

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015101.D
 Acq On : 05 Mar 2020 11:03
 Operator : JC/SP
 Sample : L1161-07 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 06 04:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	353904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	546094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	217884	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	5.49	113	173026	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	652269	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	220808	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1816	0.586	ug/l	90
3) Chloromethane	1.32	50	2730	0.622	ug/l	92
4) Vinyl Chloride	1.40	62	3602	0.809	ug/l	92
5) Bromomethane	1.65	94	2586	0.945	ug/l	100
6) Chloroethane	1.72	64	2098	0.786	ug/l	98
7) Trichlorofluoromethane	1.93	101	3291	0.621	ug/l	94
8) Diethyl Ether	2.18	74	1321	0.551	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1845	0.554	ug/l #	77
10) Methyl Iodide	2.51	142	2410	0.640	ug/l #	63
11) Tert butyl alcohol	3.01	59	5827	7.999	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	2073	0.603	ug/l	85
13) Acrolein	2.28	56	2128	3.108	ug/l #	76
14) Allyl chloride	2.72	41	4154	0.693	ug/l	92
15) Acrylonitrile	3.14	53	4489	2.474	ug/l	90
16) Acetone	2.44	43	6930	4.076	ug/l	98
17) Carbon Disulfide	2.56	76	6110	0.640	ug/l #	91
18) Methyl Acetate	2.76	43	2961	0.712	ug/l #	69
19) Methyl tert-butyl Ether	3.19	73	6306	0.587	ug/l	92
20) Methylene Chloride	2.85	84	3548	0.892	ug/l #	91
21) trans-1,2-Dichloroethene	3.16	96	2336	0.636	ug/l #	78
22) Diisopropyl ether	3.85	45	5243	0.439	ug/l	87
23) Vinyl Acetate	3.81	43	21972	2.237	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	3619	0.546	ug/l #	82
25) 2-Butanone	4.68	43	7662	3.078	ug/l	93
26) 2,2-Dichloropropane	4.57	77	2760	0.524	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2784	0.676	ug/l	76
28) Bromochloromethane	5.00	49	2957m	0.979	ug/l	
29) Tetrahydrofuran	5.14	42	3648	2.273	ug/l #	67
30) Chloroform	5.20	83	4091	0.633	ug/l	92
31) Cyclohexane	5.58	56	2176	0.368	ug/l #	87
32) 1,1,1-Trichloroethane	5.50	97	3446m	0.643	ug/l	
36) 1,1-Dichloropropene	5.79	75	3023m	0.599	ug/l	
37) Ethyl Acetate	4.84	43	1745	0.373	ug/l #	79
38) Carbon Tetrachloride	5.78	117	3104	0.651	ug/l #	67

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Manual Integrations
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Quant Time: Mar 06 04:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3772	0.640	ug/l #	64
40) Benzene	6.14	78	7636	0.510	ug/l	99
41) Methacrylonitrile	5.03	41	1680	0.597	ug/l #	32
42) 1,2-Dichloroethane	6.19	62	3349	0.651	ug/l #	67
43) Isopropyl Acetate	6.44	43	5031	0.611	ug/l #	73
44) Trichloroethene	7.20	130	3106	0.745	ug/l	77
45) 1,2-Dichloropropane	7.51	63	1918	0.495	ug/l #	81
46) Dibromomethane	7.66	93	2418	0.957	ug/l #	81
47) Bromodichloromethane	7.89	83	2642	0.529	ug/l #	94
48) Methyl methacrylate	7.77	41	1692	0.404	ug/l #	89
49) 1,4-Dioxane	7.75	88	906	9.994	ug/l #	56
51) 4-Methyl-2-Pentanone	8.64	43	10848	2.227	ug/l	98
52) Toluene	8.78	92	5274	0.576	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	2573	0.484	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	2938	0.489	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	2158	0.573	ug/l	96
56) Ethyl methacrylate	9.18	69	2208	0.411	ug/l #	72
57) 1,3-Dichloropropane	9.37	76	4052	0.639	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	6994	2.388	ug/l	98
59) 2-Hexanone	9.49	43	9082	2.516	ug/l	85
60) Dibromochloromethane	9.57	129	2148	0.542	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2392	0.604	ug/l	90
64) Tetrachloroethene	9.33	164	2843	0.688	ug/l	90
65) Chlorobenzene	10.14	112	5625	0.560	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.21	131	2296	0.606	ug/l #	61
67) Ethyl Benzene	10.25	91	9092	0.533	ug/l	94
68) m/p-Xylenes	10.36	106	6379	0.983	ug/l	92
69) o-Xylene	10.70	106	2948	0.475	ug/l	99
70) Styrene	10.71	104	4422	0.415	ug/l #	83
71) Bromoform	10.85	173	1547	0.527	ug/l #	86
73) Isopropylbenzene	11.01	105	6891	0.444	ug/l	90
74) N-amyl acetate	10.90	43	2891	0.442	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.26	83	3363	0.650	ug/l #	94
76) 1,2,3-Trichloropropane	11.29	75	2288m	0.472	ug/l	
77) Bromobenzene	11.25	156	2619	0.605	ug/l	90
78) n-propylbenzene	11.35	91	8377	0.472	ug/l	79
79) 2-Chlorotoluene	11.42	91	6439	0.608	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	5624	0.435	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	1040m	0.609	ug/l	
82) 4-Chlorotoluene	11.51	91	7526	0.602	ug/l	96
83) tert-Butylbenzene	11.76	119	6069	0.486	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	5855	0.451	ug/l	90
85) sec-Butylbenzene	11.94	105	7749	0.514	ug/l	93
86) p-Isopropyltoluene	12.06	119	5877	0.423	ug/l #	66
87) 1,3-Dichlorobenzene	12.03	146	4937	0.649	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	5590m	0.712	ug/l	
89) n-Butylbenzene	12.38	91	6292	0.509	ug/l	93
90) Hexachloroethane	12.59	117	1599	0.609	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	4739	0.627	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	983m	0.949	ug/l	

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LOD-MDL-WATER-01-QT1-2020DL

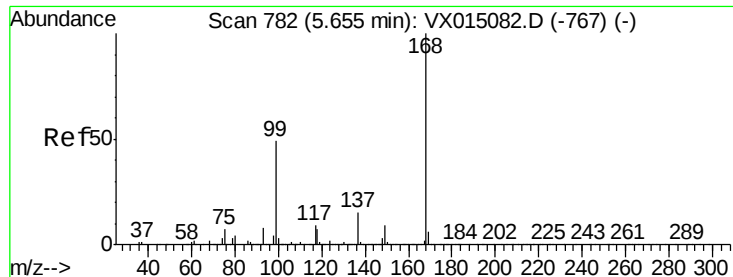
Manual Integrations
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3/6/2020 4:49:49 PM

Quant Time: Mar 06 04:17:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 06 03:01:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	3830	0.730	ug/l	88
94) Hexachlorobutadiene	13.78	225	1794	0.666	ug/l	93
95) Naphthalene	13.83	128	6541	0.456	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	3170	0.605	ug/l	96

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



#1

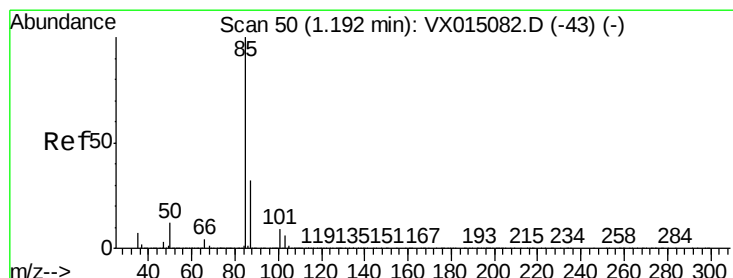
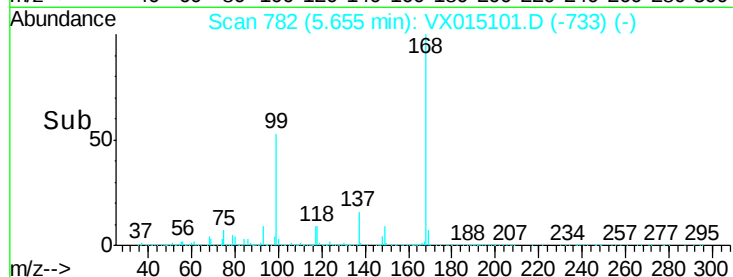
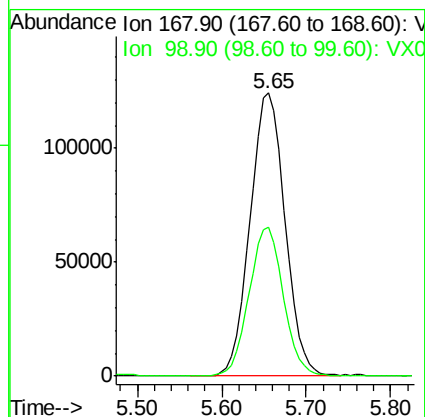
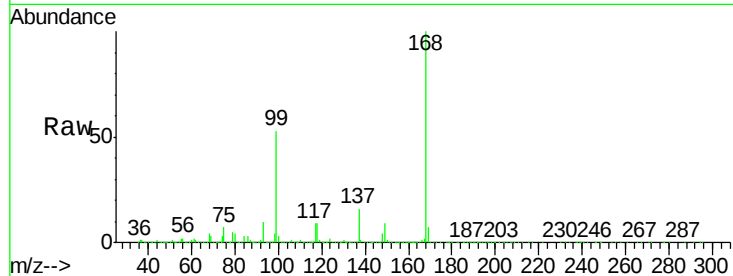
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.6	39.4	59.2

Manual Integrations
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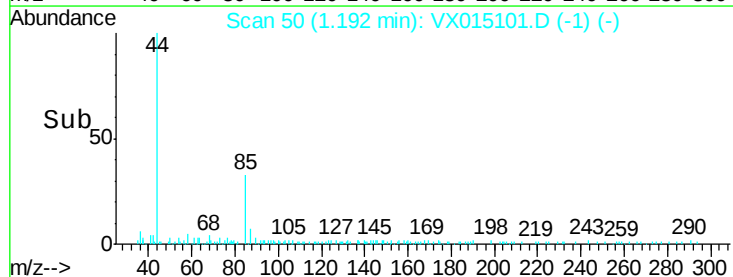
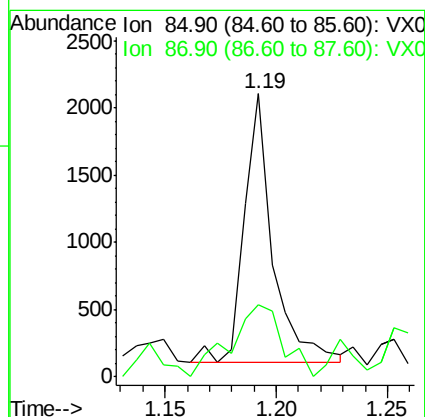
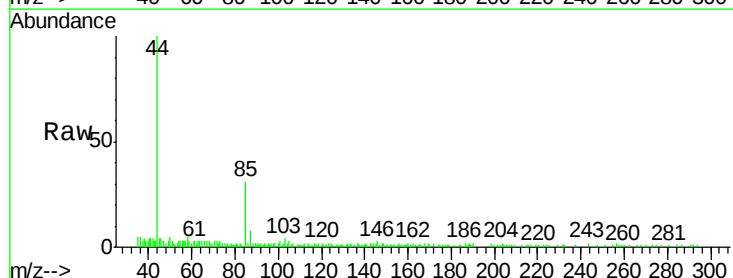
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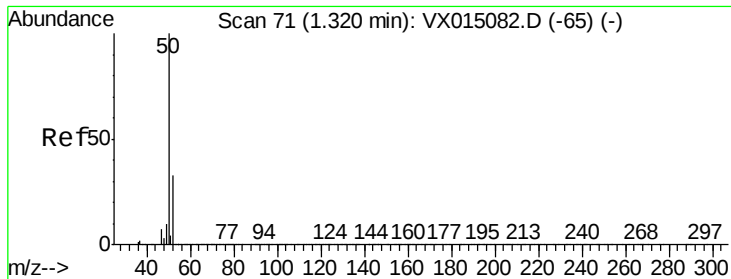


#2

Dichlorodifluoromethane
Concen: 0.586 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	26.7	16.2	48.5





#3

Chloromethane

Concen: 0.622 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 50 Resp: 2730

Ion Ratio Lower Upper

50 100

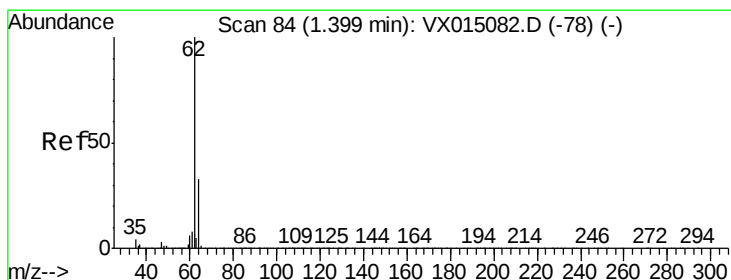
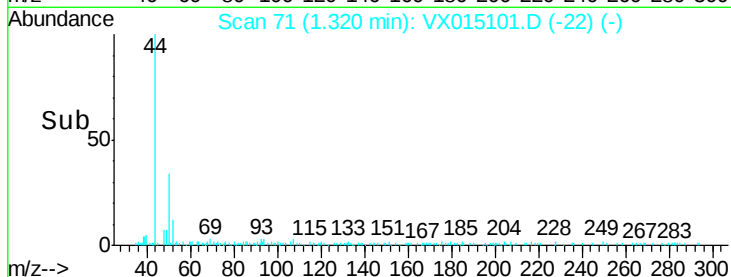
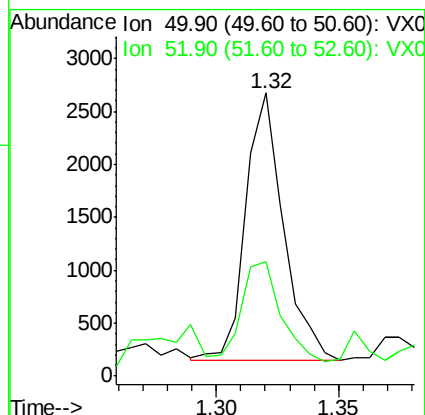
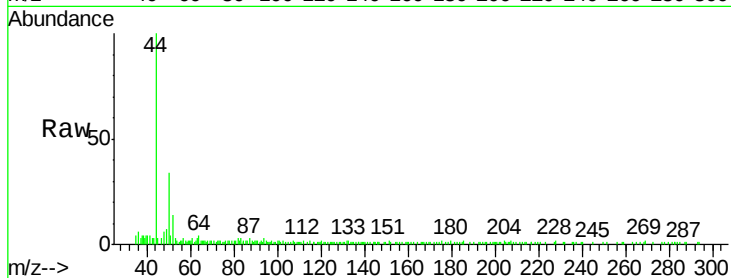
52 37.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.809 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015101.D

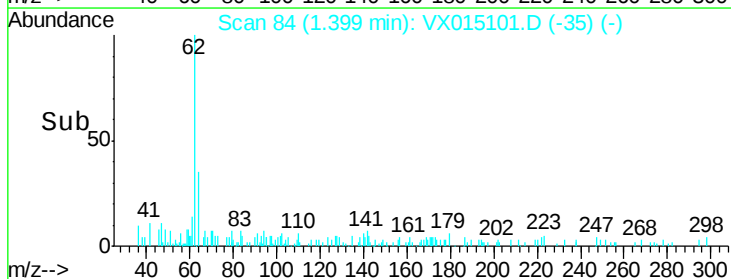
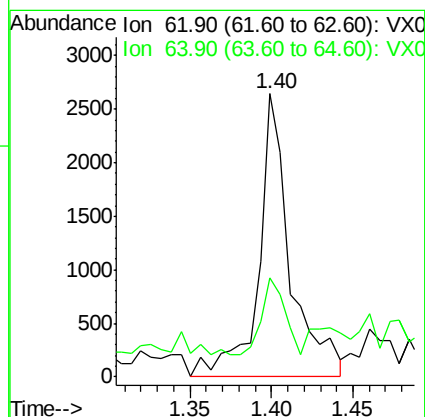
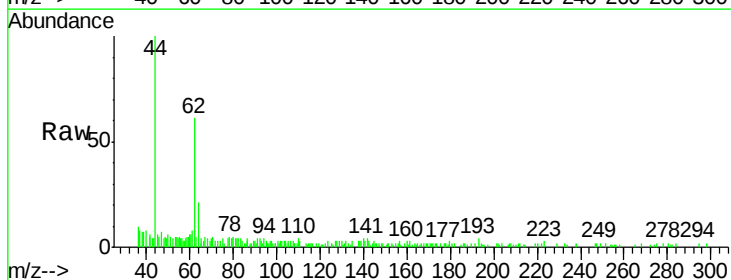
Acq: 05 Mar 2020 11:03

