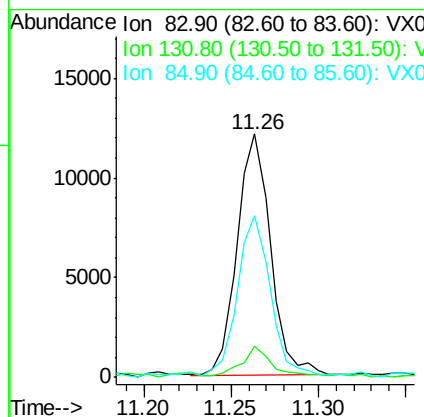
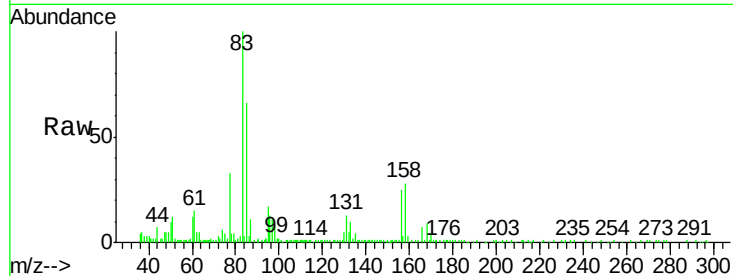
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	16084
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	63.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.248 ug/l m

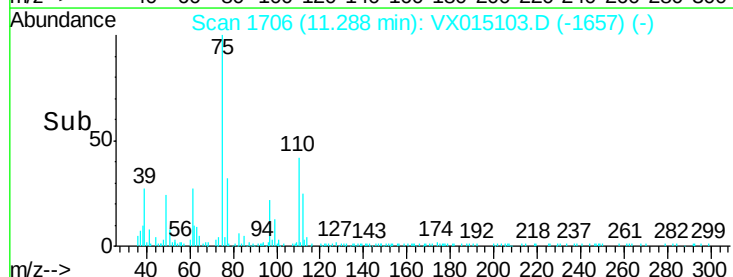
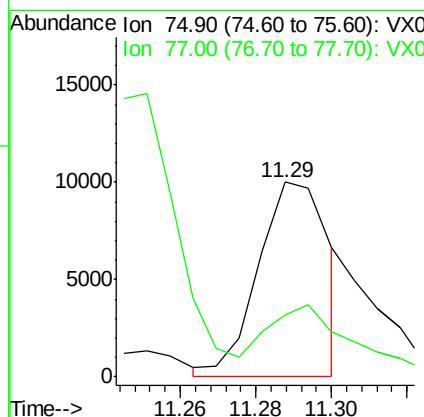
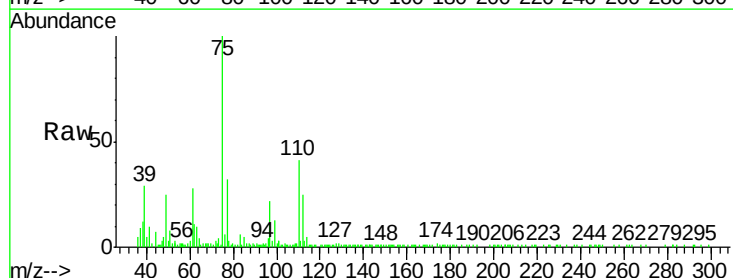
RT: 11.29 min Scan# 1706

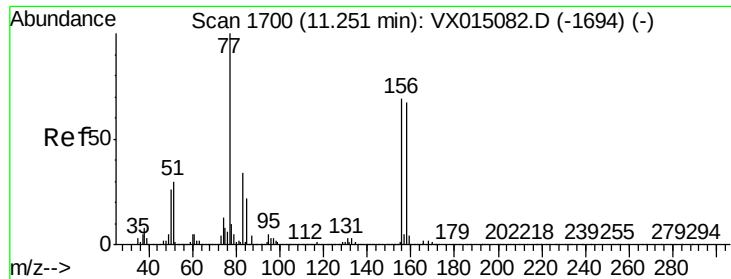
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	75	Resp:	12970
Ion Ratio	Lower	Upper	
75	100		
77	42.9	22.6	67.8





#77

Bromobenzene

Concen: 2.739 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

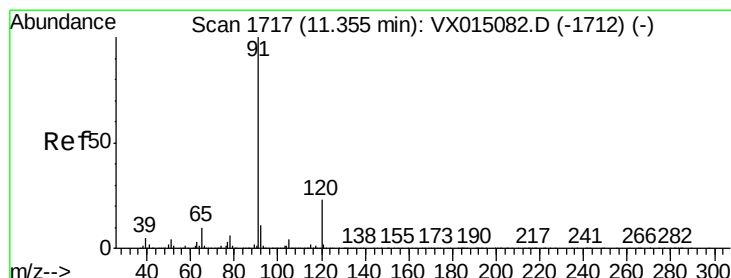
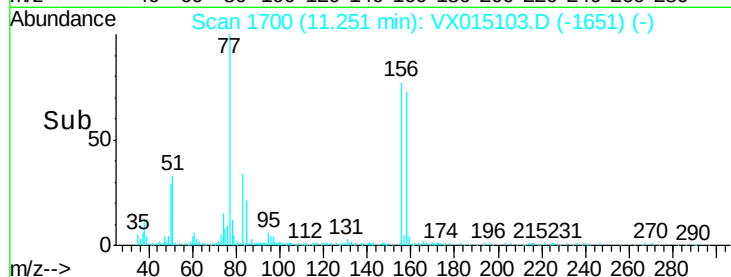
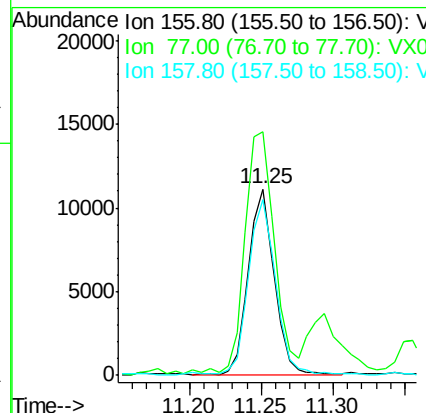
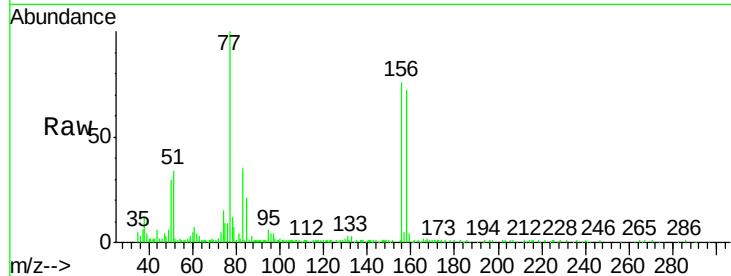
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	156	Resp:	14104
Ion Ratio	Lower	Upper	
156	100		
77	145.2	75.3	225.9
158	96.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 2.704 ug/l

