

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015236.D
 Acq On : 12 Mar 2020 15:44
 Operator : JC/SP
 Sample : L1161-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:45 AM

Quant Time: Mar 13 04:09:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	46587	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.85	114	253283	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	230626	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	93276	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.13	95	105491	28.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.77%
63) Toluene-d8	8.71	98	302719	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	6420	2.740	ug/l 99
3) Chloromethane	1.31	50	9291	2.747	ug/l 96
4) Vinyl Chloride	1.40	62	9365	2.721	ug/l 90
5) Bromomethane	1.65	94	6843	3.051	ug/l 94
6) Chloroethane	1.72	64	5794	2.680	ug/l 98
7) Trichlorofluoromethane	1.92	101	10904	2.485	ug/l 94
8) Diethyl Ether	2.18	74	4999	2.570	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7301	2.713	ug/l 97
10) 1,1-Dichloroethene	2.36	96	7541	2.779	ug/l 81
11) Methyl Iodide	2.50	142	5669	2.031	ug/l 91
12) Methyl Acetate	2.76	43	7944	2.373	ug/l 96
13) Acrolein	2.29	56	7599	14.377	ug/l 100
14) Acrylonitrile	3.13	53	18324	11.798	ug/l 97
15) Acetone	2.44	58	5642	12.380	ug/l 84
16) Carbon Disulfide	2.56	76	20140	2.651	ug/l 98
17) Allyl chloride	2.72	41	11635	2.311	ug/l 94
18) Methylene Chloride	2.85	84	8390	2.736	ug/l # 94
19) trans-1,2-Dichloroethene	3.16	96	7846	2.681	ug/l 94
20) Diisopropyl ether	3.84	45	23341	2.334	ug/l 96
21) 1,1-Dichloroethane	3.69	63	12814	2.419	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	8078	2.442	ug/l 93
23) tert-Butyl Alcohol	3.05	59	9518	15.674	ug/l # 97
24) Methyl tert-Butyl Ether	3.19	73	21080	2.405	ug/l 100
25) Chloroform	5.20	83	12416	2.464	ug/l 95
26) Cyclohexane	5.57	56	12628m	2.565	ug/l
29) 1,1-Dichloropropene	5.79	75	9808	2.523	ug/l 98
30) 2-Butanone	4.66	43	23844	11.456	ug/l 98
31) 2,2-Dichloropropane	4.57	77	9807	2.456	ug/l 92
32) 1,1,1-Trichloroethane	5.48	97	9090m	2.149	ug/l
33) Carbon Tetrachloride	5.76	117	8876m	2.452	ug/l
34) Benzene	6.14	78	29245	2.483	ug/l 97
35) Methacrylonitrile	5.03	41	4566	2.029	ug/l 93
36) 1,2-Dichloroethane	6.18	62	9499m	2.418	ug/l
37) Trichloroethene	7.20	130	8612	2.644	ug/l 97
38) Methylcyclohexane	7.45	83	12090	2.560	ug/l 97
39) 1,2-Dichloropropane	7.51	63	8126	2.671	ug/l 99
40) Dibromomethane	7.65	93	5291	2.736	ug/l 99

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

41) Bromodichloromethane	7.89	83	10222	2.673	ug/l #	80
42) Vinyl Acetate	3.81	43	94292	11.488	ug/l	99
43) Ethyl Acetate	4.82	43	9133	2.313	ug/l #	88
44) Isopropyl Acetate	6.43	43	15280m	2.287	ug/l	
45) 1,4-Dioxane	7.75	88	3627	55.284	ug/l #	87
46) Methyl methacrylate	7.76	41	7797	2.367	ug/l	93
47) n-amyl Acetate	10.89	43	11006	1.836	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	9183	2.208	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	10517	2.227	ug/l #	92
50) 1,1,2-Trichloroethane	9.21	97	6380	2.231	ug/l	93
51) Ethyl methacrylate	9.17	69	9452	2.119	ug/l	91
52) 1,3-Dichloropropane	9.36	76	12496	2.582	ug/l	99
53) Dibromochloromethane	9.57	129	7018	2.305	ug/l	93
54) 1,2-Dibromoethane	9.67	107	7871	2.668	ug/l	93
55) 2-Chloroethyl vinyl ether	8.30	63	24385	10.913	ug/l	97
56) Bromoform	10.85	173	4862	2.036	ug/l #	91
58) 4-Methyl-2-Pentanone	8.63	43	46047	11.728	ug/l	97
59) 2-Hexanone	9.48	43	31251	10.531	ug/l	99
61) Tetrachloroethene	9.32	164	8118	2.529	ug/l	88
62) Toluene	8.78	91	30813	2.525	ug/l	98
64) Chlorobenzene	10.14	112	19902	2.552	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	7344	2.557	ug/l	97
66) Ethyl Benzene	10.25	91	32220	2.370	ug/l	95
67) m/p-Xylenes	10.35	106	23035	4.414	ug/l	95
68) o-Xylene	10.70	106	11466	2.292	ug/l	94
69) Styrene	10.71	104	18380	2.111	ug/l	94
70) Isopropylbenzene	11.01	105	31678	2.379	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	10393	2.404	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	10835	3.062	ug/l	82
73) Bromobenzene	11.25	156	8781	2.418	ug/l	96
74) n-propylbenzene	11.35	91	33710	2.143	ug/l	99
75) 2-Chlorotoluene	11.42	91	20547	2.237	ug/l	96
76) 1,3,5-Trimethylbenzene	11.50	105	26093	2.295	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	2546	1.718	ug/l	88
78) 4-Chlorotoluene	11.51	91	24541	2.320	ug/l	100
79) tert-butylbenzene	11.76	119	24028	2.254	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	24192	2.152	ug/l	100
81) sec-Butylbenzene	11.94	105	28527	2.157	ug/l	98
82) p-Isopropyltoluene	12.06	119	25366	2.085	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	15692	2.445	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	15481	2.412	ug/l	97
85) n-Butylbenzene	12.38	91	21227	1.991	ug/l	97
86) Hexachloroethane	12.59	117	4648	2.183	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	15146	2.421	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2446	2.748	ug/l	85
89) 1,2,4-Trichlorobenzene	13.64	180	10718	2.317	ug/l	98
90) Hexachlorobutadiene	13.78	225	5898	2.479	ug/l	97
91) Naphthalene	13.83	128	23904	1.866	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	11397	2.448	ug/l	94

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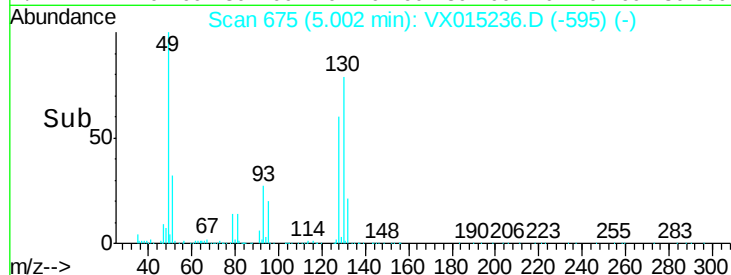
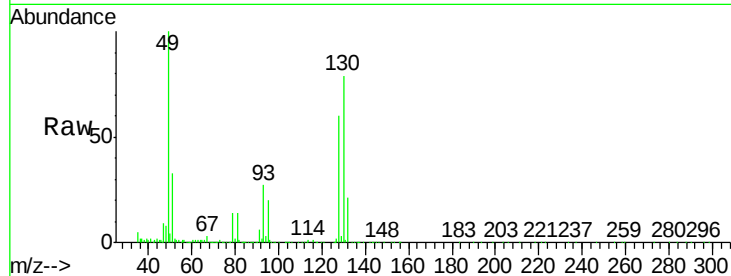
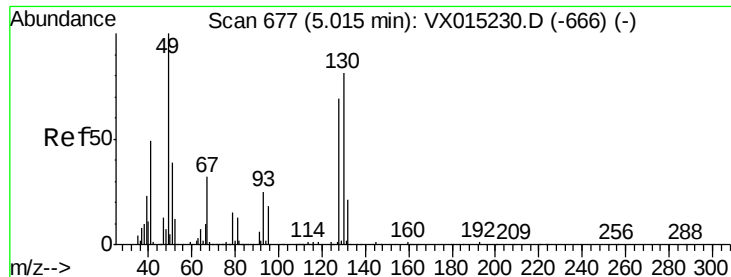
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX015236.D

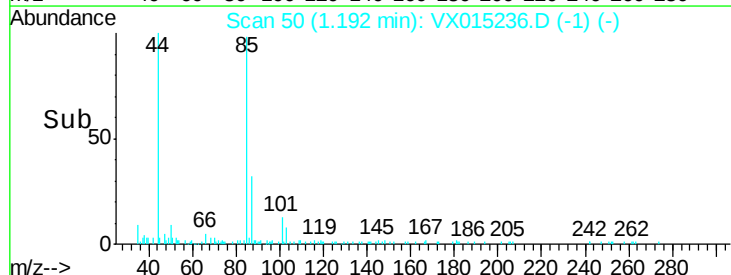
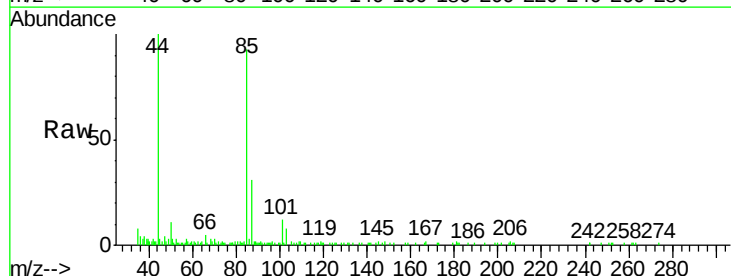
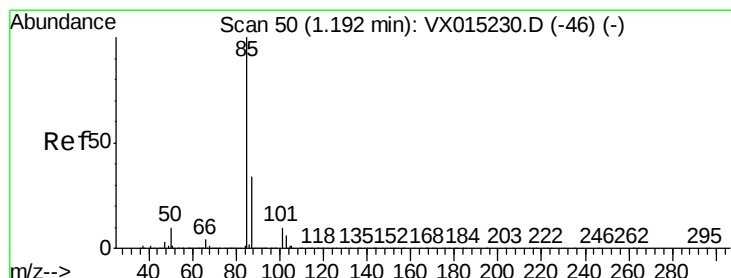
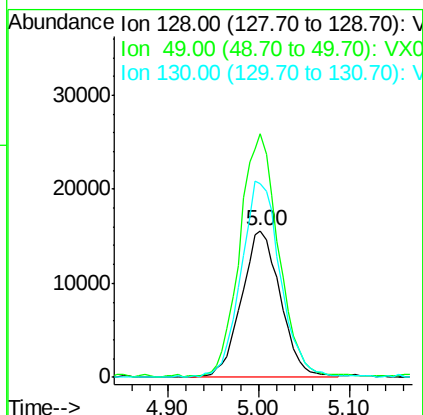
Acq: 12 Mar 2020 15:44

Tot Ion:	128	Resp:	46587
Ion	Ratio	Lower	Upper
128	100		
49	162.6	0.0	406.8
130	133.5	0.0	319.3

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#2

Dichlorodifluoromethane

Concen: 2.740 ug/l

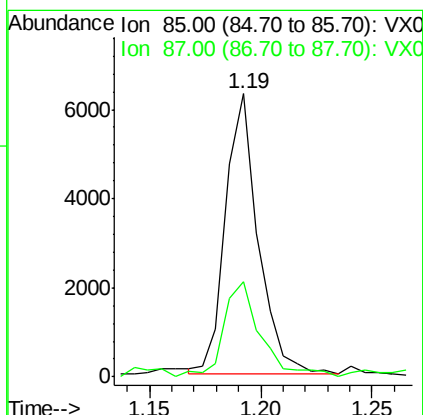
RT: 1.19 min Scan# 50

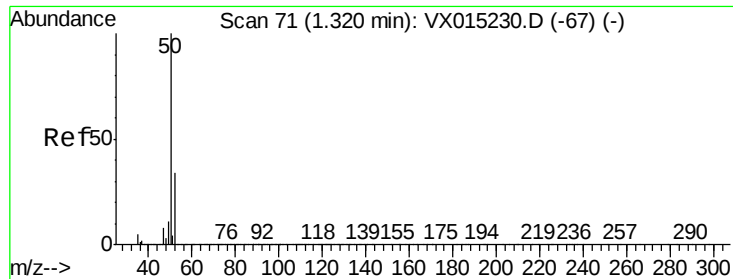
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	85	Resp:	6420
Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.7	50.1





#3

Chloromethane

Concen: 2.747 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 9291

Ion Ratio Lower Upper

50 100

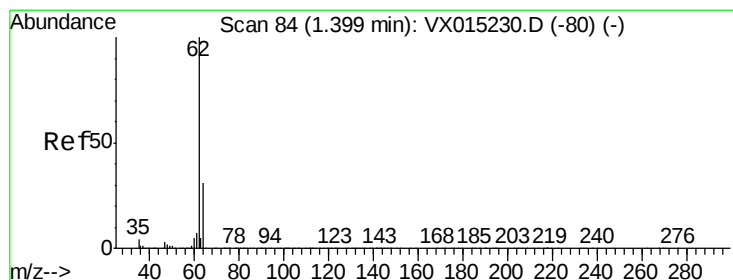
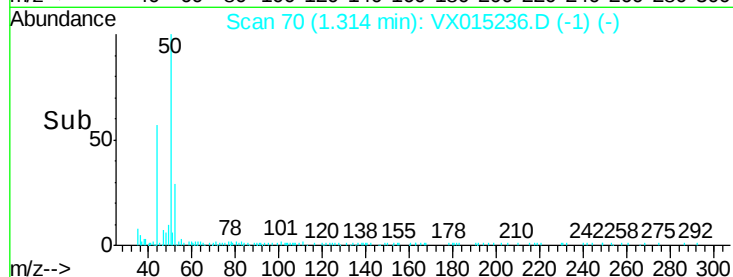
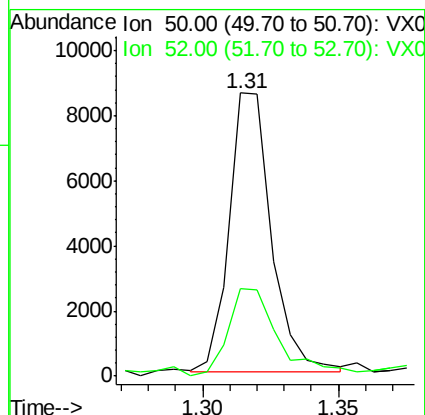
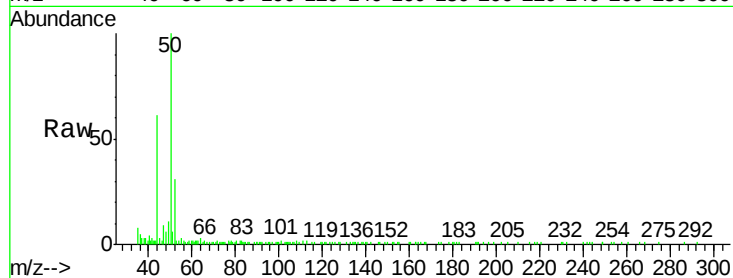
52 31.4 26.9 40.3

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#4

Vinyl Chloride

Concen: 2.721 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015236.D

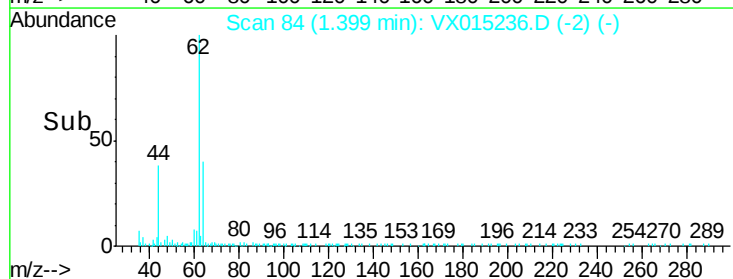
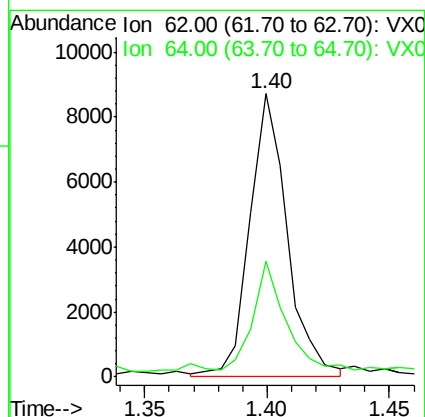
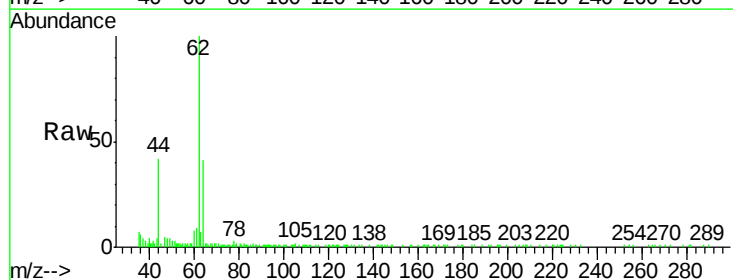
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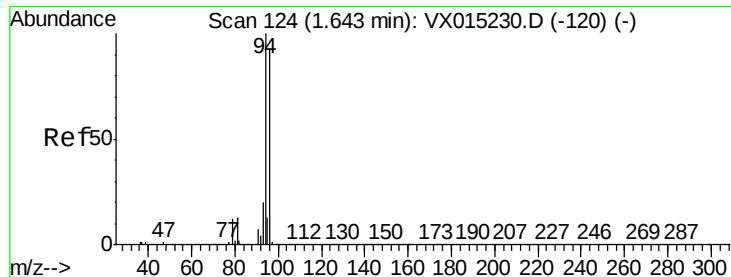
Tgt Ion: 62 Resp: 9365

Ion Ratio Lower Upper

62 100

64 36.8 24.9 37.3





#5

Bromomethane

Concen: 3.051 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 6843

Ion Ratio Lower Upper

94 100

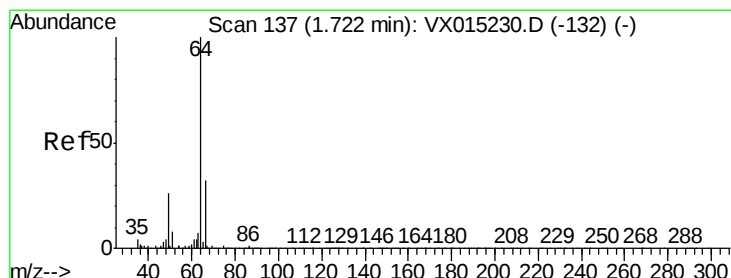
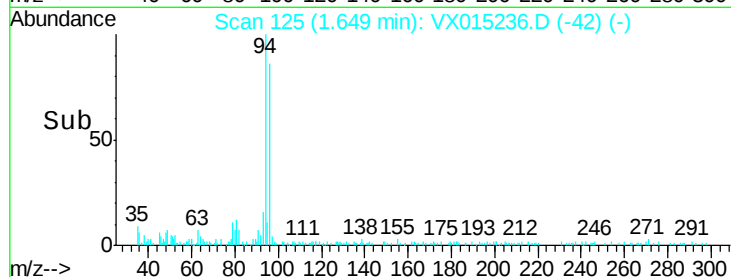
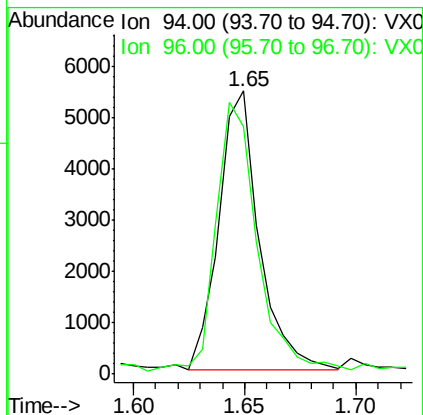
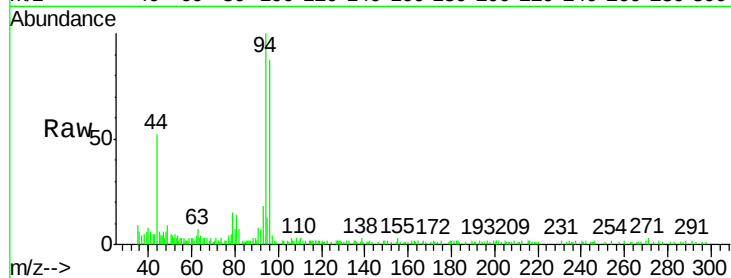
96 85.8 73.0 109.4

Manual Integrations

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#6

Chloroethane

Concen: 2.680 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015236.D

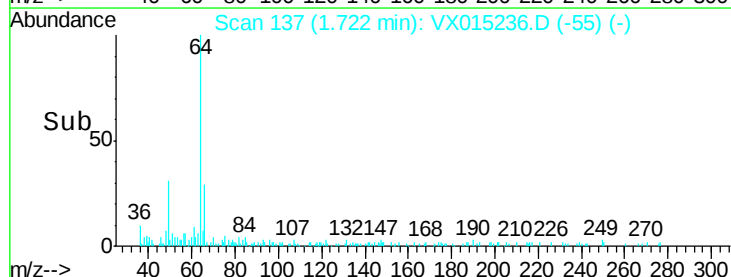
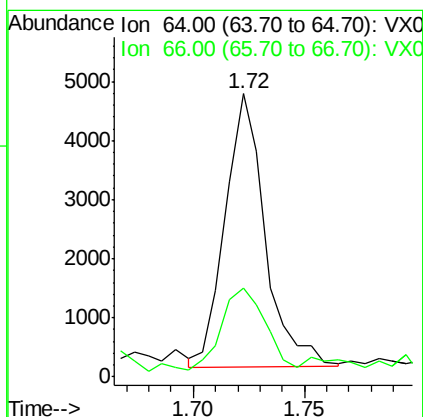
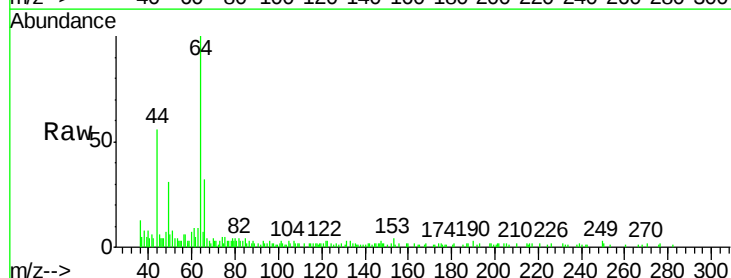
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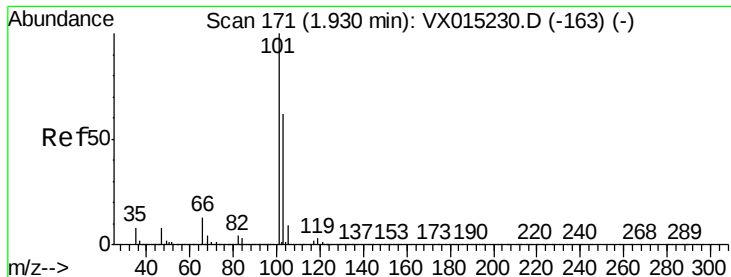
Tgt Ion: 64 Resp: 5794

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9





#7

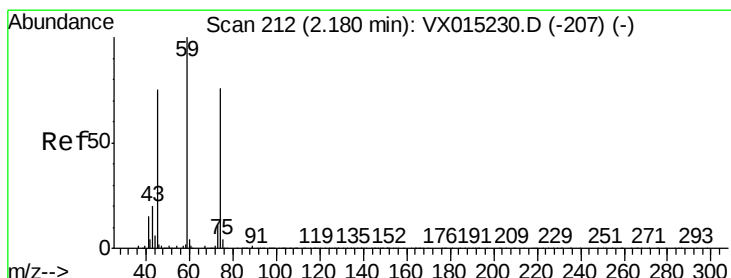
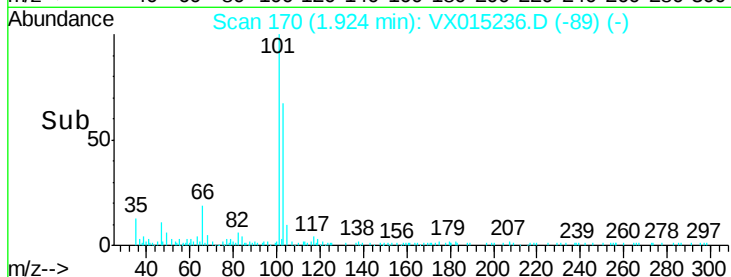
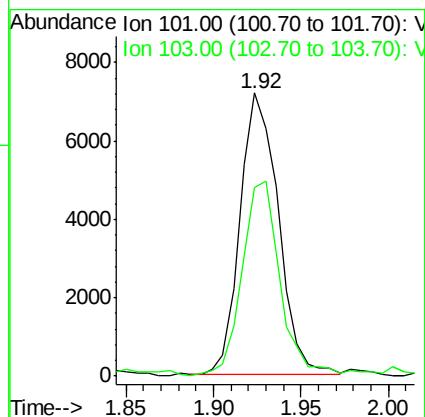
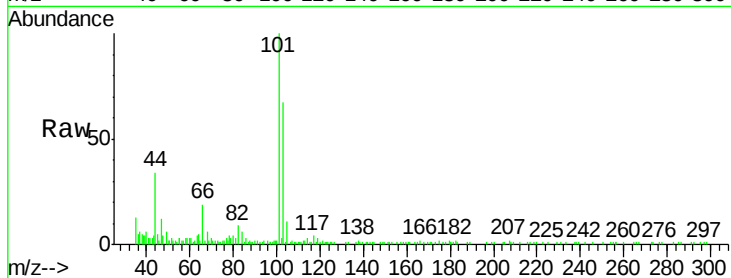
Trichlorofluoromethane
Concen: 2.485 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015236.D
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LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	49.9	74.9

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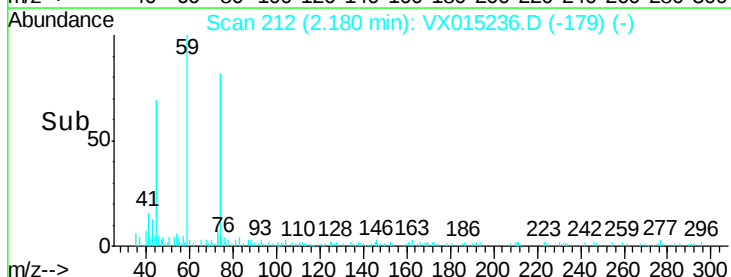
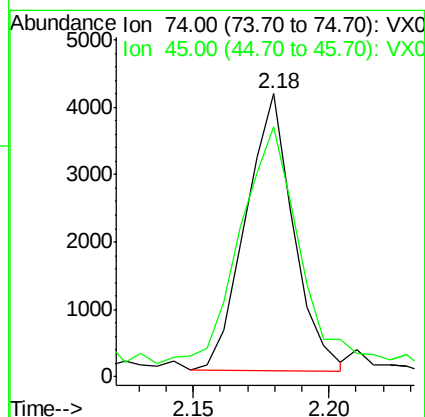
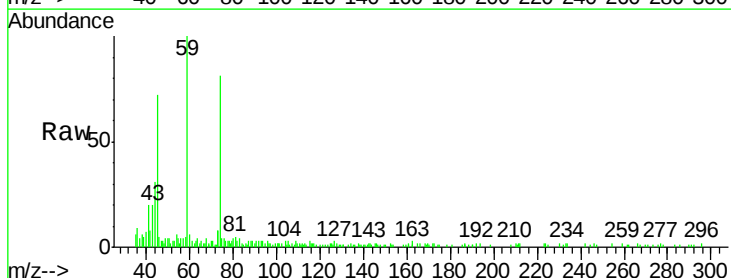
MMDadoda
3/16/2020 11:43:45 AM

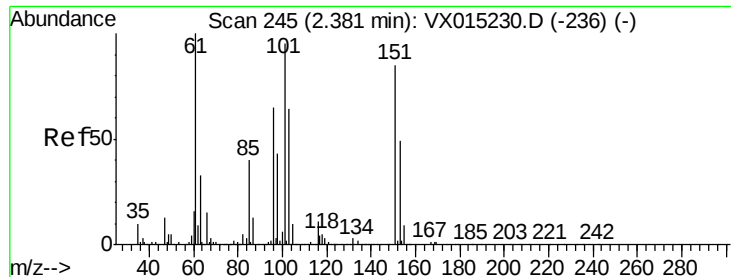


#8

Diethyl Ether
Concen: 2.570 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	20.3	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.713 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

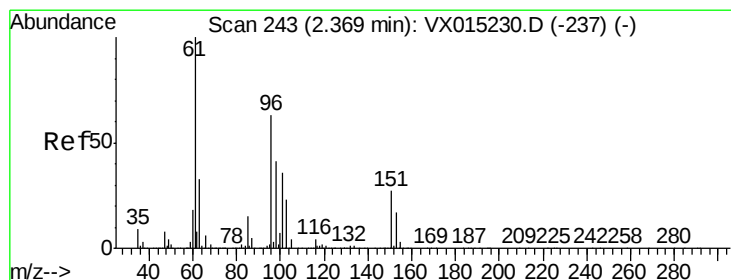
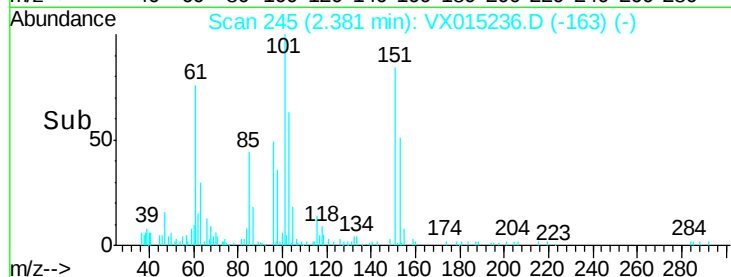
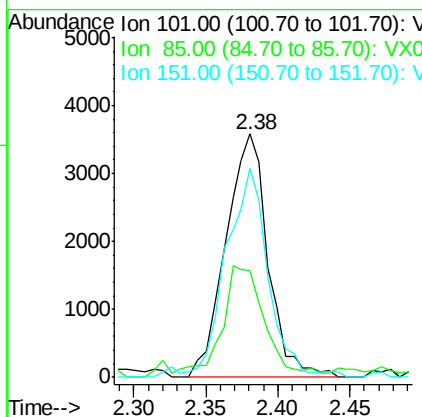
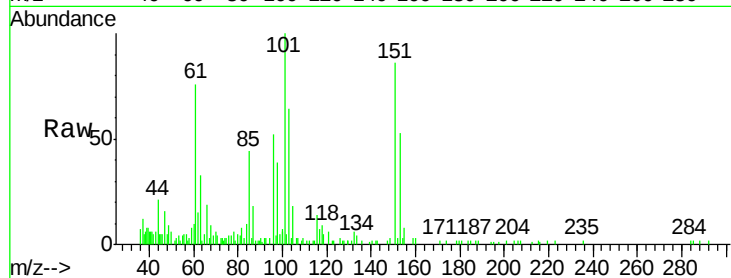
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	101	Resp:	7301
Ion Ratio	Lower	Upper	
101	100		
85	38.0	0.0	82.0
151	84.5	0.0	165.0