Tgt Ion: 62 Resp: 3602

Ion Ratio Lower Upper

62 100

64 27.9 26.1 39.1





#5

Bromomethane

Concen: 0.945 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 94 Resp: 2586

Ion Ratio Lower Upper

94 100

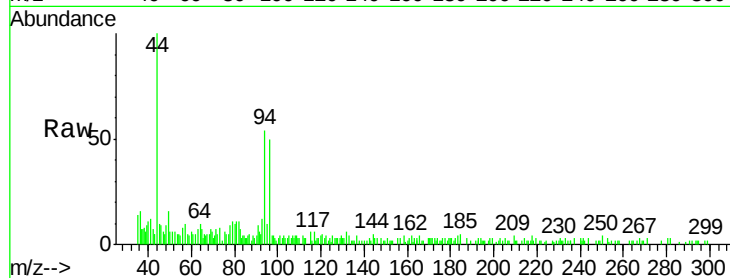
96 92.8 74.6 111.8

Manual Integrations

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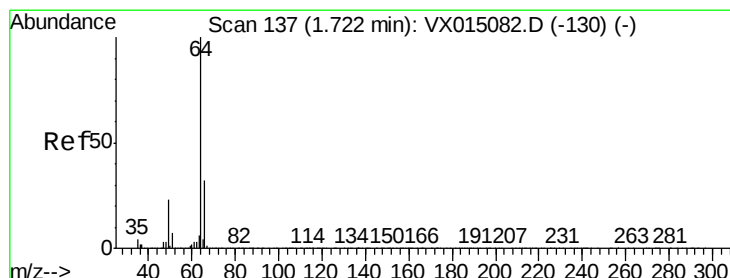
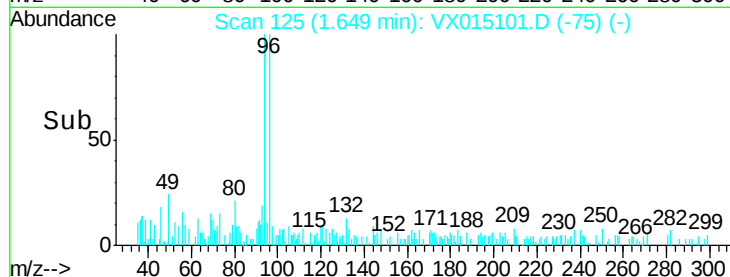
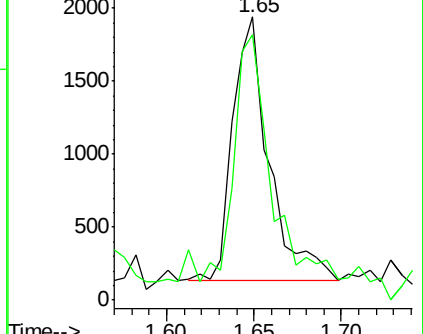
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.786 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015101.D

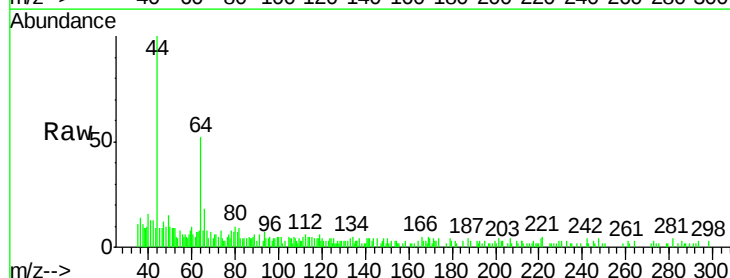
Acq: 05 Mar 2020 11:03

Tgt Ion: 64 Resp: 2098

Ion Ratio Lower Upper

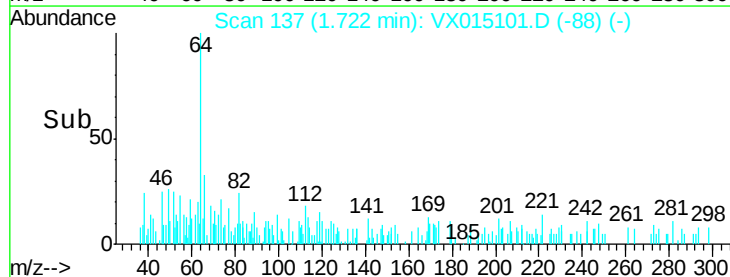
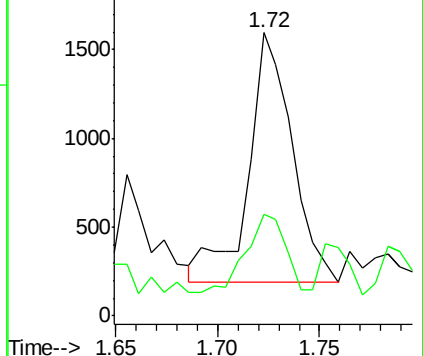
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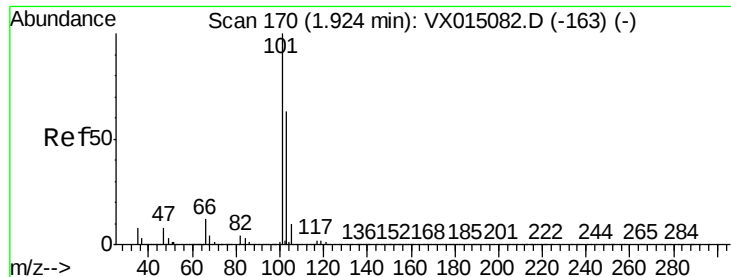
66 31.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

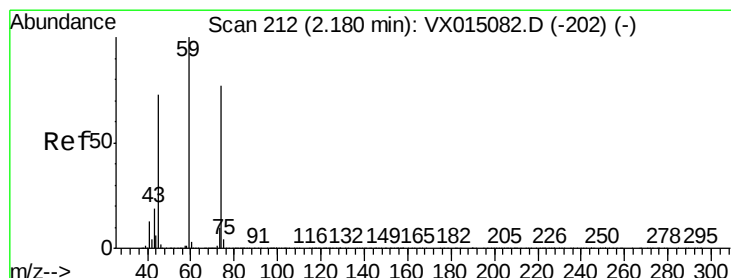
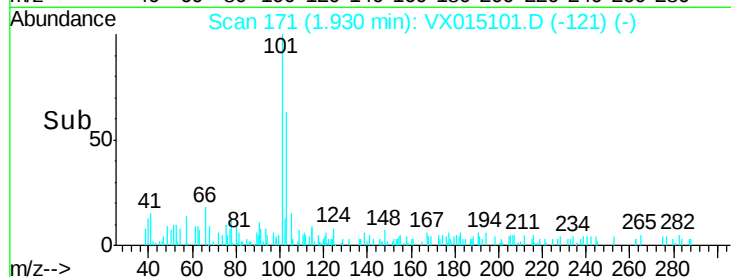
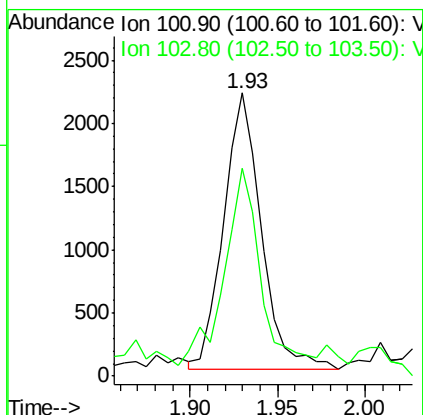
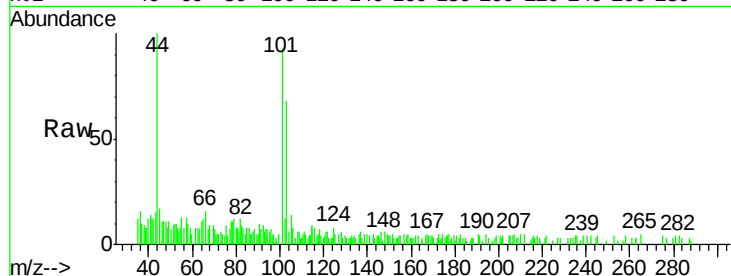
Trichlorofluoromethane
Concen: 0.621 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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MSVOA_X
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LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	50.4	75.6

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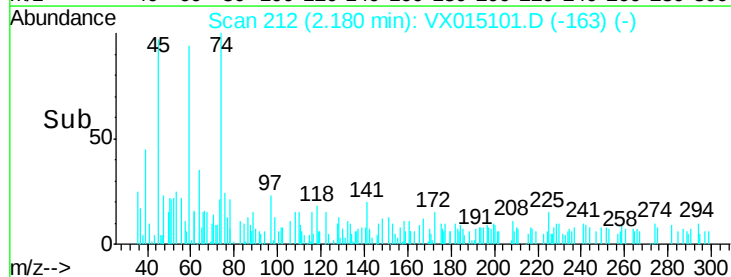
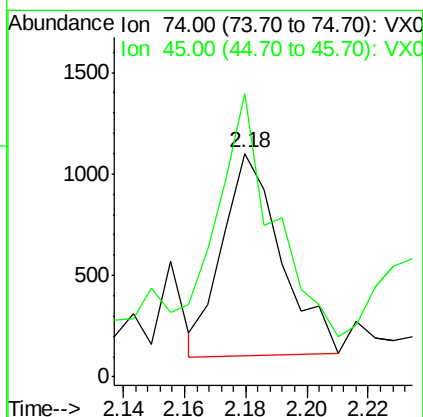
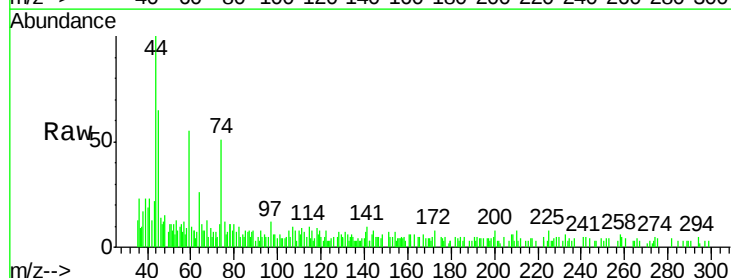
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3/6/2020 4:49:49 PM

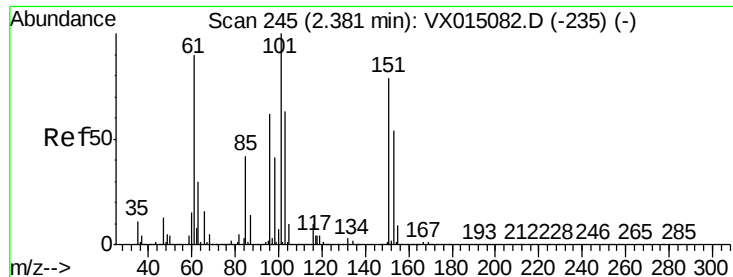


#8

Diethyl Ether
Concen: 0.551 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.5	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.554 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

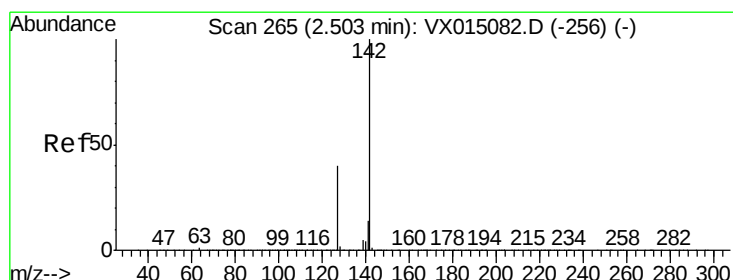
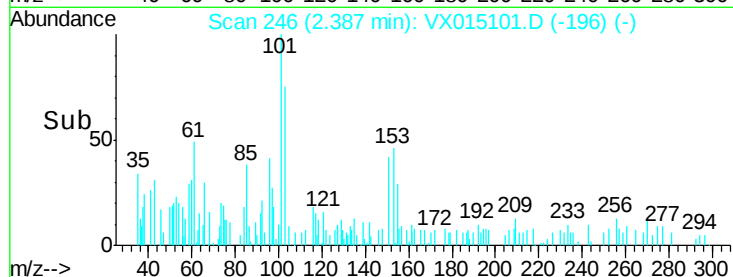
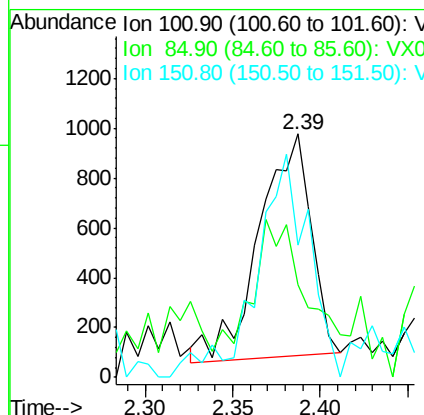
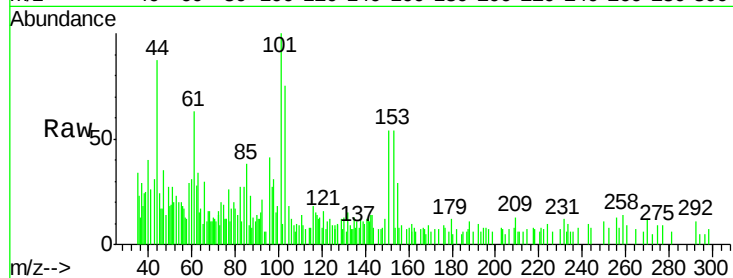
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	101	Resp:	1845
Ion Ratio	Lower	Upper	
101	100		
85	56.6	33.7	50.5#
151	100.6	64.0	96.0#

Manual Integrations
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#10

Methyl Iodide

Concen: 0.640 ug/l

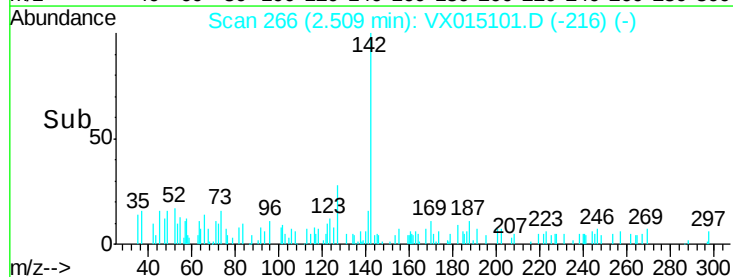
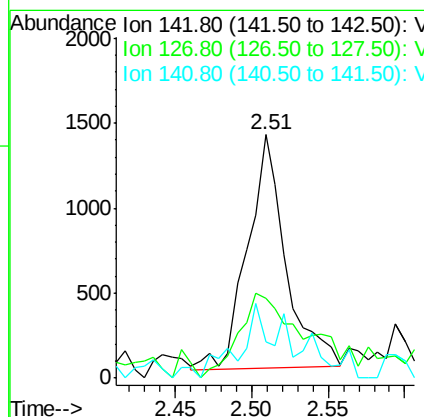
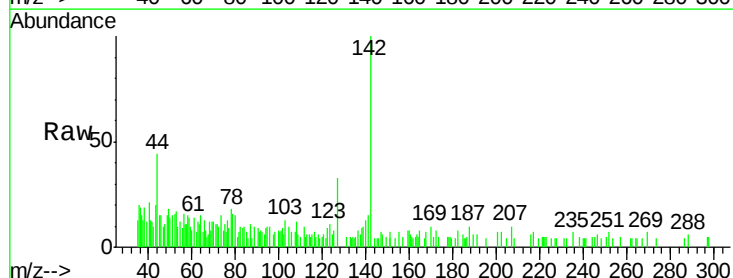
RT: 2.51 min Scan# 266

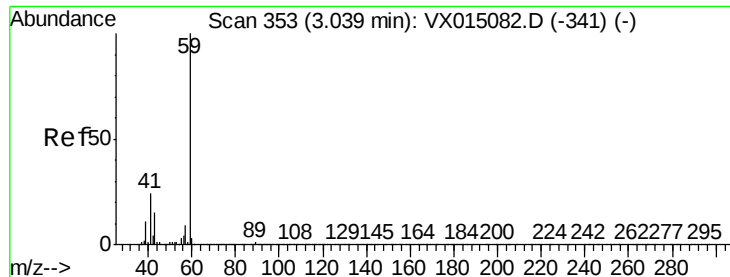
Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	142	Resp:	2410
Ion Ratio	Lower	Upper	
142	100		
127	64.1	31.7	47.5#
141	25.5	11.3	16.9#