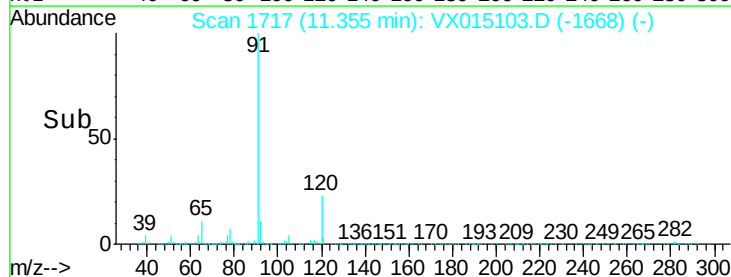
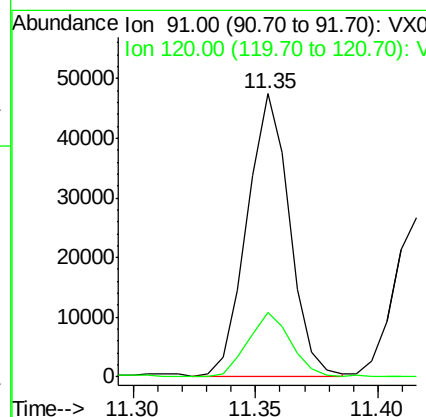
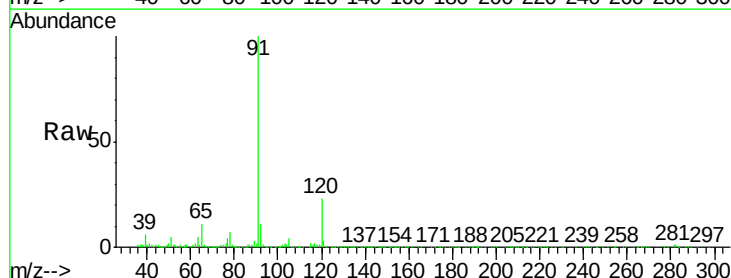
RT: 11.35 min Scan# 1717

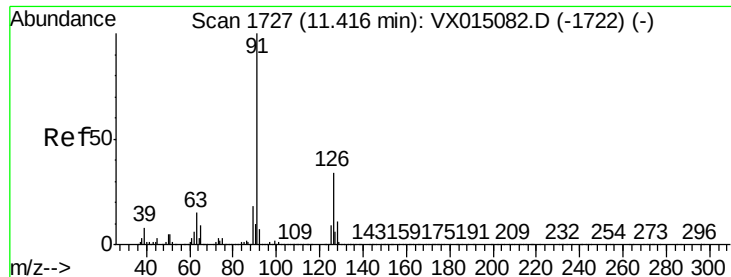
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion:	91	Resp:	57071
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 2.702 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 34058

Ion Ratio Lower Upper

91 100

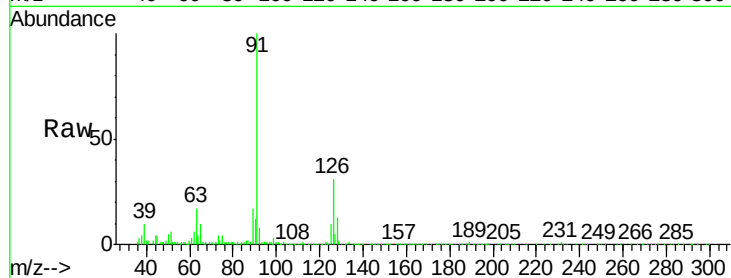
126 33.6 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX015082.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX015082.D (-1722) (-)

50000

40000

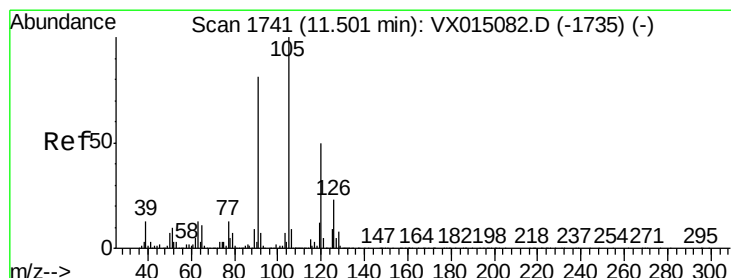
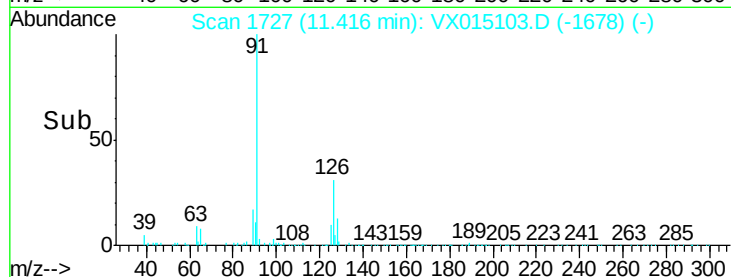
30000

20000

10000

0

Time--> 11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 2.574 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015103.D

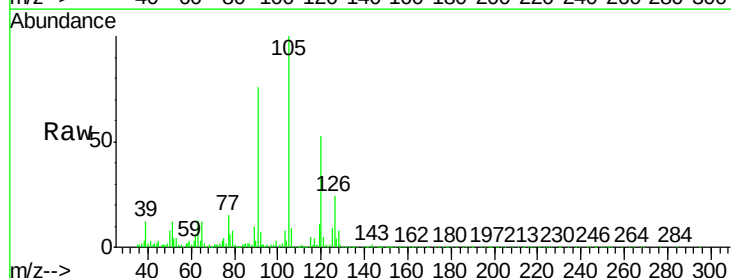
Acq: 05 Mar 2020 11:56

Tgt Ion: 105 Resp: 39594

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VX015082.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX015082.D (-1735) (-)