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3/16/2020 11:43:45 AM



#10

1,1-Dichloroethene

Concen: 2.779 ug/l

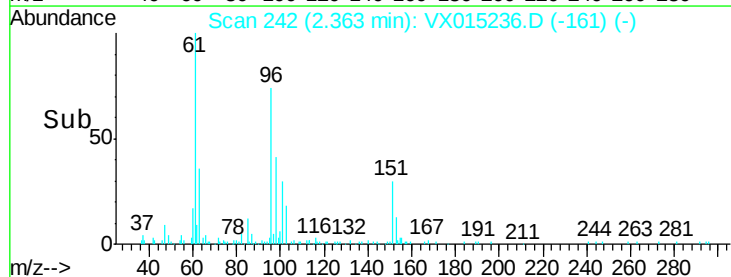
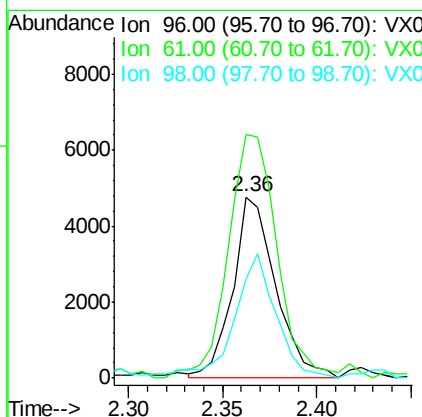
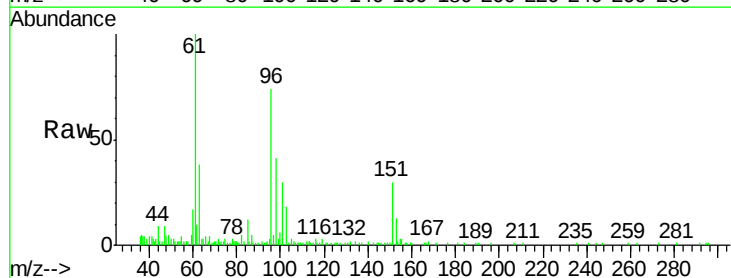
RT: 2.36 min Scan# 242

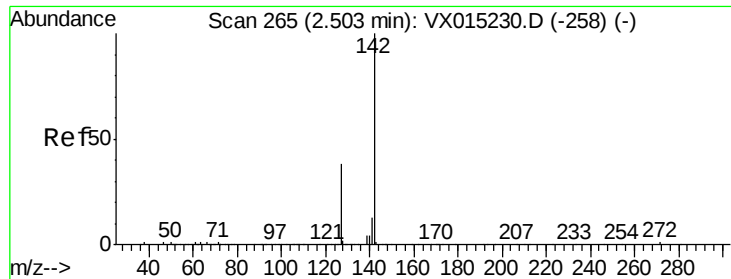
Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	96	Resp:	7541
Ion Ratio	Lower	Upper	
96	100		
61	130.1	126.2	189.2
98	55.0	52.1	78.1





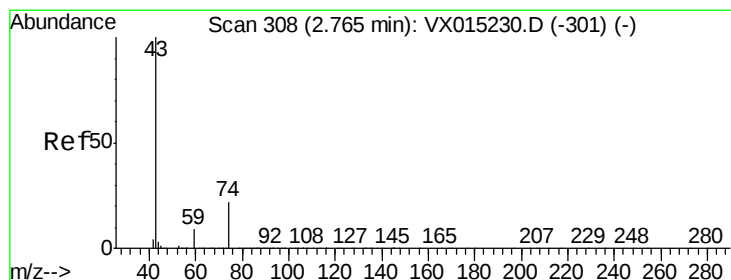
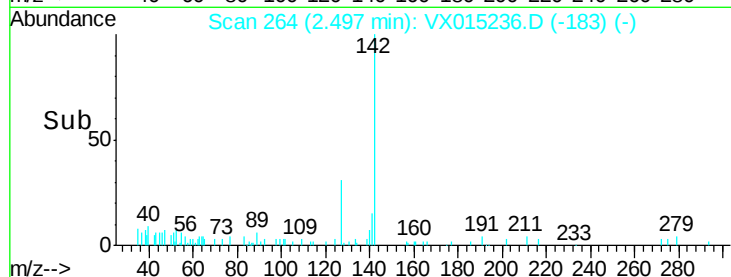
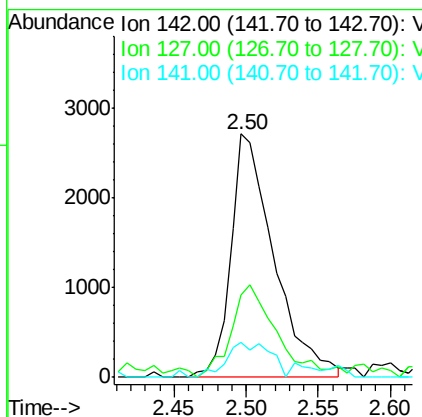
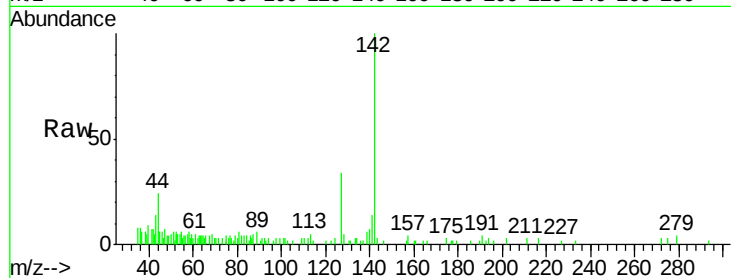
#11
Methvl Iodide
Concen: 2.031 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	31.0	18.9	56.9
141	12.0	6.6	19.7

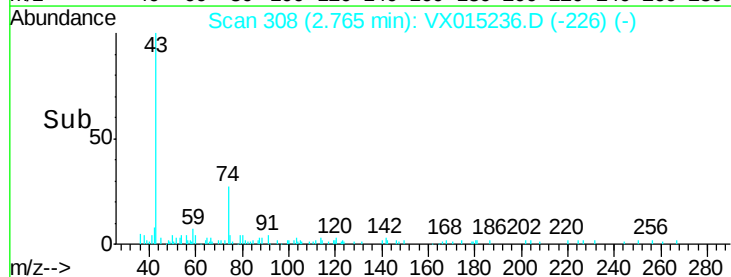
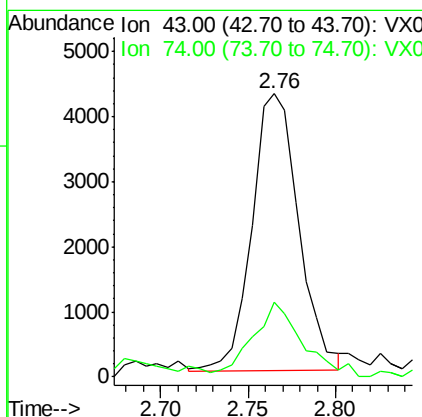
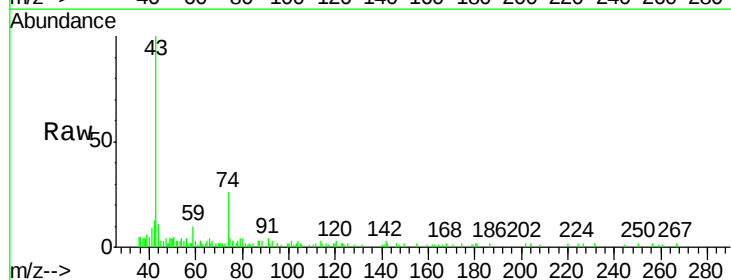
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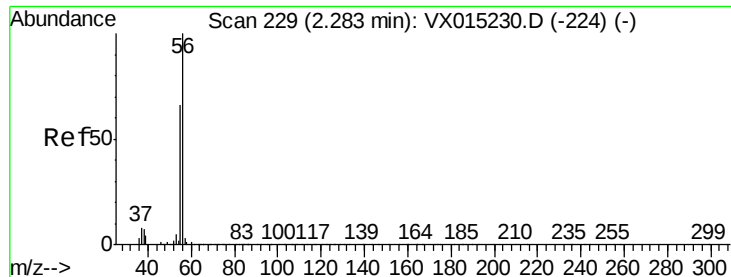
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#12
Methyl Acetate
Concen: 2.373 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.0	27.0





#13

Acrolein

Concen: 14.377 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 7599

Ion Ratio Lower Upper

56 100

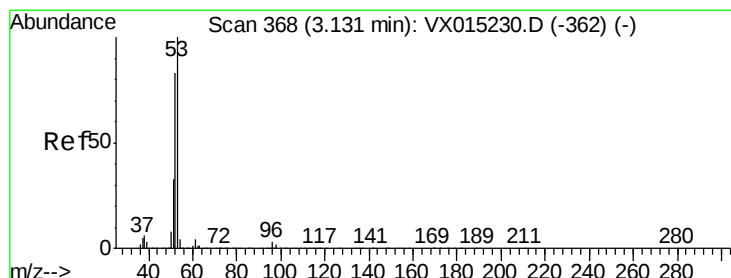
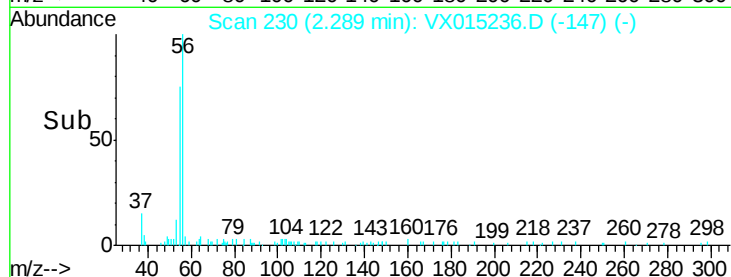
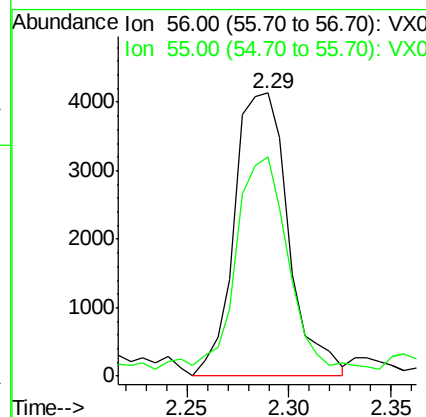
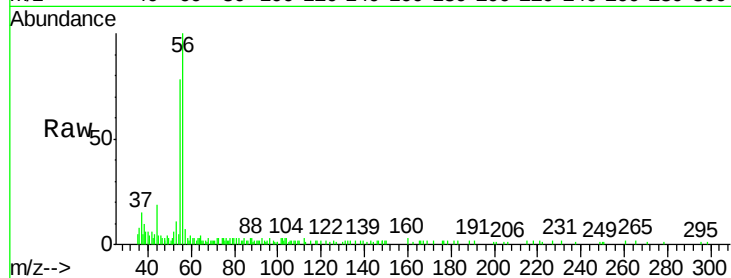
55 68.6 55.1 82.7

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#14

Acrylonitrile

Concen: 11.798 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

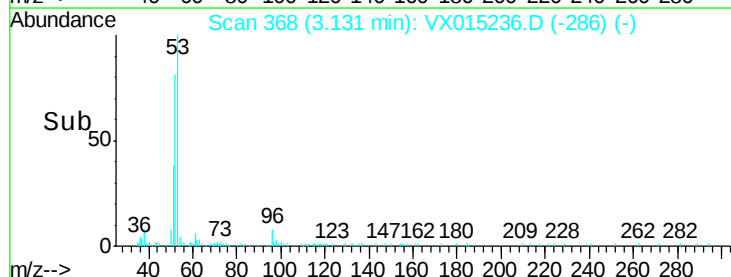
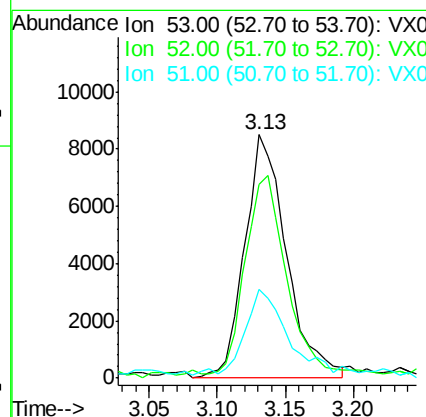
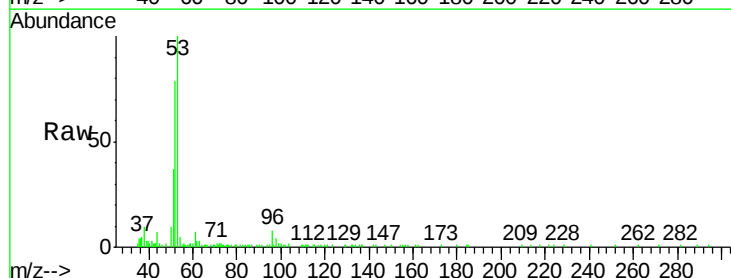
Tgt Ion: 53 Resp: 18324

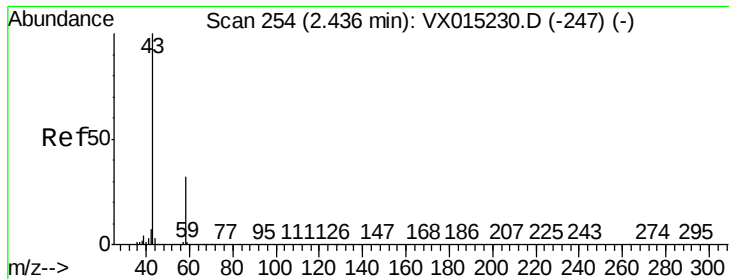
Ion Ratio Lower Upper

53 100

52 81.4 41.5 124.5

51 31.8 17.7 53.1





#15

Acetone

Concen: 12.380 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 58 Resp: 5642

Ion Ratio Lower Upper

58 100

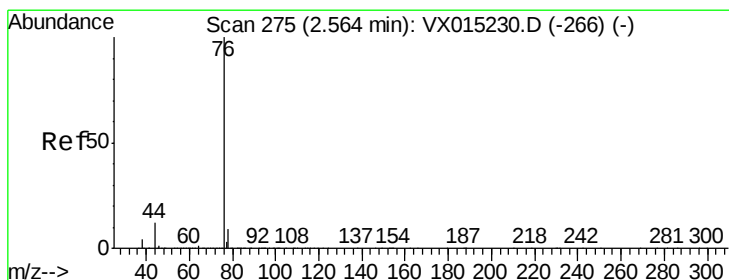
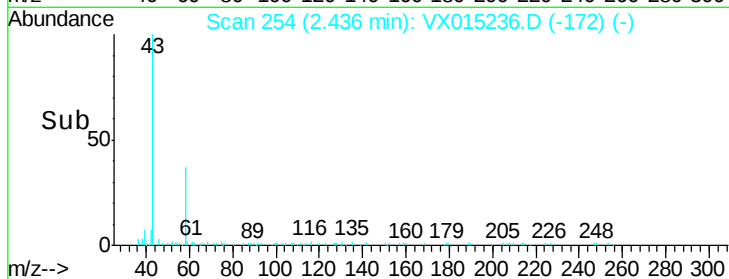
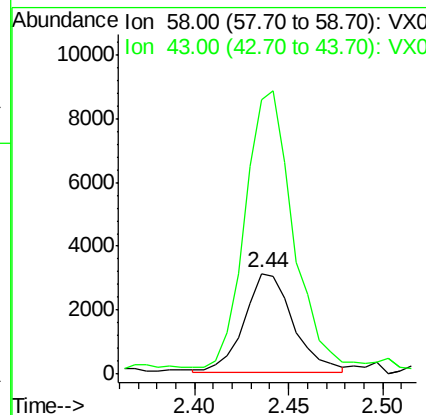
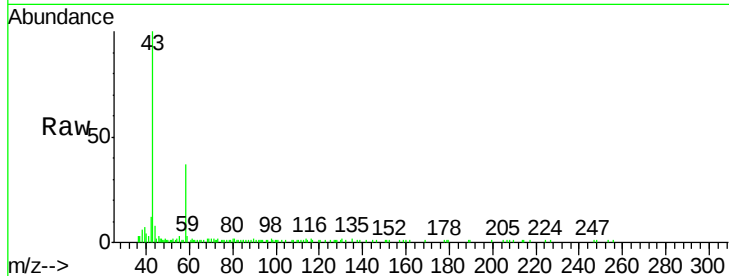
43 279.4 248.7 373.1

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#16

Carbon Disulfide

Concen: 2.651 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015236.D

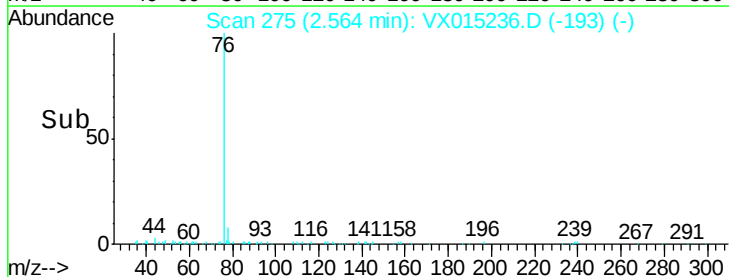
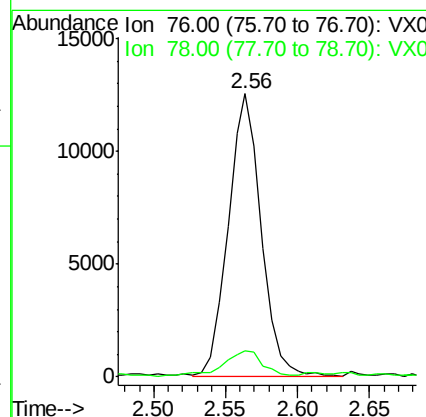
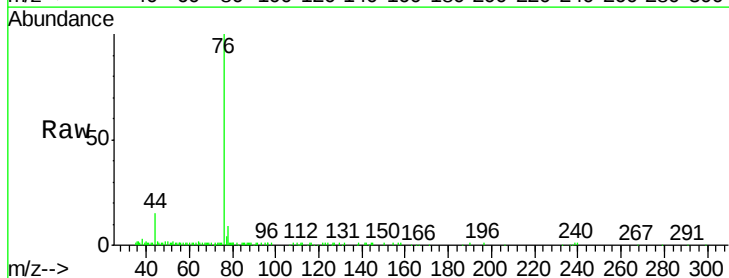
Acq: 12 Mar 2020 15:44

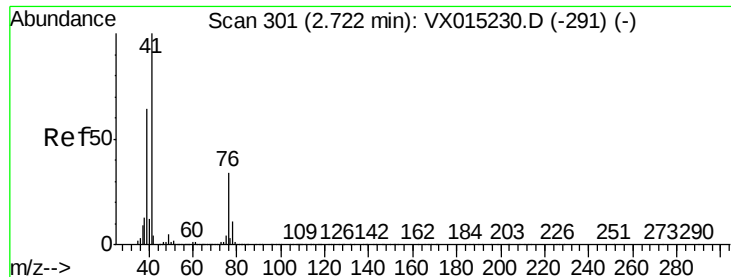
Tgt Ion: 76 Resp: 20140

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9





#17

Allvl chloride

Concen: 2.311 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

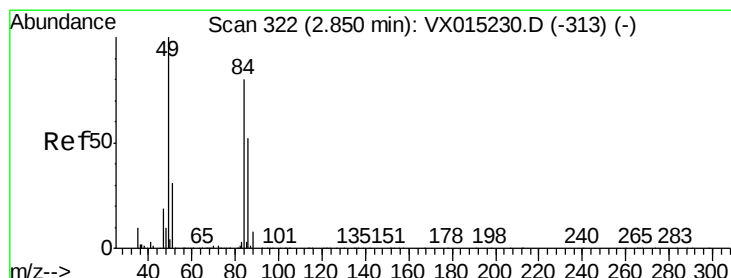
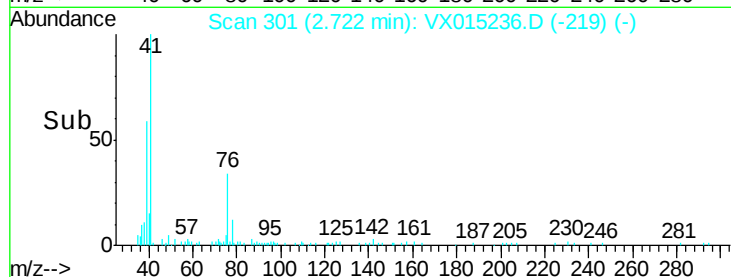
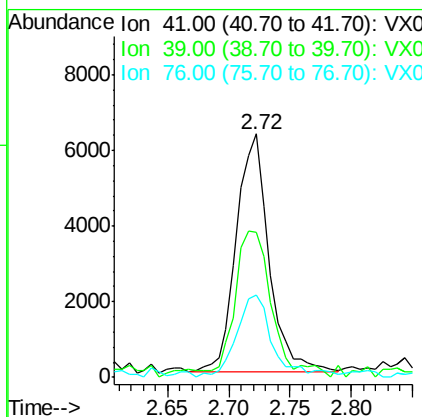
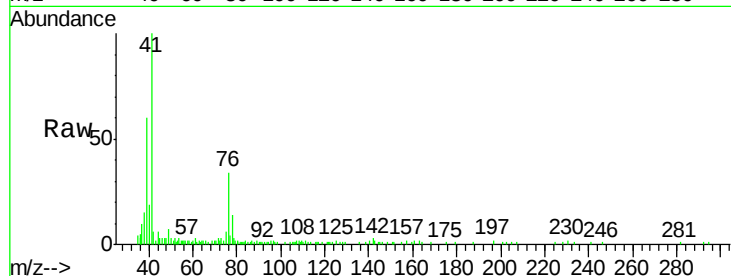
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	41	Resp:	11635
Ion Ratio	Lower	Upper	
41	100		
39	57.6	32.1	96.5
76	33.5	17.2	51.5

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#18

Methylene Chloride

Concen: 2.736 ug/l

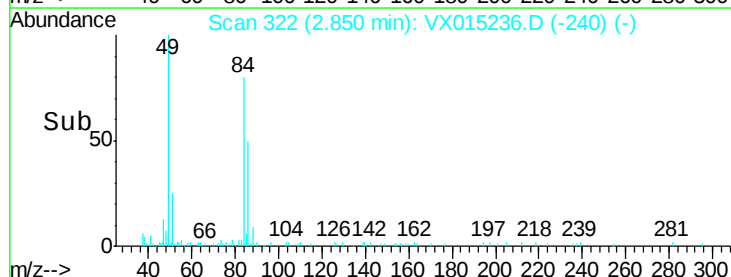
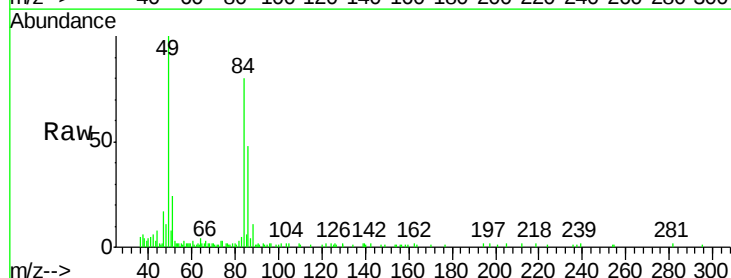
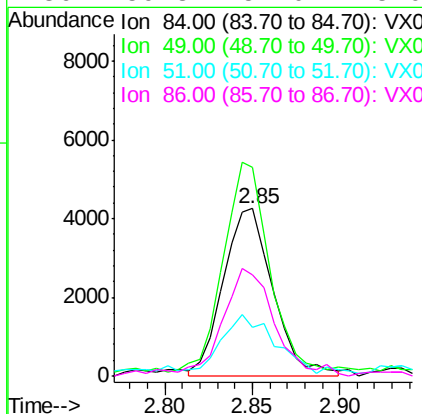
RT: 2.85 min Scan# 322

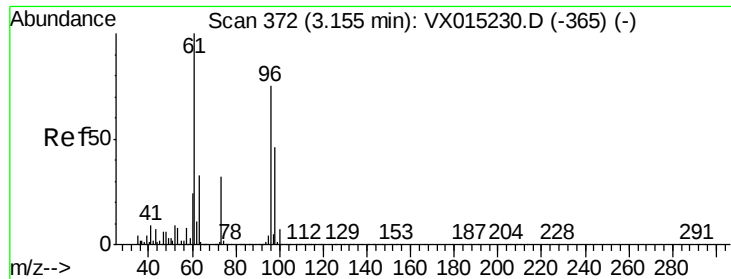
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	84	Resp:	8390
Ion Ratio	Lower	Upper	
84	100		
49	122.4	99.5	149.3
51	26.6	31.0	46.6#
86	59.3	52.0	78.0





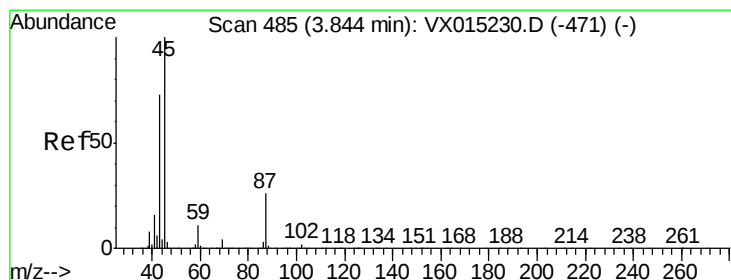
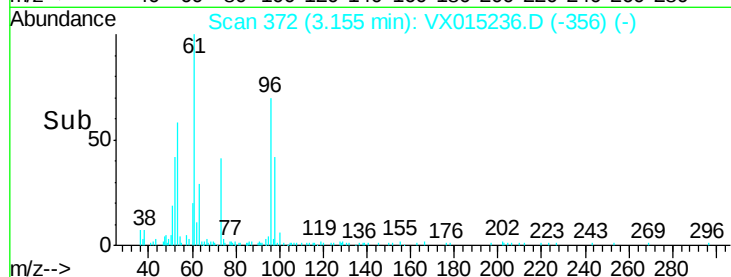
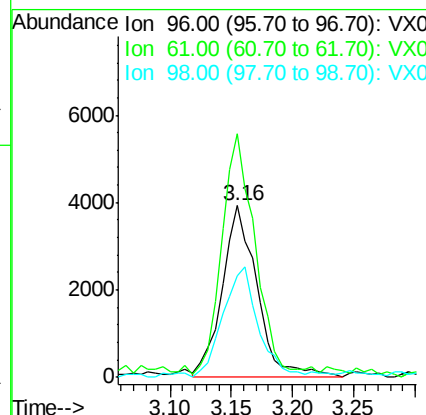
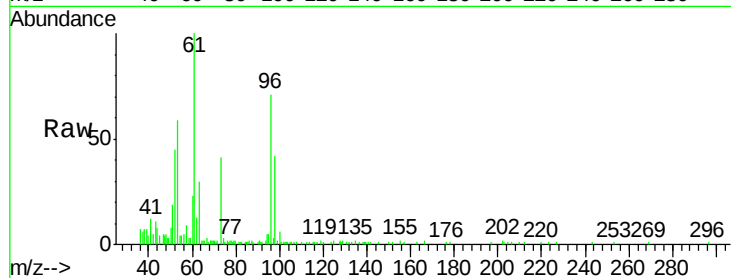
#19
trans-1,2-Dichloroethene
Concen: 2.681 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	106.3	159.5
98	59.2	49.1	73.7

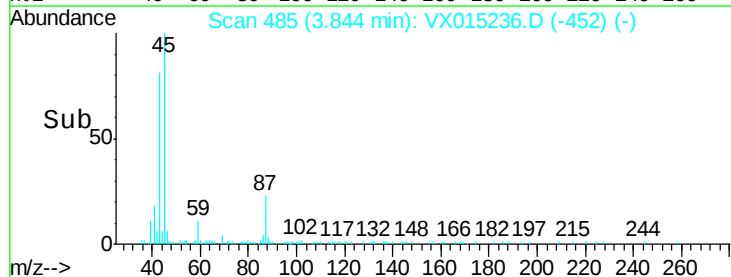
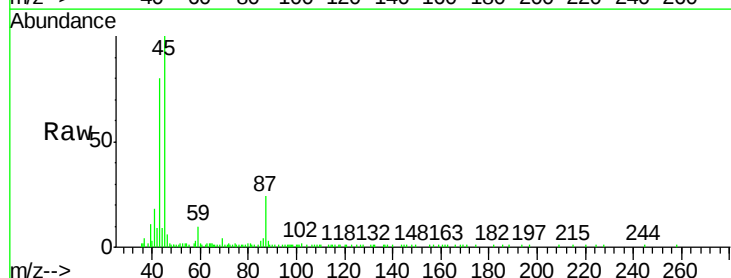
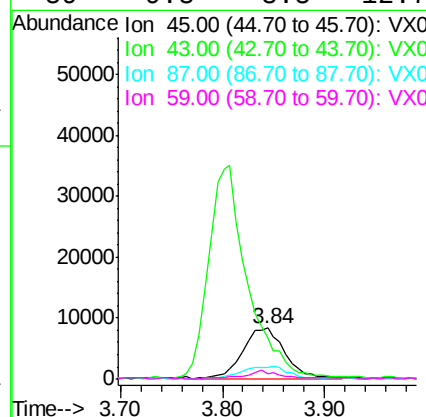
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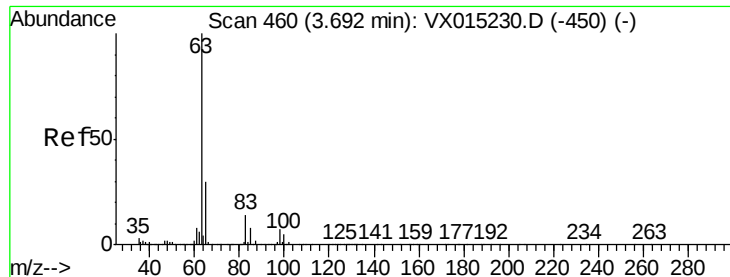
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#20
Diisopropyl ether
Concen: 2.334 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.2	58.6	87.8
87	23.4	21.0	31.4
59	9.8	8.5	12.7





#21

1,1-Dichloroethane

Concen: 2.419 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

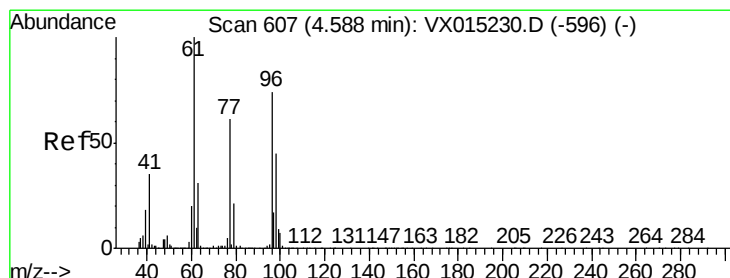
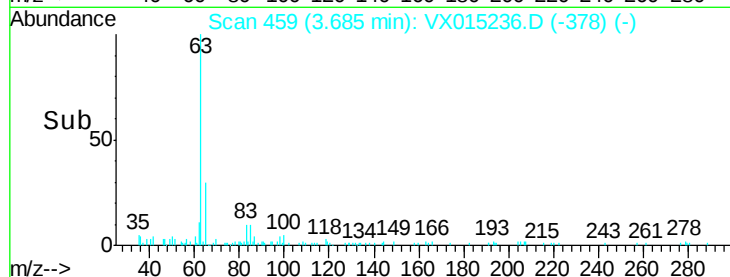
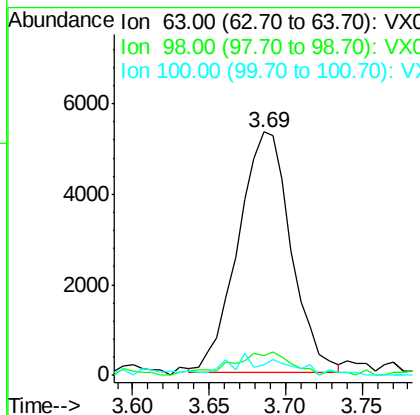
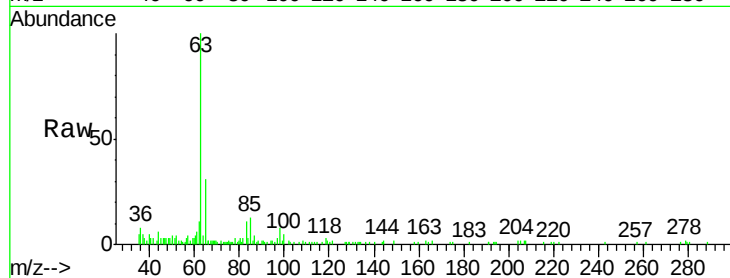
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	63	Resp:	12814
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.5	10.6
100	3.2	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 2.442 ug/l