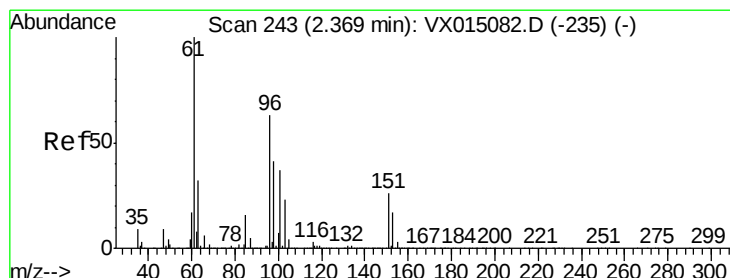
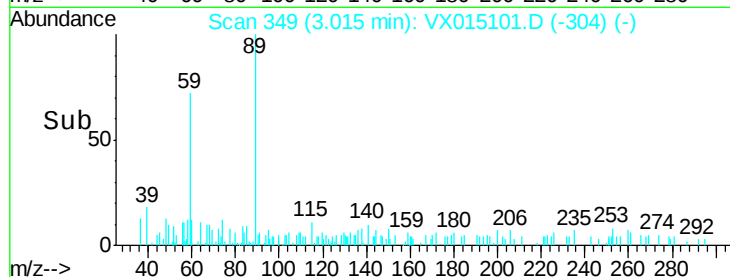
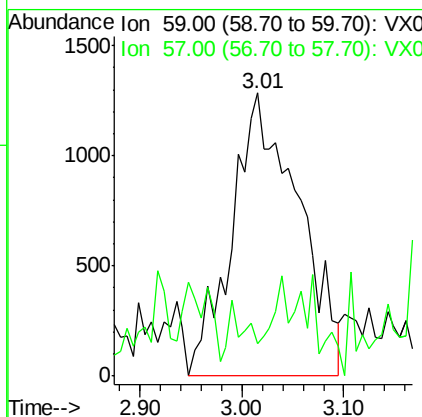
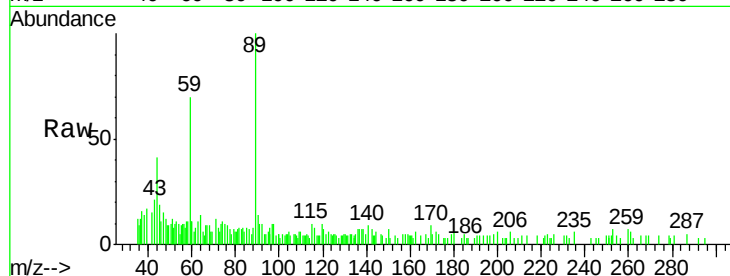
#11
Tert butvl alcohol
Concen: 7.999 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

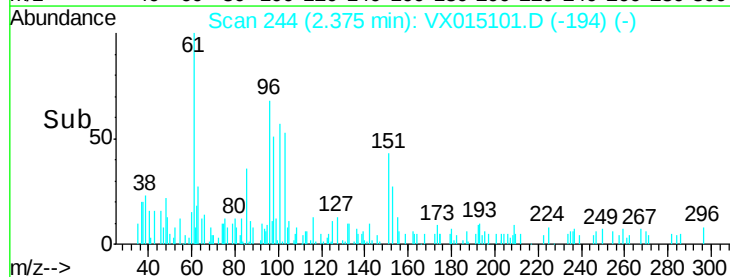
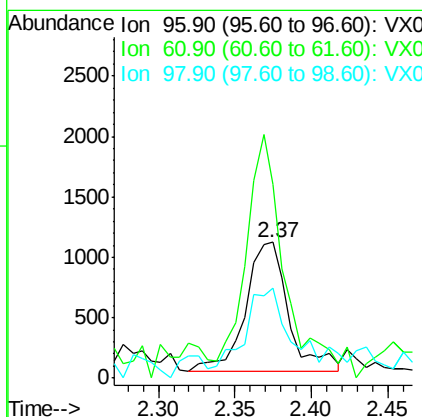
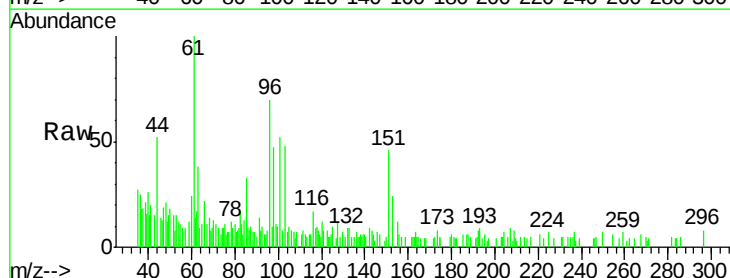
Manual Integrations
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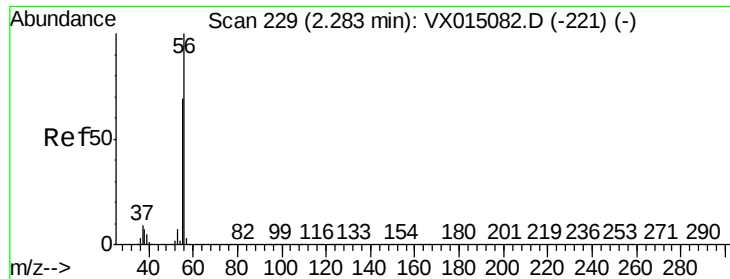
MMDadoda
3/6/2020 4:49:49 PM



#12
1,1-Dichloroethene
Concen: 0.603 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.5	126.2	189.4
98	52.6	51.4	77.0





#13

Acrolein

Concen: 3.108 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 56 Resp: 2128

Ion Ratio Lower Upper

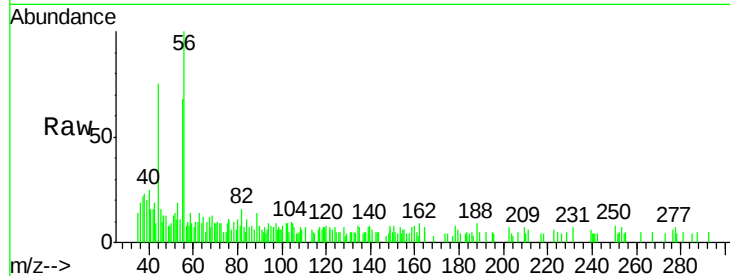
56 100

55 88.7 55.4 83.0#

Manual Integrations
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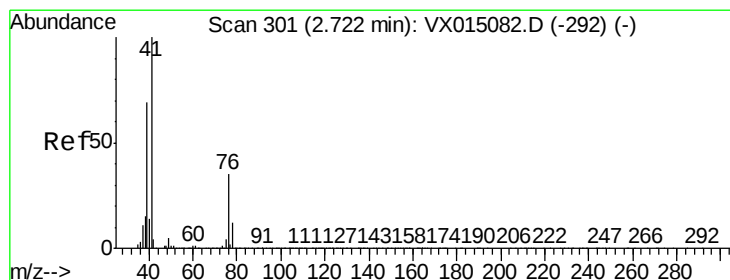
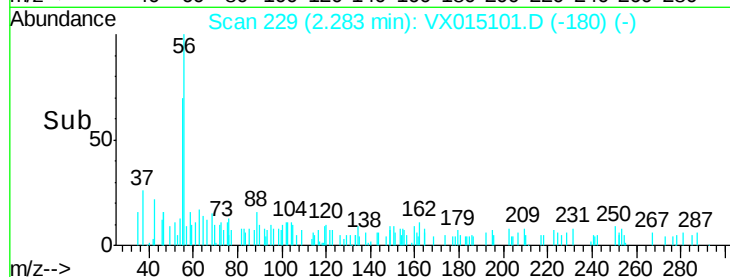
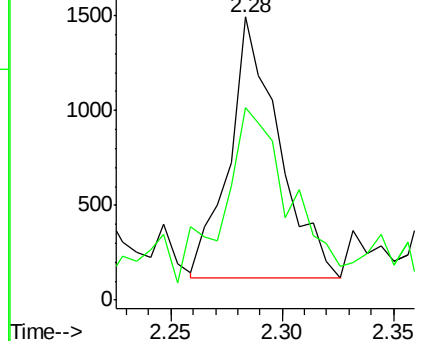
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.693 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

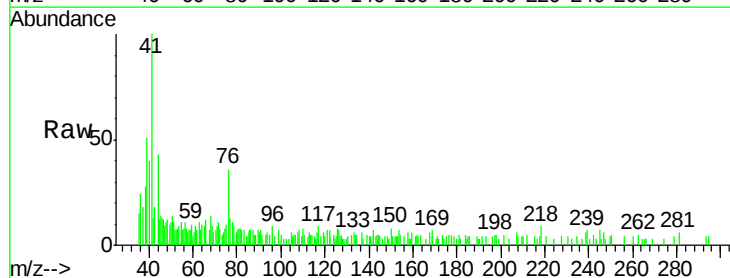
Tgt Ion: 41 Resp: 4154

Ion Ratio Lower Upper

41 100

39 59.3 52.9 79.3

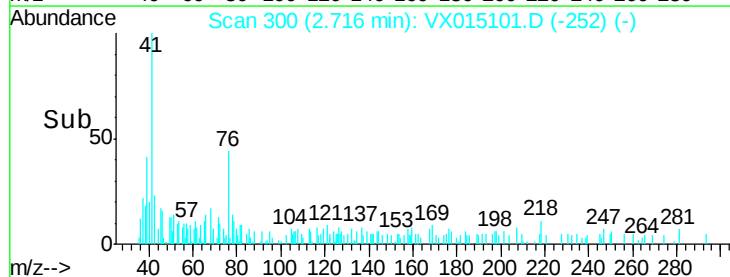
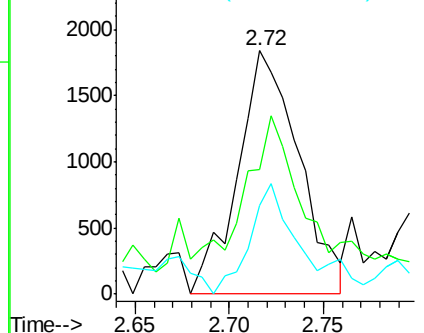
76 37.9 26.8 40.2

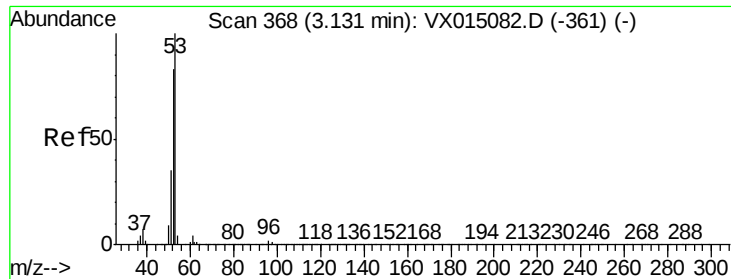


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 2.474 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

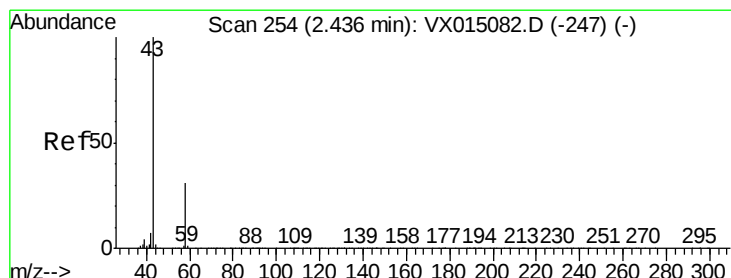
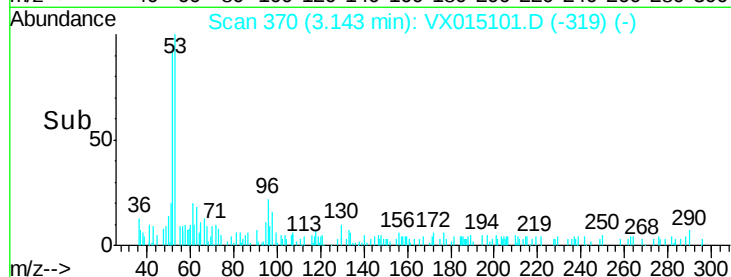
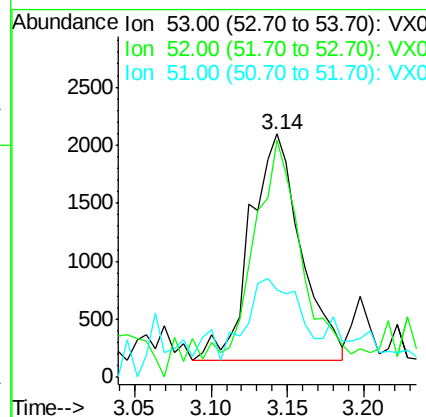
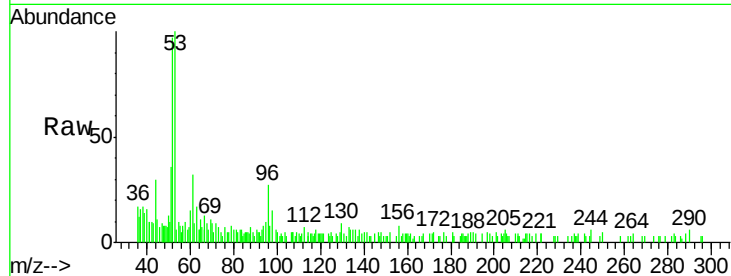
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	53	Resp:	4489
Ion	Ratio	Lower	Upper
53	100		
52	95.8	66.6	100.0
51	35.7	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 4.076 ug/l

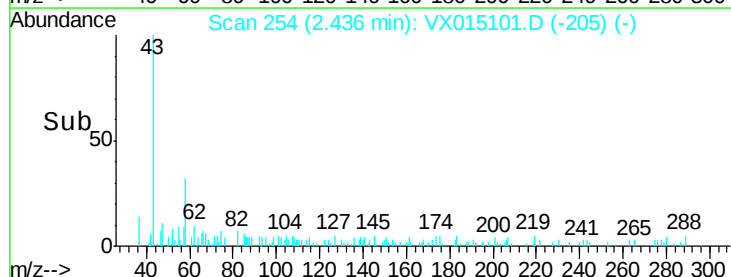
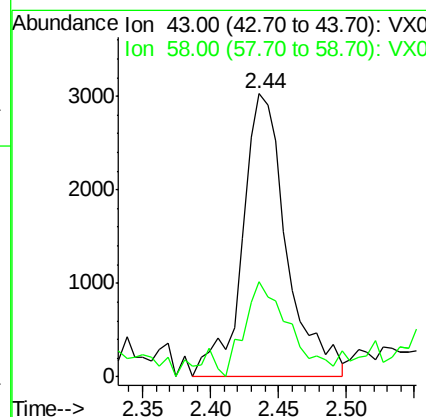
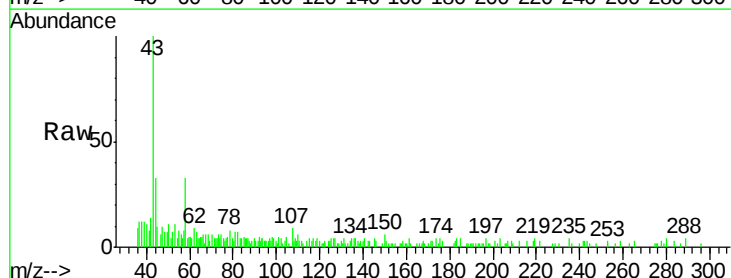
RT: 2.44 min Scan# 254

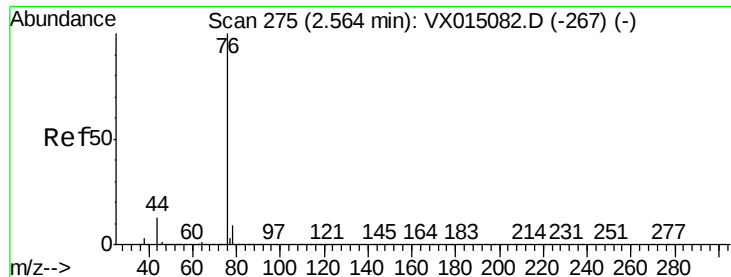
Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	43	Resp:	6930
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.8	37.2





#17

Carbon Disulfide

Concen: 0.640 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 76 Resp: 6110