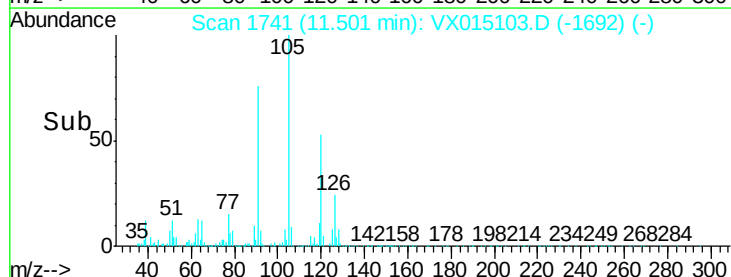
30000

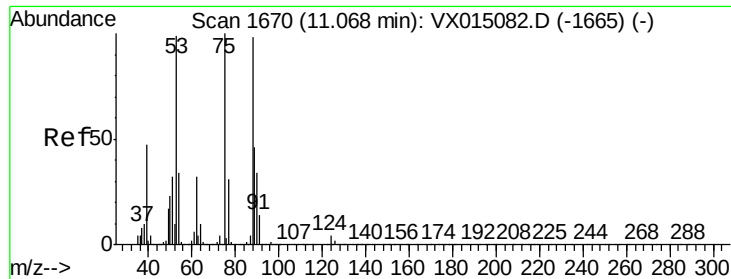
20000

10000

0

Time--> 11.45 11.50 11.55





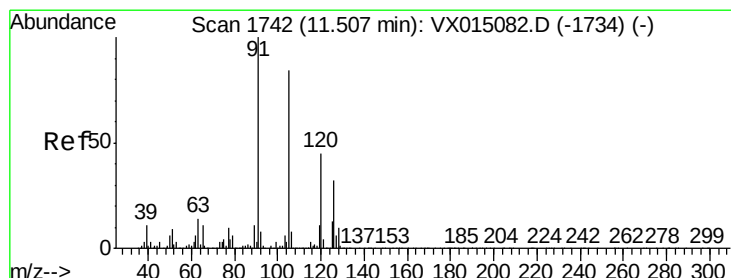
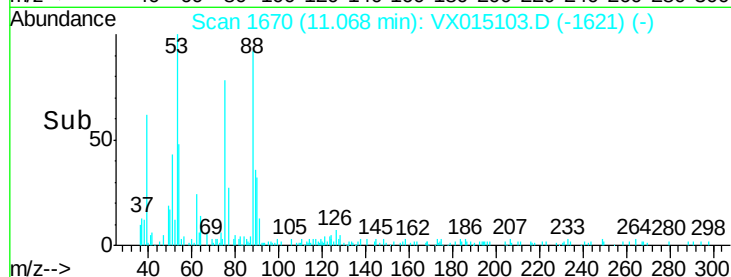
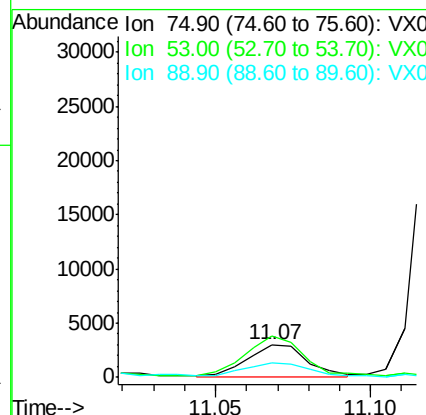
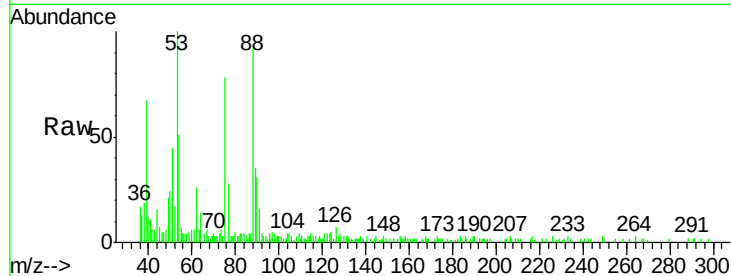
#81
trans-1,4-Dichloro-2-butene
Concen: 2.020 ug/l m
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.9	116.9#
89	3.3	36.2	54.2#

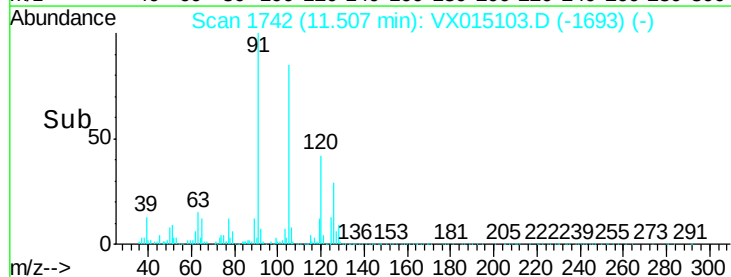
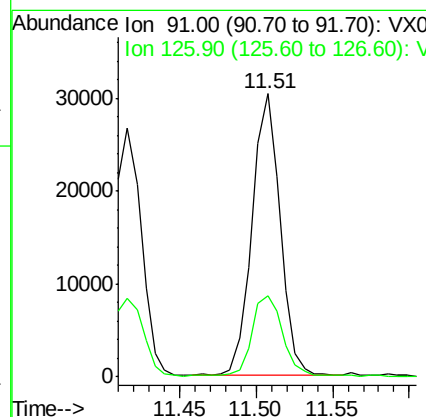
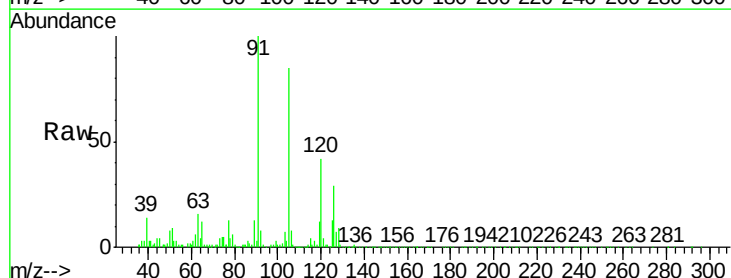
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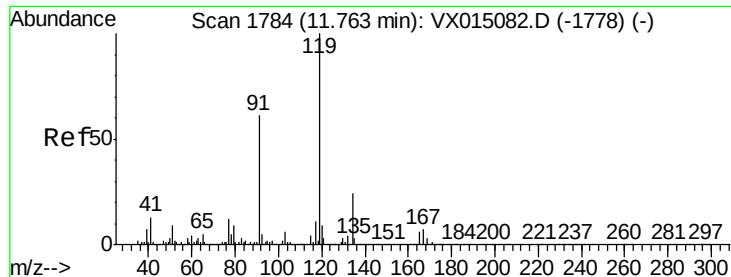
MMDadoda
3/6/2020 4:49:53 PM



#82
4-Chlorotoluene
Concen: 2.606 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2