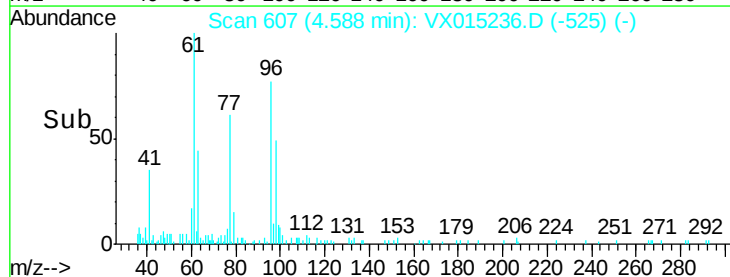
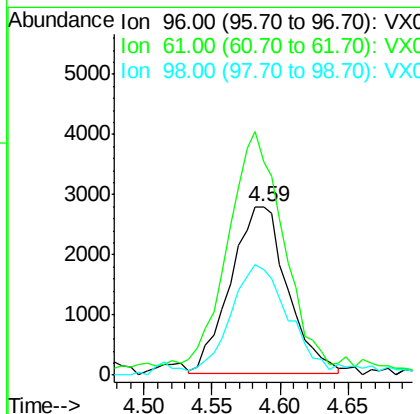
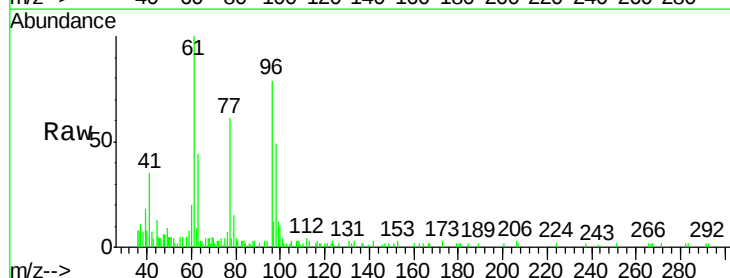
RT: 4.59 min Scan# 607

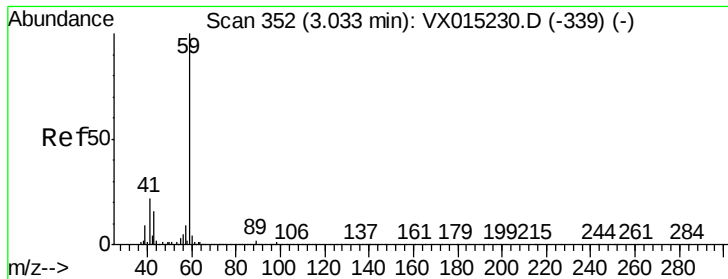
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	96	Resp:	8078
Ion Ratio	Lower	Upper	
96	100		
61	130.8	111.4	167.0
98	67.3	50.1	75.1





#23

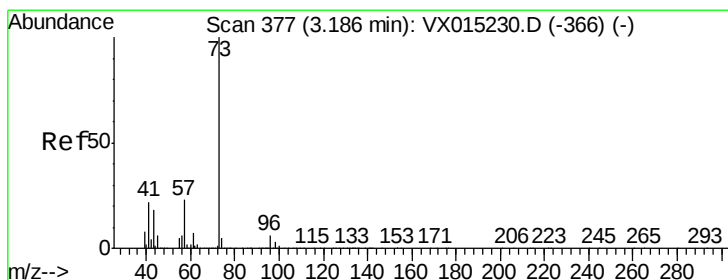
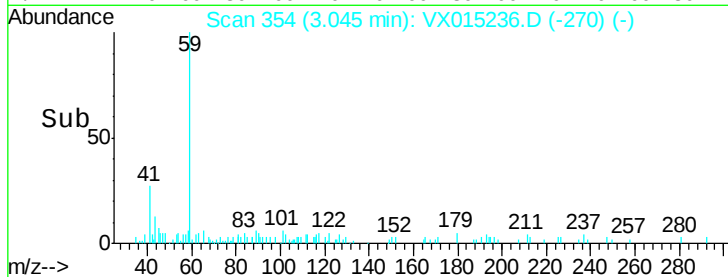
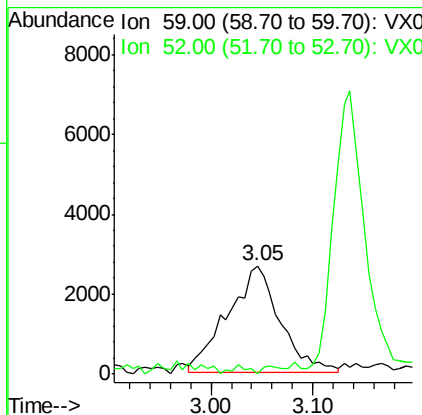
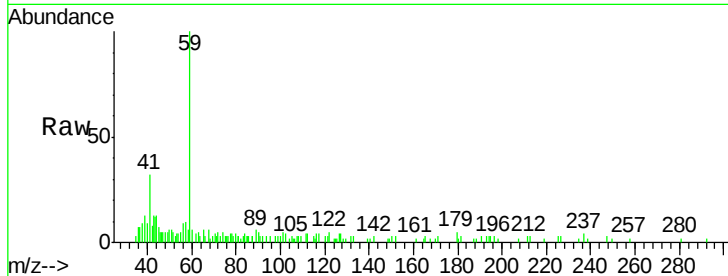
tert-Butyl Alcohol
 Concen: 15.674 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
59	100		
52	2.6	0.4	0.6#

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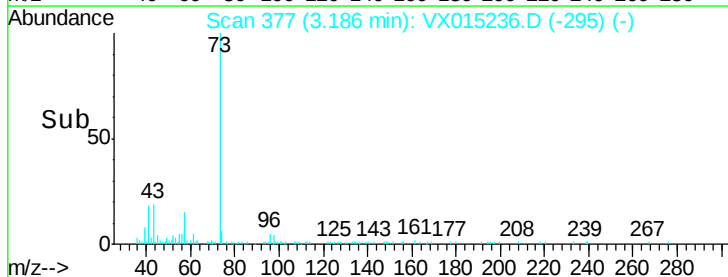
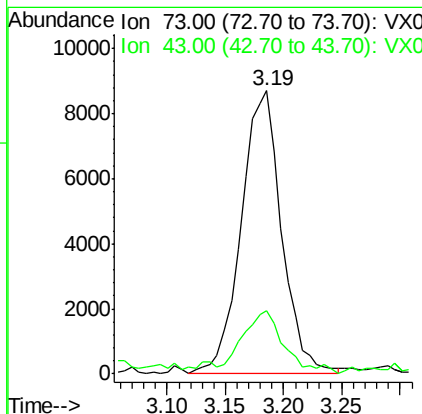
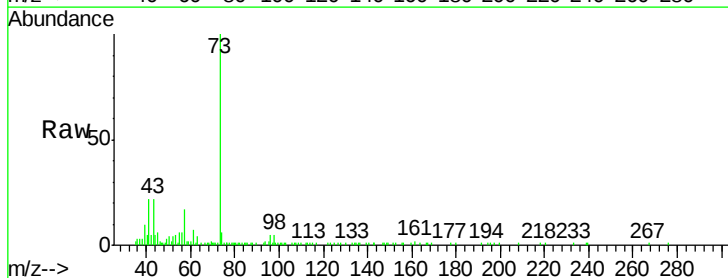
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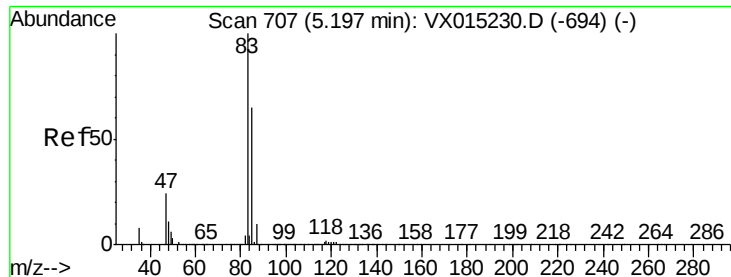


#24

Methyl tert-Butyl Ether
 Concen: 2.405 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.9	23.9





#25

Chloroform

Concen: 2.464 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 83 Resp: 12416

Ion Ratio Lower Upper

83 100

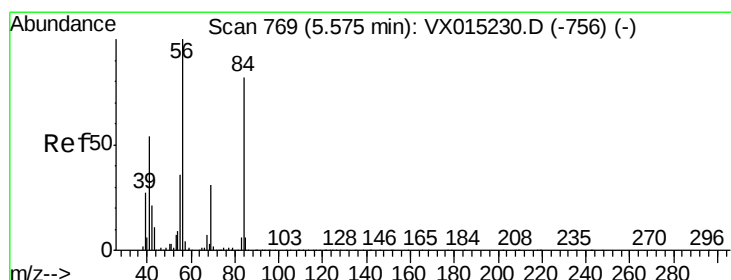
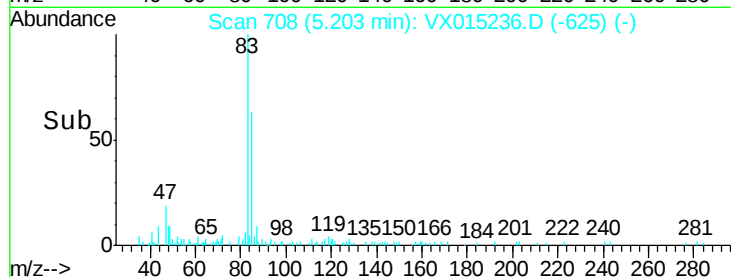
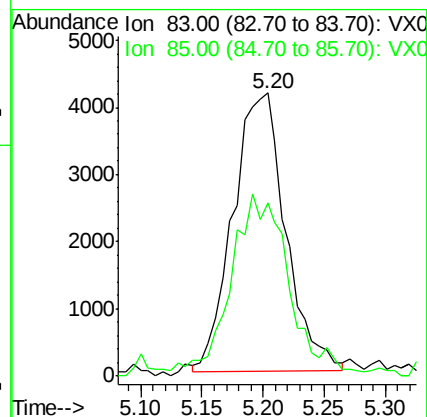
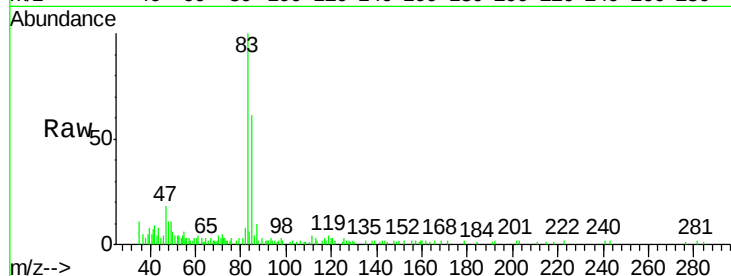
85 60.7 51.4 77.2

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#26

Cyclohexane

Concen: 2.565 ug/l m

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

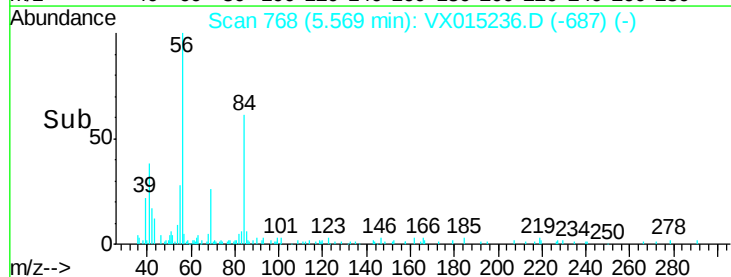
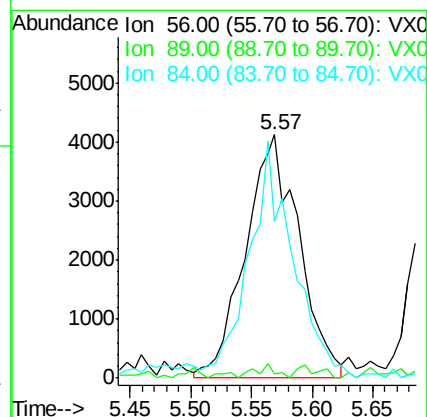
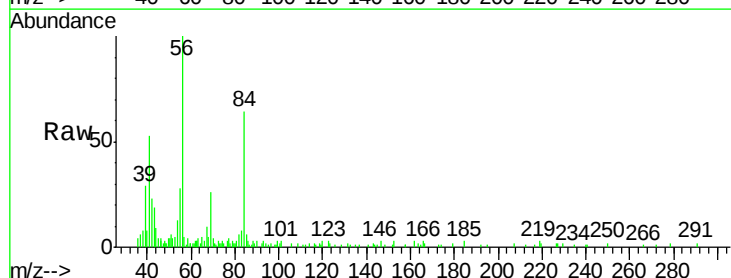
Tgt Ion: 56 Resp: 12628

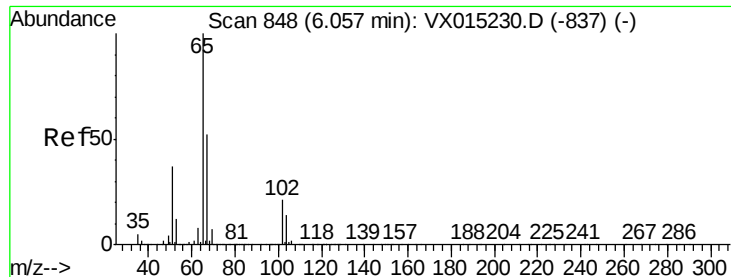
Ion Ratio Lower Upper

56 100

89 1.2 0.1 0.1#

84 79.5 68.2 102.4





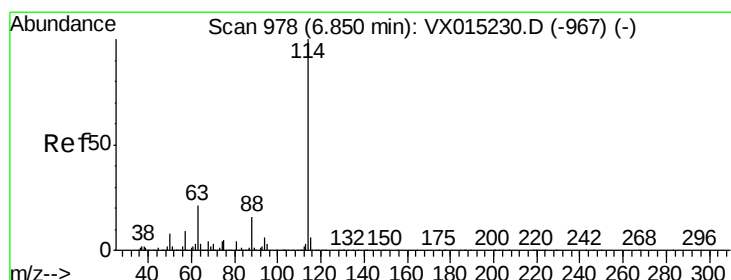
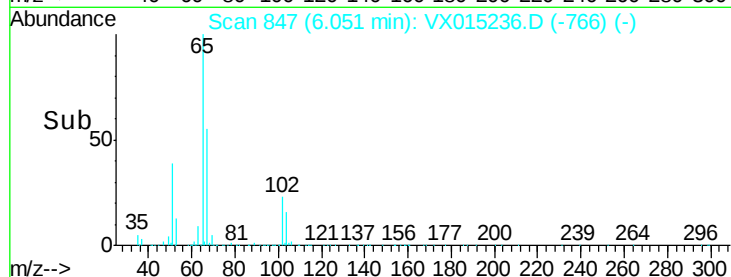
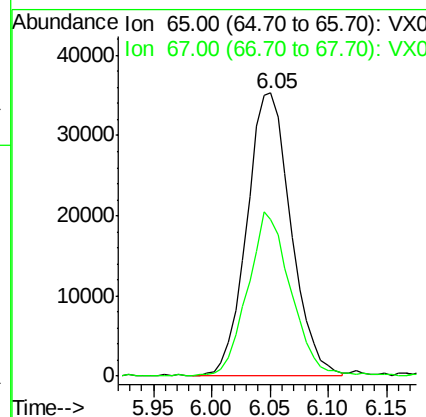
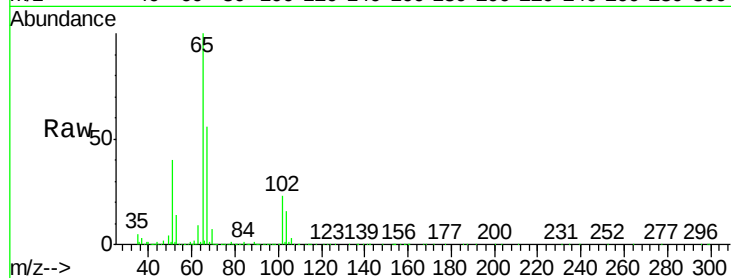
#27
 1,2-Dichloroethane-d4
 Concen: 29.680 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.8	43.5	65.3

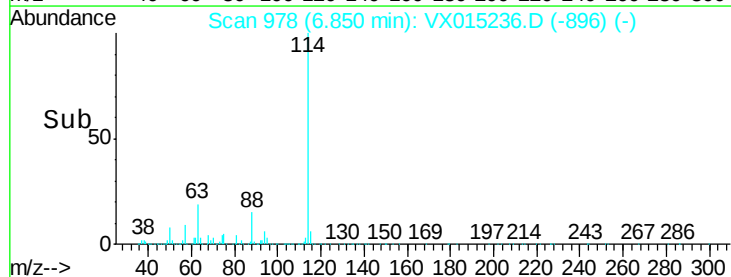
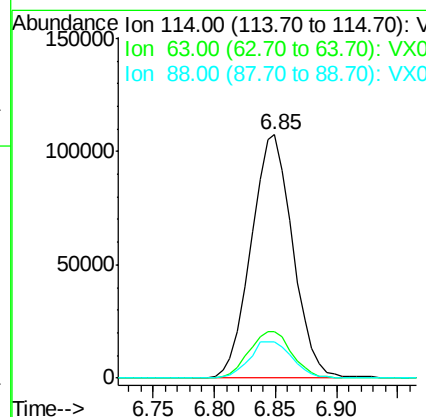
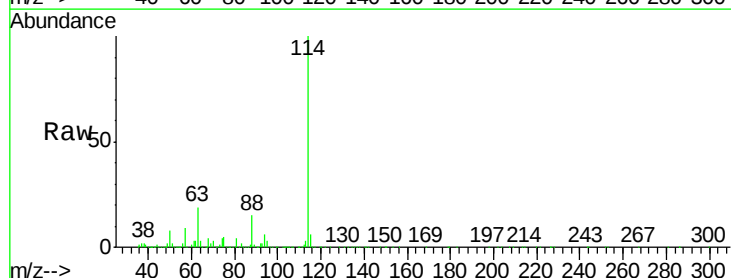
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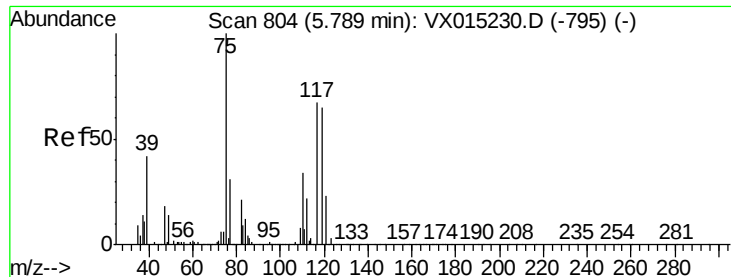
MMDadoda
 3/16/2020 11:43:45 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.6	24.8
88	15.6	12.6	19.0





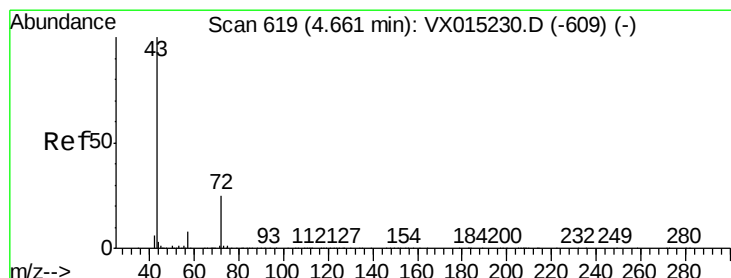
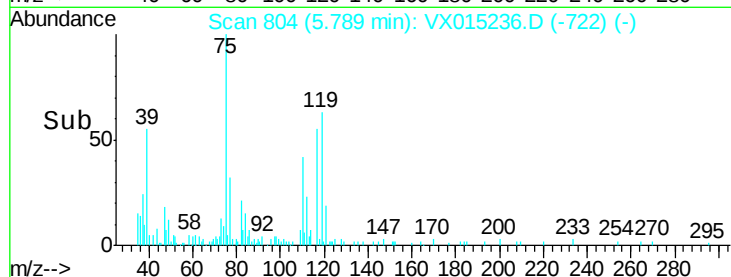
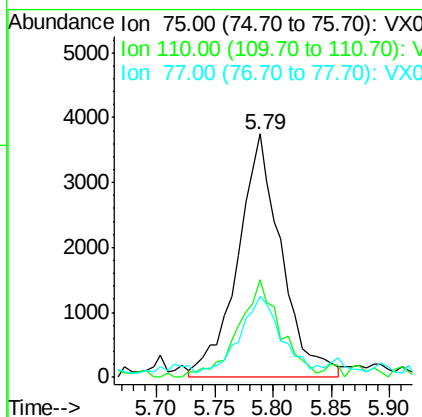
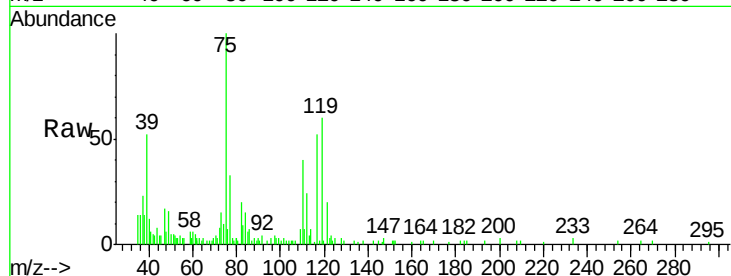
#29
 1,1-Dichloropropene
 Concen: 2.523 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion:	75	Resp:	9808
Ion	Ratio	Lower	Upper
75	100		
110	38.3	0.0	73.6
77	30.6	0.0	63.4

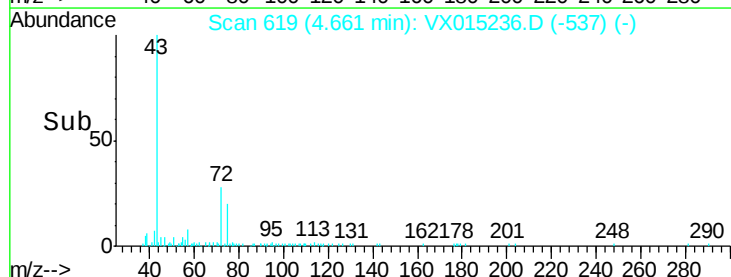
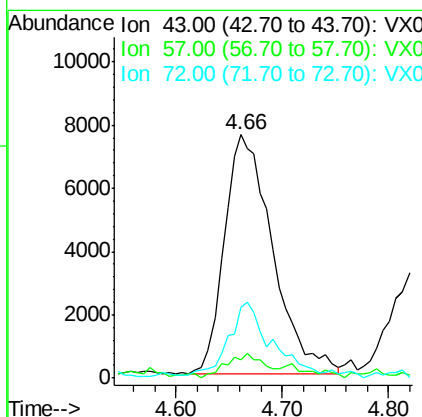
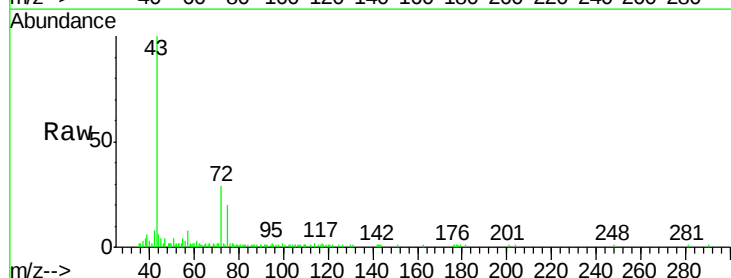
Manual Integrations
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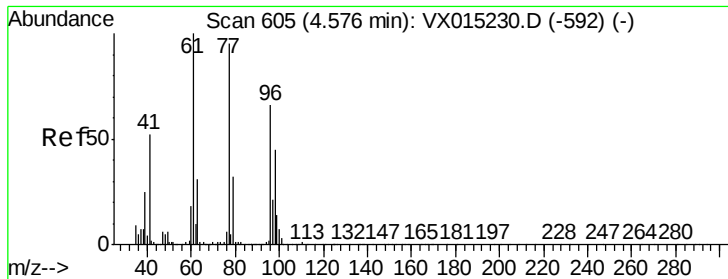
MMDadoda
 3/16/2020 11:43:45 AM



#30
 2-Butanone
 Concen: 11.456 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion:	43	Resp:	23844
Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.4	9.6
72	26.0	19.9	29.9





#31

2,2-Dichloropropane

Concen: 2.456 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 77 Resp: 9807

Ion Ratio Lower Upper

77 100

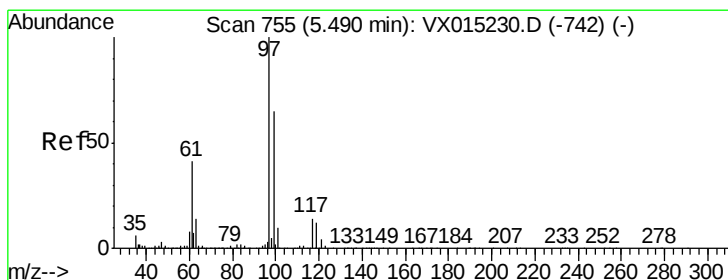
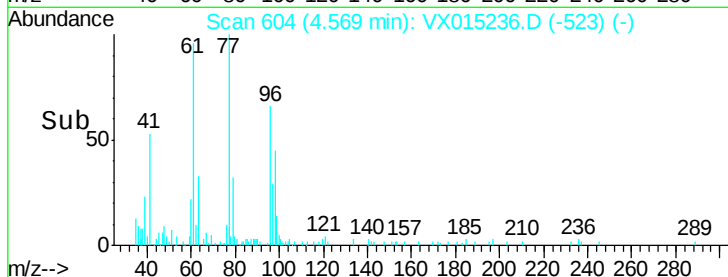
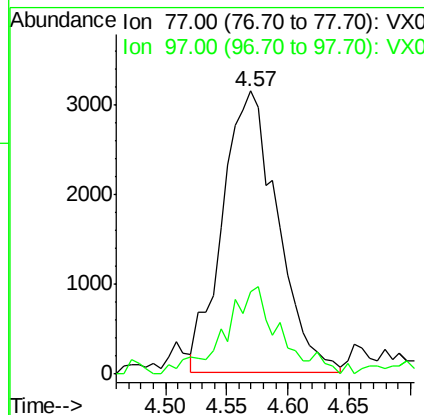
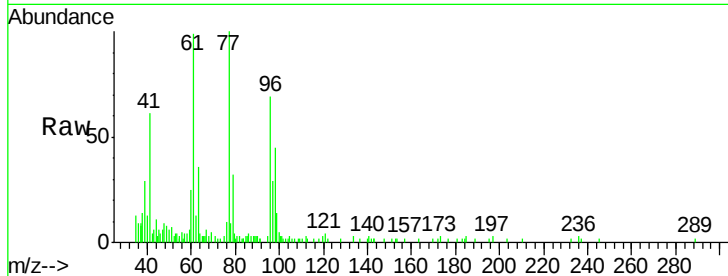
97 20.8 19.8 29.6

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#32

1,1,1-Trichloroethane

Concen: 2.149 ug/l m

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

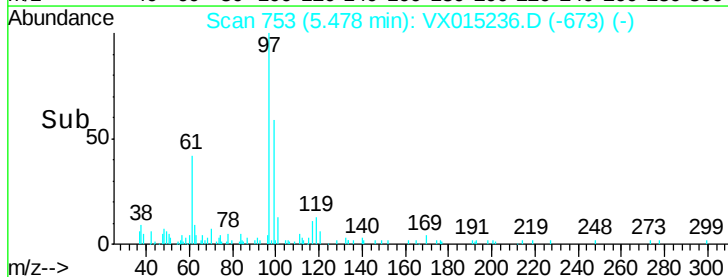
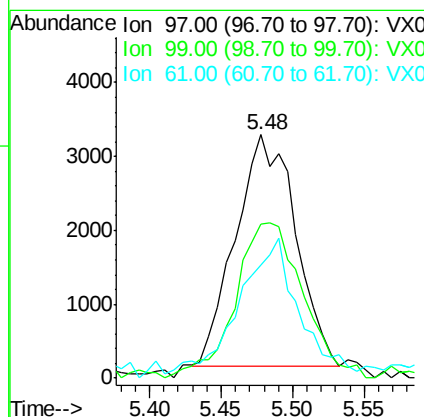
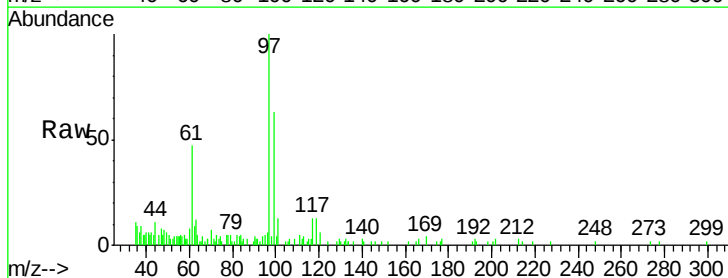
Tgt Ion: 97 Resp: 9090

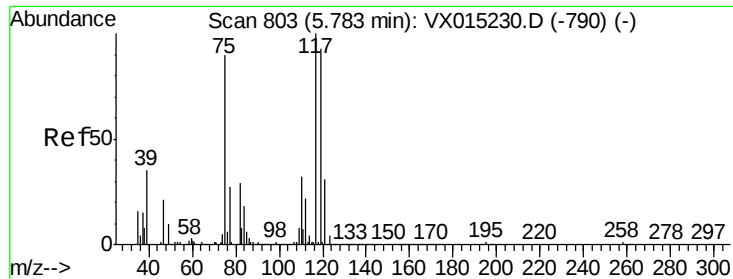
Ion Ratio Lower Upper

97 100

99 75.3 52.0 78.0

61 52.8 35.0 52.6#





#33

Carbon Tetrachloride

Concen: 2.452 ug/l

RT: 5.76 min Scan# 800

Delta R.T. -0.02 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

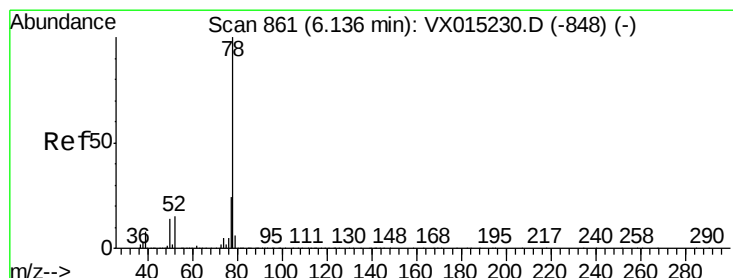
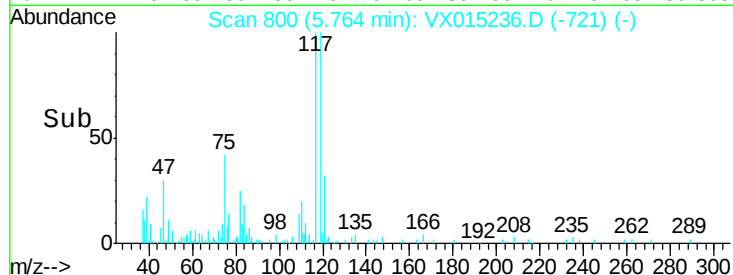
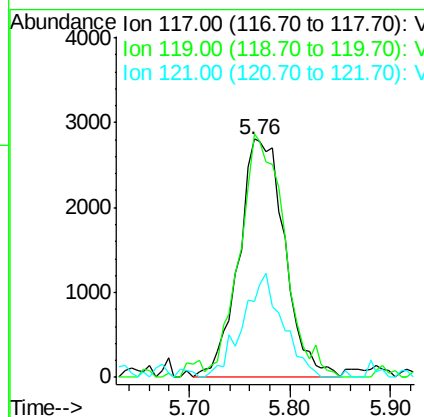
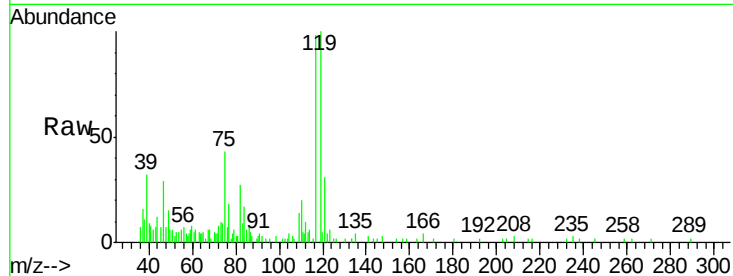
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	117	Resp:	8876
Ion	Ratio	Lower	Upper
117	100		
119	102.3	74.2	111.4
121	31.7	24.3	36.5