Ion Ratio Lower Upper

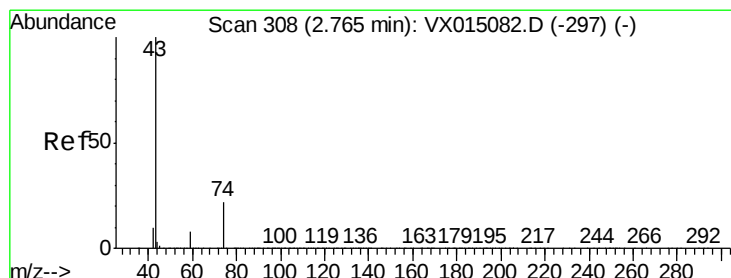
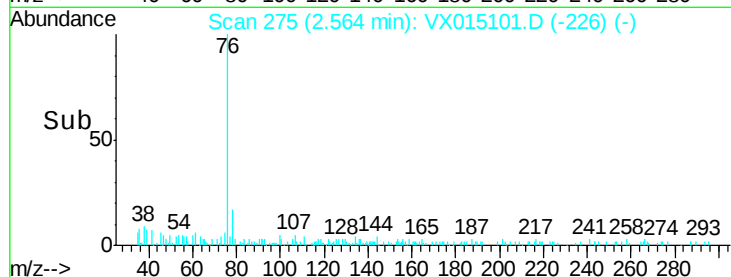
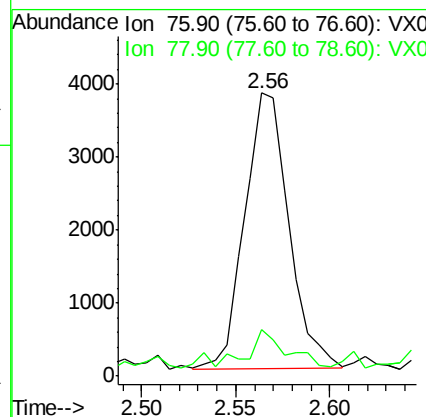
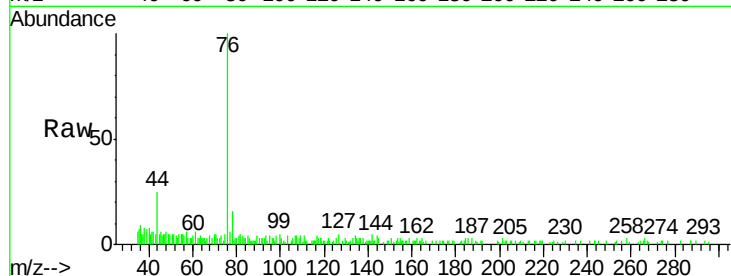
76 100

78 12.4 7.3 10.9#

Manual Integrations
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#18

Methyl Acetate

Concen: 0.712 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015101.D

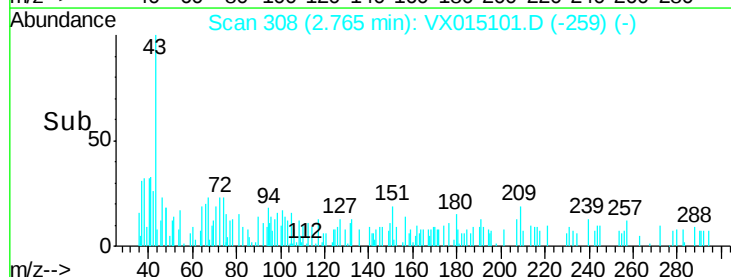
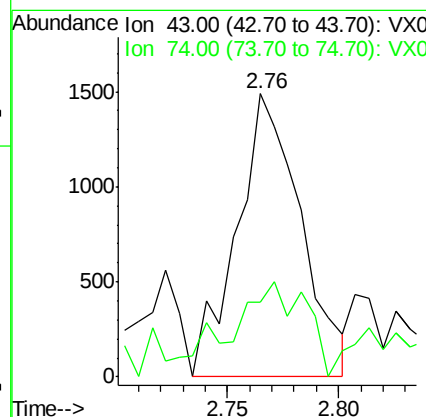
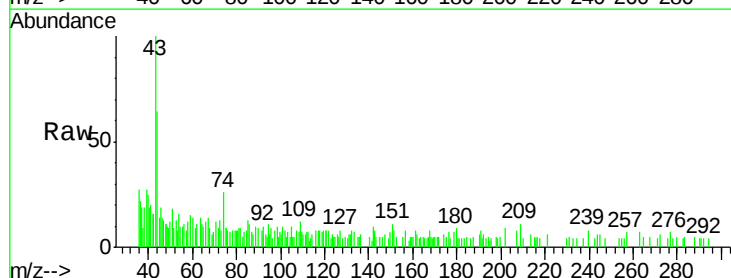
Acq: 05 Mar 2020 11:03

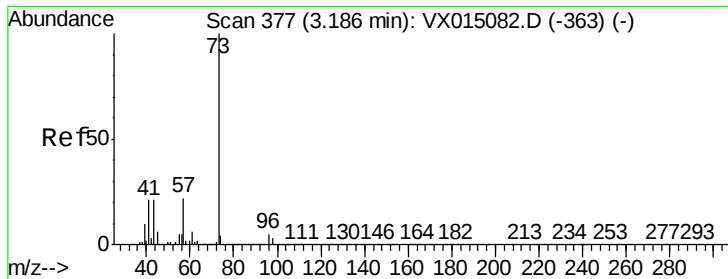
Tgt Ion: 43 Resp: 2961

Ion Ratio Lower Upper

43 100

74 38.5 18.8 28.2#





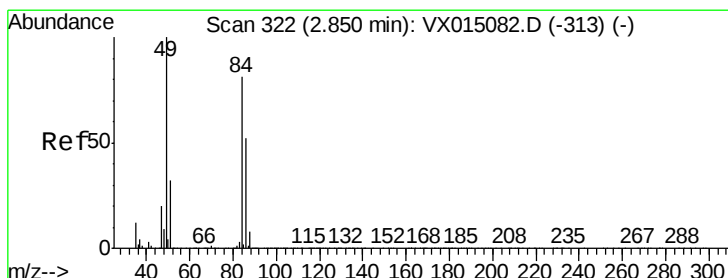
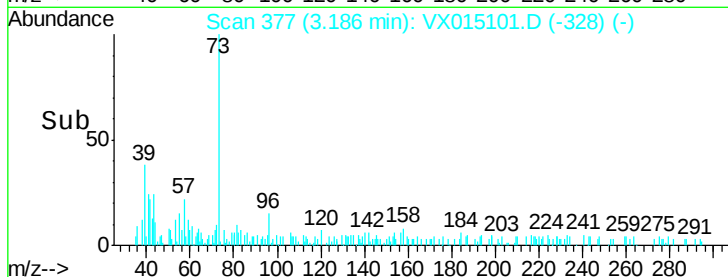
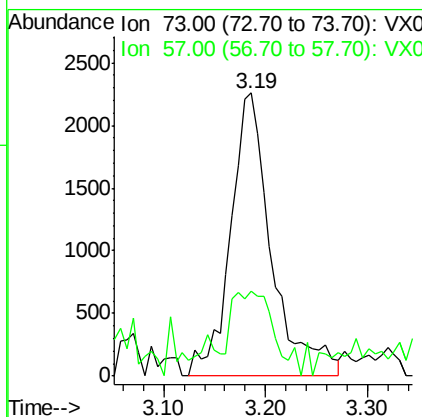
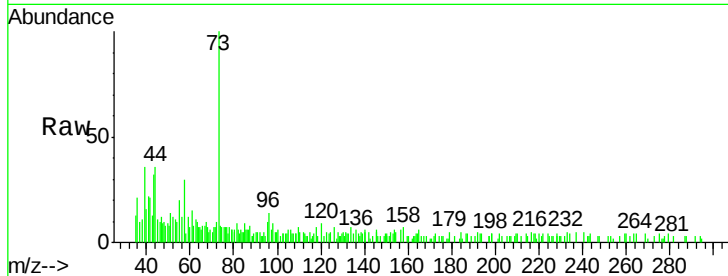
#19
Methvl tert-butvl Ether
Concen: 0.587 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.1	17.8	26.6

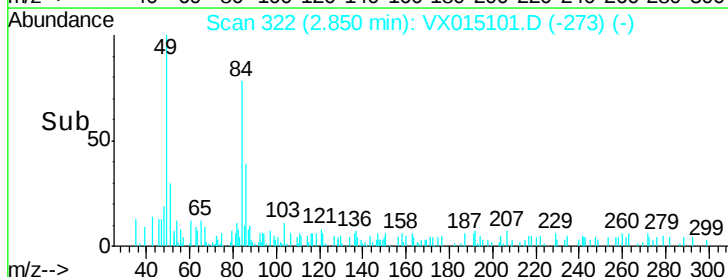
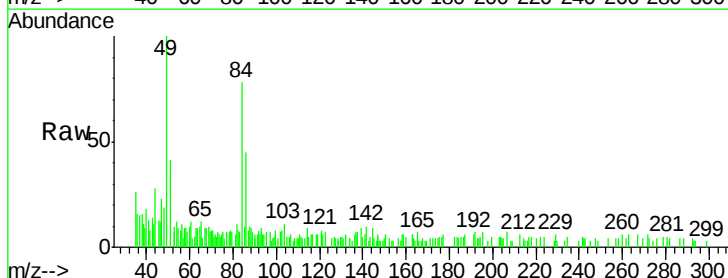
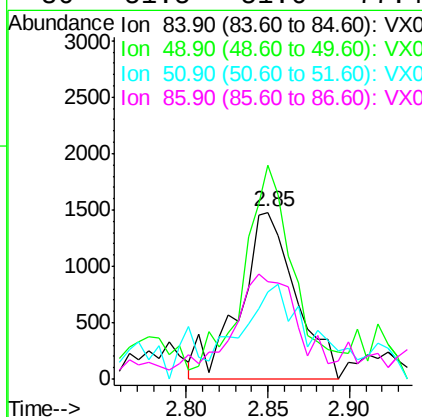
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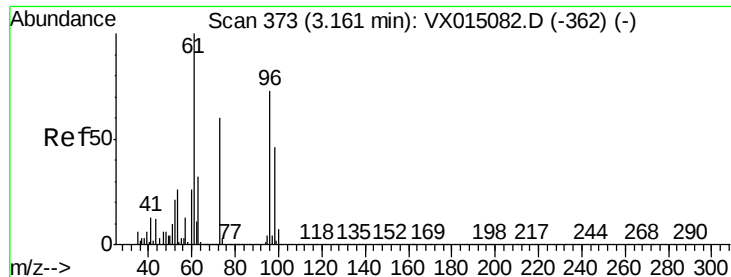
MMDadoda
3/6/2020 4:49:49 PM



#20
Methylene Chloride
Concen: 0.892 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	99.4	149.2
51	38.8	31.5	47.3
86	51.5	51.6	77.4#





#21

trans-1,2-Dichloroethene

Concen: 0.636 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

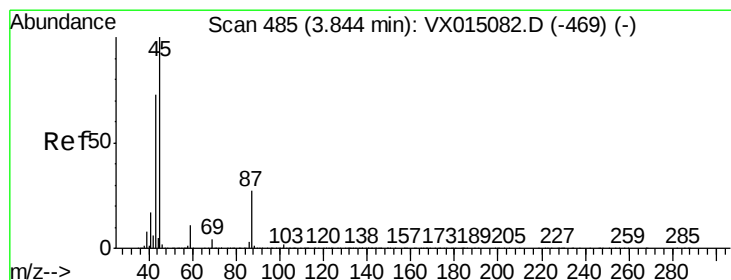
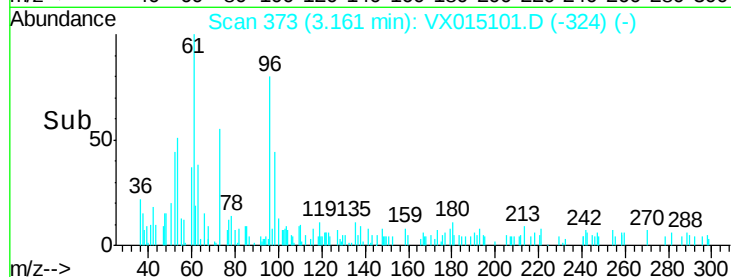
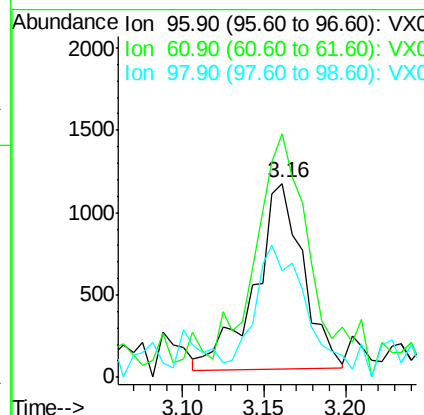
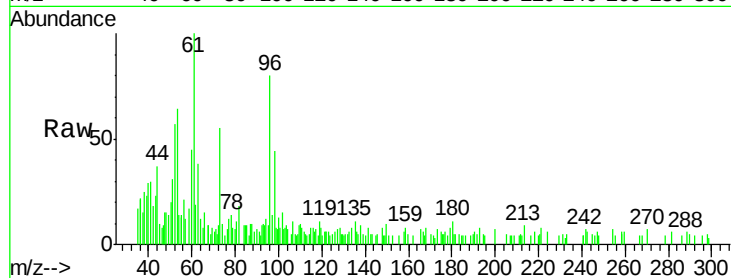
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	96	Resp:	2336
Ion	Ratio	Lower	Upper
96	100		
61	109.9	109.9	164.9
98	46.7	50.2	75.2#

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.439 ug/l

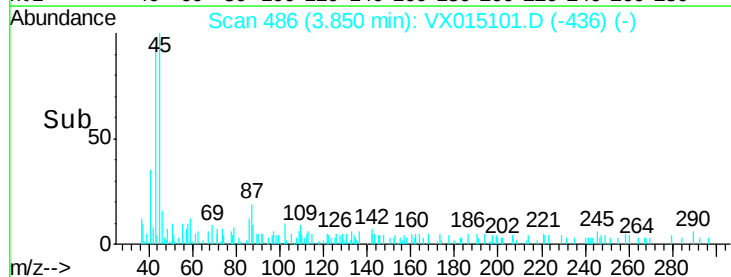
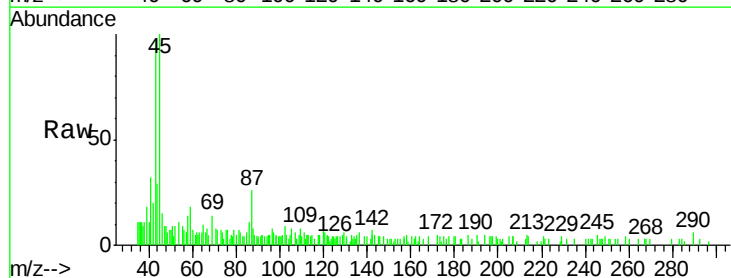
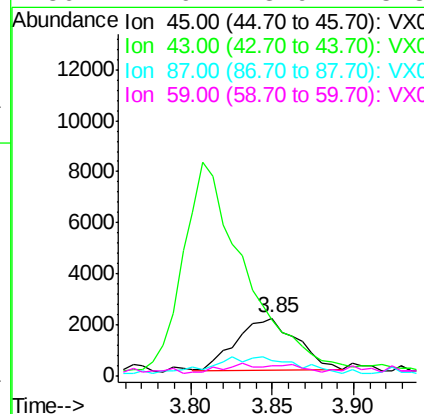
RT: 3.85 min Scan# 486

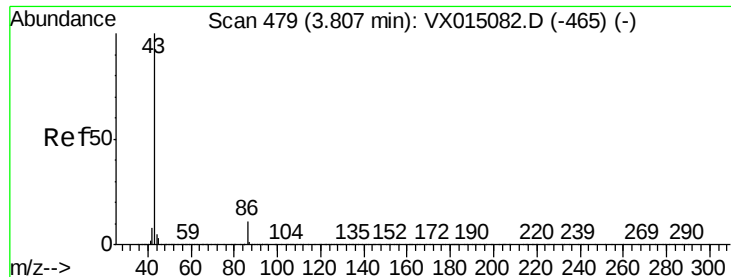
Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	45	Resp:	5243
Ion	Ratio	Lower	Upper
45	100		
43	87.0	58.2	87.2
87	23.0	21.2	31.8
59	11.9	8.9	13.3