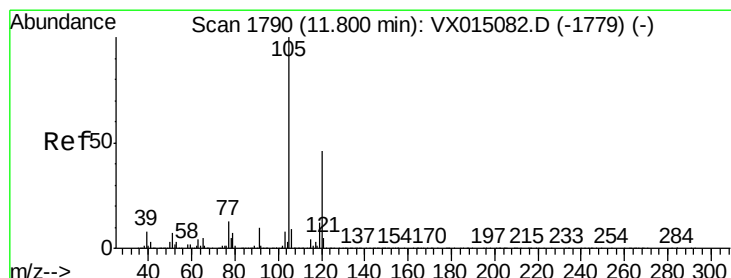
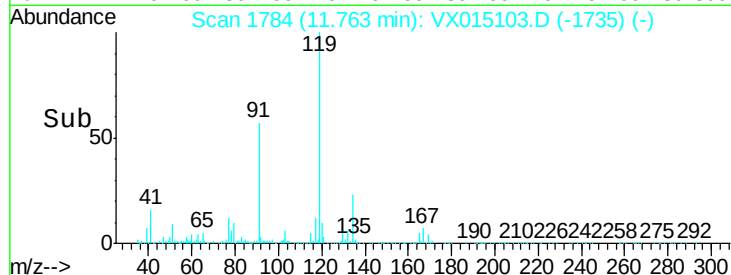
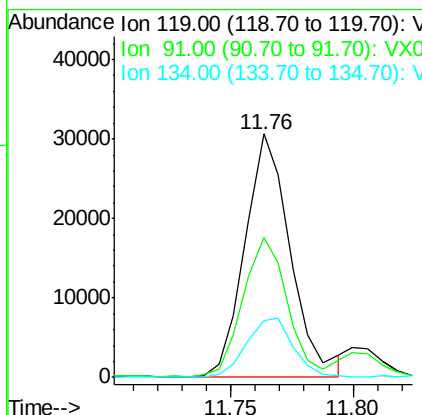
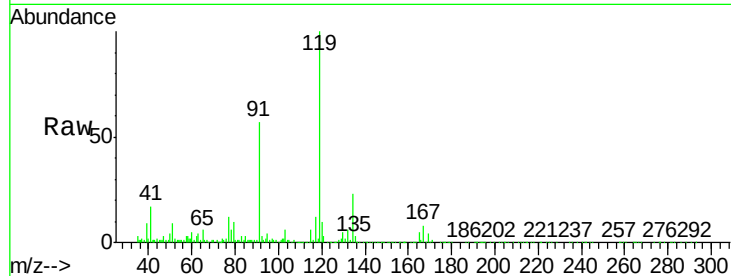
#83
 tert-Butylbenzene
 Concen: 2.663 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion:	119	Resp:	39600
Ion Ratio	Lower	Upper	
119	100		
91	55.6	28.5	85.6
134	24.7	11.9	35.7

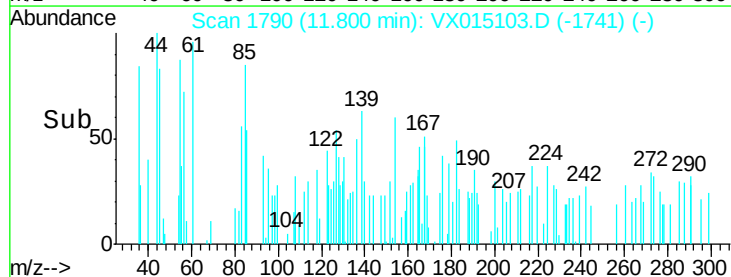
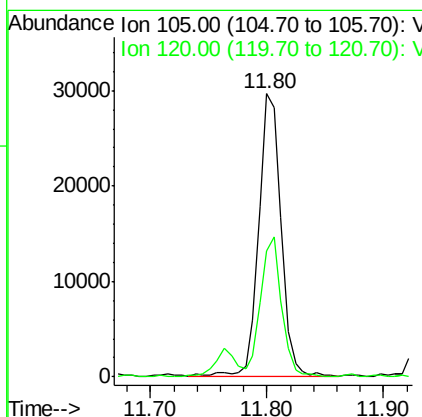
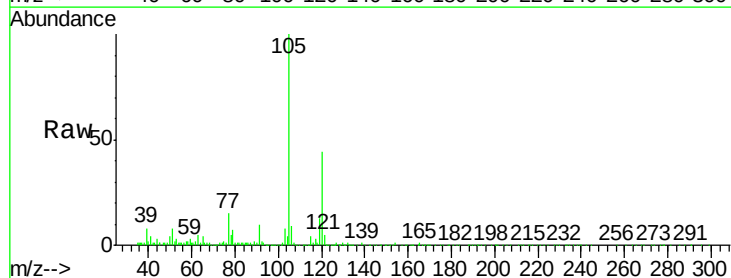
Manual Integrations
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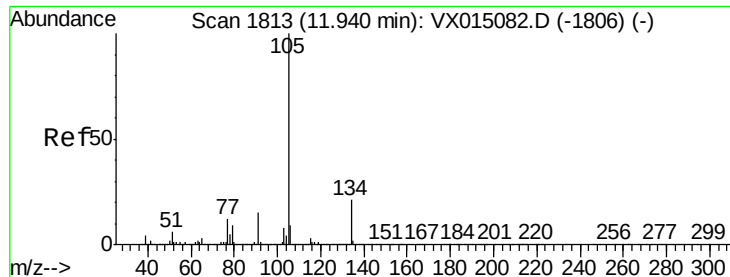
MMDadoda
 3/6/2020 4:49:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 2.596 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion:	105	Resp:	40118
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.5





#85

sec-Butylbenzene

Concen: 2.579 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 46299

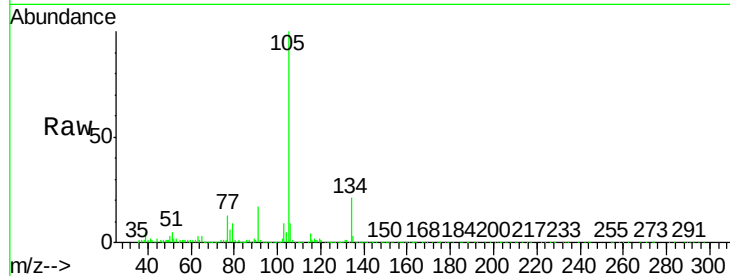
Ion Ratio Lower Upper

105 100

134 21.8 10.4 31.2

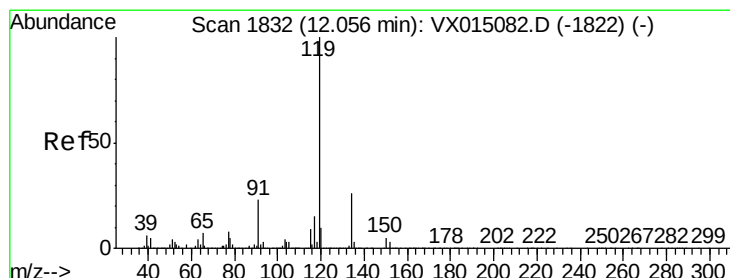
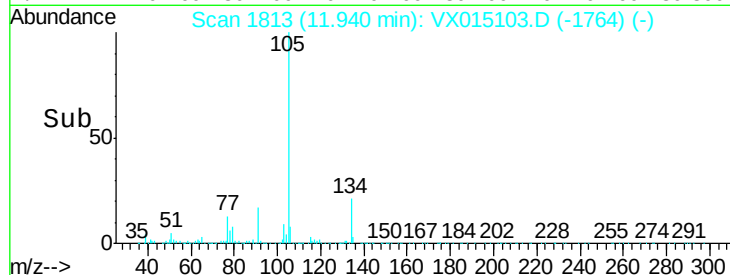
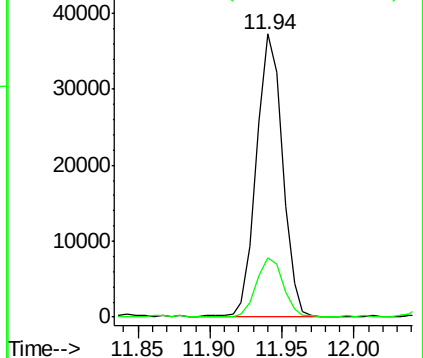
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.595 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