Manual Integrations
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#34

Benzene

Concen: 2.483 ug/l

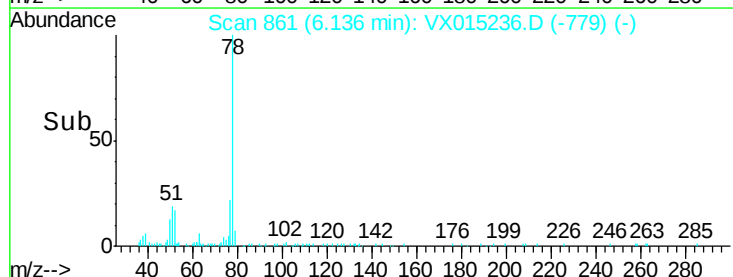
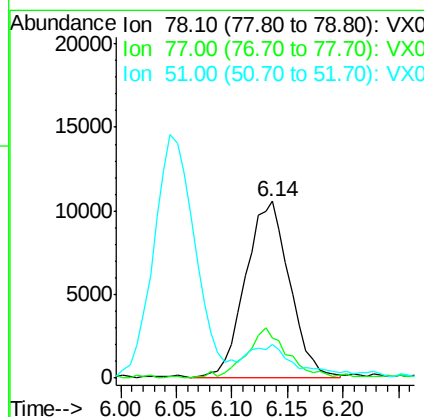
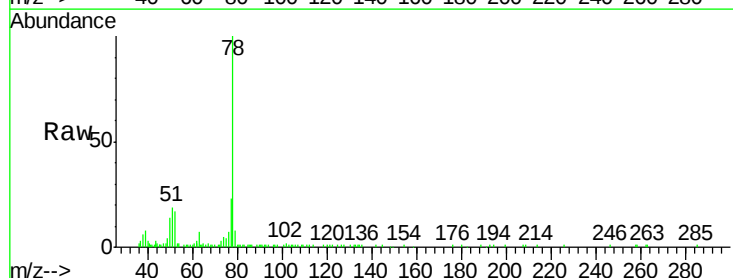
RT: 6.14 min Scan# 861

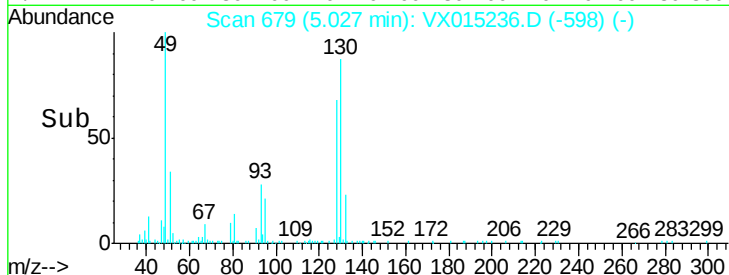
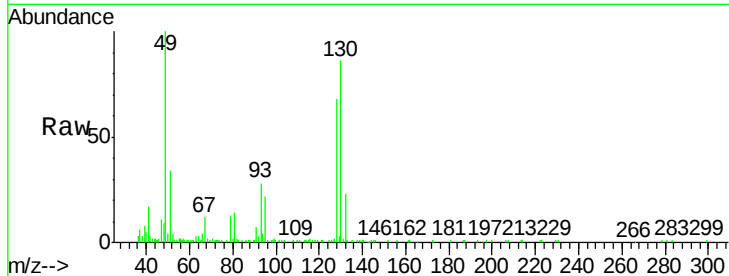
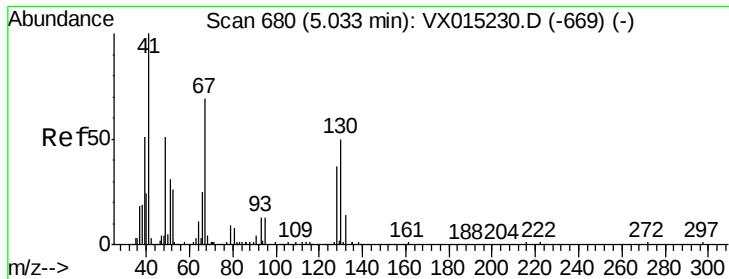
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

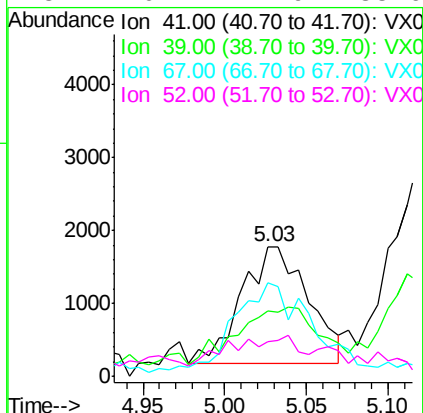
Tgt Ion:	78	Resp:	29245
Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.1	28.7
51	15.3	13.4	20.2





#35
Methacrylonitrile
Concen: 2.029 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

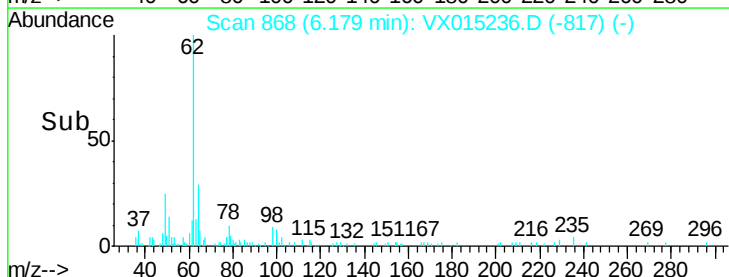
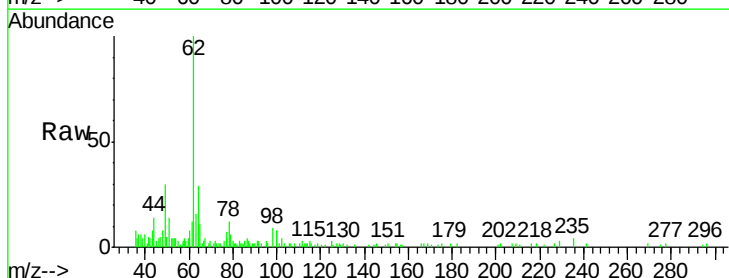
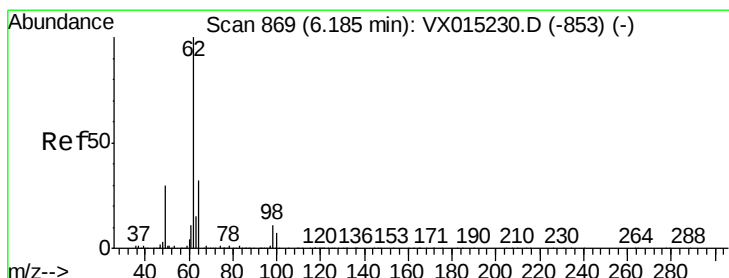
Tot Ion:	41	Resp:	4566
Ion	Ratio	Lower	Upper
41	100		
39	45.5	25.7	77.1
67	72.0	34.3	102.8
52	20.4	12.9	38.6



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

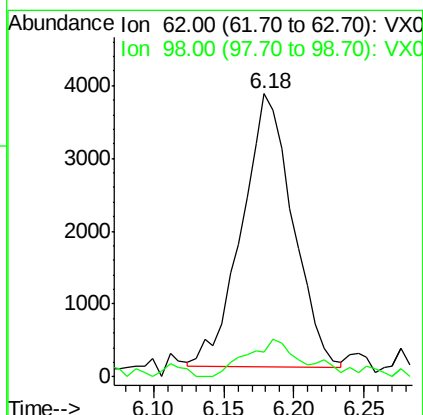
Manual Integrations
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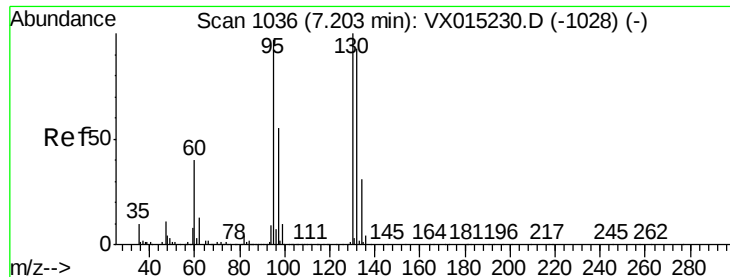
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.418 ug/l m
RT: 6.18 min Scan# 868
Delta R.T. -0.19 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion:	62	Resp:	9499
Ion	Ratio	Lower	Upper
62	100		
98	0.3	8.4	12.6#





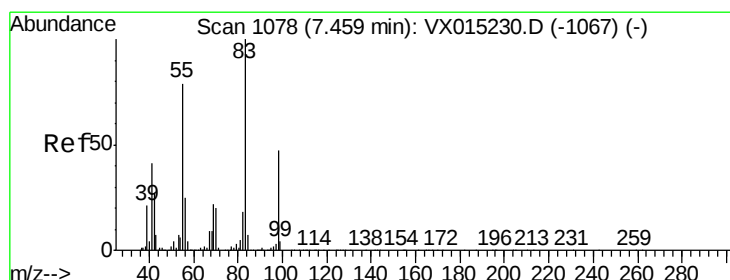
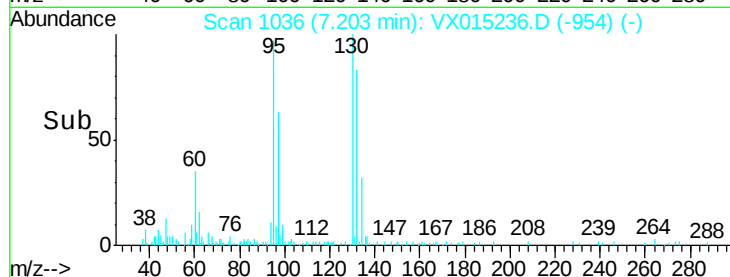
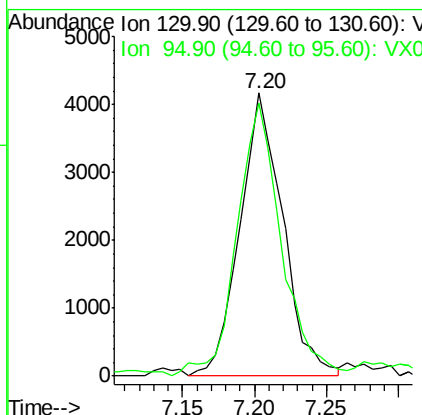
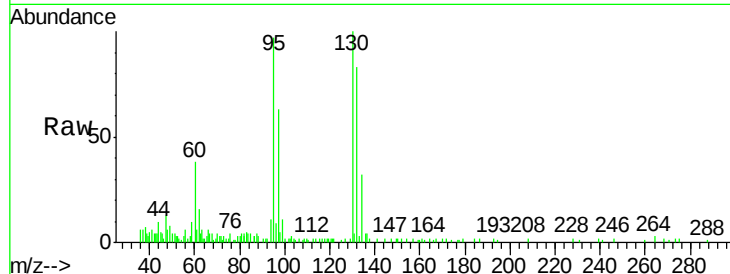
#37
 Trichloroethene
 Concen: 2.644 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
130	100		
95	94.2	77.4	116.0

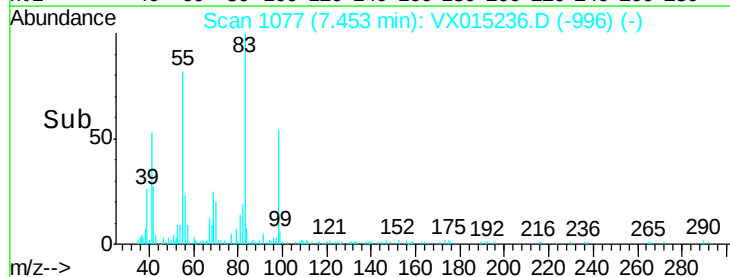
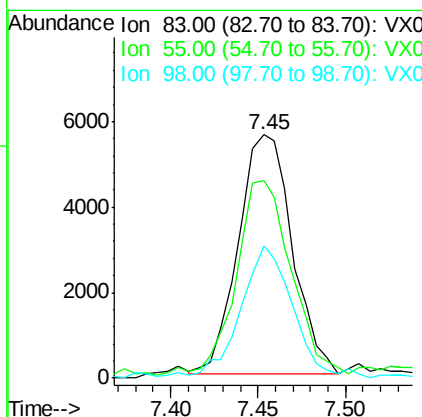
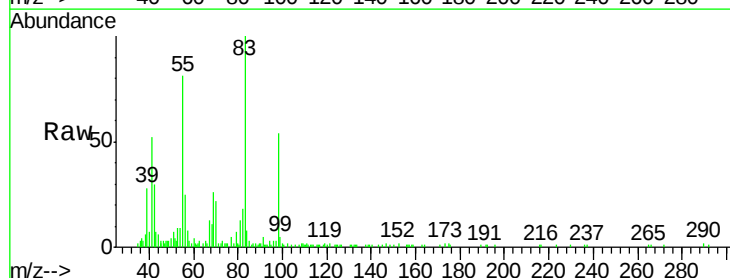
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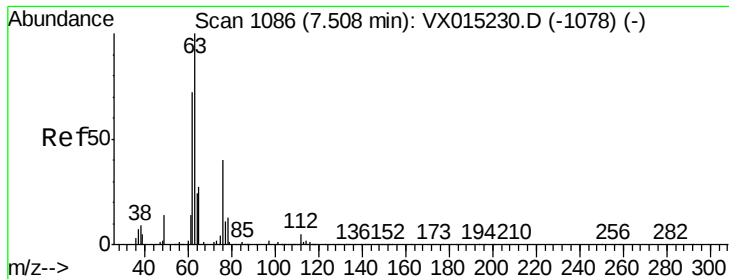
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#38
 Methylcyclohexane
 Concen: 2.560 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.1	39.1	117.2
98	49.6	24.4	73.2





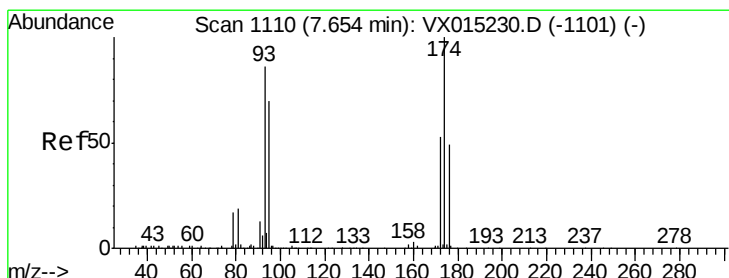
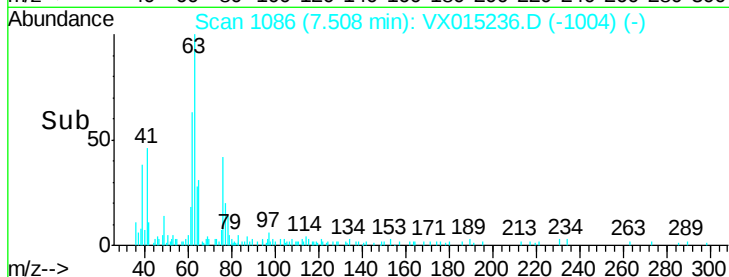
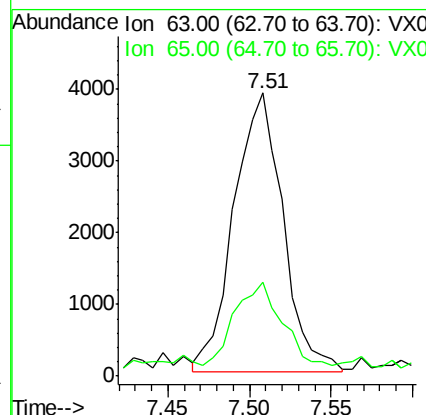
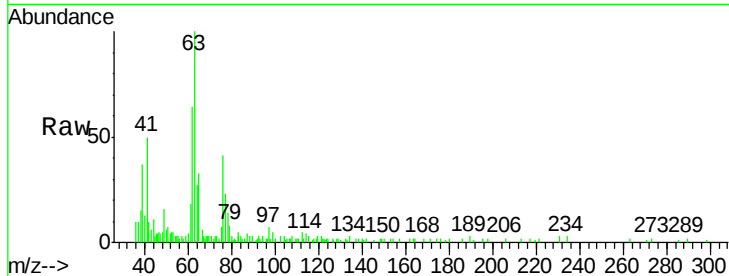
#39
 1,2-Dichloropropane
 Concen: 2.671 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.2	34.8

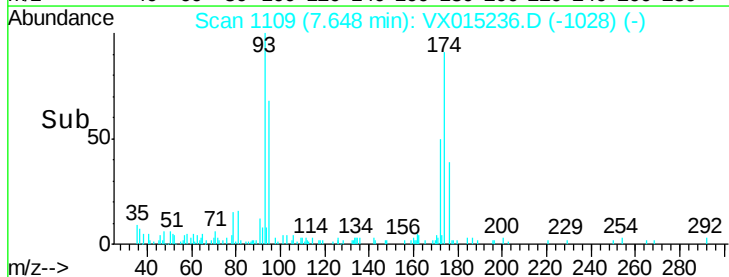
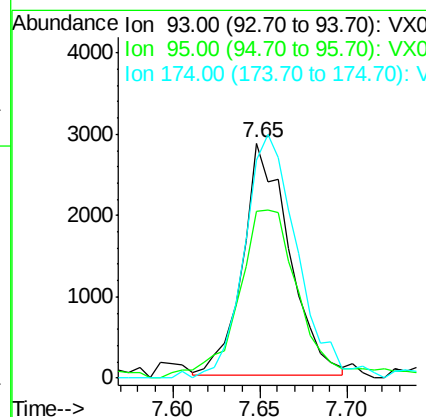
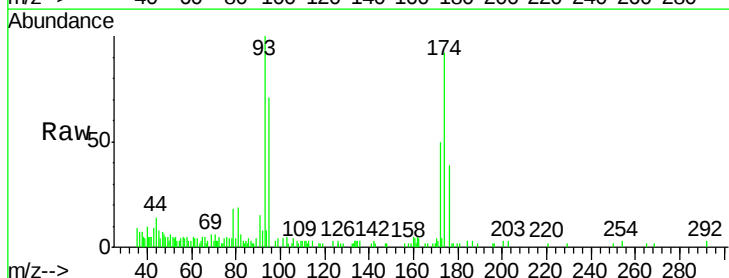
Manual Integrations
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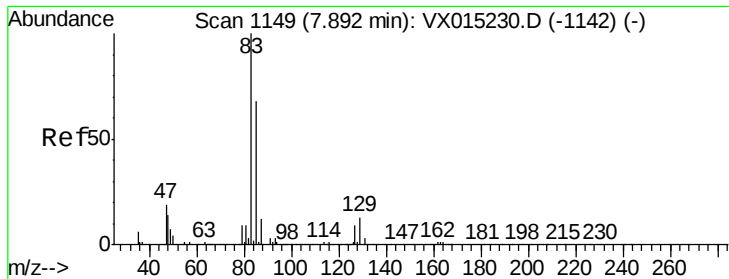
MMDadoda
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#40
 Dibromomethane
 Concen: 2.736 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.9	0.0	162.6
174	118.2	0.0	233.6





#41

Bromodichloromethane

Concen: 2.673 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

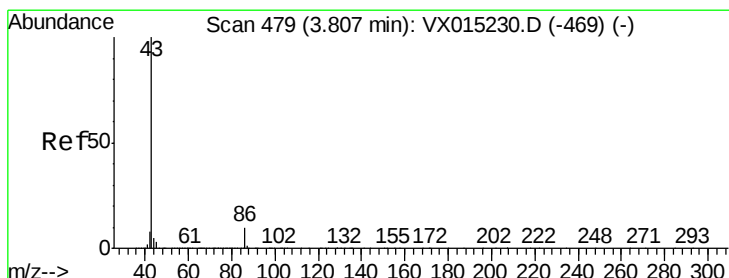
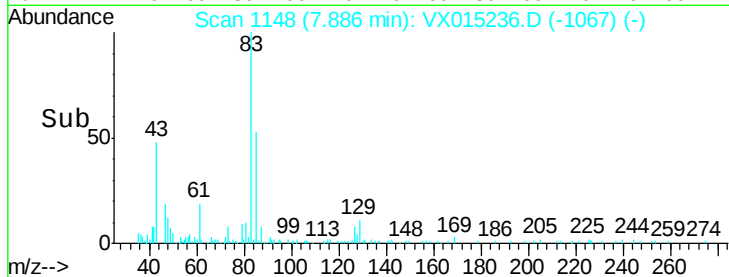
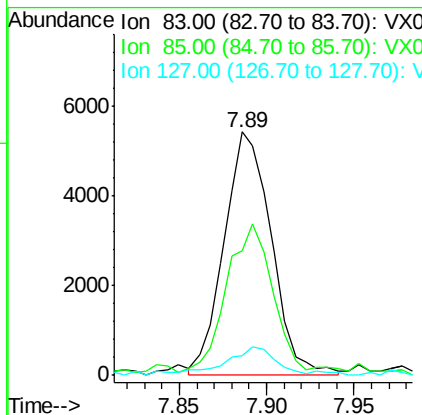
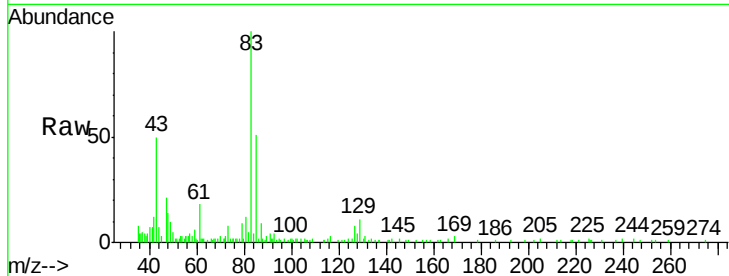
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	10222
Ion Ratio	Lower	Upper	
83	100		
85	49.7	54.2	81.4#
127	6.8	7.1	10.7#

Manual Integrations
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3/16/2020 11:43:45 AM



#42

Vinyl Acetate

Concen: 11.488 ug/l

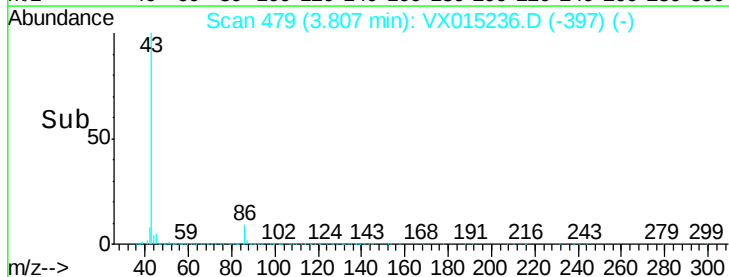
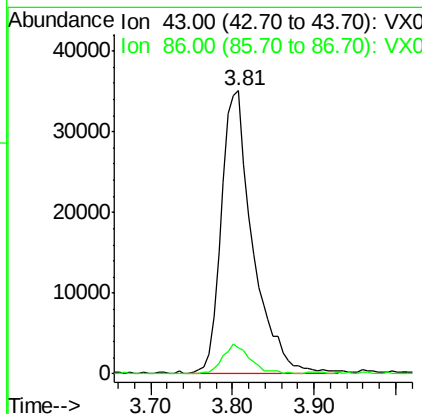
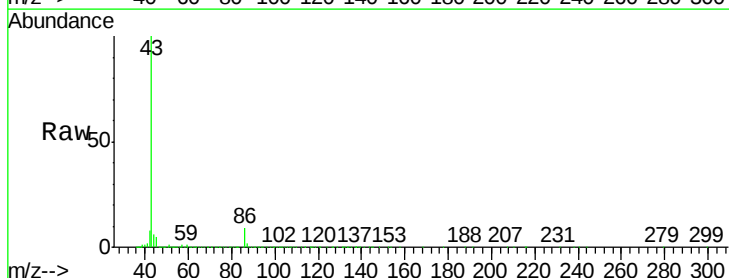
RT: 3.81 min Scan# 479

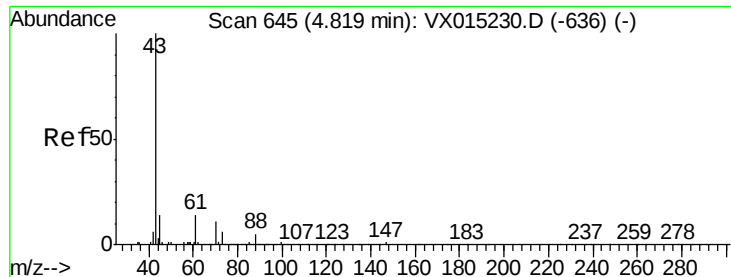
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	43	Resp:	94292
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.4	11.2





#43

Ethyl Acetate

Concen: 2.313 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 9133

Ion Ratio Lower Upper

43 100

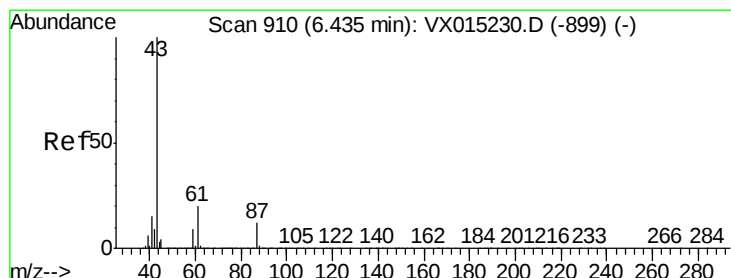
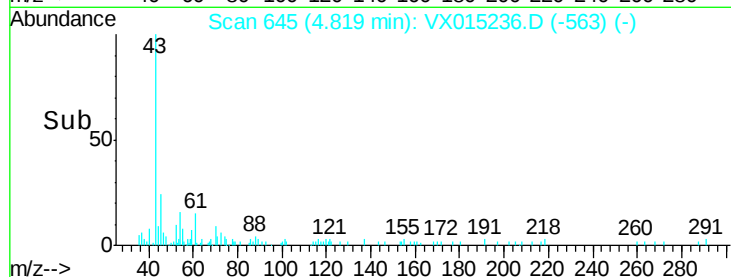
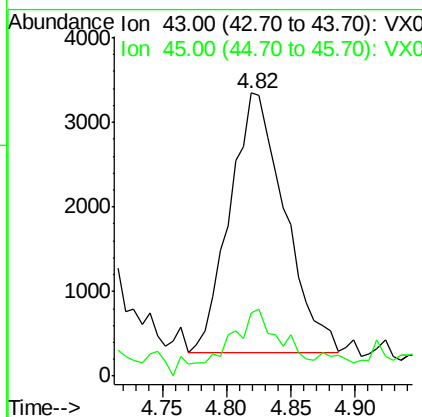
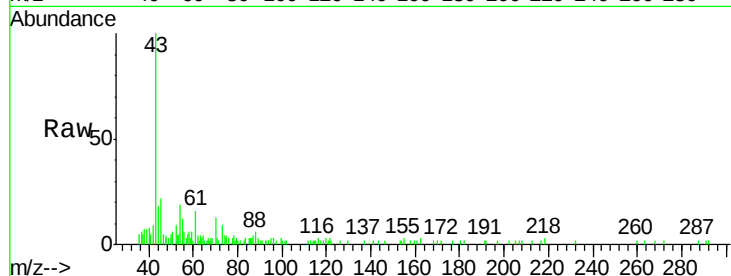
45 9.5 11.7 17.5#

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:45 AM



#44

Isopropyl Acetate

Concen: 2.287 ug/l m

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015236.D

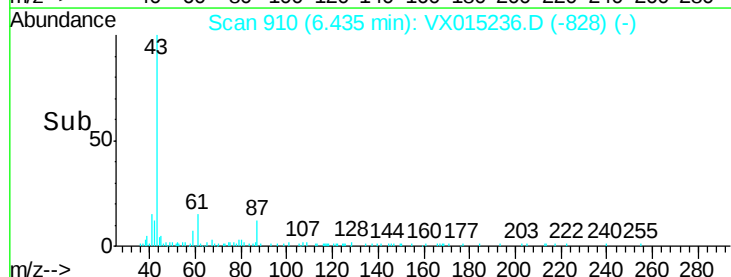
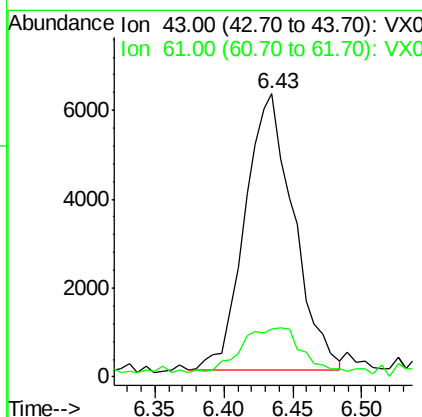
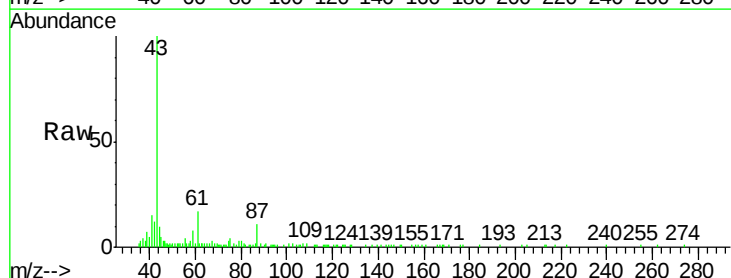
Acq: 12 Mar 2020 15:44