#23

Vinyl Acetate

Concen: 2.237 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 21972

Ion Ratio Lower Upper

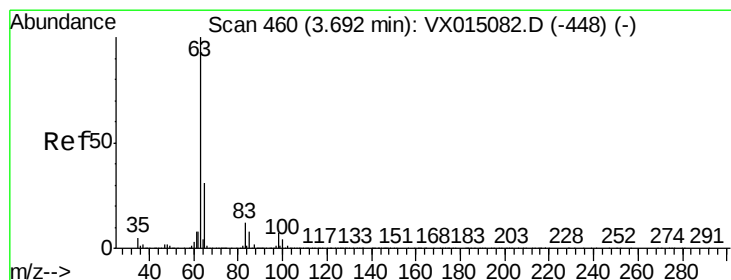
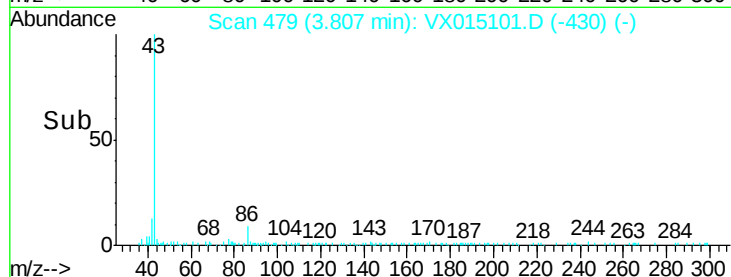
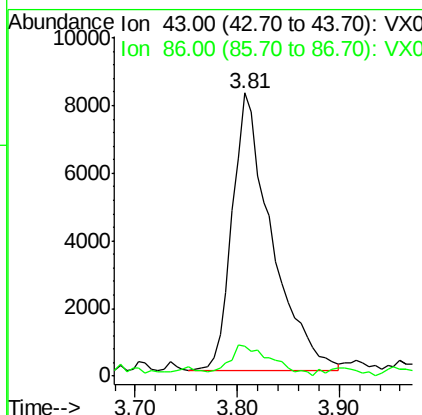
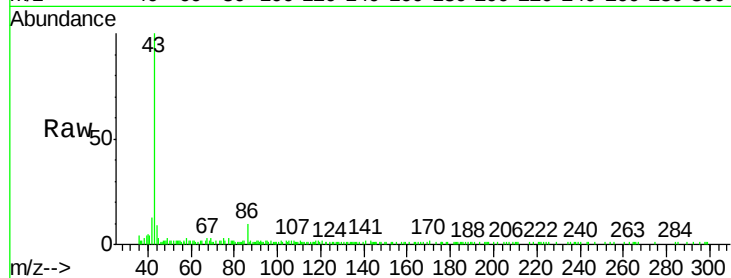
43 100

86 7.9 8.6 12.8#

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



#24

1,1-Dichloroethane

Concen: 0.546 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

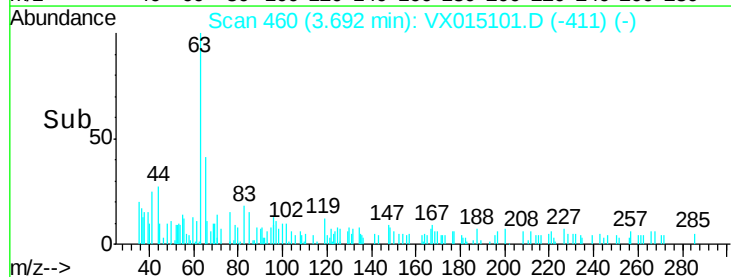
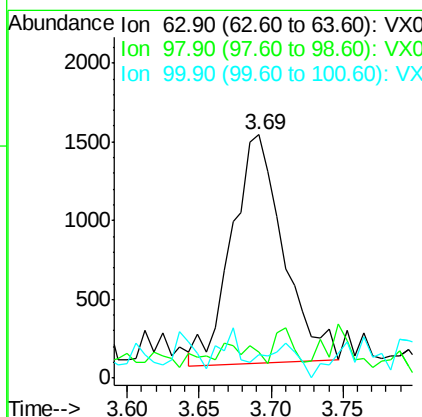
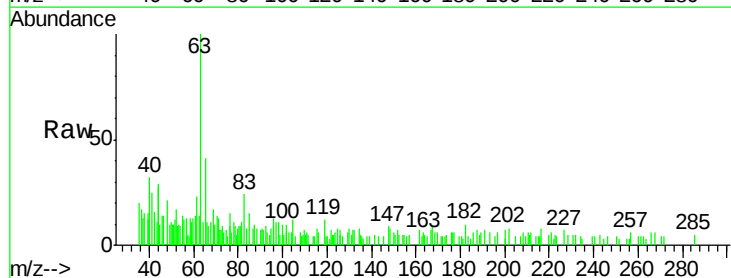
Tgt Ion: 63 Resp: 3619

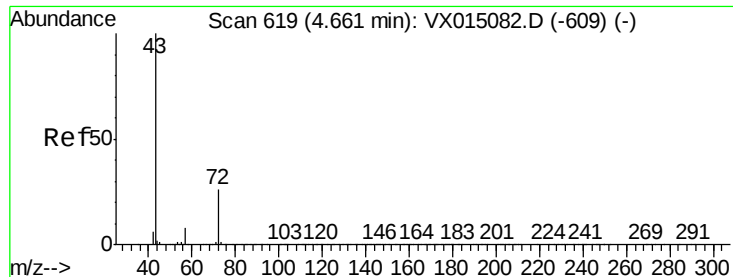
Ion Ratio Lower Upper

63 100

98 0.3 3.7 11.1#

100 0.0 2.1 6.5#





#25

2-Butanone

Concen: 3.078 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 7662

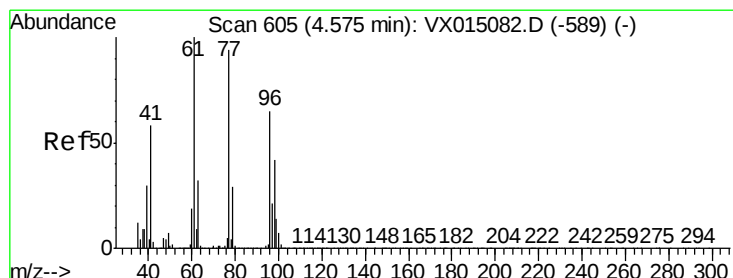
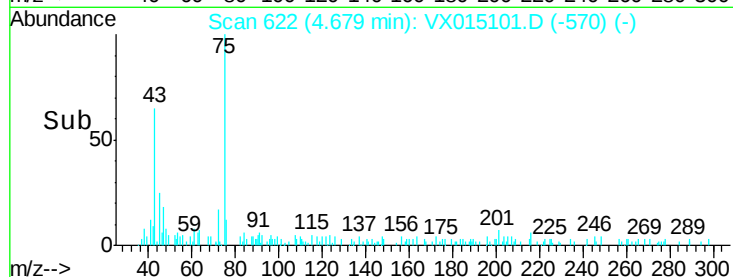
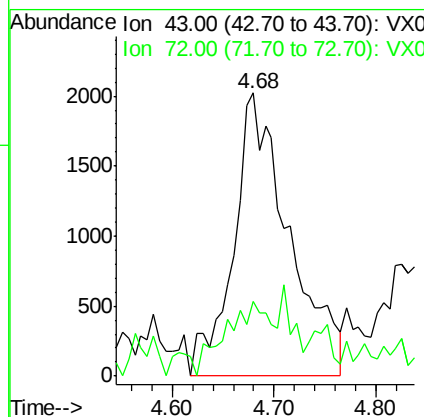
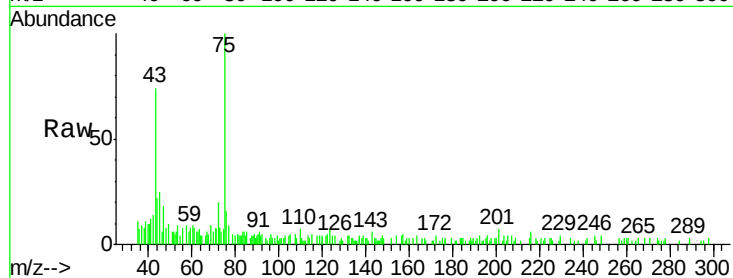
Ion Ratio Lower Upper

43 100

72 22.2 20.6 30.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 0.524 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015101.D

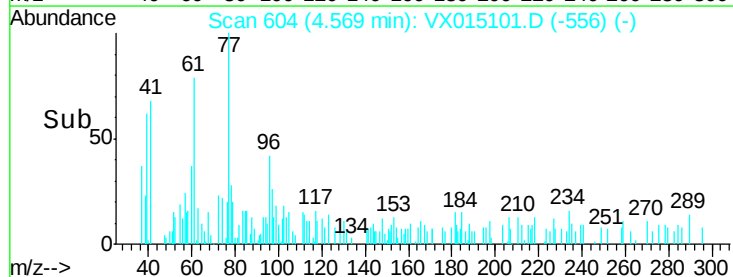
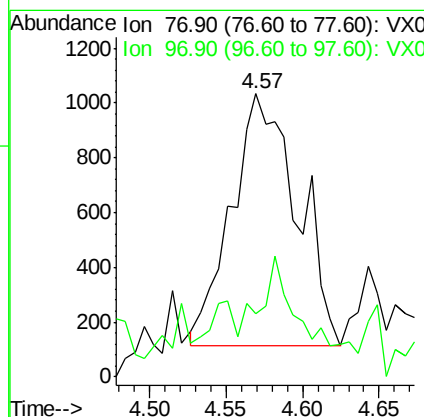
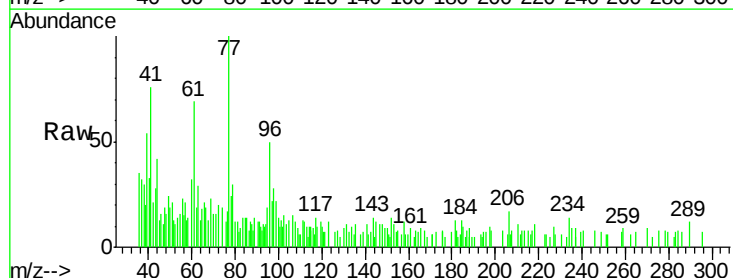
Acq: 05 Mar 2020 11:03

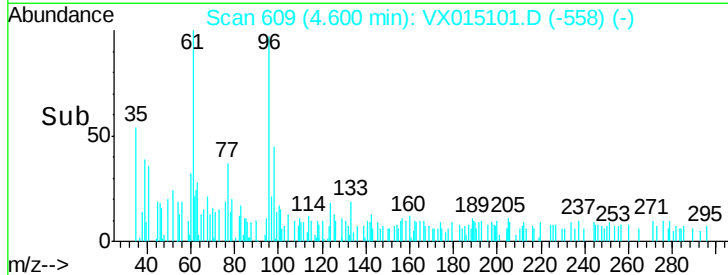
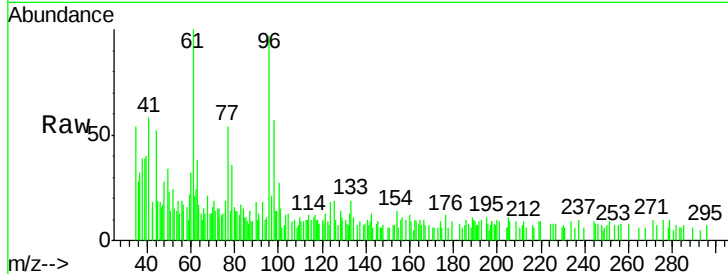
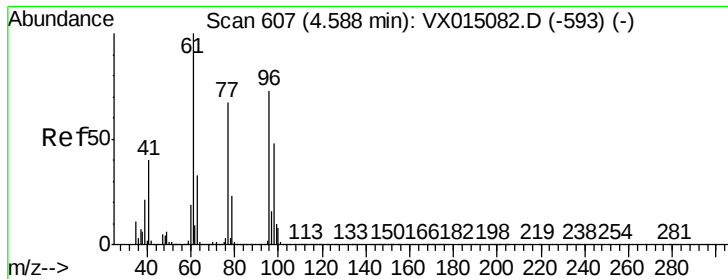
Tgt Ion: 77 Resp: 2760

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 0.676 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.6	0.0	286.8
98	53.5	0.0	128.4

Instrument :

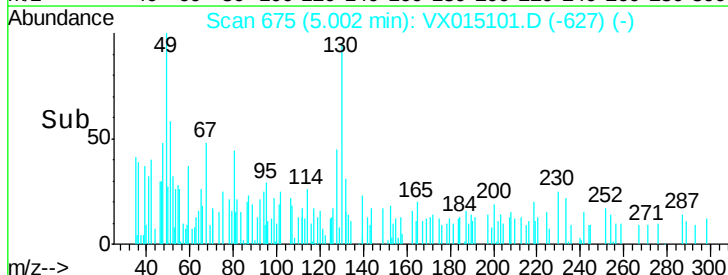
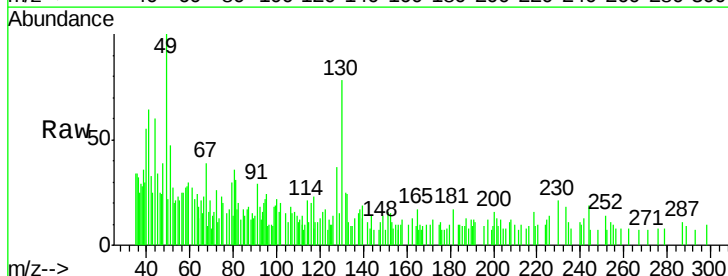
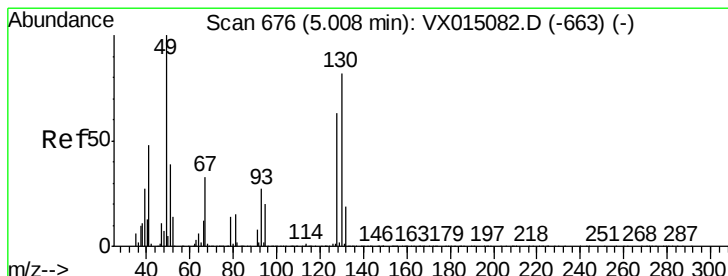
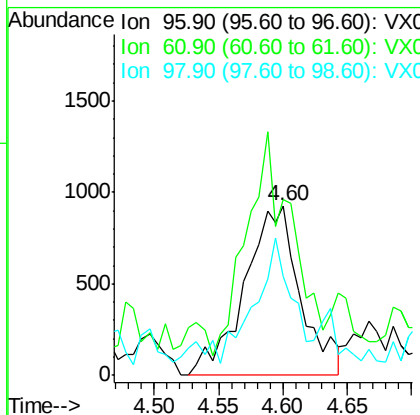
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

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3/6/2020 4:49:49 PM



#28

Bromochloromethane

Concen: 0.979 ug/l m

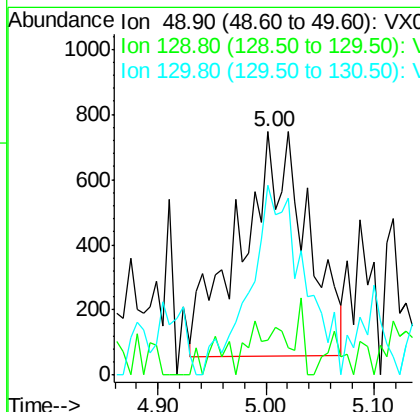
RT: 5.00 min Scan# 675

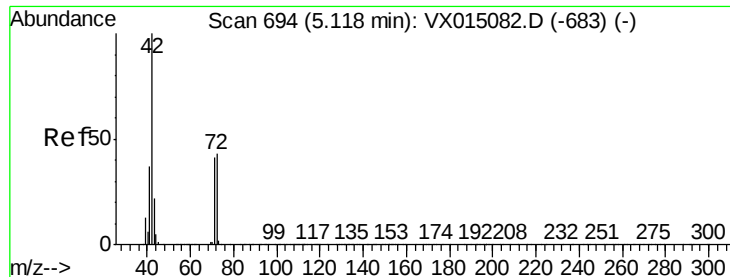
Delta R.T. -0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	7.0	0.0	4.4#
130	68.1	65.0	97.6