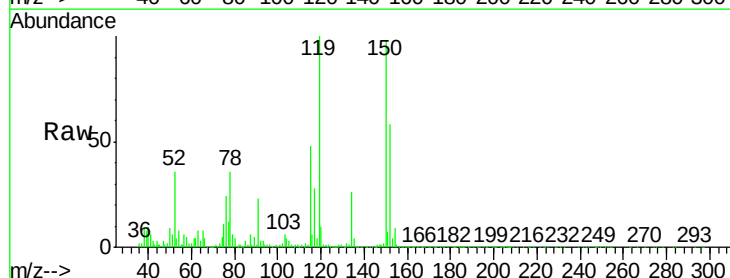
Tgt Ion:119 Resp: 42928

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.1

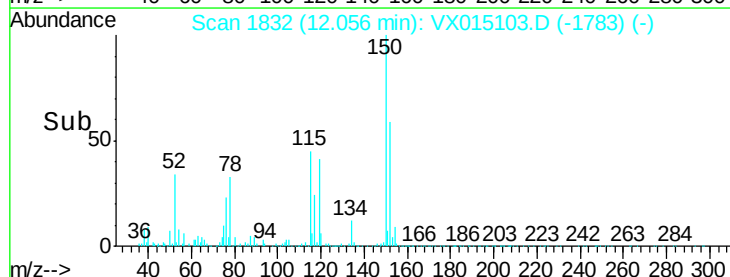
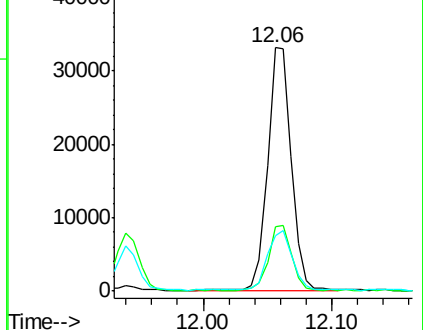
91 26.0 11.3 33.8

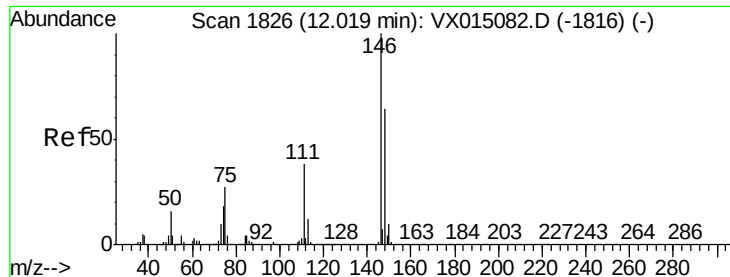


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.803 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

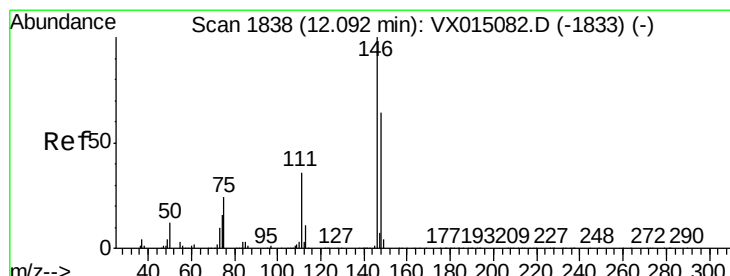
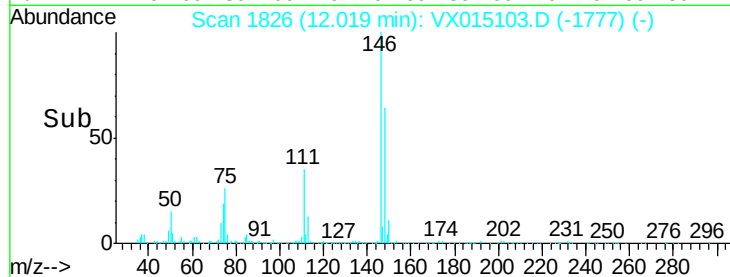
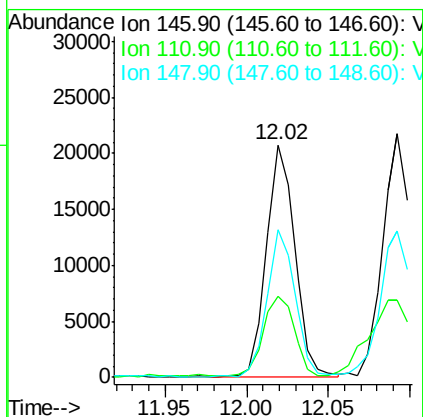
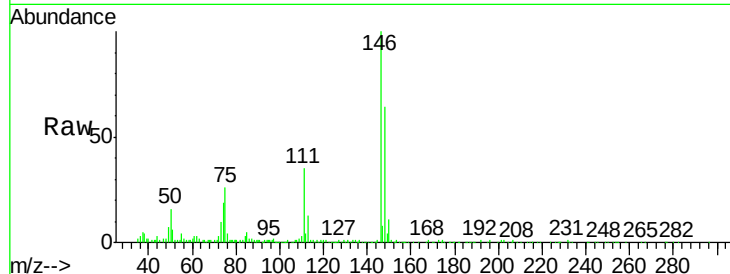
Instrument :
MSVOA_X

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.0	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 2.861 ug/l

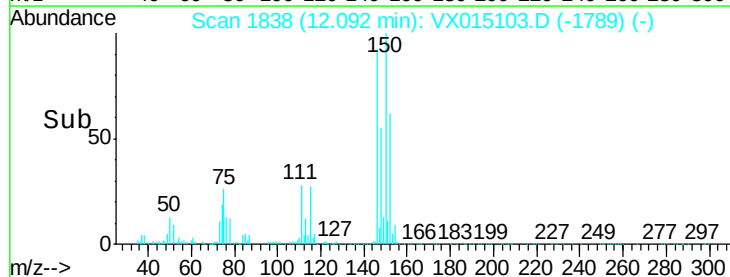
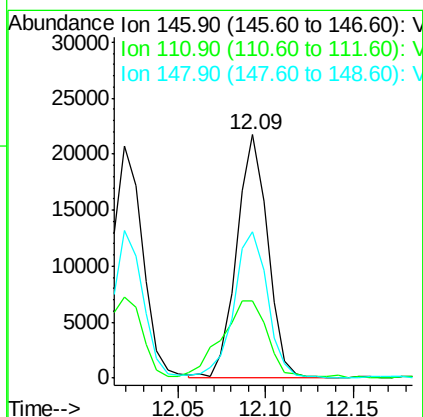
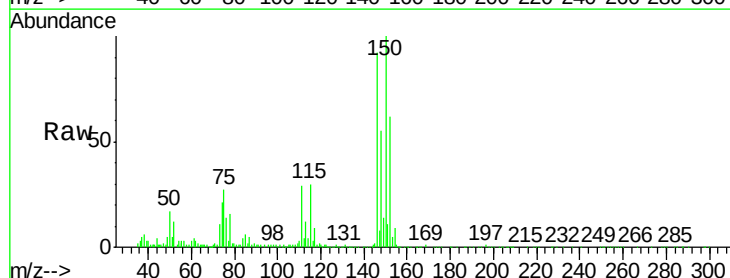
RT: 12.09 min Scan# 1838