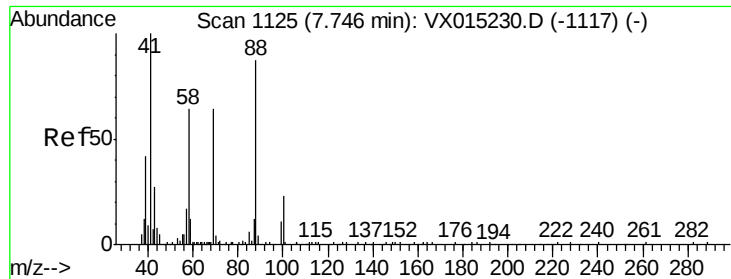
Tgt Ion: 43 Resp: 15280

Ion Ratio Lower Upper

43 100

61 0.7 17.0 25.4#





#45

1,4-Dioxane

Concen: 55.284 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

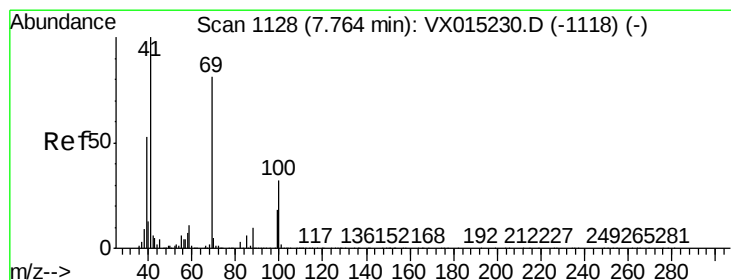
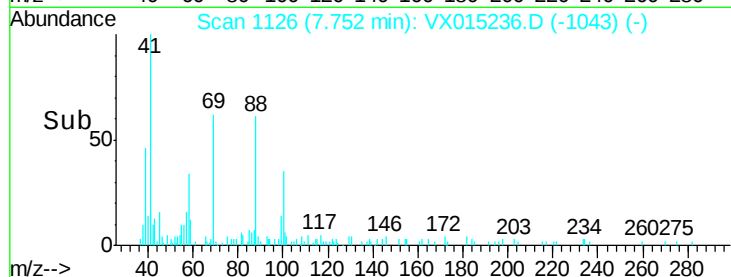
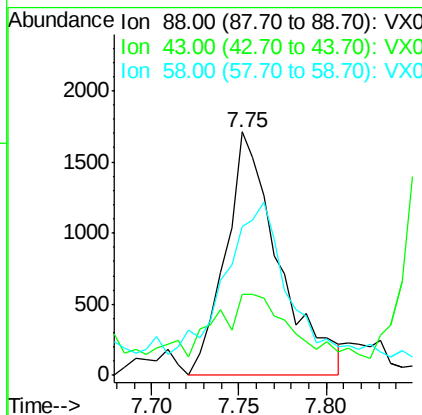
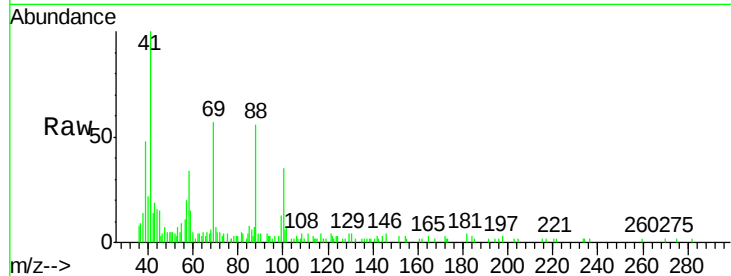
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	88	Resp:	3627
Ion	Ratio	Lower	Upper
88	100		
43	17.6	26.4	39.6#
58	66.4	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:45 AM



#46

Methyl methacrylate

Concen: 2.367 ug/l

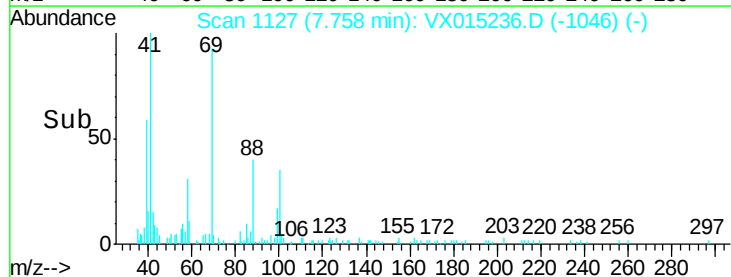
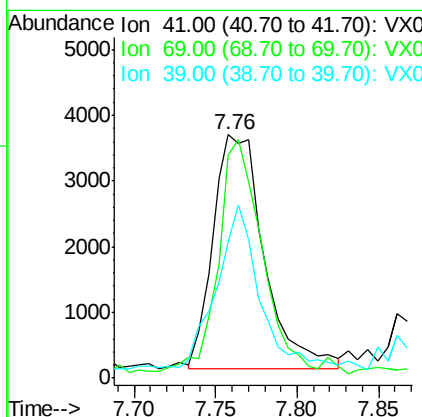
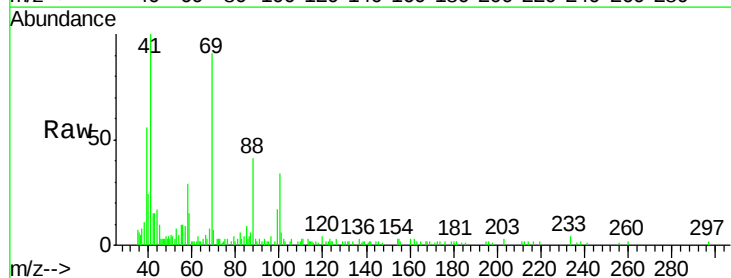
RT: 7.76 min Scan# 1127

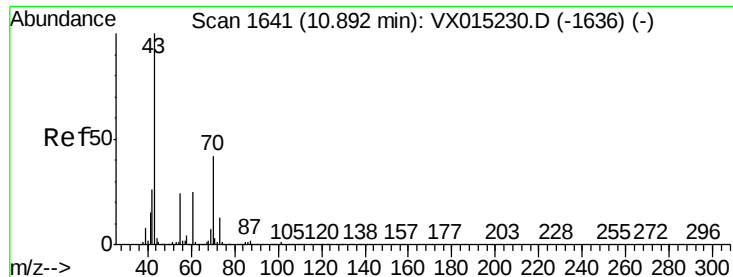
Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	41	Resp:	7797
Ion	Ratio	Lower	Upper
41	100		
69	91.4	40.5	121.4
39	53.3	26.6	79.8





#47

n-amvl Acetate

Concen: 1.836 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 11006

Ion Ratio Lower Upper

43 100

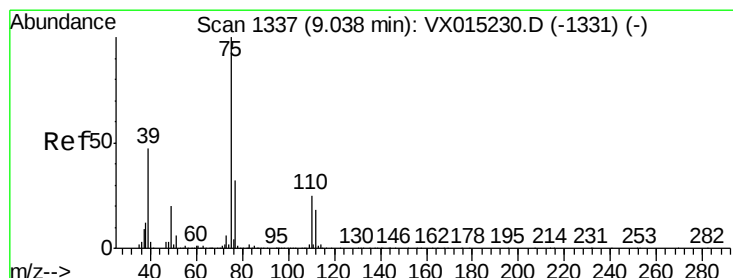
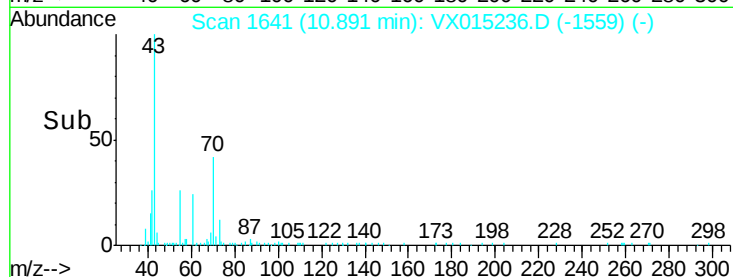
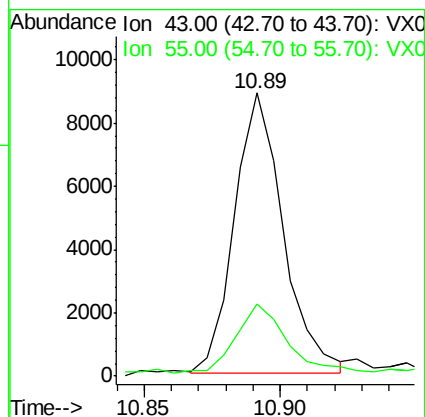
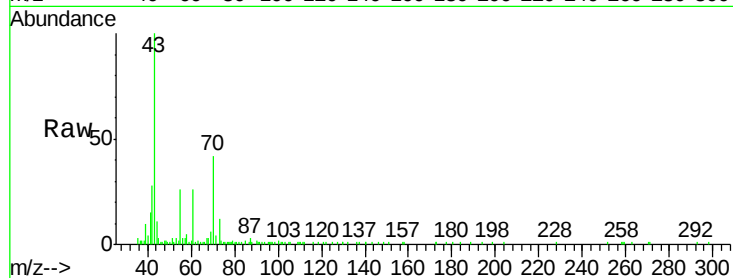
55 25.3 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:45 AM



#48

t-1,3-Dichloropropene

Concen: 2.208 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX015236.D

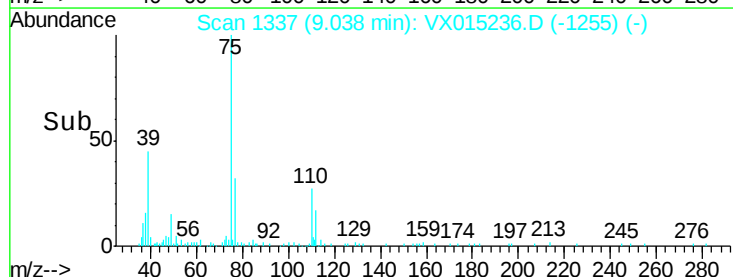
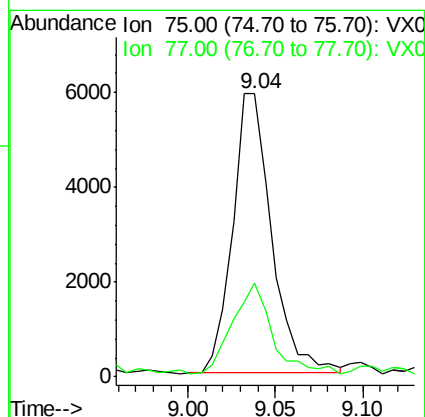
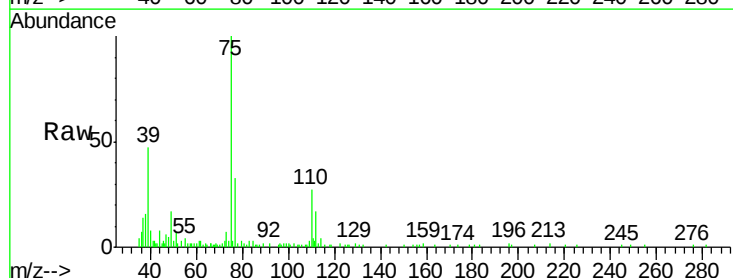
Acq: 12 Mar 2020 15:44

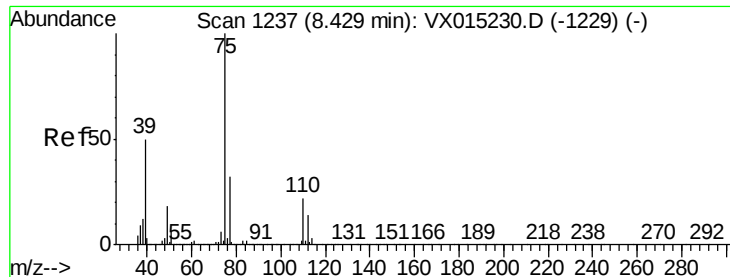
Tgt Ion: 75 Resp: 9183

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7





#49

cis-1,3-Dichloropropene

Concen: 2.227 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

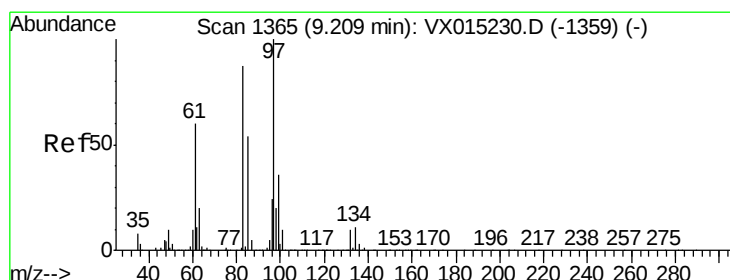
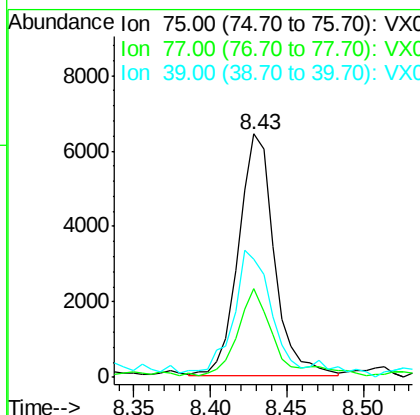
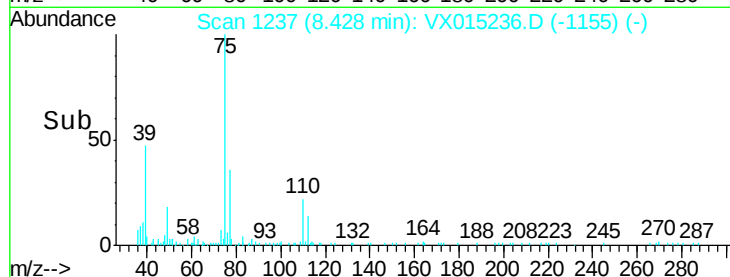
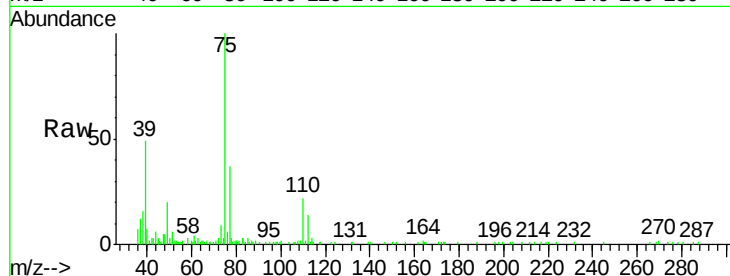
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	75	Resp:	10517
Ion Ratio	Lower	Upper	
75	100		
77	38.0	25.3	37.9#
39	46.3	39.8	59.6

Manual Integrations
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3/16/2020 11:43:45 AM



#50

1,1,2-Trichloroethane

Concen: 2.231 ug/l

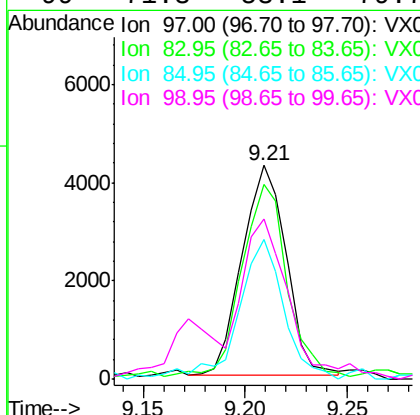
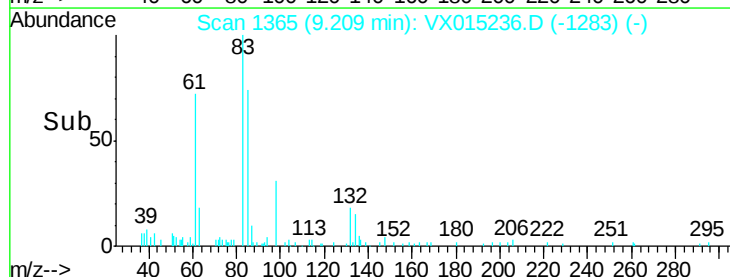
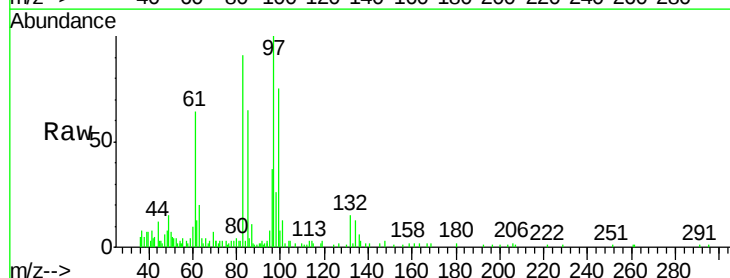
RT: 9.21 min Scan# 1365

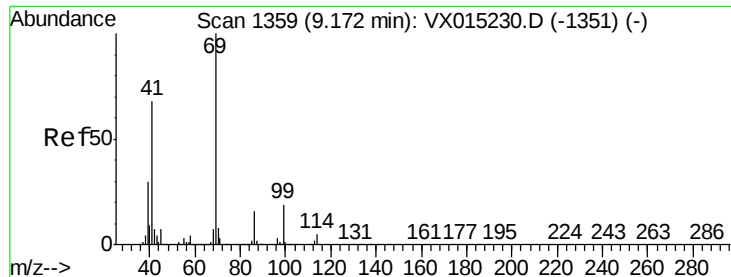
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	97	Resp:	6380
Ion Ratio	Lower	Upper	
97	100		
83	90.0	69.7	104.5
85	66.7	45.4	68.0
99	71.3	53.1	79.7





#51

Ethyl methacrylate

Concen: 2.119 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

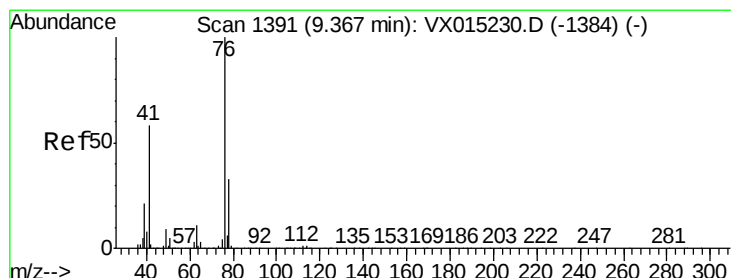
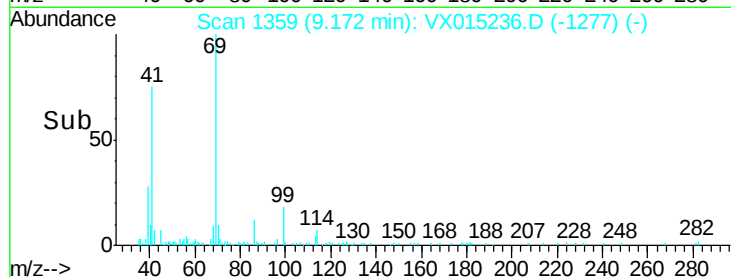
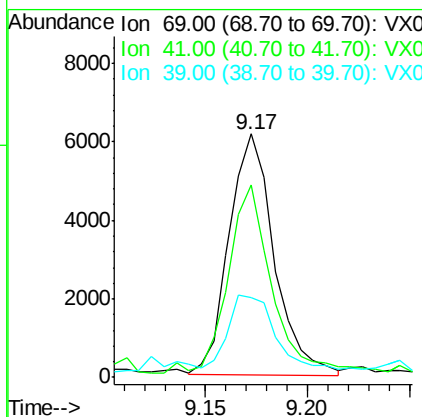
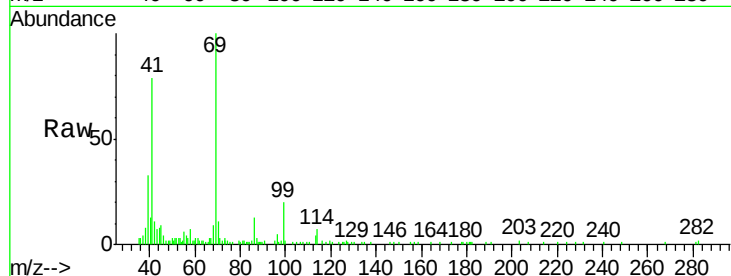
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	69	Resp:	9452
Ion	Ratio	Lower	Upper
69	100		
41	77.3	33.8	101.3
39	30.3	15.1	45.3

Manual Integrations
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MMDadoda
3/16/2020 11:43:45 AM



#52

1,3-Dichloropropane

Concen: 2.582 ug/l

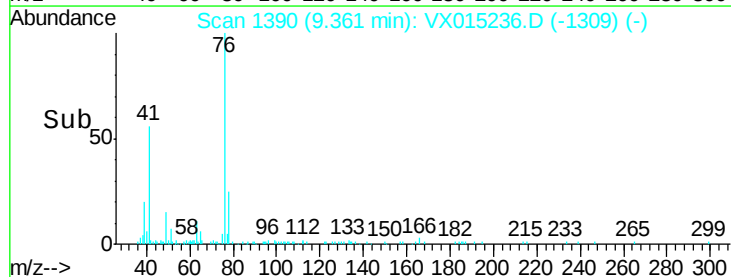
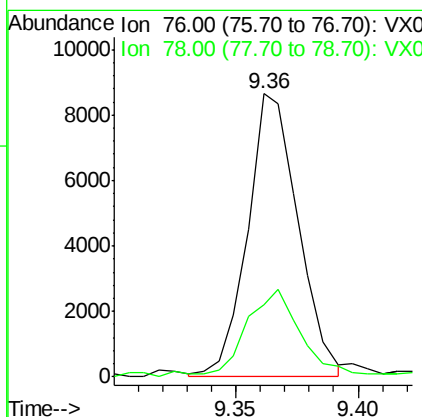
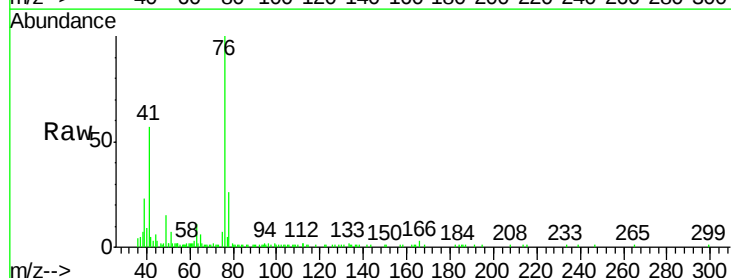
RT: 9.36 min Scan# 1390

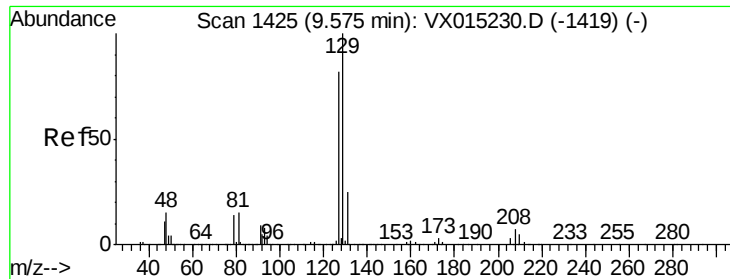
Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	76	Resp:	12496
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	65.2





#53

Dibromochloromethane

Concen: 2.305 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:129 Resp: 7018

Ion Ratio Lower Upper

129 100

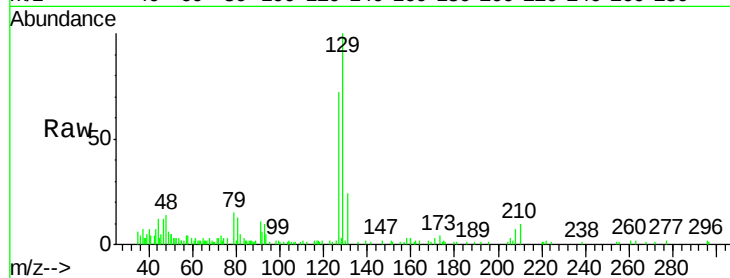
127 74.8 40.4 121.1

Manual Integrations

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MMDadoda

3/16/2020 11:43:45 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

6000

5000

4000

3000

2000

1000

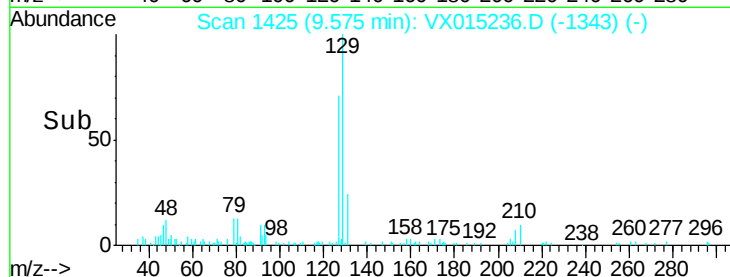
0

9.50

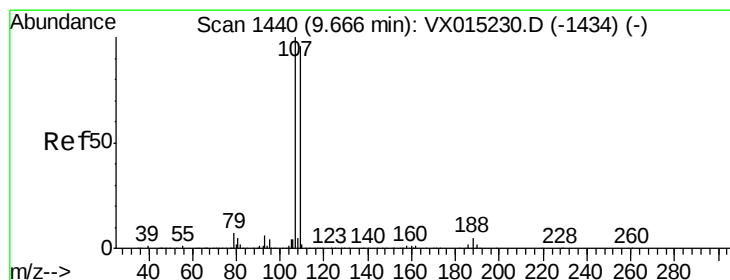
9.55

9.60

9.65



Time-->



#54

1,2-Dibromoethane

Concen: 2.668 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015236.D

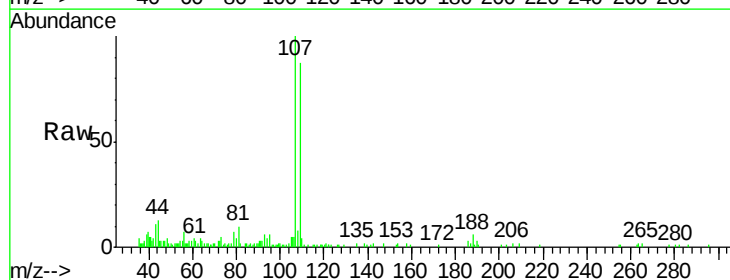
Acq: 12 Mar 2020 15:44

Tgt Ion:107 Resp: 7871

Ion Ratio Lower Upper

107 100

109 87.4 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

6000

5000

4000

3000

2000

1000

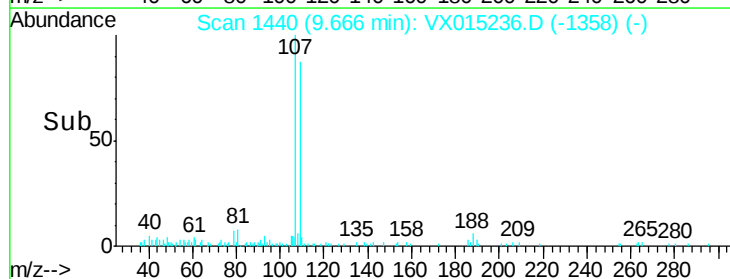
0

9.60

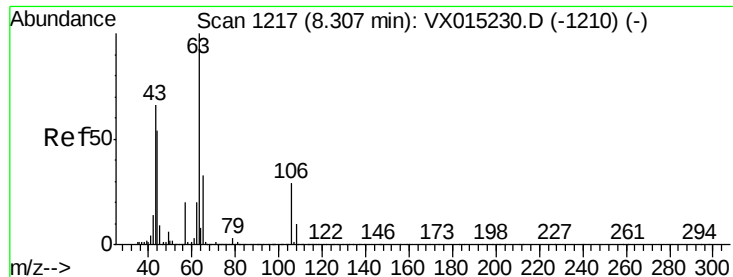
9.65

9.70

9.75



Time-->



#55

2-Chloroethyl vinyl ether

Concen: 10.913 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

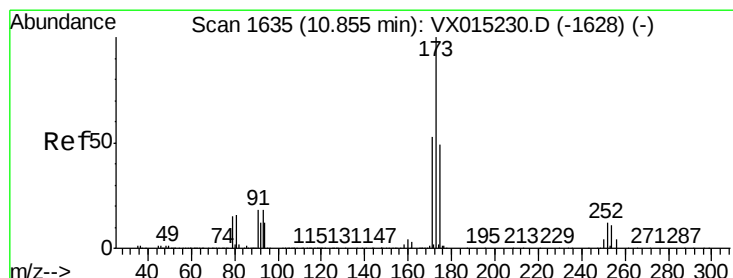
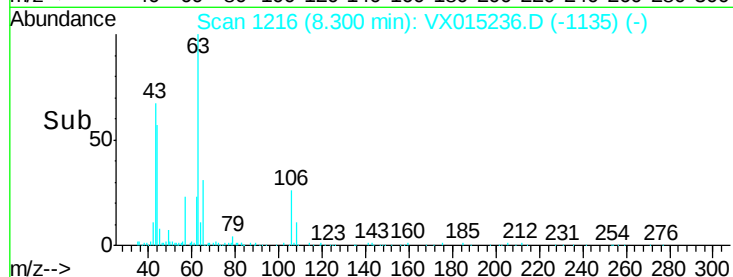
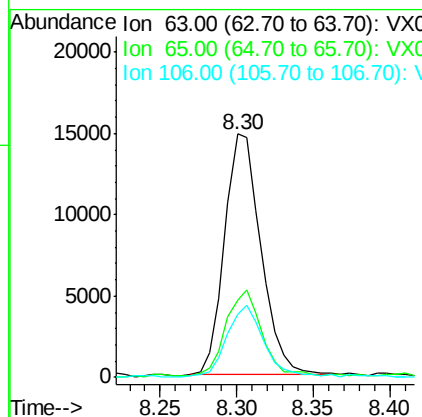
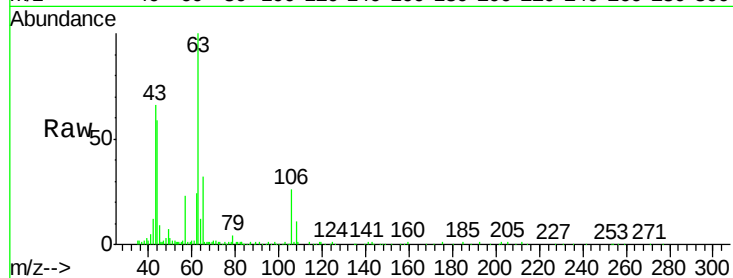
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	63	Resp:	24385
Ion Ratio	Lower	Upper	
63	100		
65	33.9	25.6	38.4
106	29.8	23.0	34.4

Manual Integrations
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MMDadoda
3/16/2020 11:43:45 AM



#56

Bromoform

Concen: 2.036 ug/l

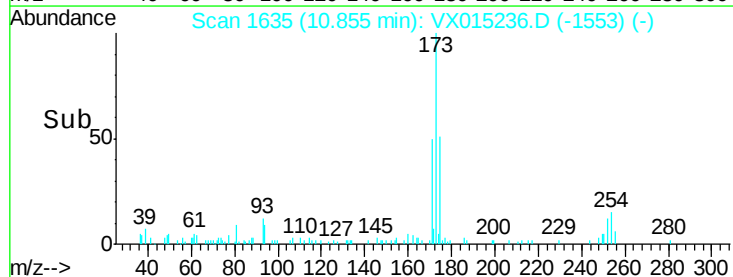
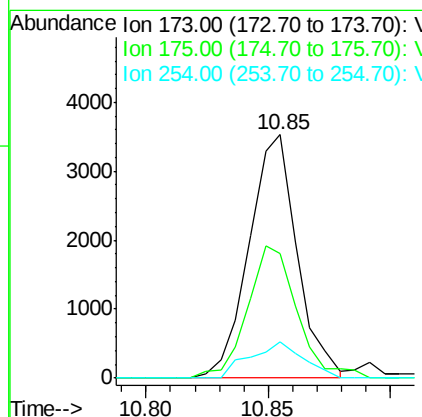
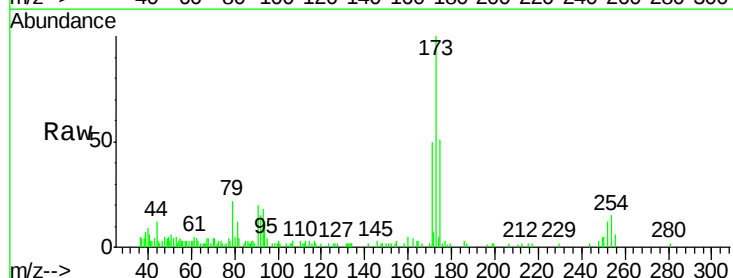
RT: 10.85 min Scan# 1635