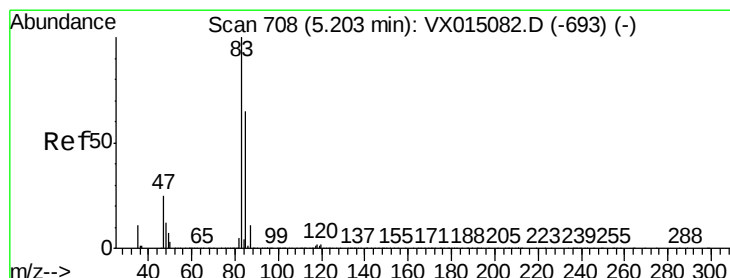
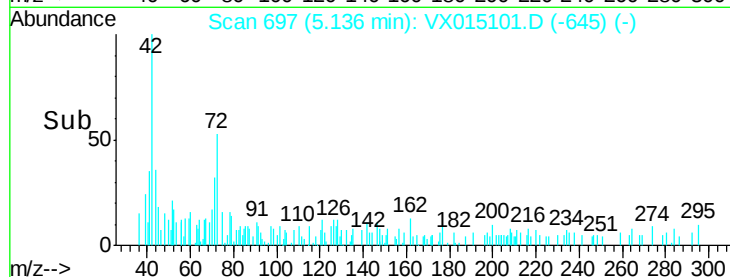
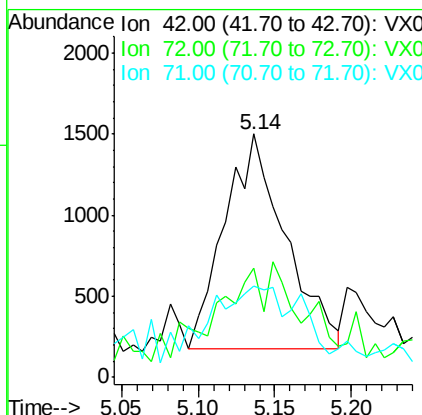
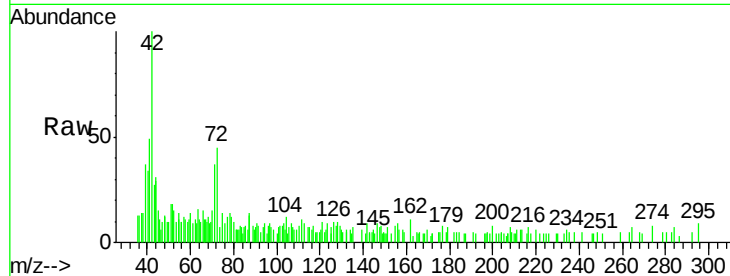
#29
Tetrahydrofuran
Concen: 2.273 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	15.4	36.4	54.6#
71	53.3	33.3	49.9#

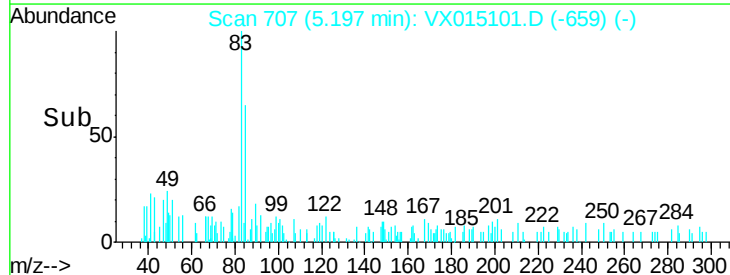
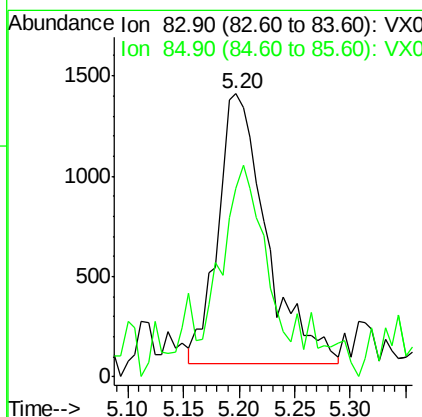
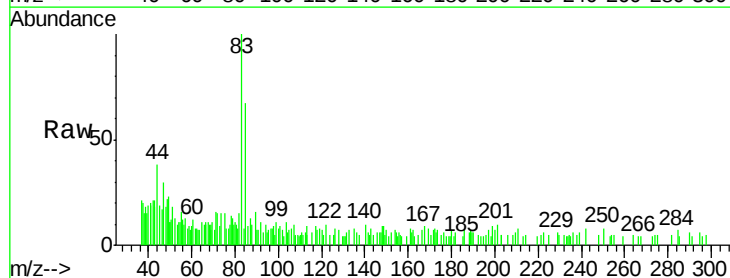
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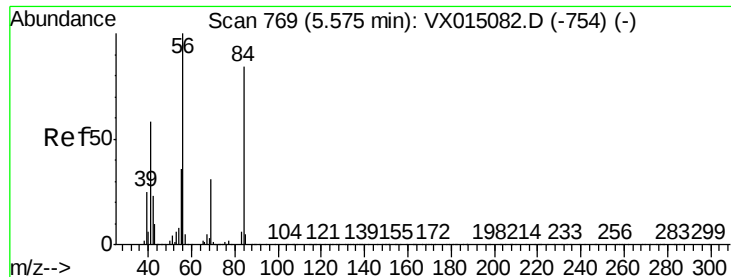
MMDadoda
3/6/2020 4:49:49 PM



#30
Chloroform
Concen: 0.633 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.0	78.0





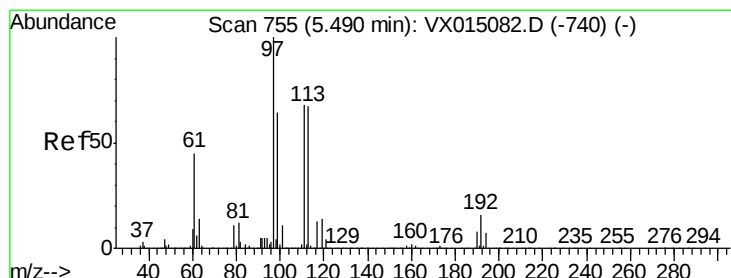
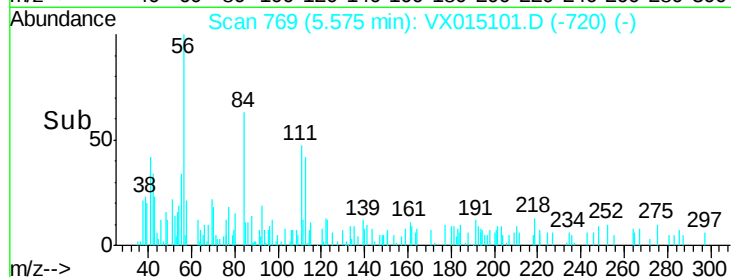
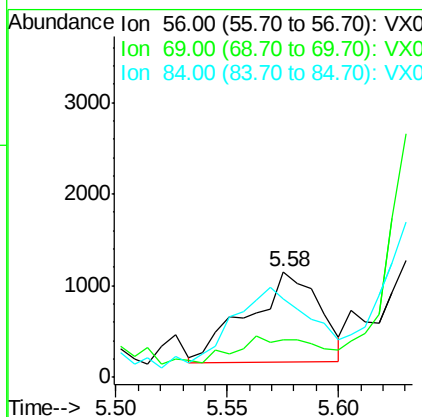
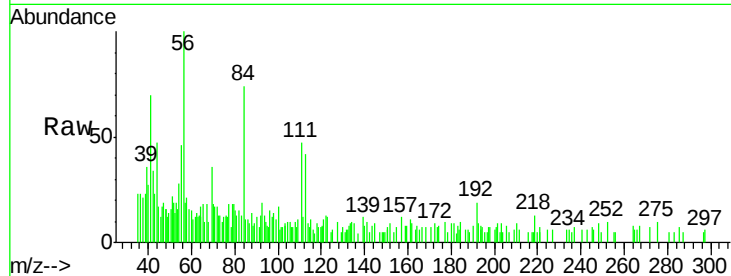
#31
Cyclohexane
Concen: 0.368 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.8	25.0	37.6#
84	73.4	67.6	101.4

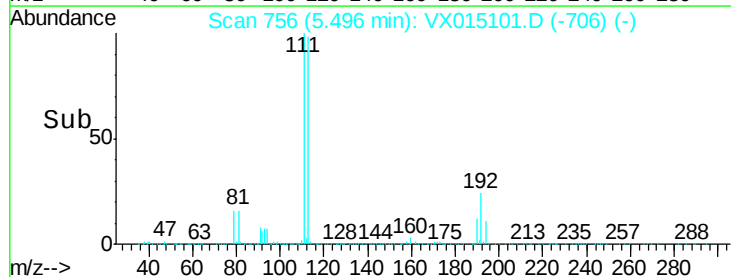
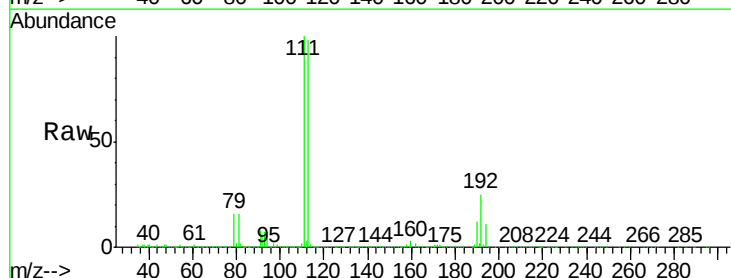
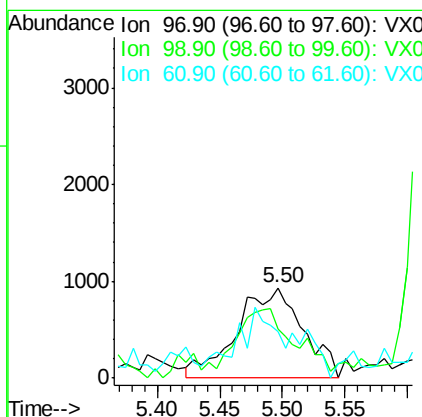
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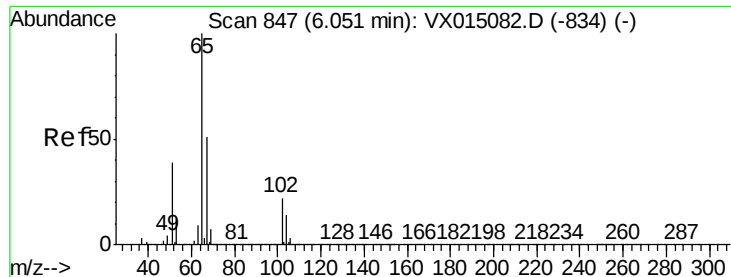
MMDadoda
3/6/2020 4:49:49 PM



#32
1,1,1-Trichloroethane
Concen: 0.643 ug/l m
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.8	79.2#
61	32.6	36.6	54.8#





#33

1,2-Dichloroethane-d4

Concen: 51.894 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 65 Resp: 217884

Ion Ratio Lower Upper

65 100

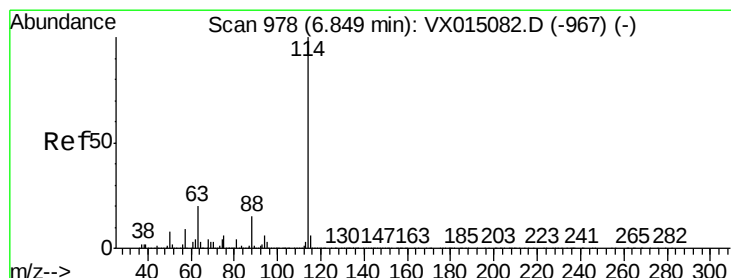
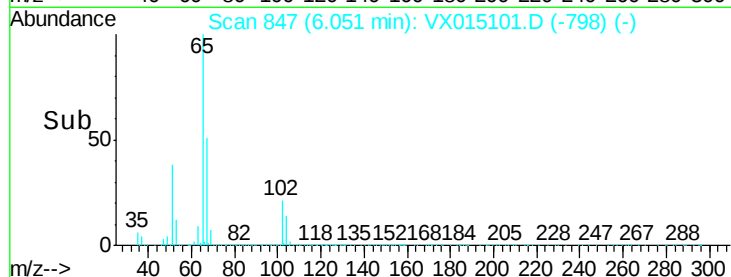
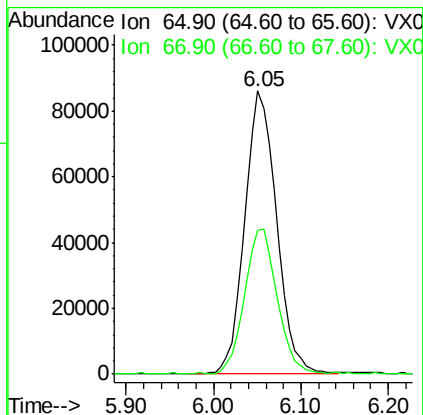
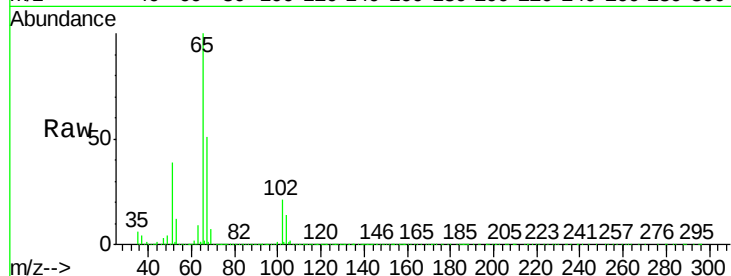
67 52.0 0.0 105.6

Manual Integrations

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3/6/2020 4:49:49 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

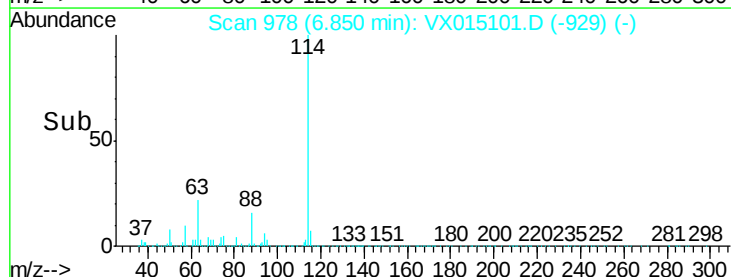
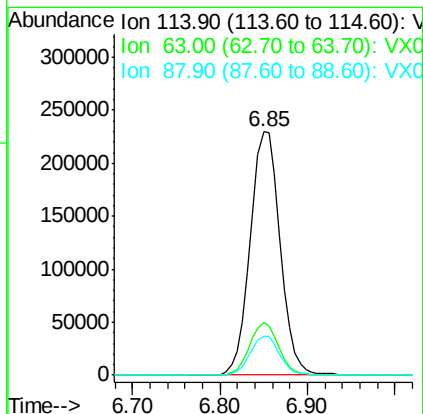
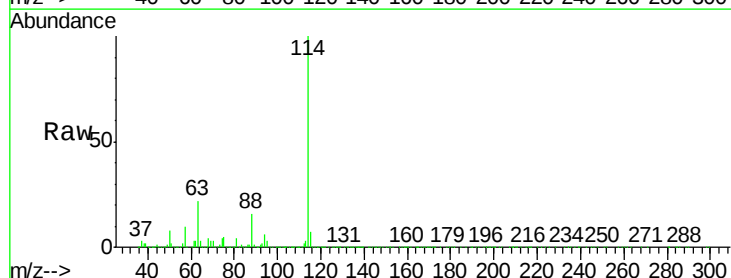
Tgt Ion: 114 Resp: 546094

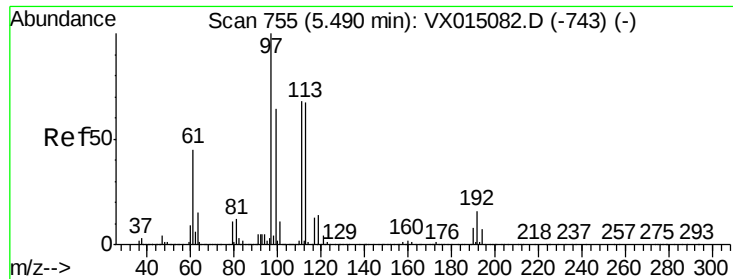
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 16.1 0.0 30.6