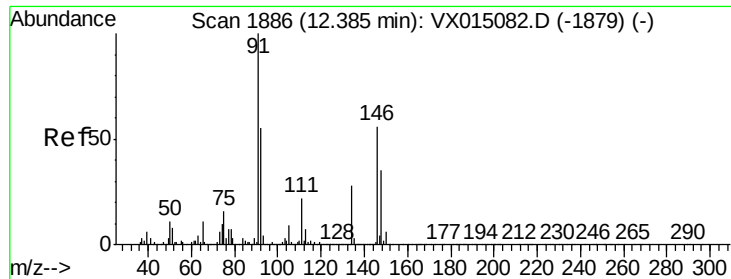
Delta R.T. 0.00 min

Lab File: VX015103.D

Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	18.7	56.1
148	65.5	32.5	97.4





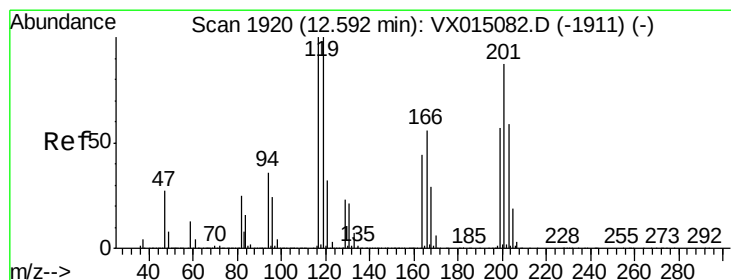
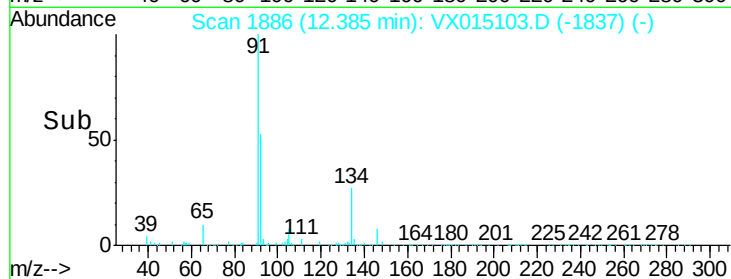
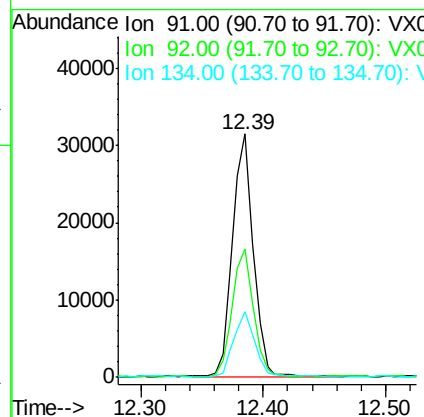
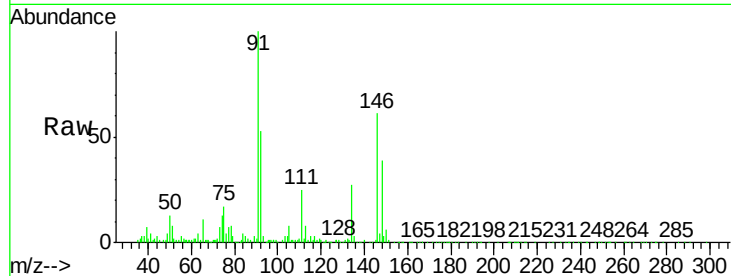
#89
n-Butylbenzene
Concen: 2.483 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	36532		
92	53.9		27.2	81.6
134	27.3		13.5	40.5

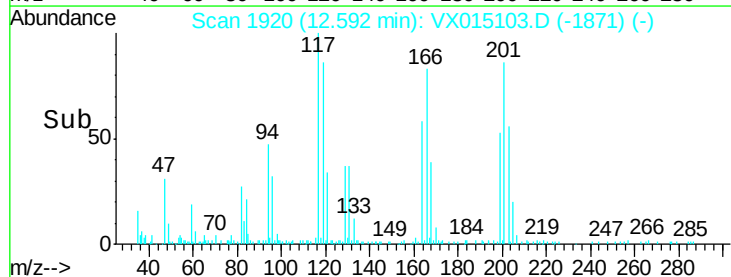
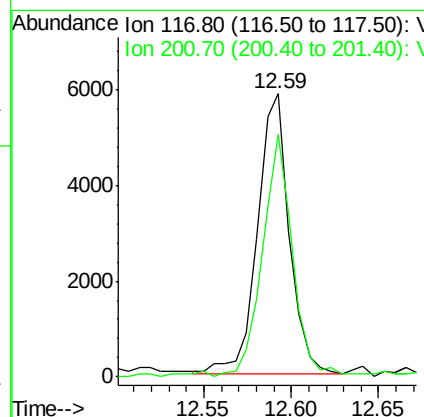
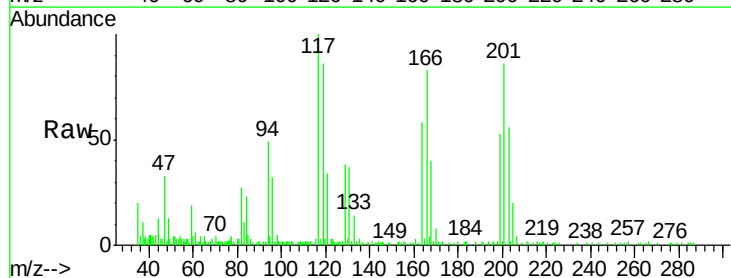
Manual Integrations
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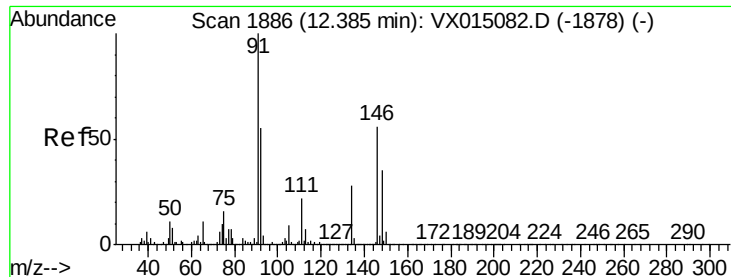
MMDadoda
3/6/2020 4:49:53 PM



#90
Hexachloroethane
Concen: 2.373 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	7421		
201	82.8		43.5	130.7