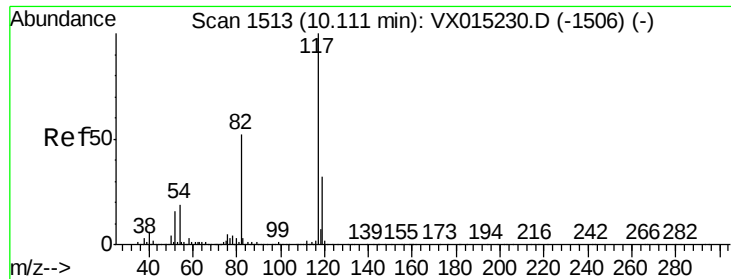
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	173	Resp:	4862
Ion Ratio	Lower	Upper	
173	100		
175	53.9	38.9	58.3
254	16.4	9.1	13.7#





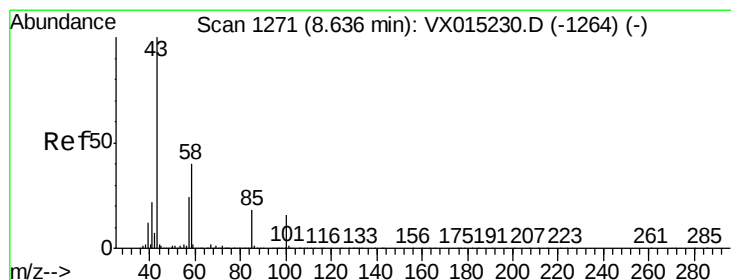
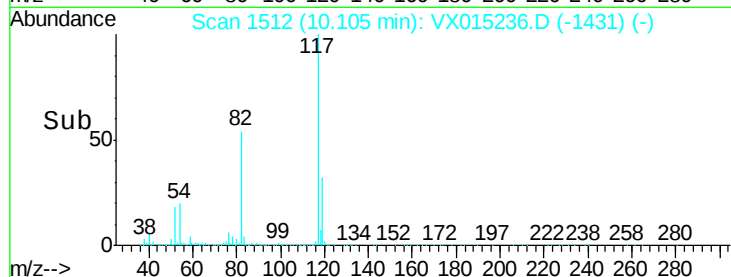
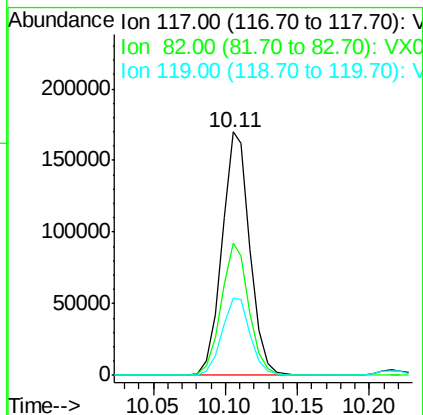
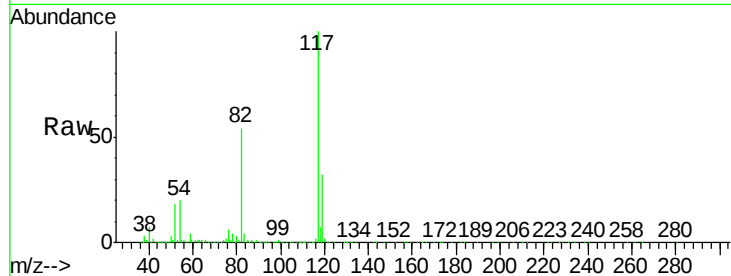
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	230626		
82	53.7		43.2	64.8
119	32.3		25.8	38.8

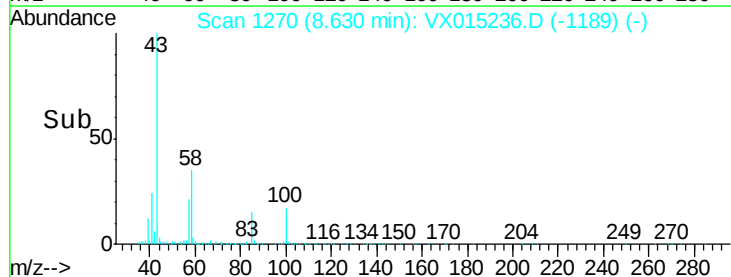
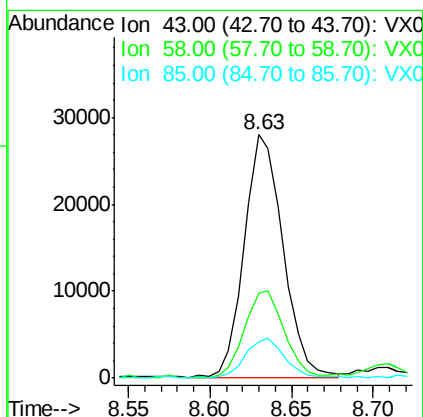
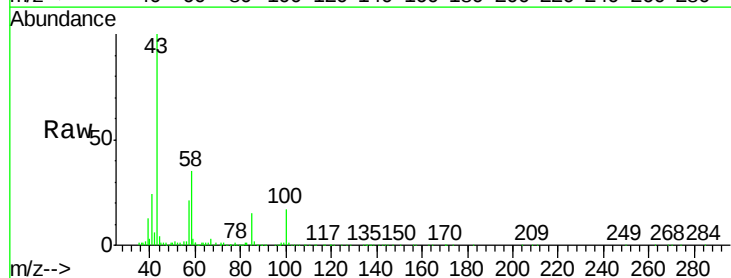
Manual Integrations
APPROVED

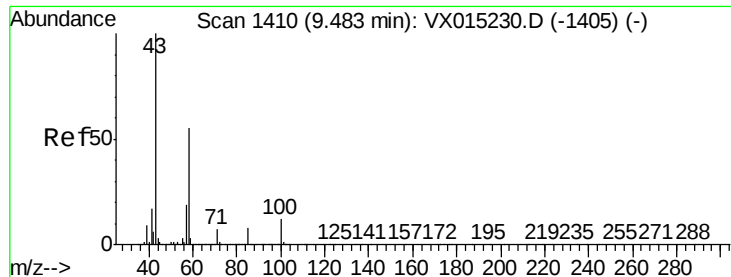
MMDadoda
3/16/2020 11:43:45 AM



#58
4-Methyl-2-Pentanone
Concen: 11.728 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46047		
58	37.2		31.6	47.4
85	17.1		13.8	20.8





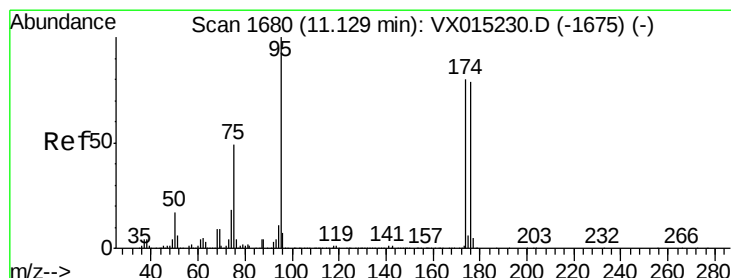
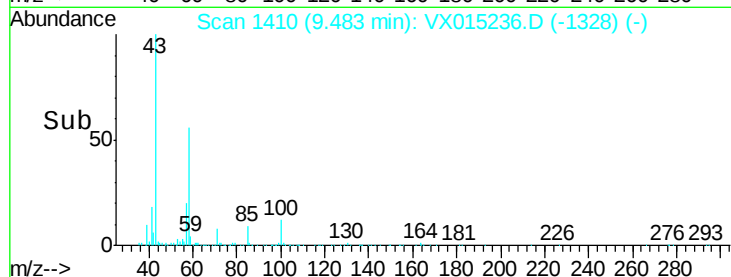
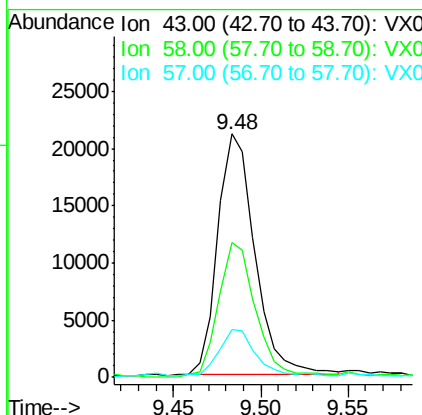
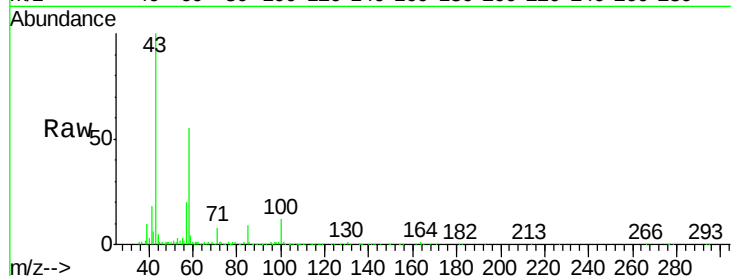
#59
2-Hexanone
Concen: 10.531 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.6	66.8
57	19.1	14.6	21.8

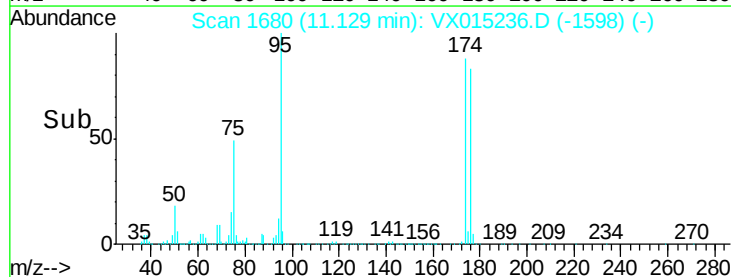
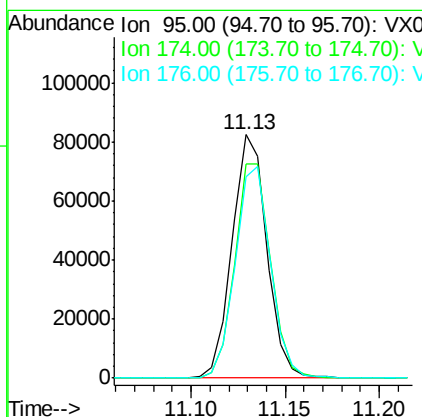
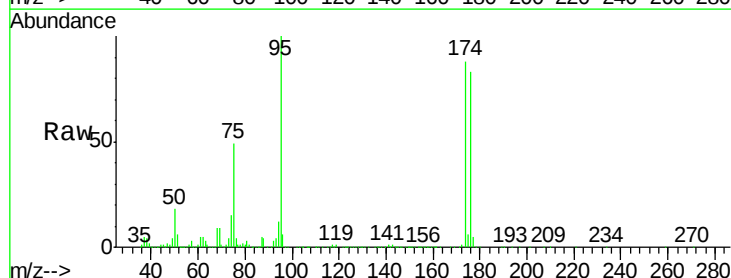
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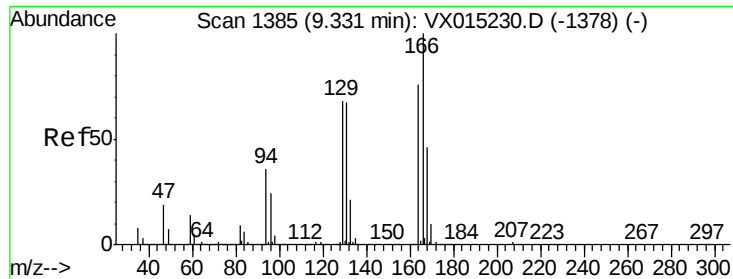
MMDadoda
3/16/2020 11:43:45 AM



#60
4-Bromofluorobenzene
Concen: 28.734 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	72.0	108.0
176	88.4	70.1	105.1





#61

Tetrachloroethene

Concen: 2.529 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

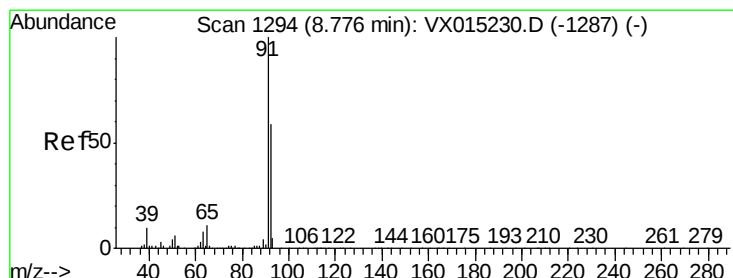
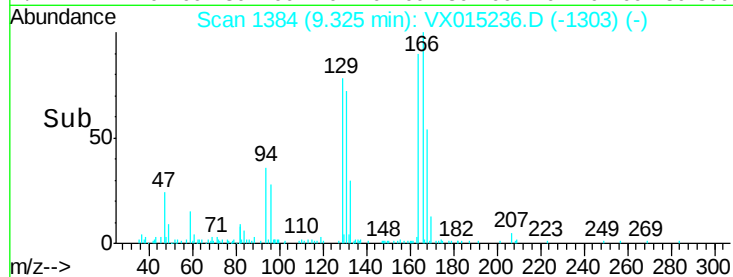
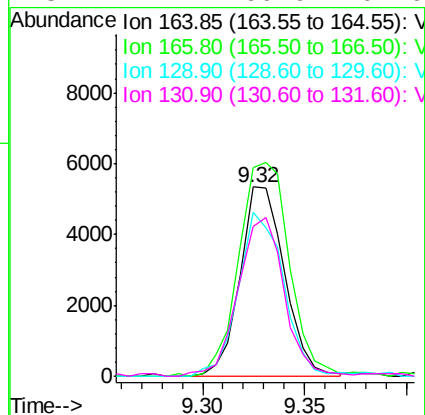
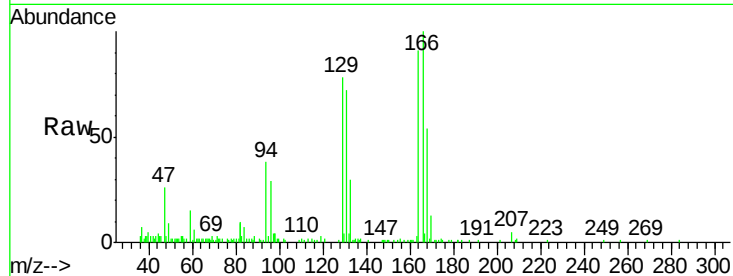
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	164	Resp:	8118
Ion	Ratio	Lower	Upper
164	100		
166	110.3	105.1	157.7
129	86.3	71.5	107.3
131	77.7	69.9	104.9

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#62

Toluene

Concen: 2.525 ug/l

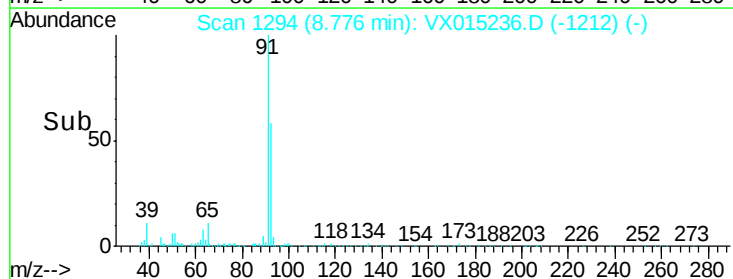
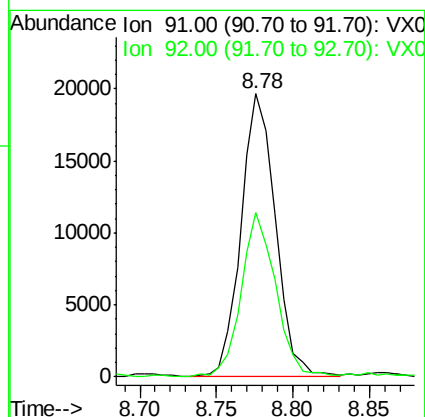
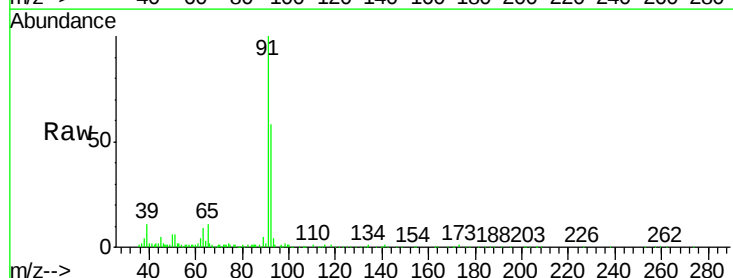
RT: 8.78 min Scan# 1294

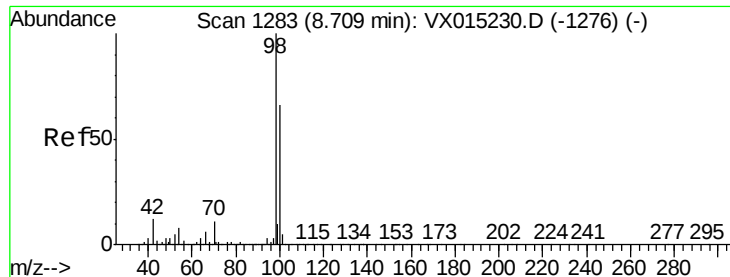
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	91	Resp:	30813
Ion	Ratio	Lower	Upper
91	100		
92	57.3	47.1	70.7





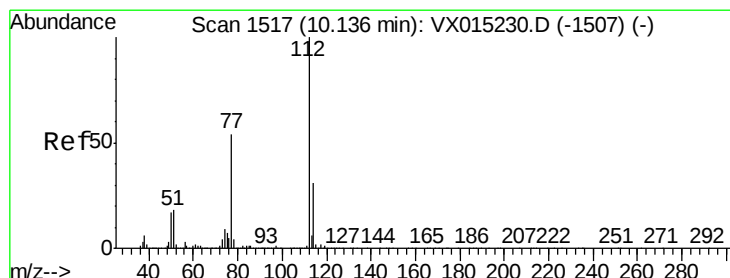
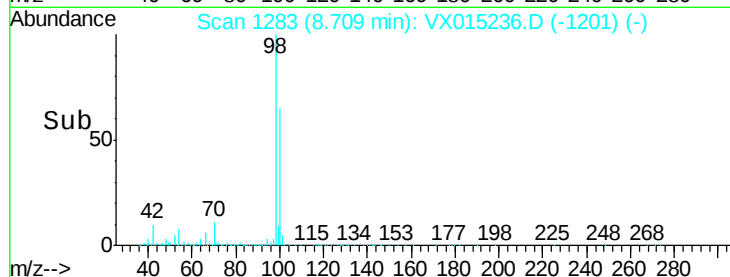
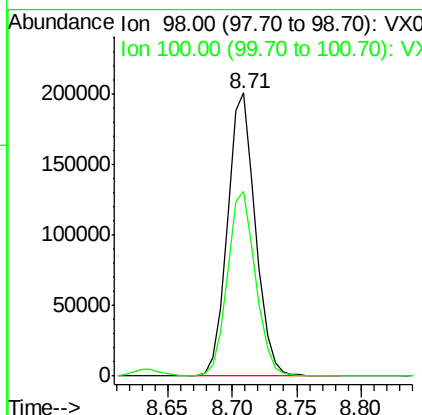
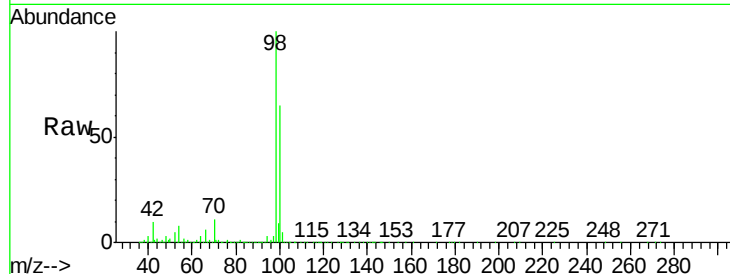
#63
Toluene-d8
Concen: 30.644 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion: 98 Resp: 302719
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

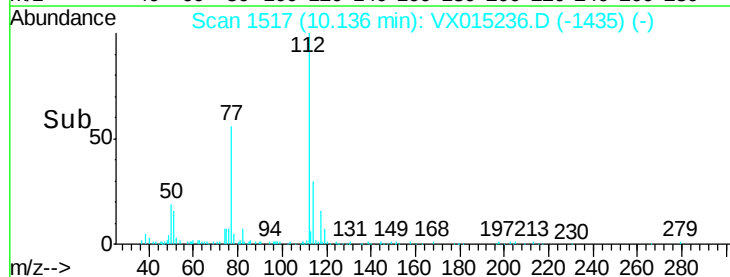
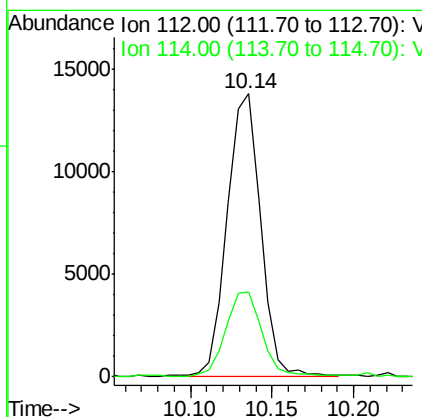
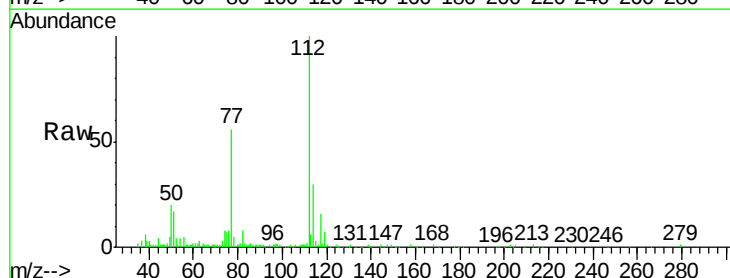
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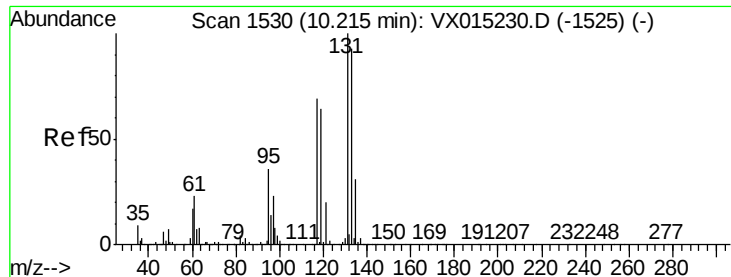
MMDadoda
3/16/2020 11:43:45 AM



#64
Chlorobenzene
Concen: 2.552 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion: 112 Resp: 19902
Ion Ratio Lower Upper
112 100
114 30.1 24.8 37.2





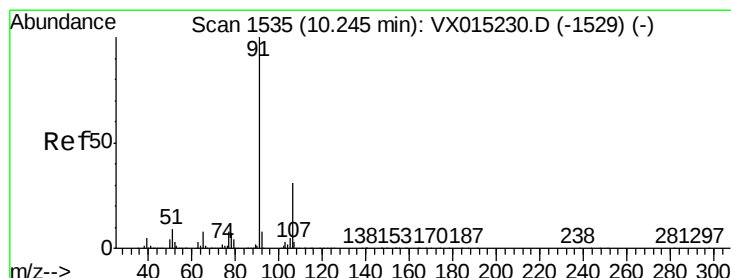
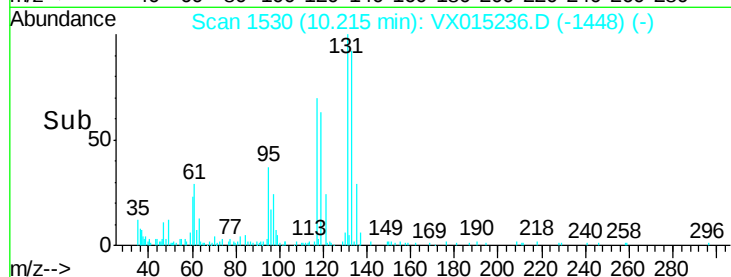
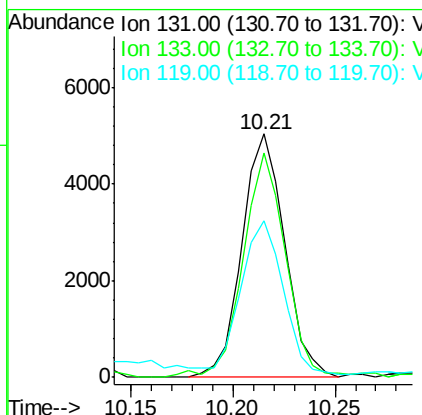
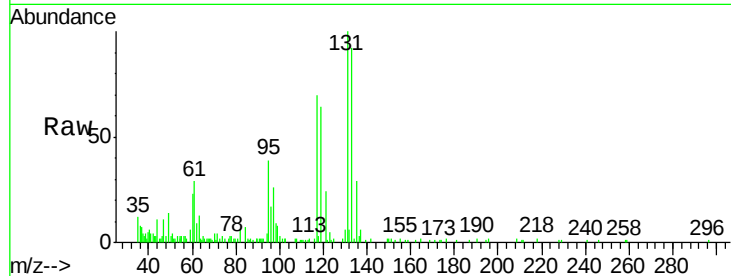
#65
 1,1,1,2-Tetrachloroethane
 Concen: 2.557 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.6	0.0	188.0
119	65.6	0.0	131.0

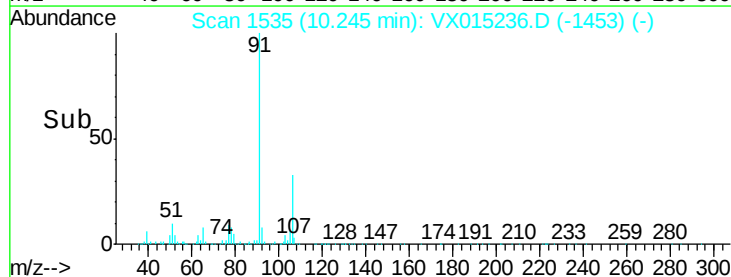
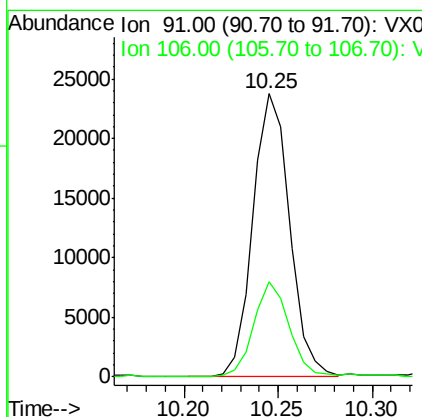
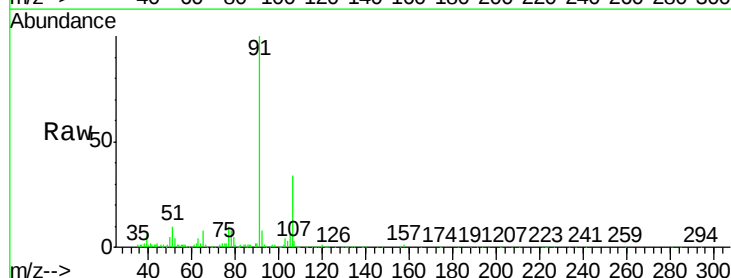
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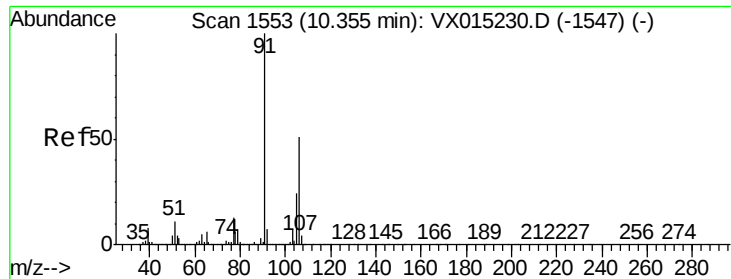
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#66
 Ethyl Benzene
 Concen: 2.370 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.0	24.9	37.3





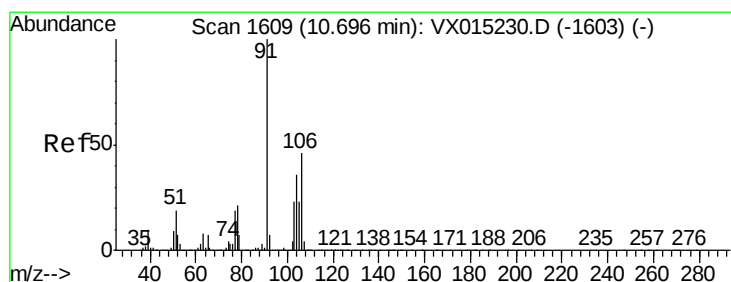
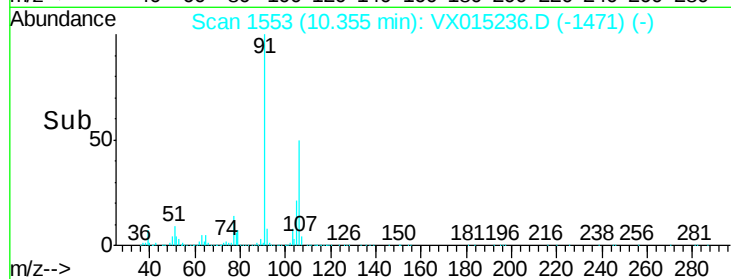
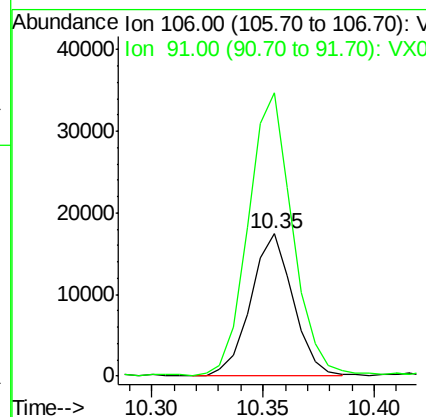
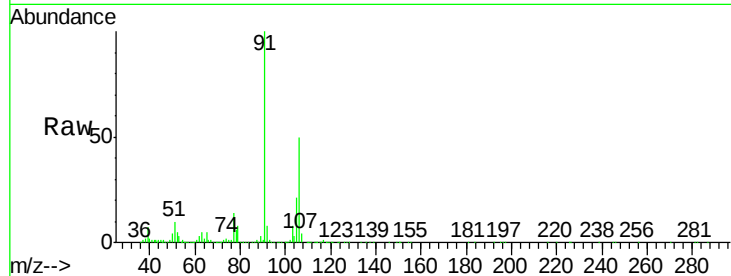
#67
m/p-Xylenes
Concen: 4.414 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.0	160.1	240.1

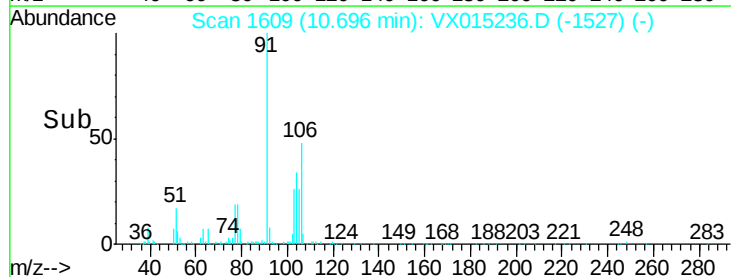
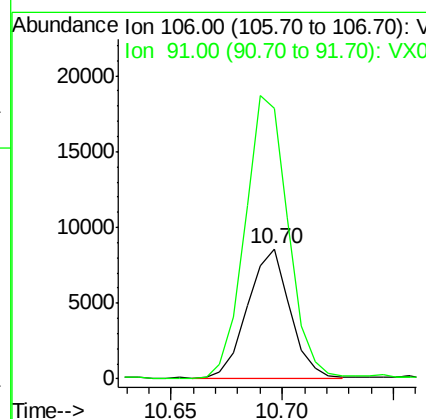
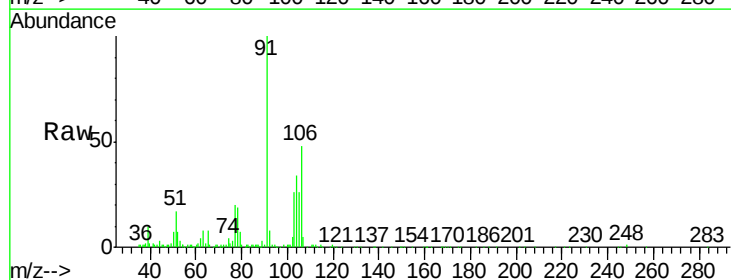
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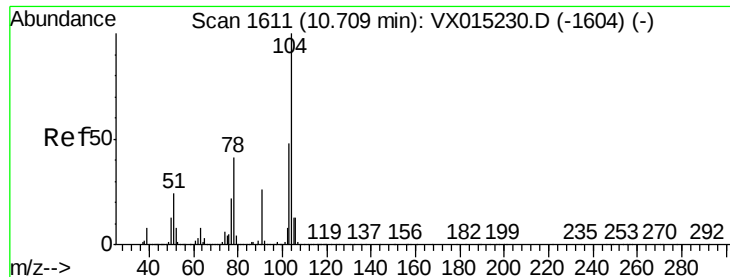
MMDadoda
3/16/2020 11:43:45 AM