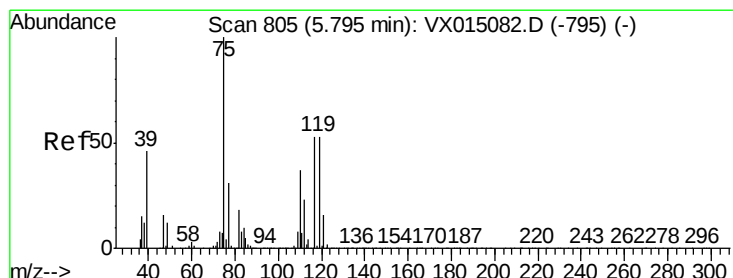
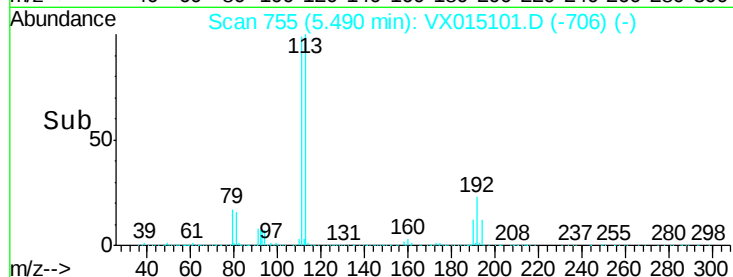
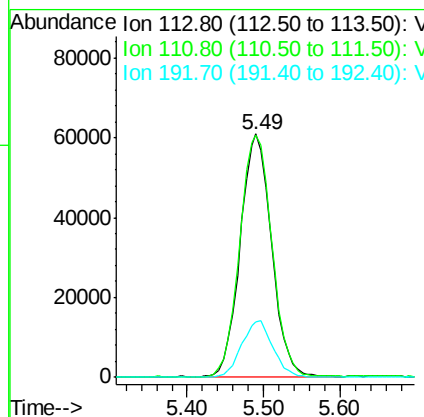
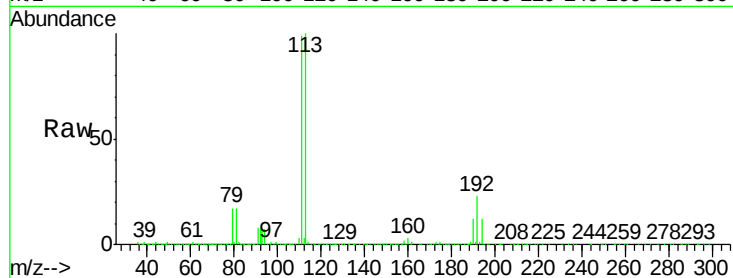
#35
 Dibromofluoromethane
 Concen: 50.223 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	23.4	18.6	28.0

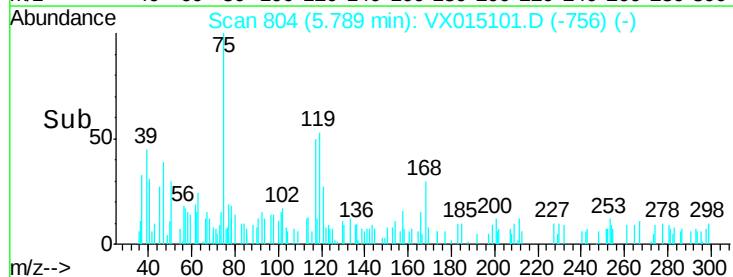
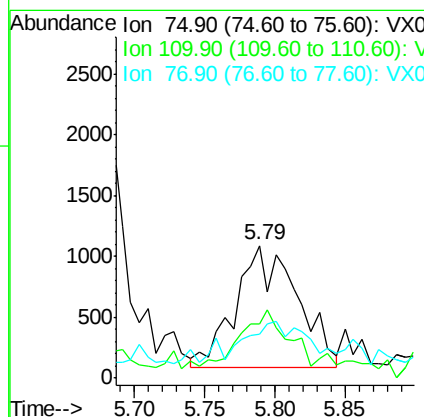
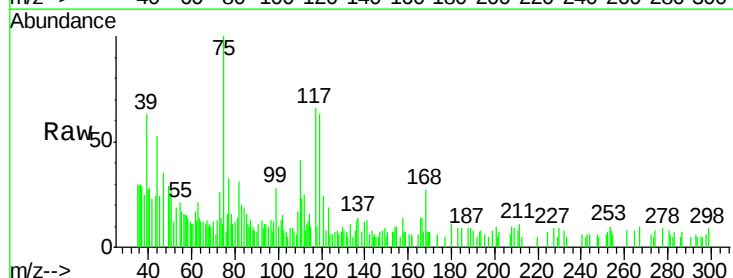
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 0.599 ug/l m
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.9	53.8
77	29.9	24.8	37.2





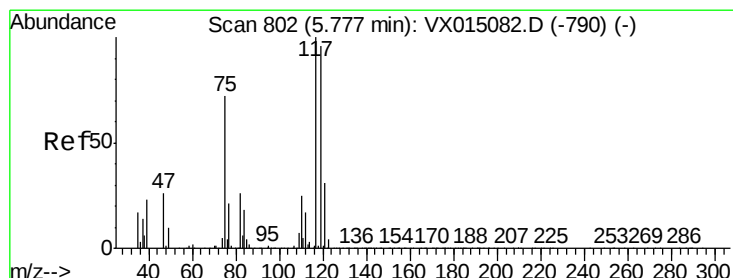
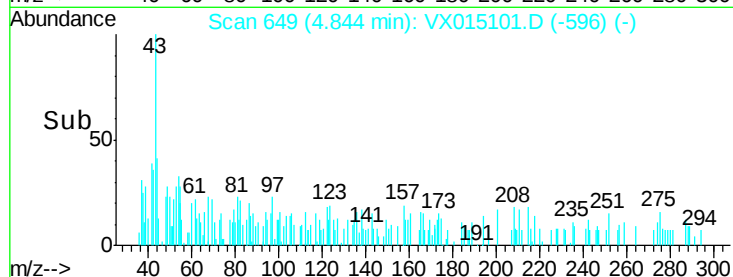
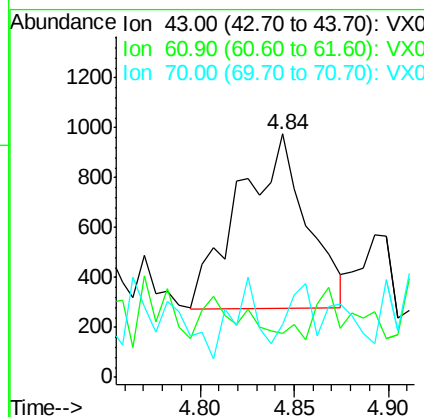
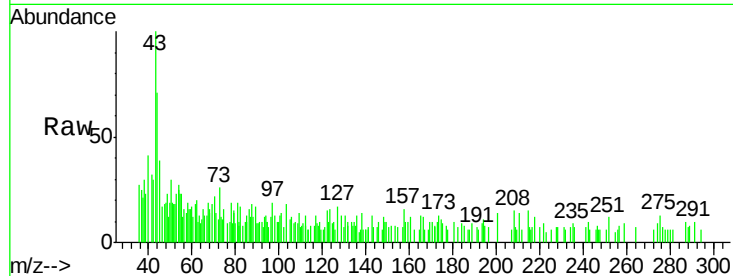
#37
Ethyl Acetate
Concen: 0.373 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	11.3	8.1	12.1

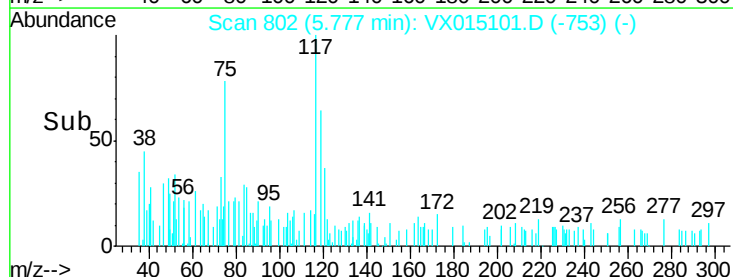
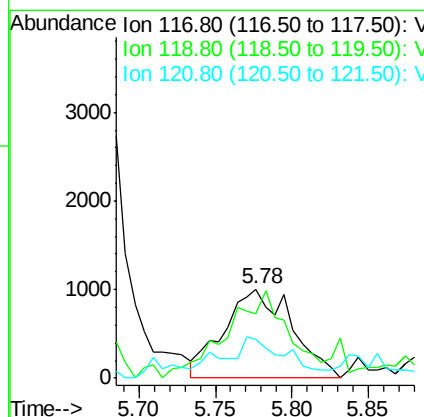
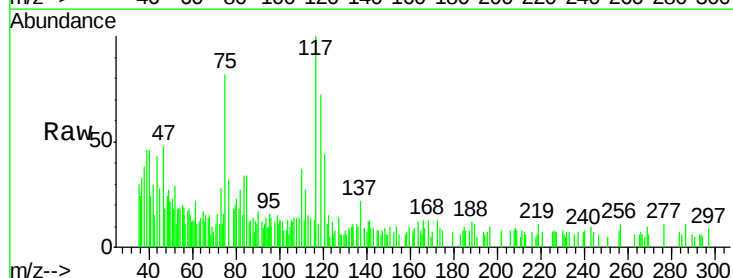
Manual Integrations
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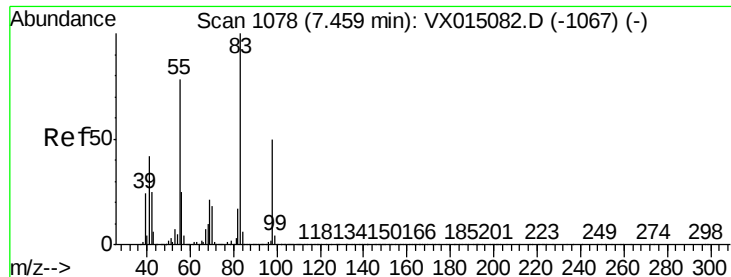
MMDadoda
3/6/2020 4:49:49 PM



#38
Carbon Tetrachloride
Concen: 0.651 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	54.0	76.9	115.3#
121	30.3	24.6	37.0





#39

Methvlcvclohexane

Concen: 0.640 ug/l

RT: 7.47 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

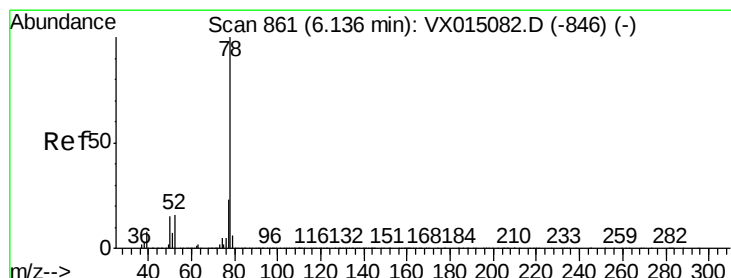
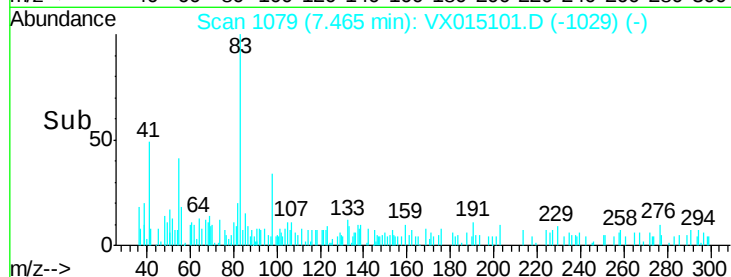
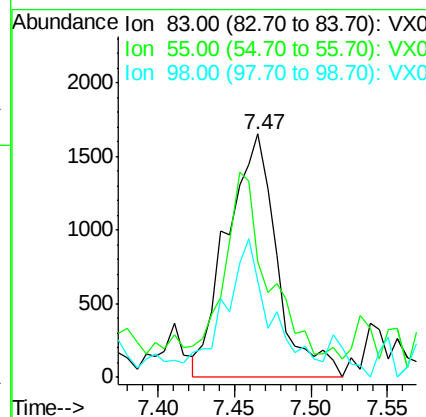
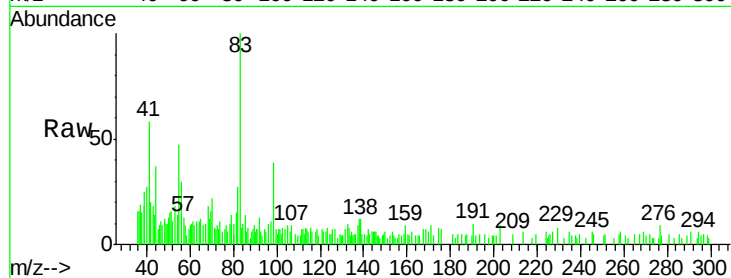
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	3772
Ion	Ratio	Lower	Upper
83	100		
55	42.2	62.4	93.6#
98	31.2	39.7	59.5#

Manual Integrations
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#40

Benzene

Concen: 0.510 ug/l

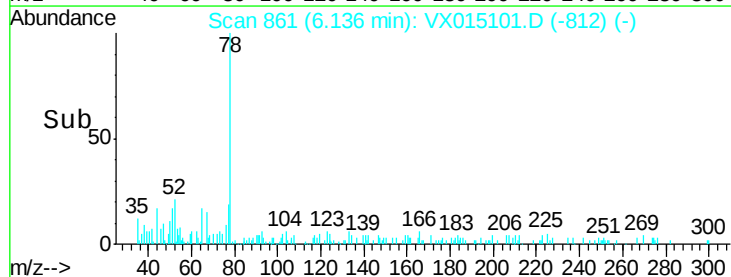
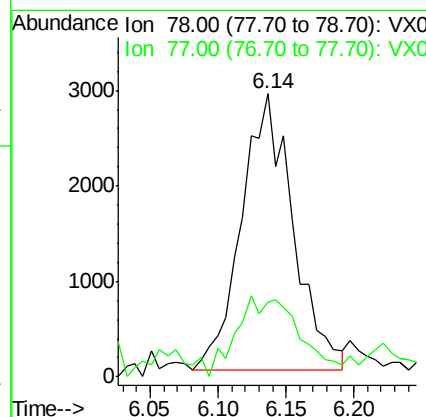
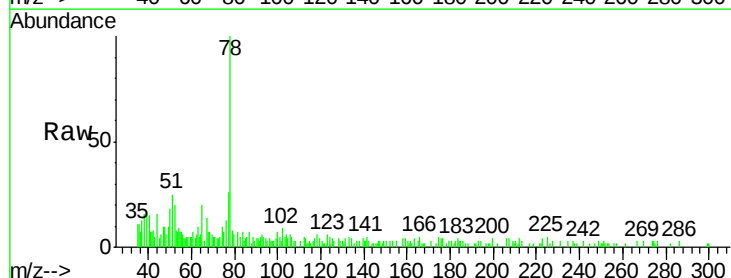
RT: 6.14 min Scan# 861

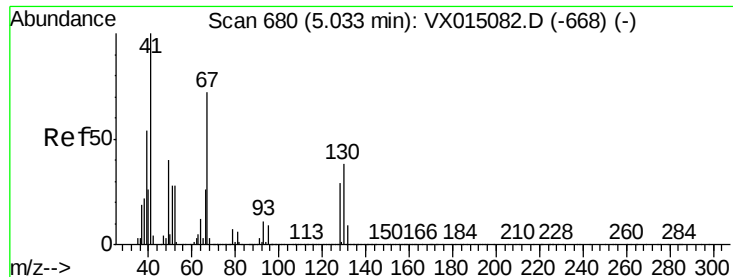
Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	78	Resp:	7636
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





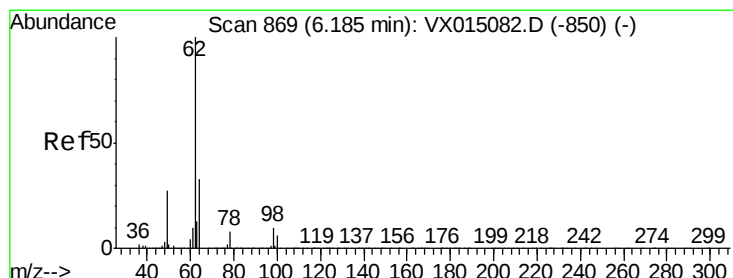
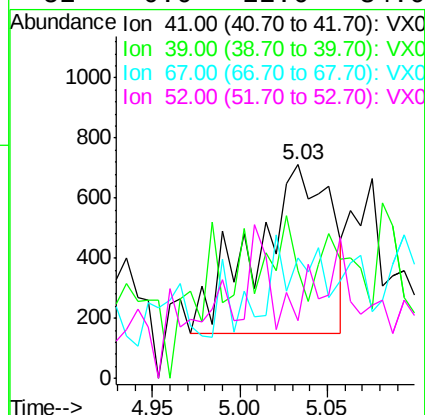
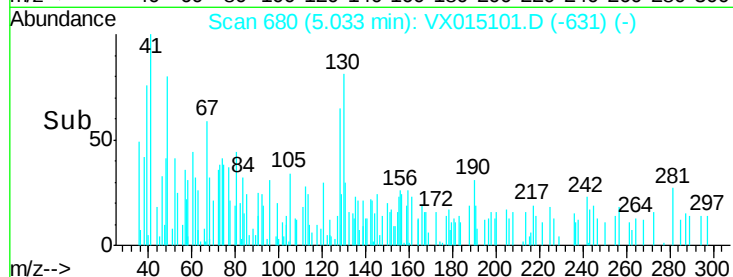
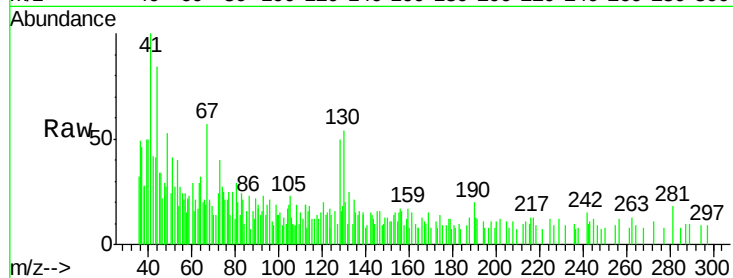
#41
Methacrylonitrile
Concen: 0.597 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	8.5	43.9	65.9#
67	7.9	57.8	86.8#
52	0.0	22.6	34.0#