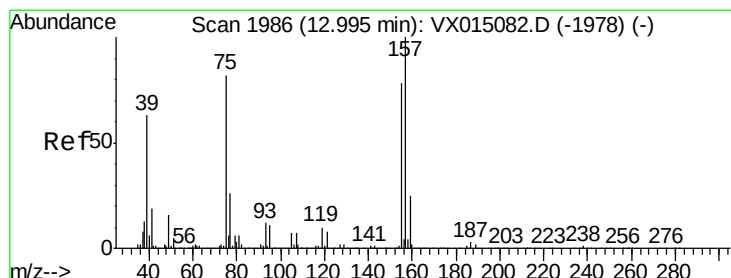
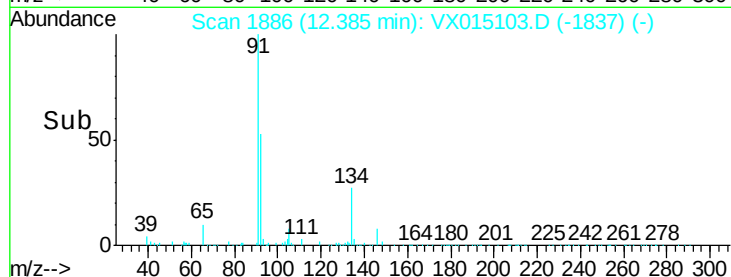
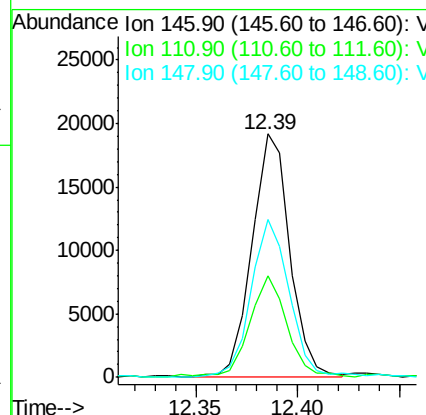
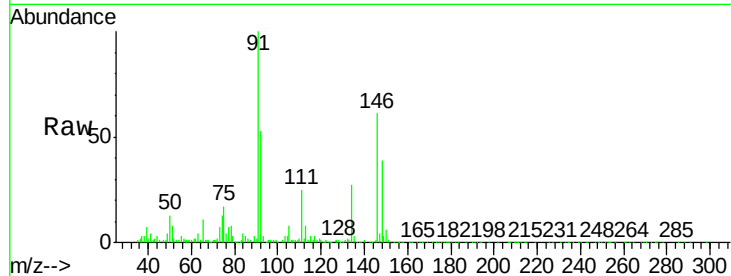
#91
 1,2-Dichlorobenzene
 Concen: 2.732 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.7
148	66.4	32.3	96.8

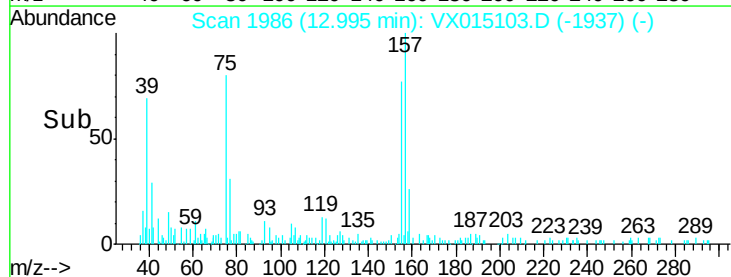
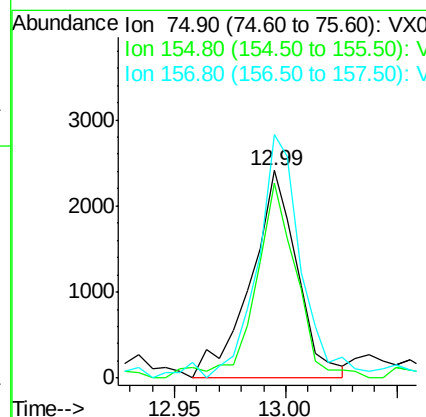
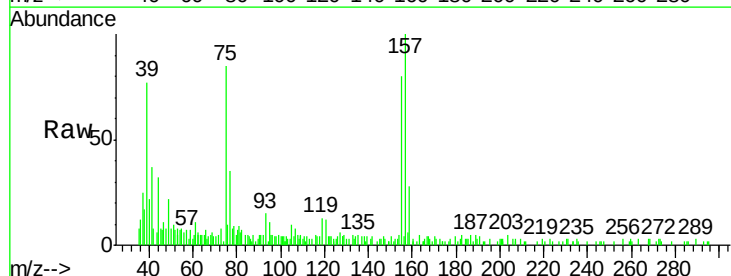
Manual Integrations
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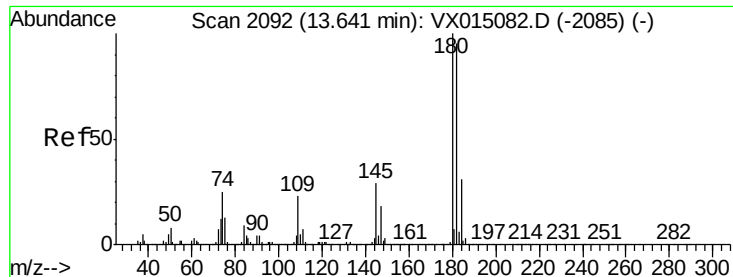
MMDadoda
 3/6/2020 4:49:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.843 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	46.6	139.7
157	109.6	59.2	177.5





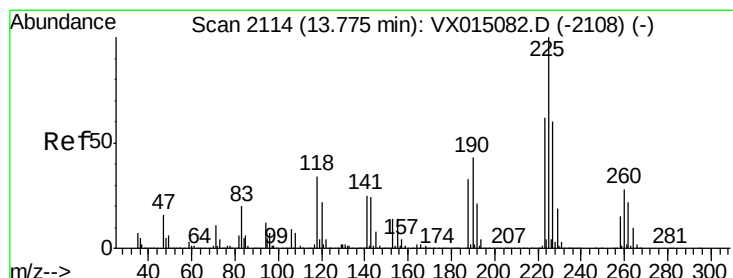
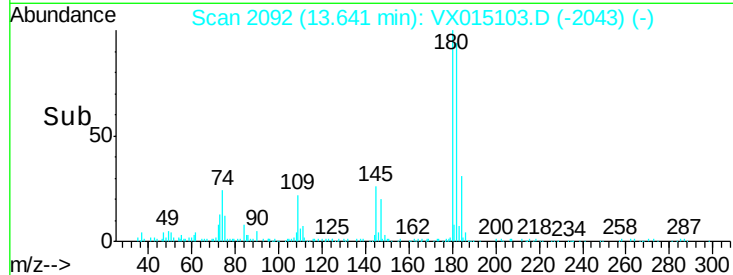
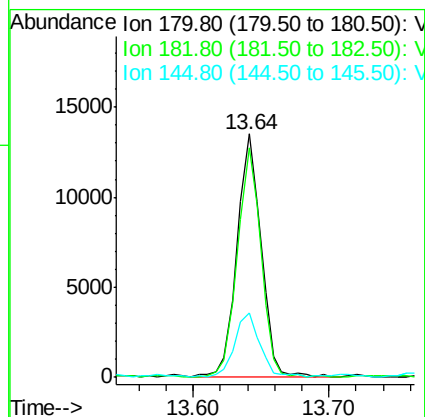
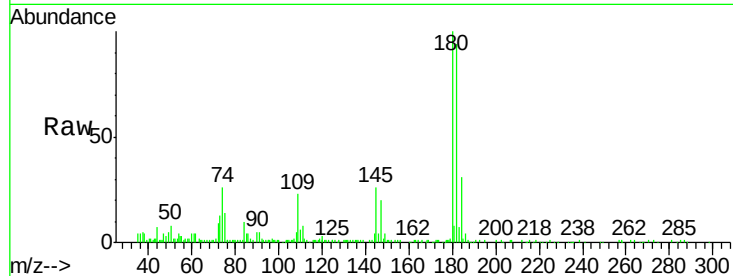
#93
 1,2,4-Trichlorobenzene
 Concen: 2.699 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