#68
o-Xylene
Concen: 2.292 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	221.5	106.4	319.2





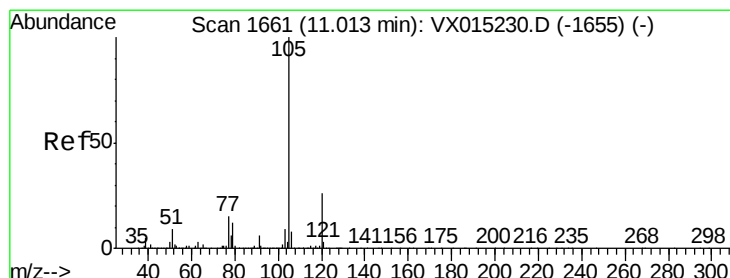
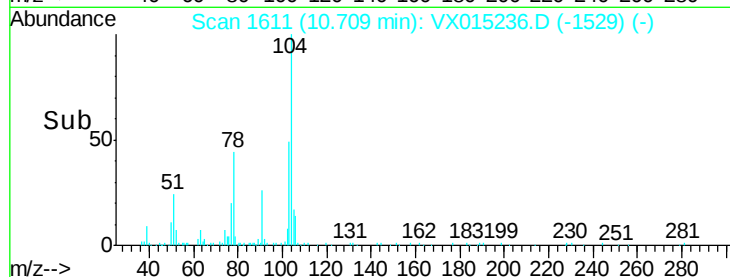
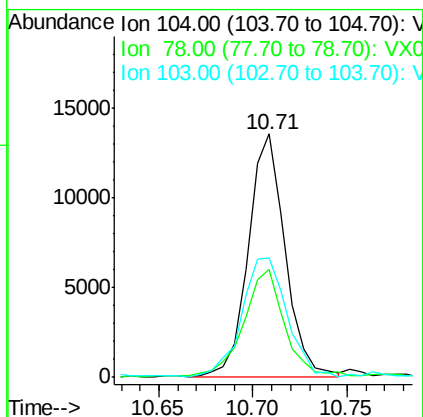
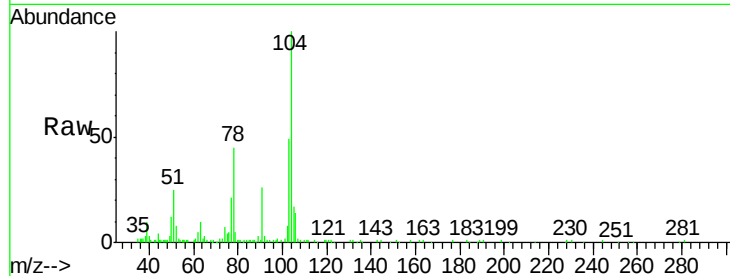
#69
Stvrene
Concen: 2.111 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.9	58.3
103	60.4	43.2	64.8

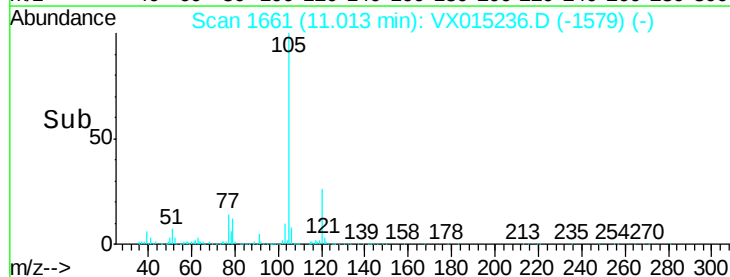
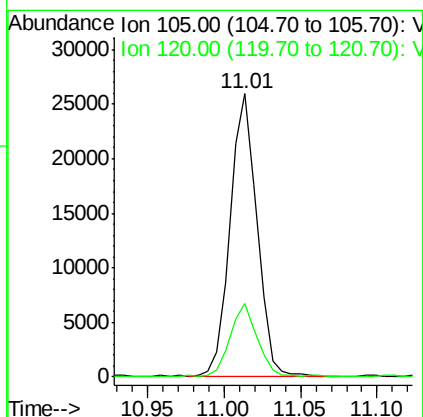
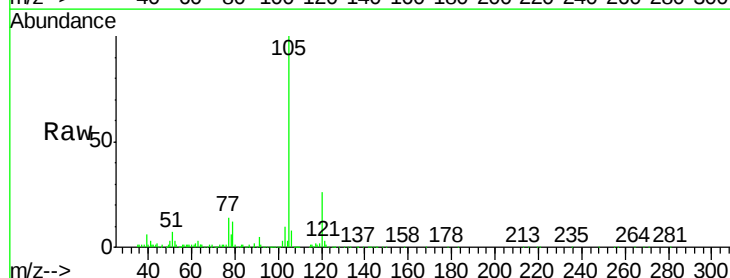
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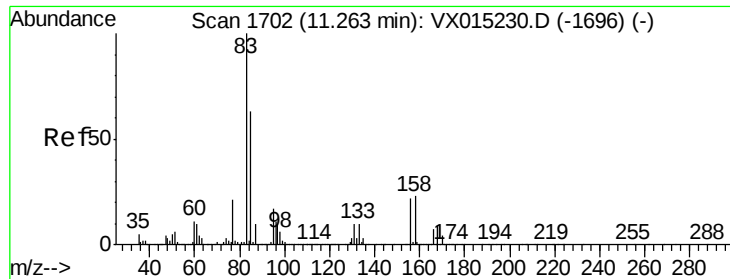
MMDadoda
3/16/2020 11:43:45 AM



#70
Isopropylbenzene
Concen: 2.379 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 2.404 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

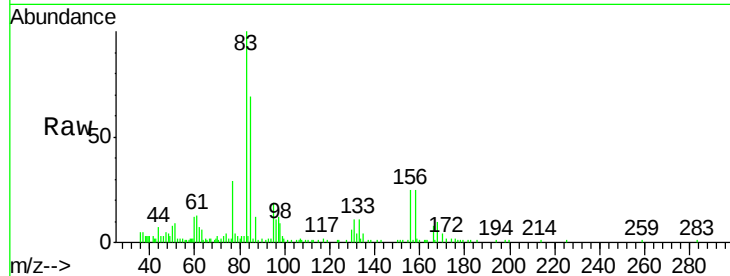
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

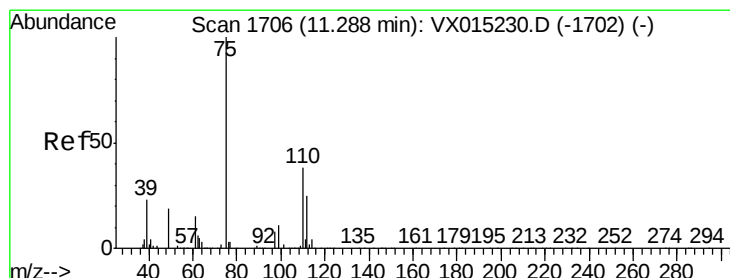
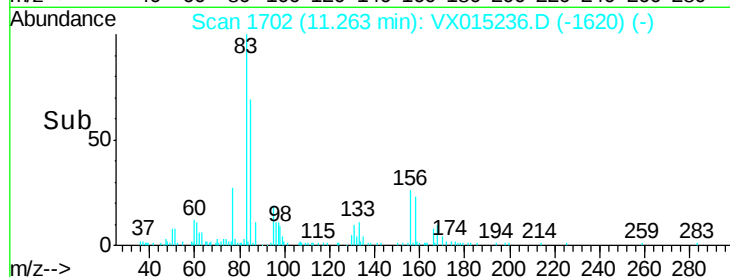
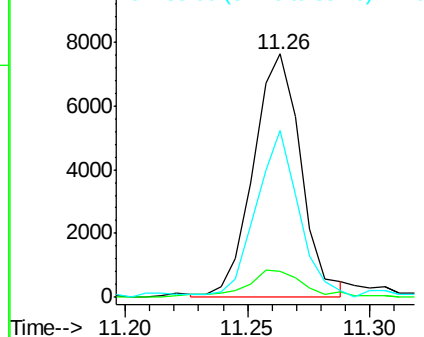
Tot Ion:	83	Resp:	10393
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.0	14.9
85	61.4	31.8	95.4

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 3.062 ug/l

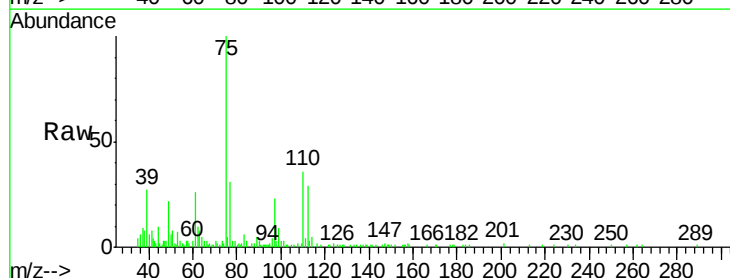
RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

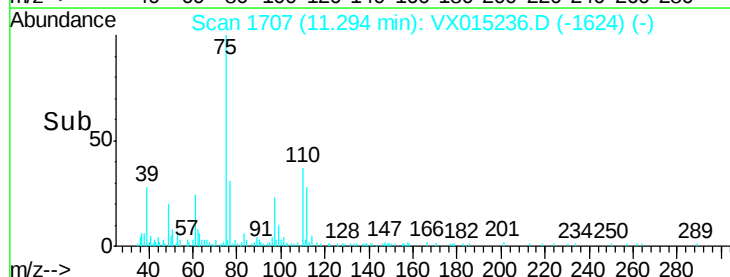
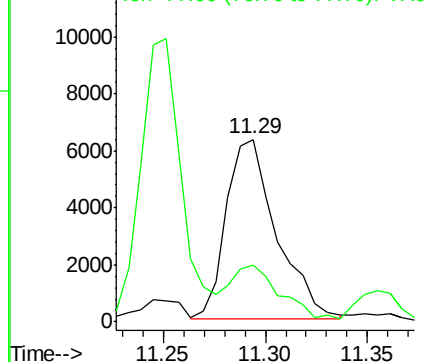
Lab File: VX015236.D

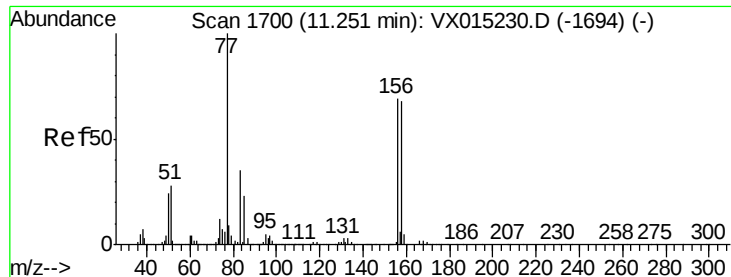
Acq: 12 Mar 2020 15:44

Tgt Ion:	75	Resp:	10835
Ion Ratio	Lower	Upper	
75	100		
77	30.0	0.0	83.0



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 2.418 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

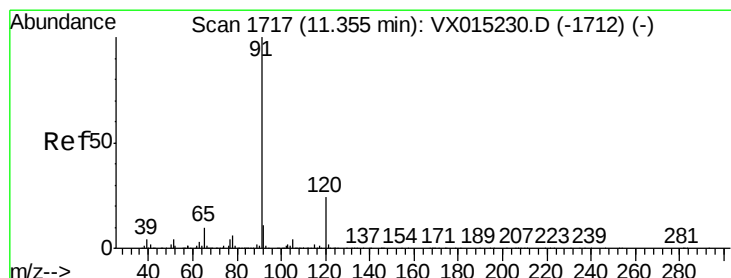
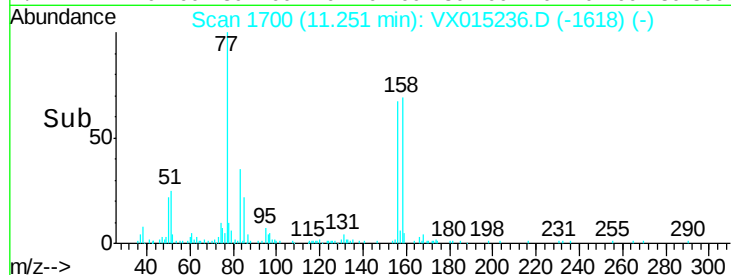
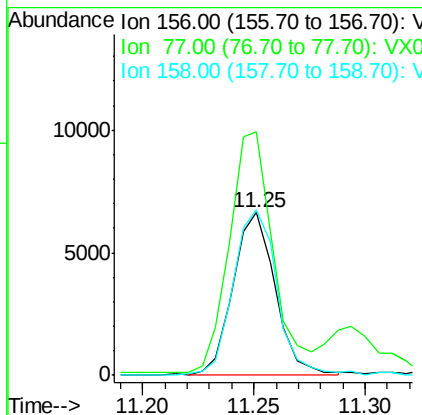
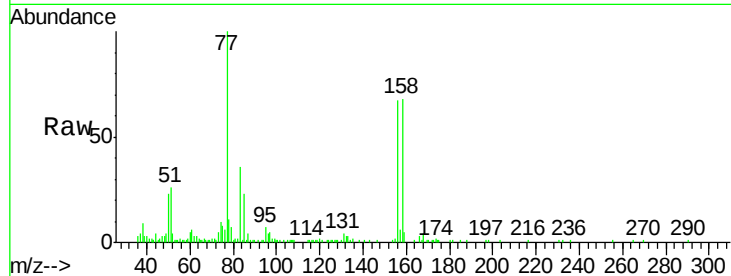
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	156	Resp:	8781
Ion Ratio	Lower	Upper	
156	100		
77	155.4	0.0	305.0
158	104.8	0.0	197.2

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3/16/2020 11:43:45 AM



#74

n-propylbenzene

Concen: 2.143 ug/l

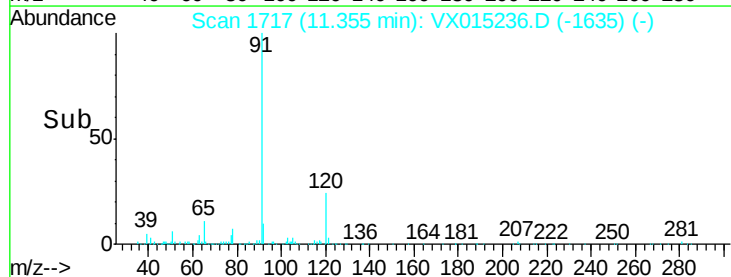
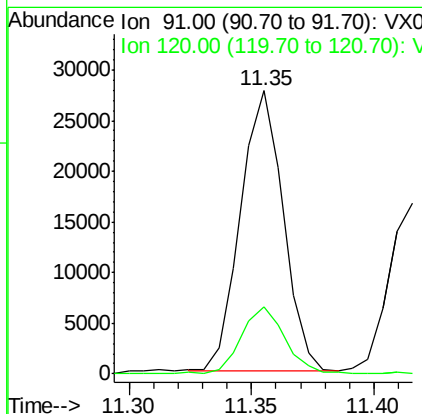
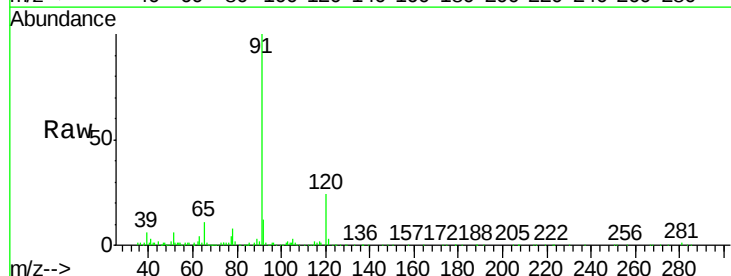
RT: 11.35 min Scan# 1717

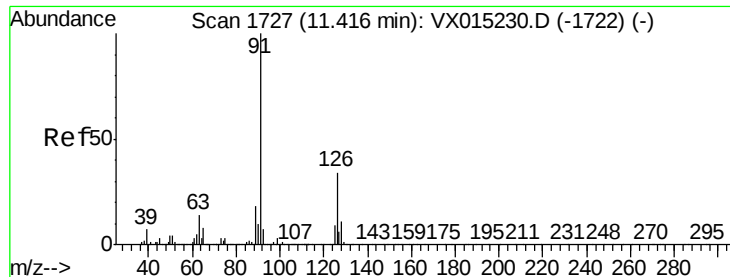
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	91	Resp:	33710
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	47.0





#75

2-Chlorotoluene

Concen: 2.237 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 20547

Ion Ratio Lower Upper

91 100

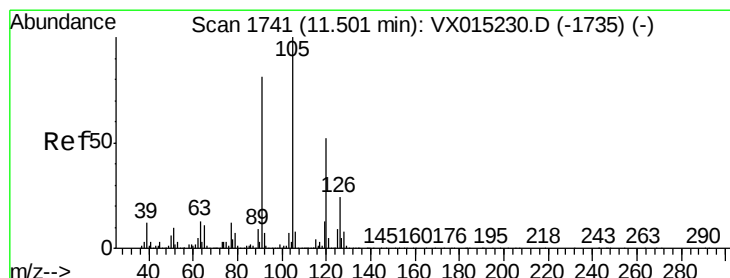
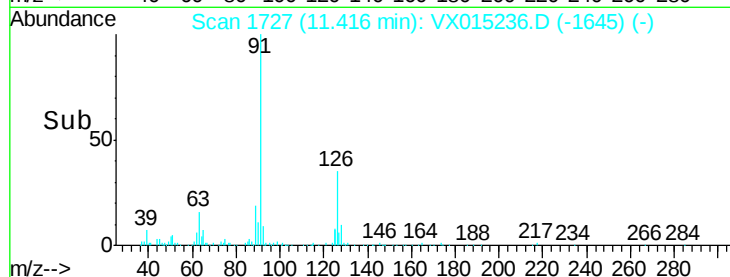
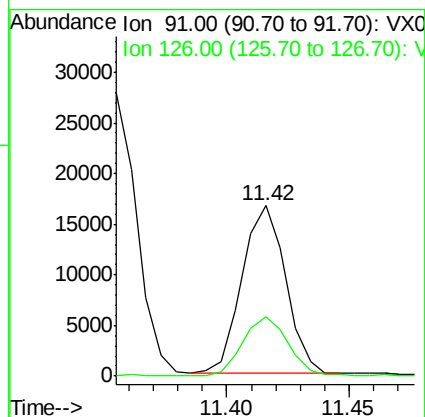
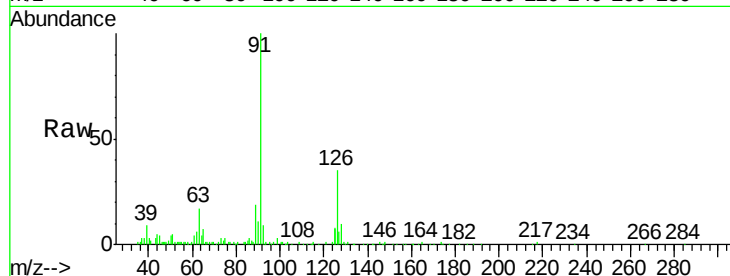
126 37.0 0.0 69.8

Manual Integrations

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3/16/2020 11:43:45 AM



#76

1,3,5-Trimethylbenzene

Concen: 2.295 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015236.D

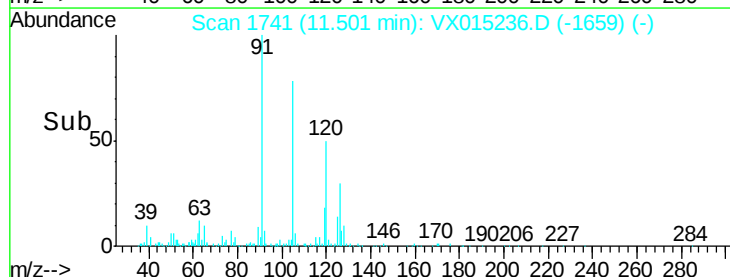
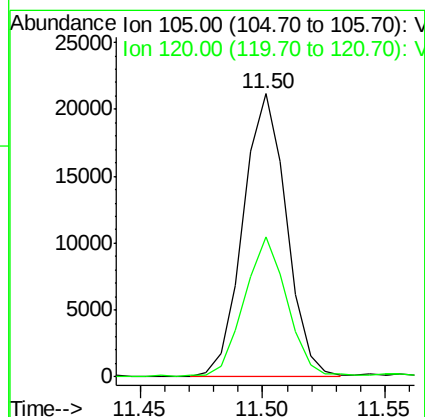
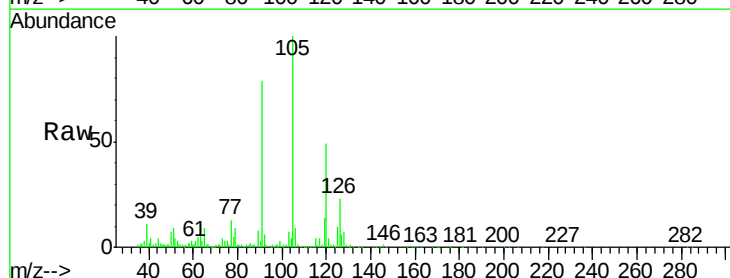
Acq: 12 Mar 2020 15:44

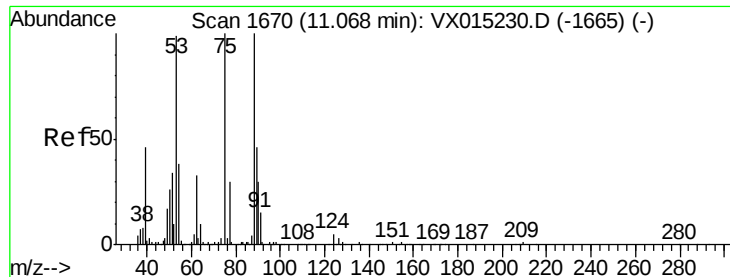
Tgt Ion: 105 Resp: 26093

Ion Ratio Lower Upper

105 100

120 48.2 0.0 101.2





#77

t-1,4-Dichloro-2-butene

Concen: 1.718 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

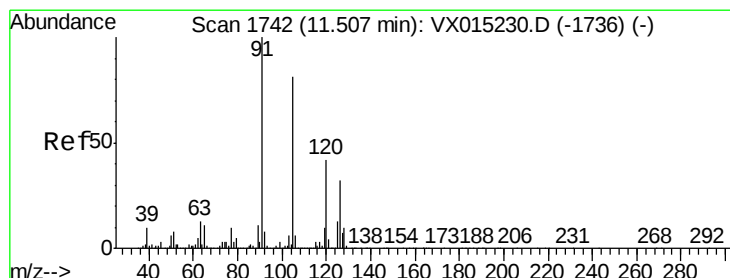
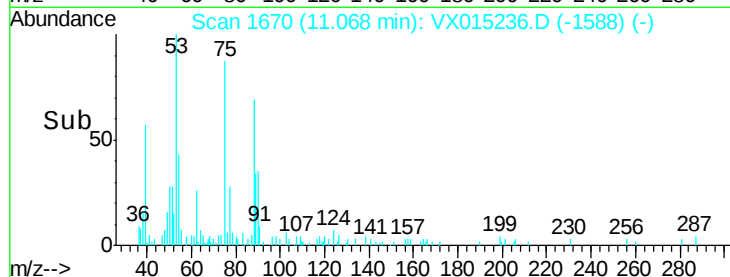
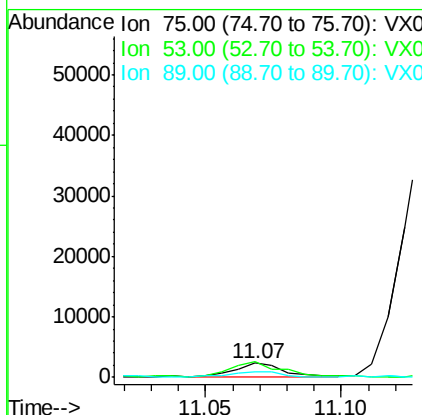
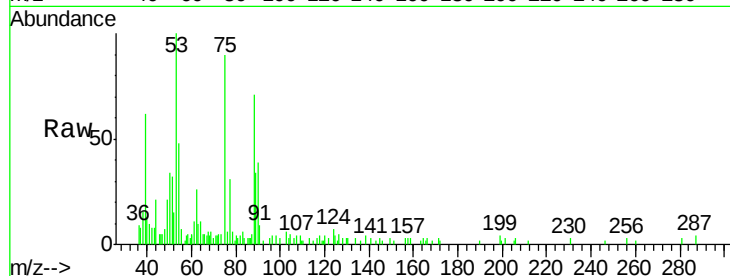
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	75	Resp:	2546
Ion	Ratio	Lower	Upper
75	100		
53	110.7	49.5	148.3
89	38.1	22.9	68.8

Manual Integrations
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3/16/2020 11:43:45 AM



#78

4-Chlorotoluene

Concen: 2.320 ug/l

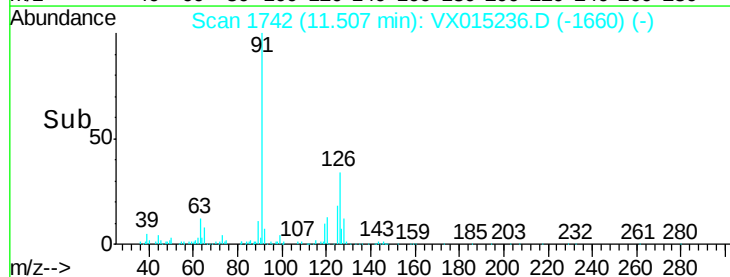
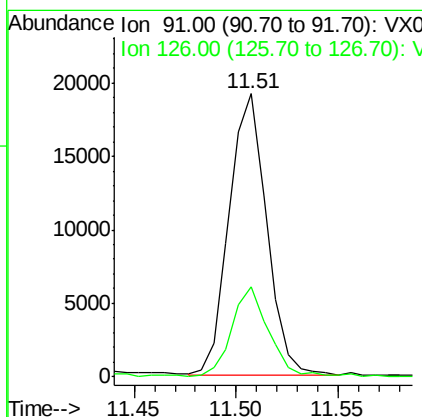
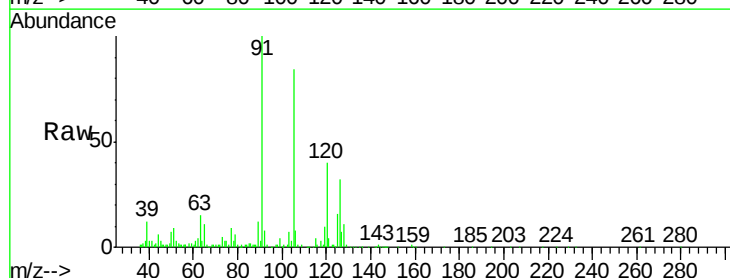
RT: 11.51 min Scan# 1742

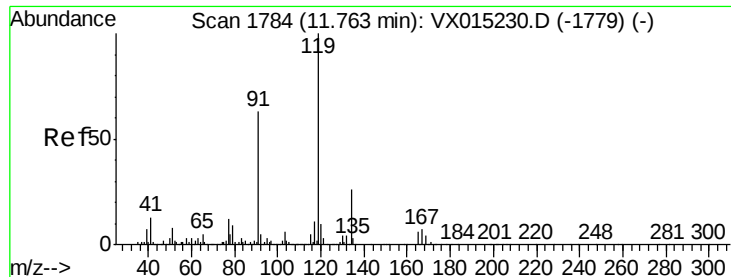
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	91	Resp:	24541
Ion	Ratio	Lower	Upper
91	100		
126	30.6	0.0	61.4





#79

tert-butylbenzene

Concen: 2.254 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

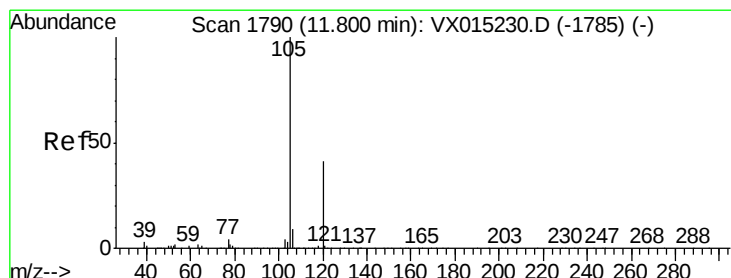
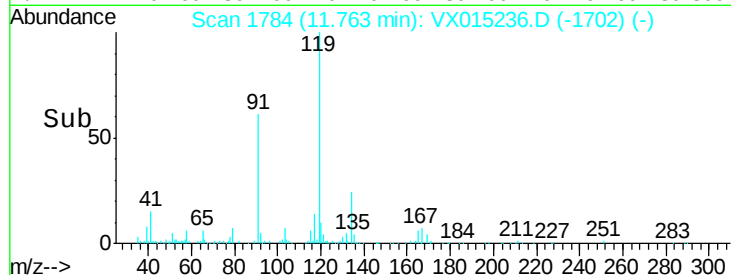
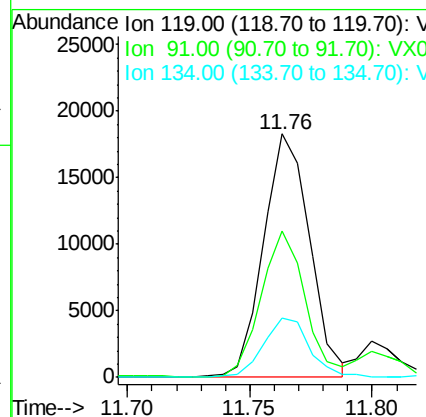
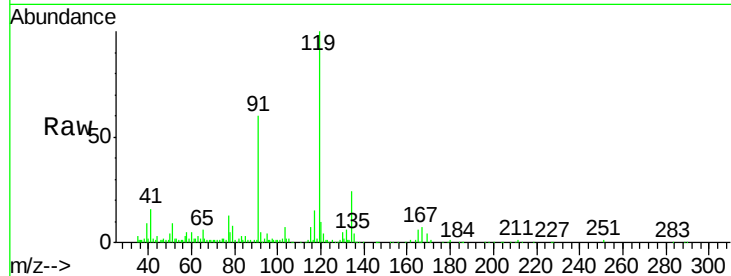
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	119	Resp:	24028
Ion Ratio	Lower	Upper	
119	100		
91	56.7	0.0	115.4
134	24.5	0.0	49.4

Manual Integrations
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3/16/2020 11:43:45 AM