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

Tot Ion:	180	Resp:	16857
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.6	142.8
145	28.0	14.1	42.2

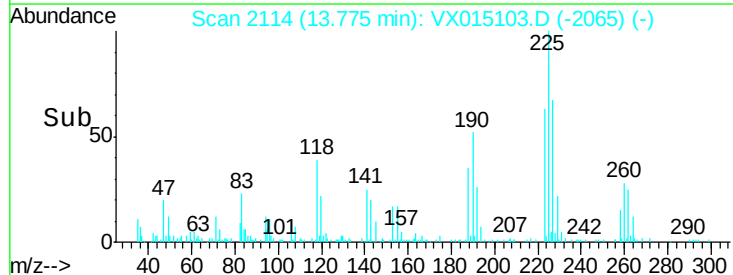
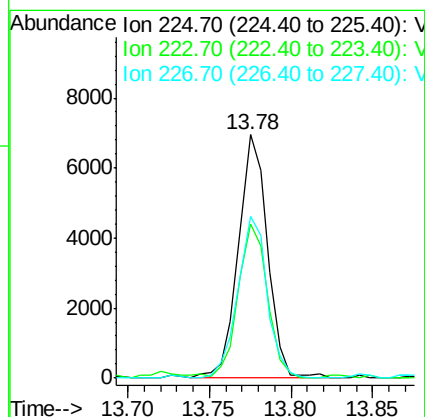
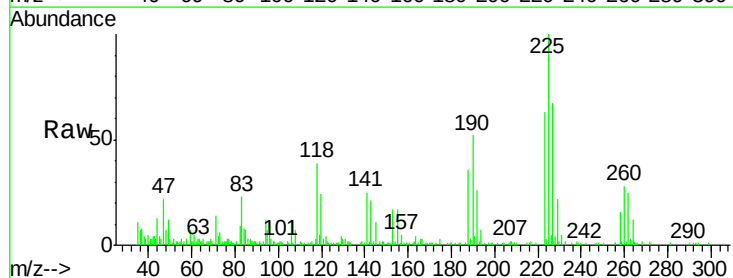
Manual Integrations
 APPROVED

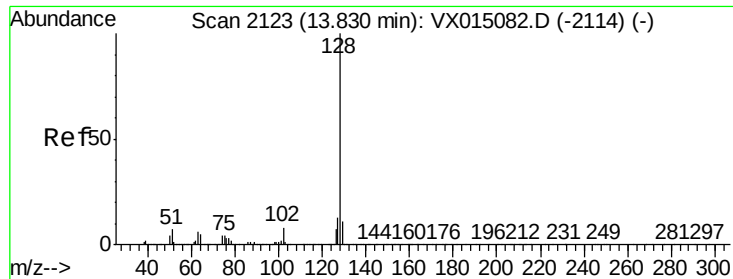
MMDadoda
 3/6/2020 4:49:53 PM



#94
 Hexachlorobutadiene
 Concen: 2.713 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015103.D
 Acq: 05 Mar 2020 11:56

Tgt Ion:	225	Resp:	8697
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.3	93.9
227	66.8	31.1	93.2





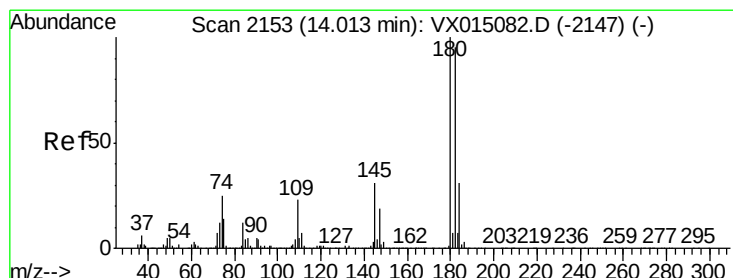
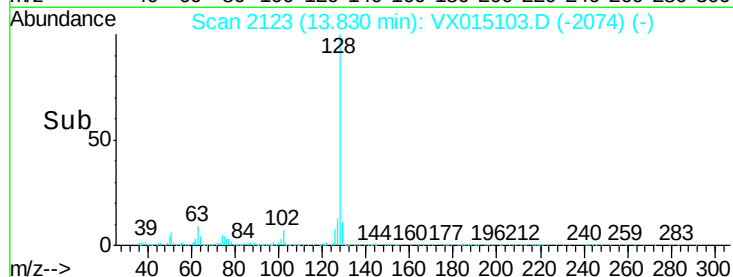
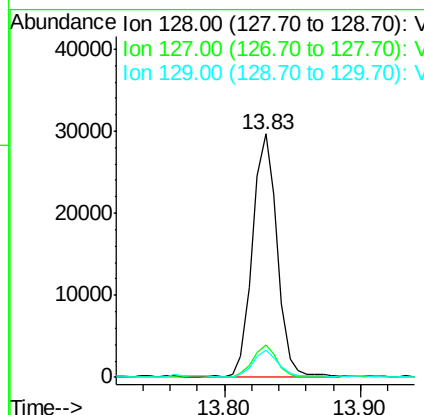
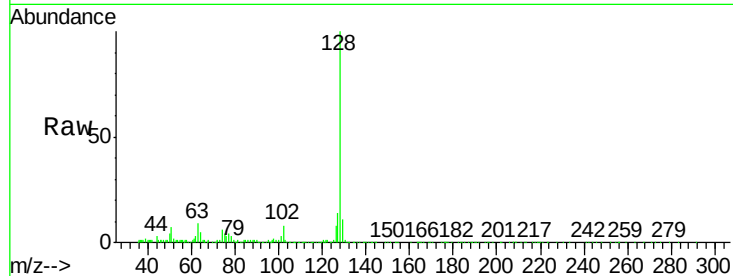
#95
Naphthalene
Concen: 2.217 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 4:49:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.583 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015103.D
Acq: 05 Mar 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.8	143.4
145	34.2	15.1	45.3