#80

1,2,4-Trimethylbenzene

Concen: 2.152 ug/l

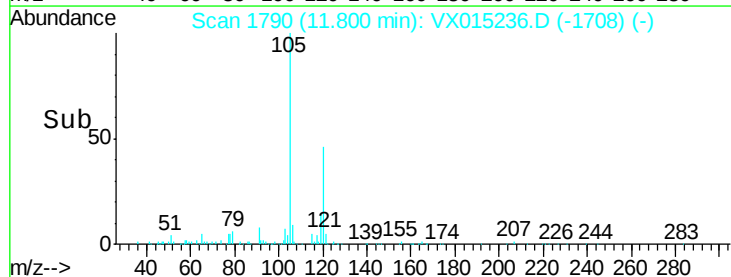
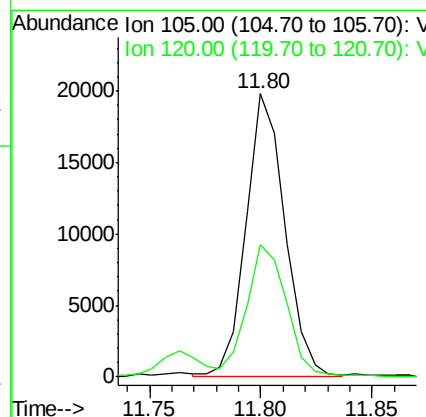
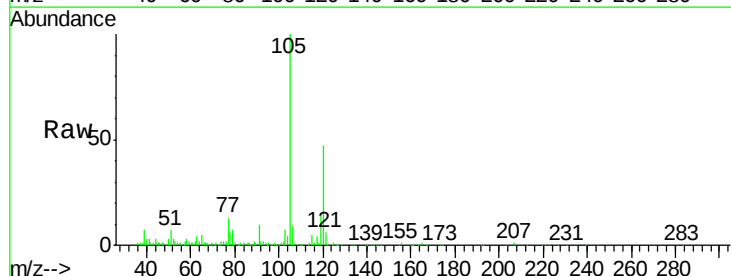
RT: 11.80 min Scan# 1790

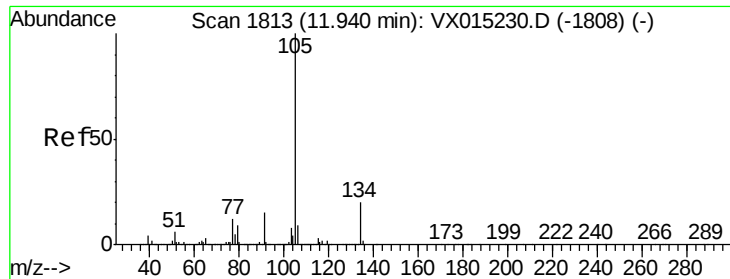
Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	105	Resp:	24192
Ion Ratio	Lower	Upper	
105	100		
120	46.3	0.0	93.2





#81

sec-Butylbenzene

Concen: 2.157 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 28527

Ion Ratio Lower Upper

105 100

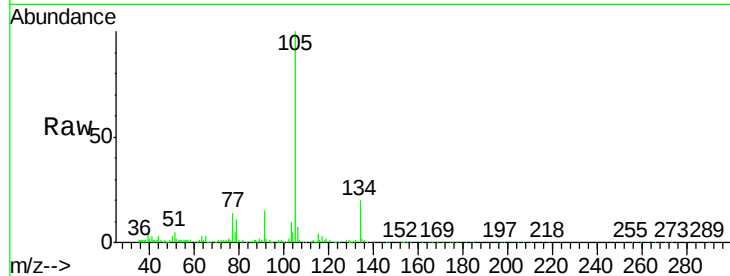
134 21.2 0.0 40.8

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

25000

20000

15000

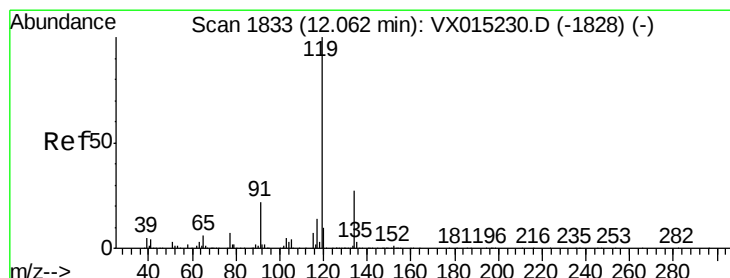
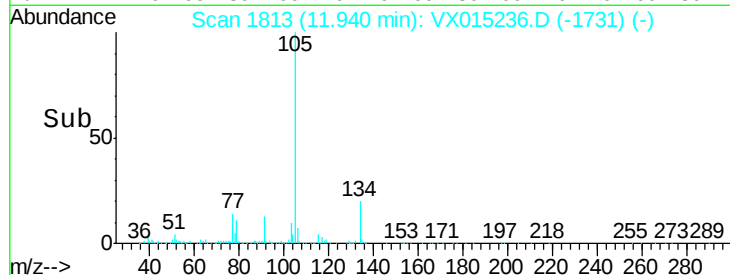
10000

5000

0

Time-->

11.90 11.95



#82

p-Isopropyltoluene

Concen: 2.085 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

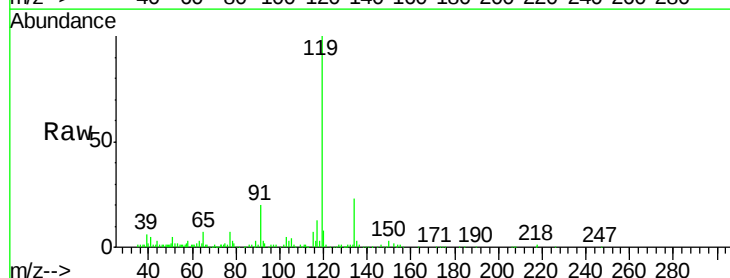
Tgt Ion:119 Resp: 25366

Ion Ratio Lower Upper

119 100

134 28.6 0.0 53.6

91 24.5 0.0 43.6



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

25000

20000

15000

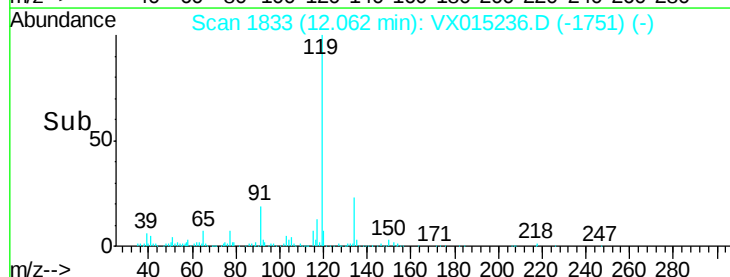
10000

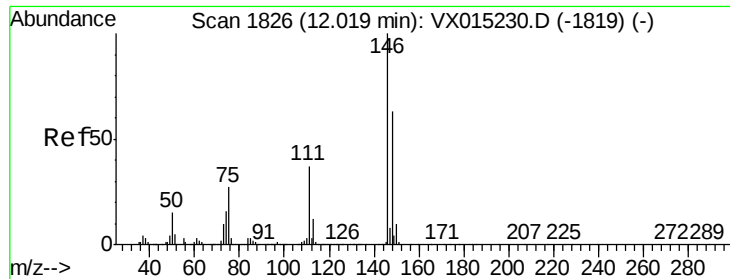
5000

0

Time-->

12.05 12.10





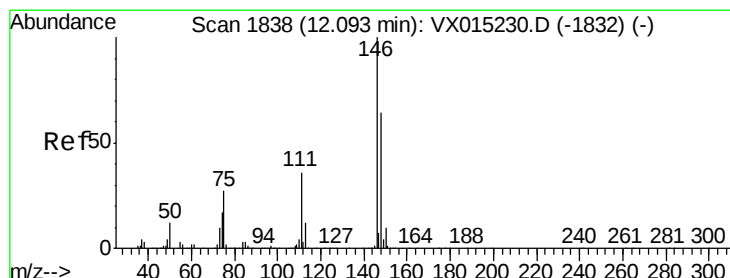
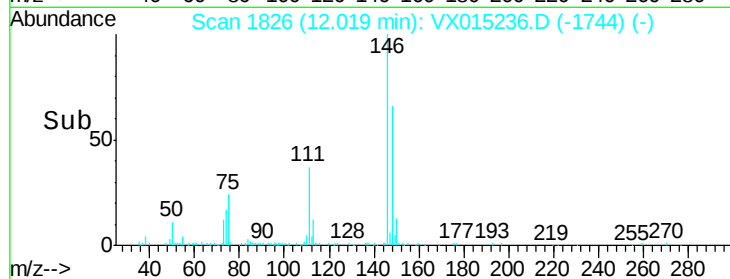
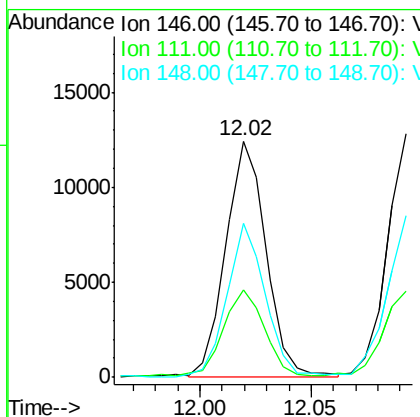
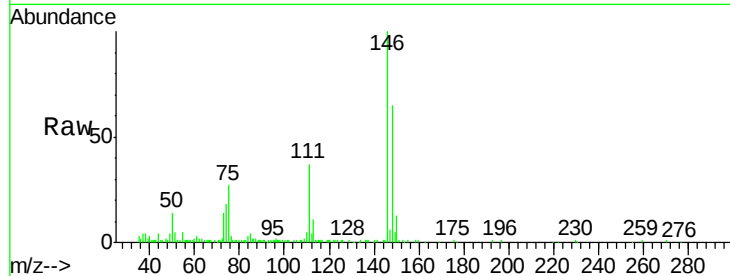
#83
1,3-Dichlorobenzene
Concen: 2.445 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	61.7	31.9	95.7

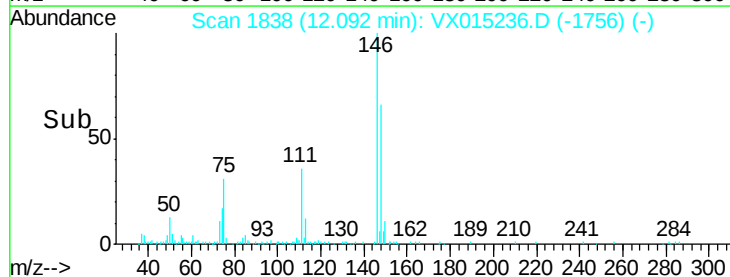
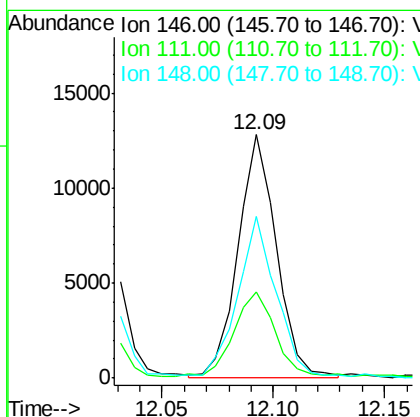
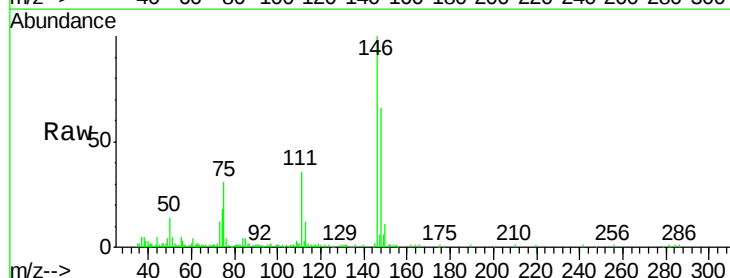
Manual Integrations
APPROVED

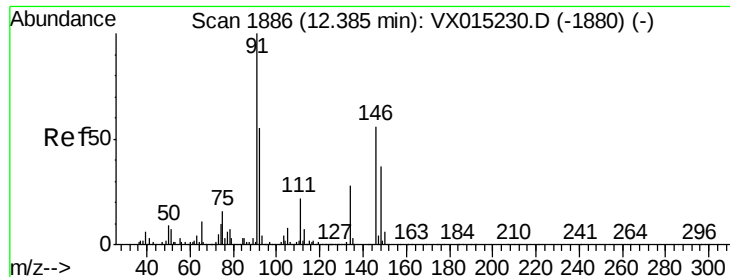
MMDadoda
3/16/2020 11:43:45 AM



#84
1,4-Dichlorobenzene
Concen: 2.412 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	66.5	31.9	95.9





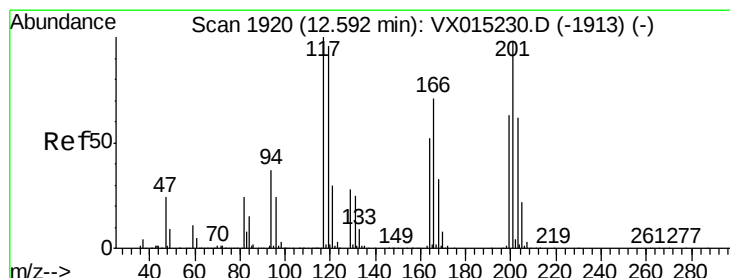
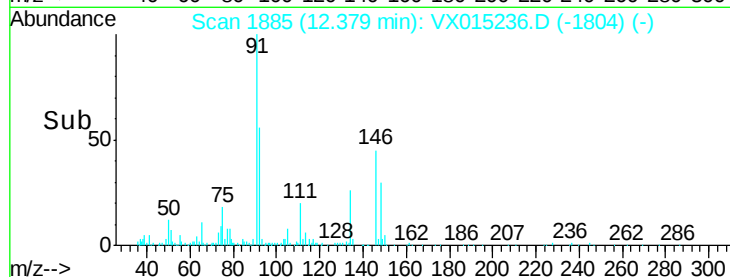
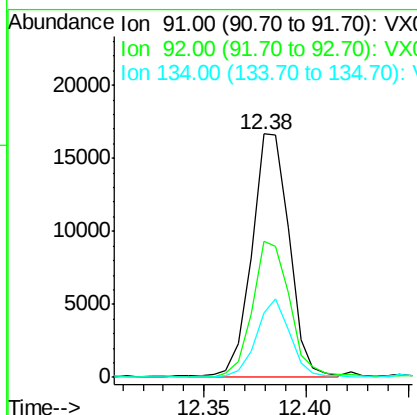
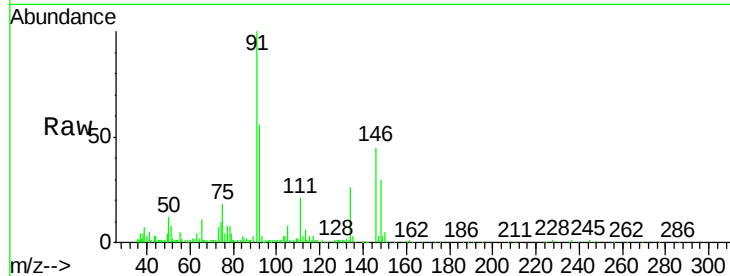
#85
n-Butylbenzene
Concen: 1.991 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	21227		
92	56.5	0.0	109.4	
134	29.2	0.0	53.0	

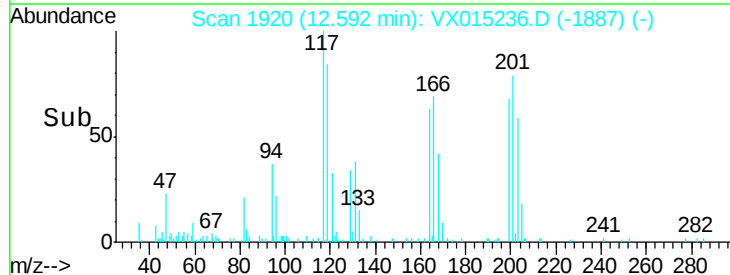
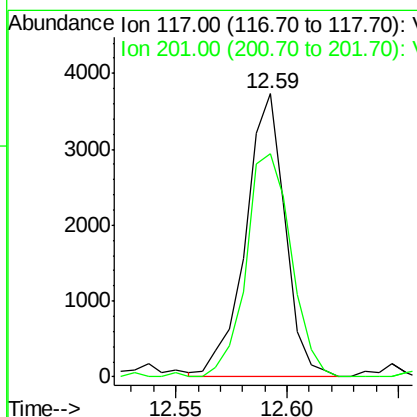
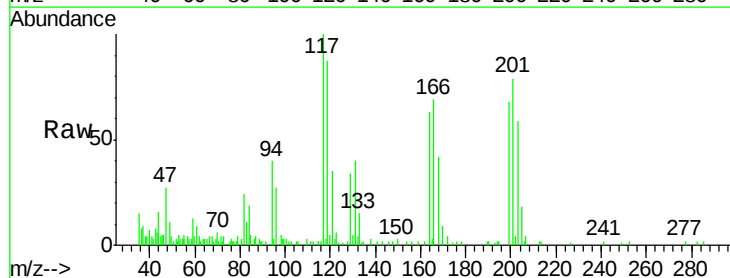
Manual Integrations
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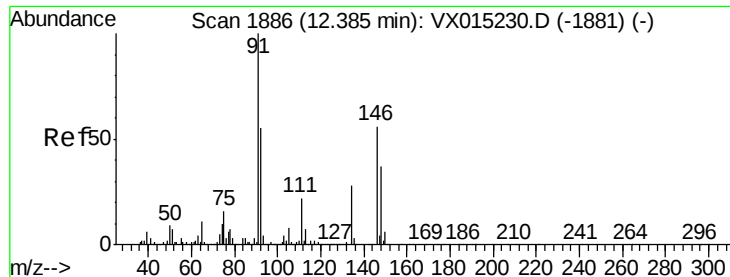
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3/16/2020 11:43:45 AM



#86
Hexachloroethane
Concen: 2.183 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015236.D
Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	4648		
201	89.0	47.8	143.3	





#87

1,2-Dichlorobenzene

Concen: 2.421 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

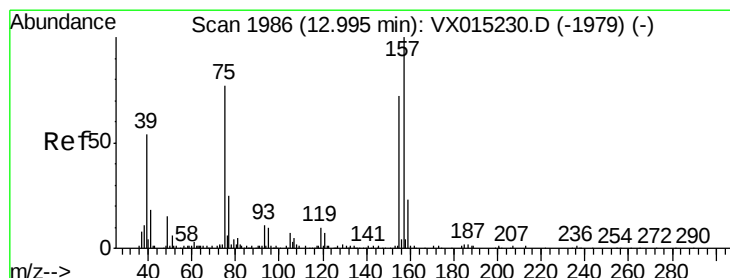
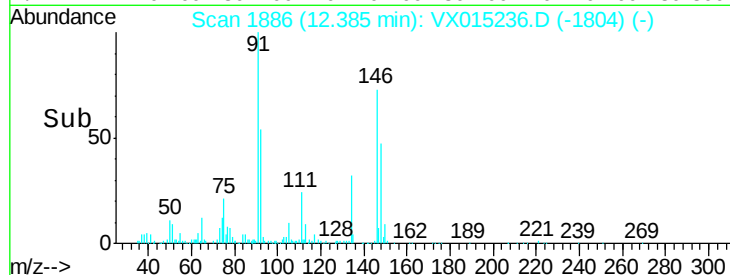
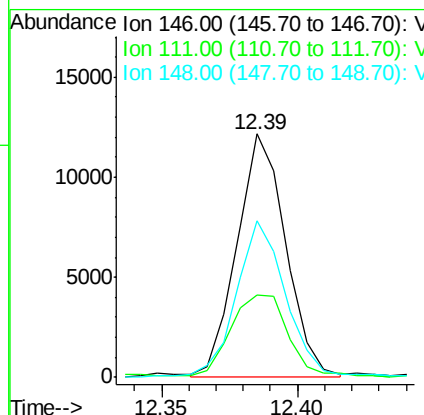
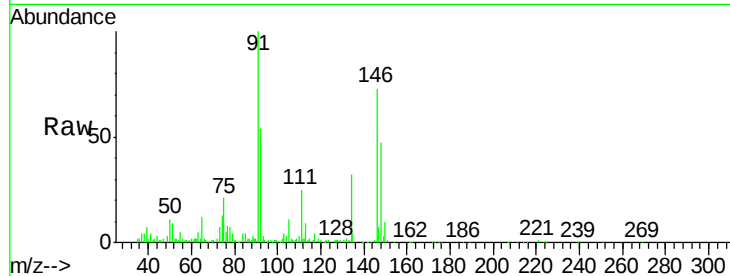
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	146	Resp:	15146
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.4	58.4
148	64.9	32.4	97.0

Manual Integrations
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3/16/2020 11:43:45 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.748 ug/l

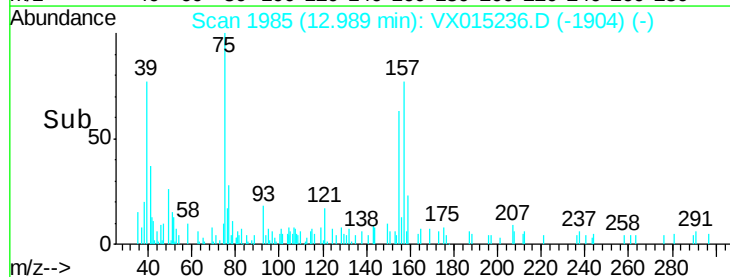
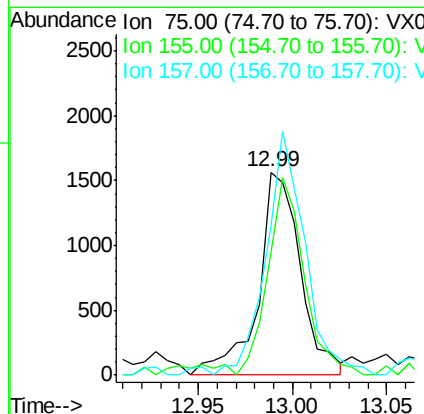
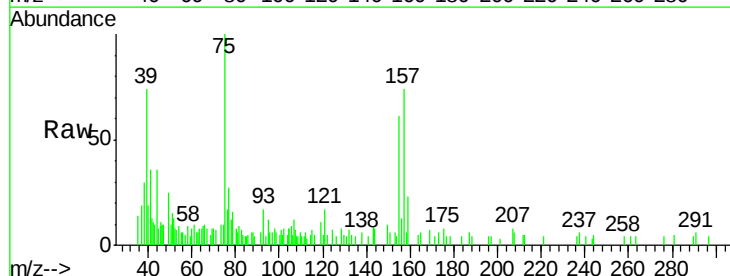
RT: 12.99 min Scan# 1985

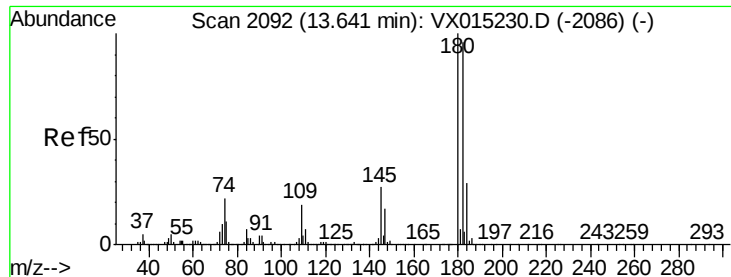
Delta R.T. -0.01 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	75	Resp:	2446
Ion Ratio	Lower	Upper	
75	100		
155	83.2	77.5	116.3
157	109.8	103.0	154.4





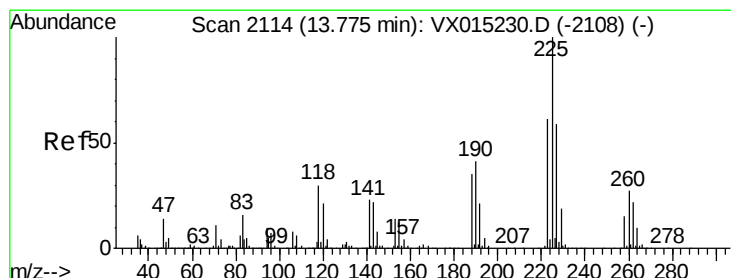
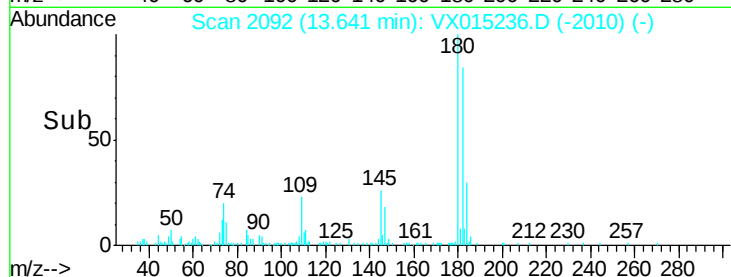
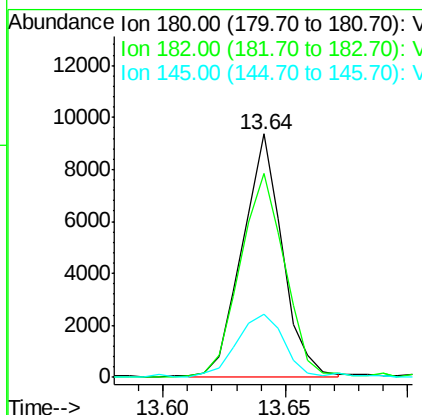
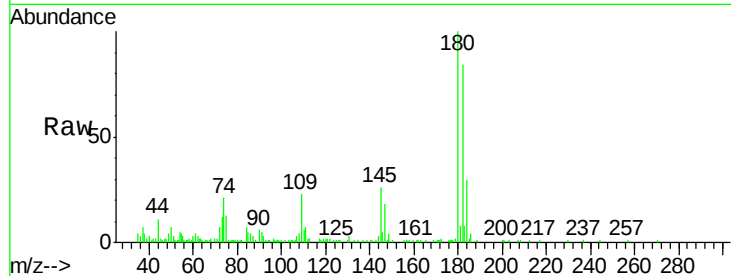
#89
 1,2,4-Trichlorobenzene
 Concen: 2.317 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	115.0
145	30.7	22.7	34.1

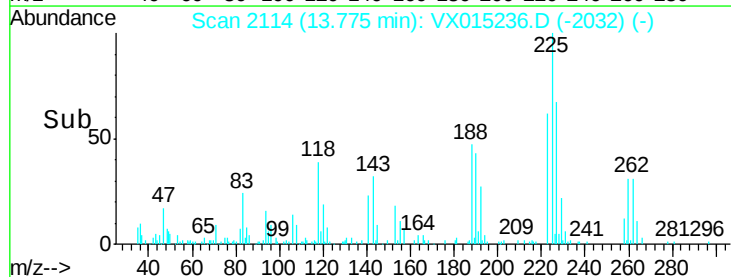
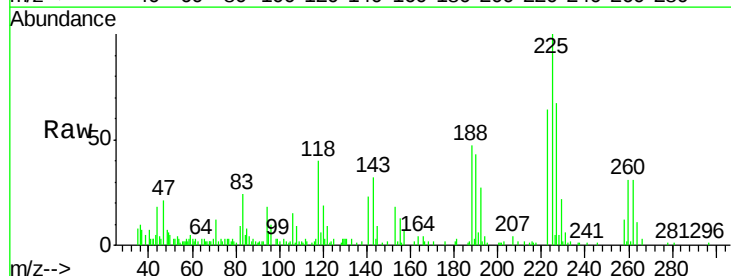
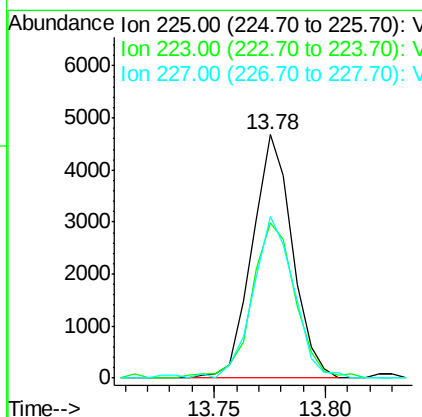
Manual Integrations
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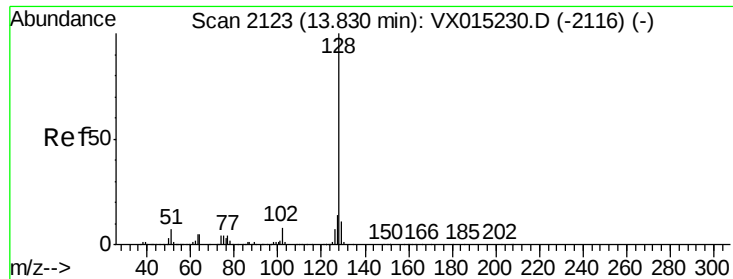
MMDadoda
 3/16/2020 11:43:45 AM



#90
 Hexachlorobutadiene
 Concen: 2.479 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015236.D
 Acq: 12 Mar 2020 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	125.0
227	66.8	0.0	126.2





#91

Naphthalene

Concen: 1.866 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Instrument :

MSVOA_X

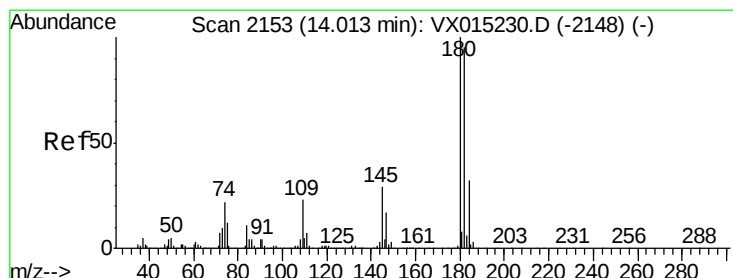
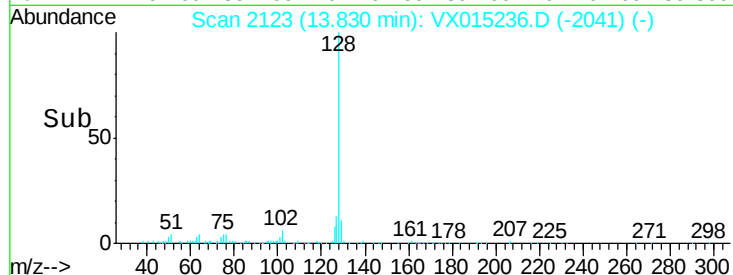
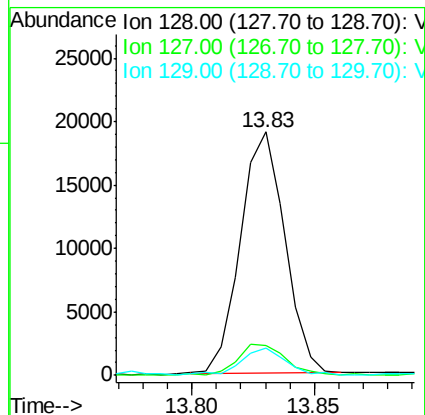
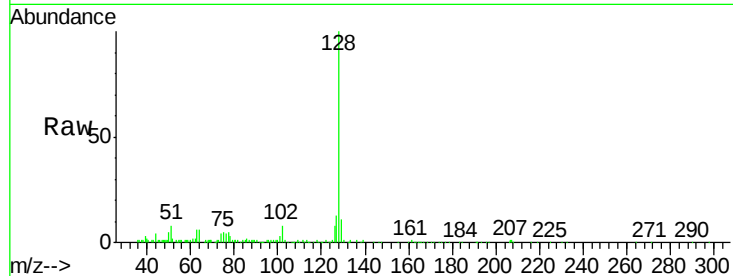
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	128	Resp:	23904
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	11.2	8.7	13.1

Manual Integrations
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3/16/2020 11:43:45 AM



#92

1,2,3-Trichlorobenzene

Concen: 2.448 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX015236.D

Acq: 12 Mar 2020 15:44

Tgt Ion:	180	Resp:	11397
Ion	Ratio	Lower	Upper
180	100		
182	89.0	0.0	192.0
145	27.8	0.0	60.0