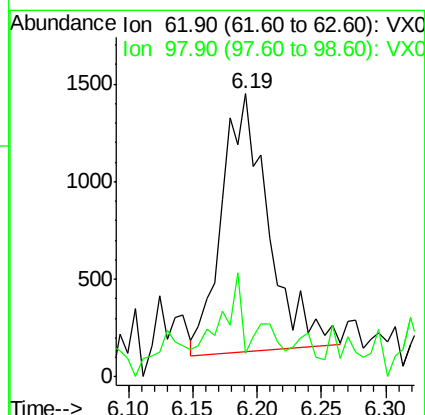
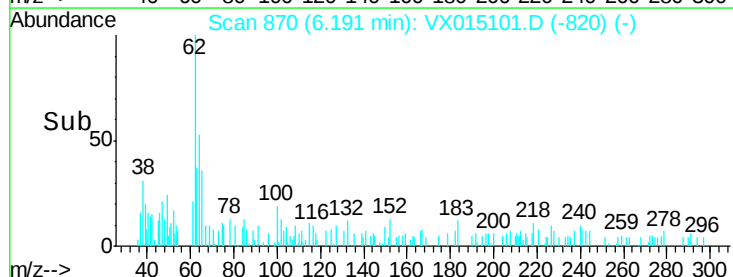
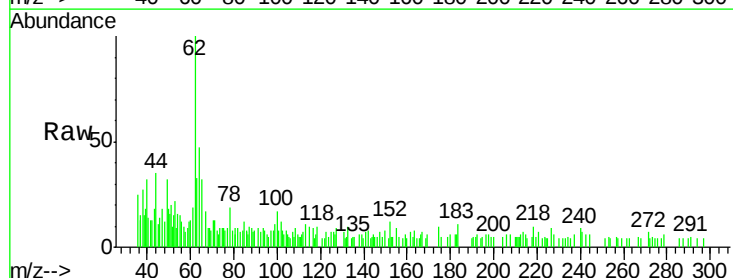
Manual Integrations
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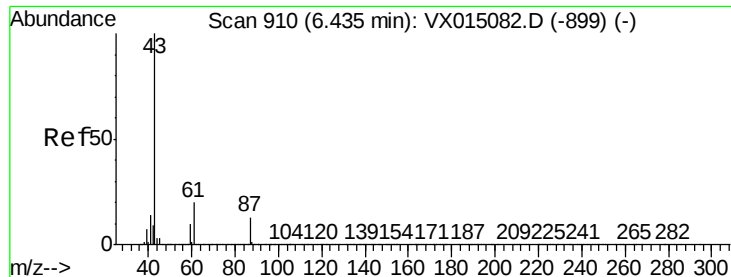
MMDadoda
3/6/2020 4:49:49 PM



#42
1,2-Dichloroethane
Concen: 0.651 ug/l
RT: 6.19 min Scan# 870
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	22.7	0.0	20.6#





#43

Isopropyl Acetate

Concen: 0.611 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

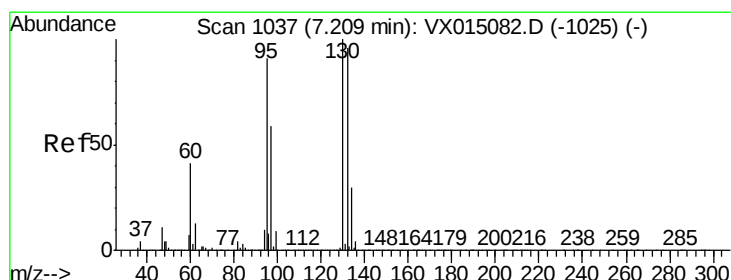
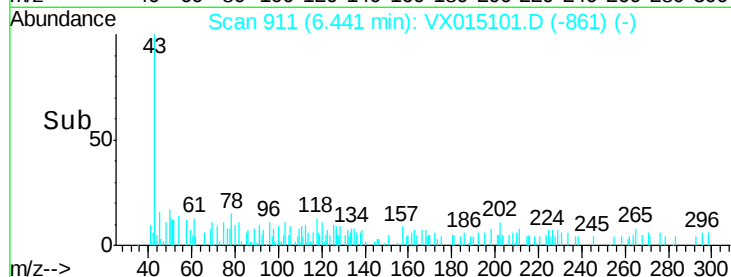
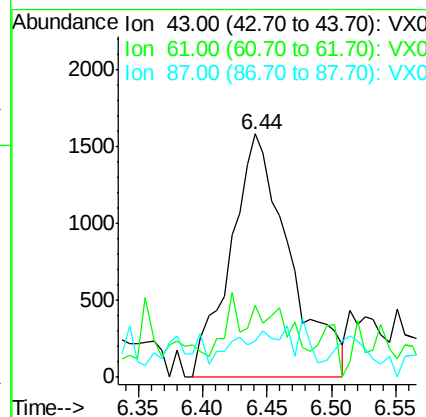
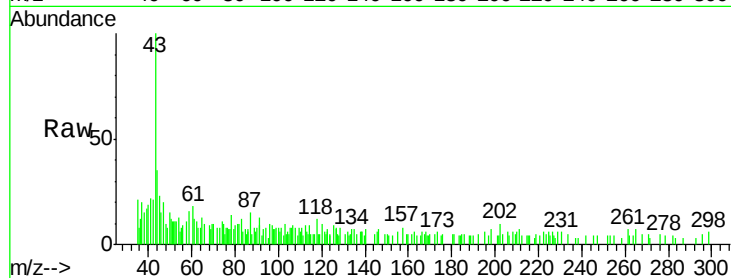
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	43	Resp:	5031
Ion Ratio	Lower	Upper	
43	100		
61	9.6	16.1	24.1#
87	0.0	10.6	16.0#

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



#44

Trichloroethene

Concen: 0.745 ug/l

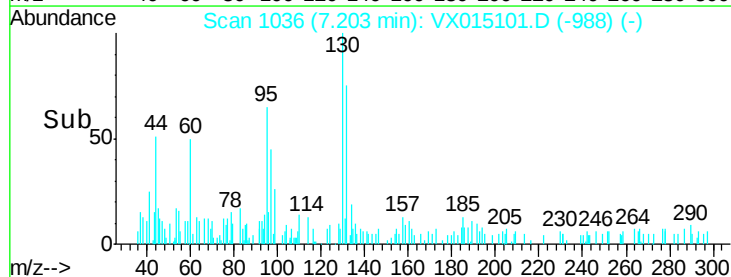
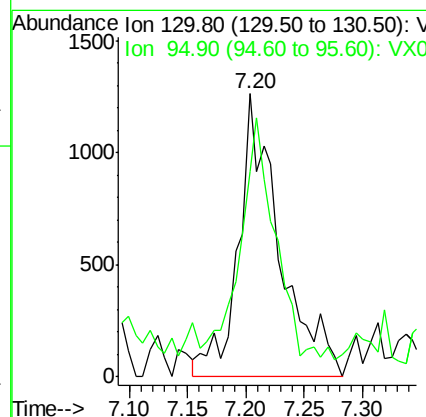
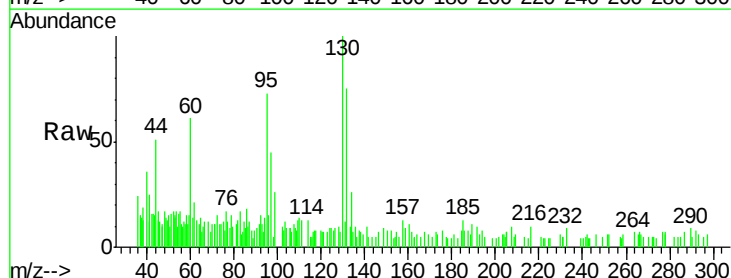
RT: 7.20 min Scan# 1036

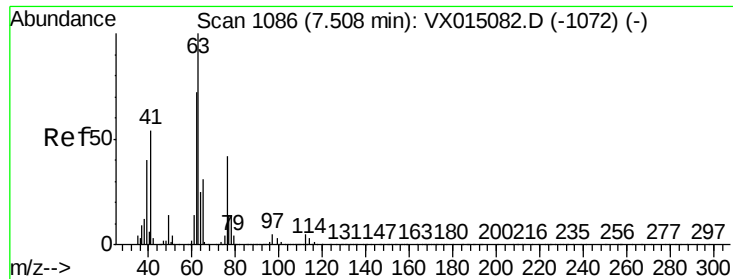
Delta R.T. -0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	130	Resp:	3106
Ion Ratio	Lower	Upper	
130	100		
95	68.7	0.0	181.2





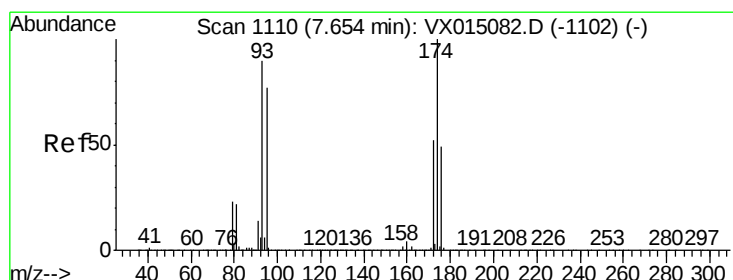
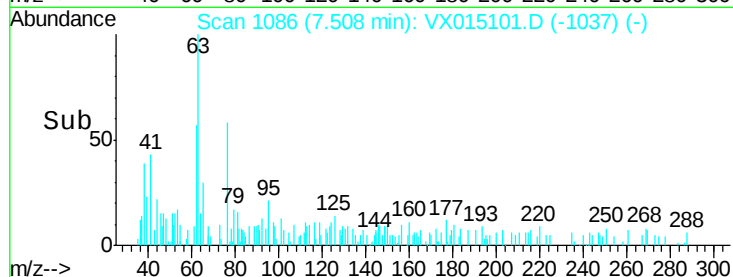
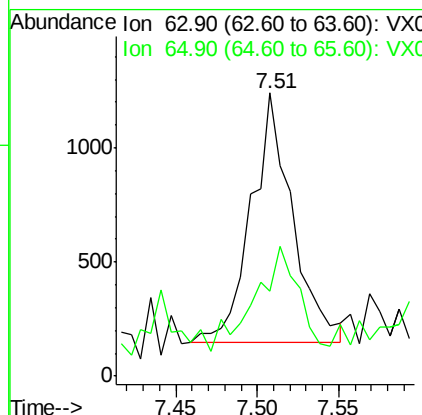
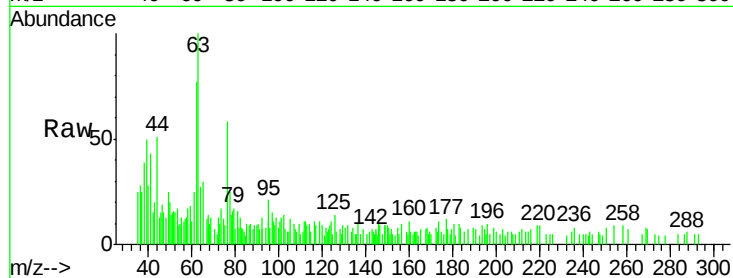
#45
 1,2-Dichloropropane
 Concen: 0.495 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	20.5	24.6	36.8#

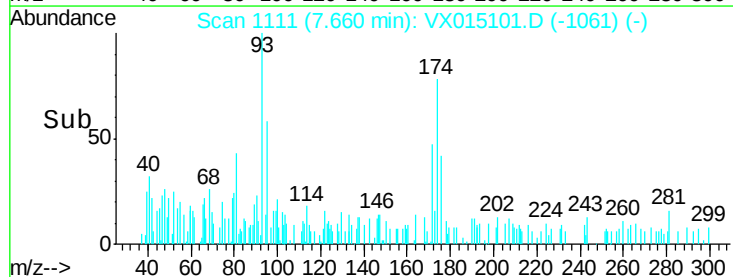
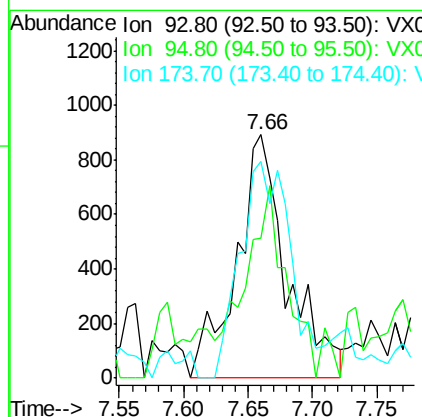
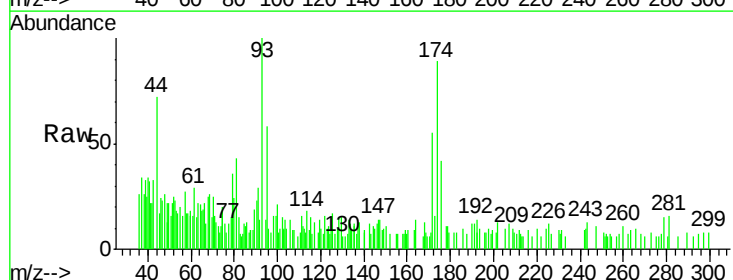
Manual Integrations
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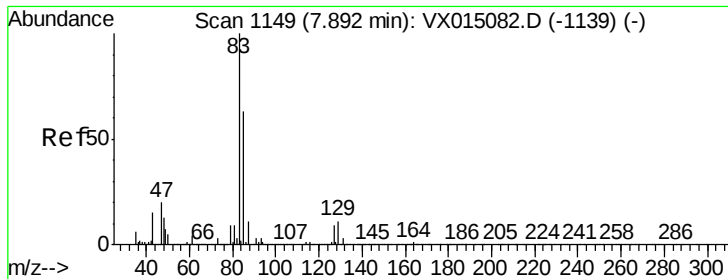
MMDadoda
 3/6/2020 4:49:49 PM



#46
 Dibromomethane
 Concen: 0.957 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	71.3	67.8	101.8
174	90.2	91.0	136.4#





#47

Bromodichloromethane

Concen: 0.529 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

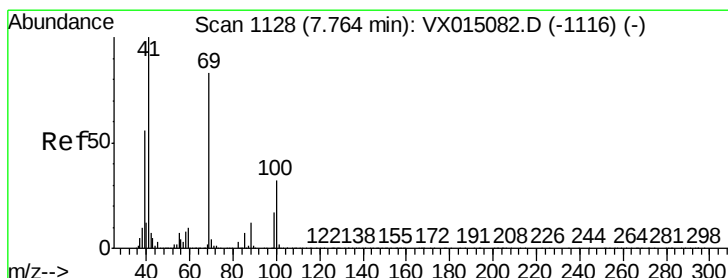
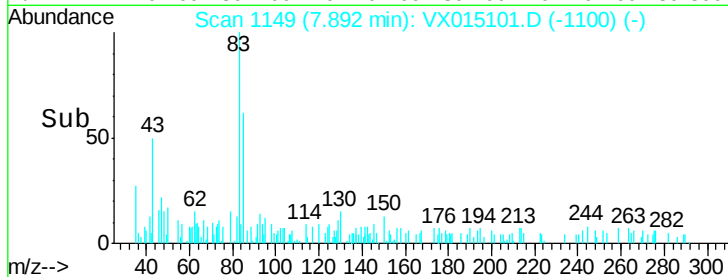
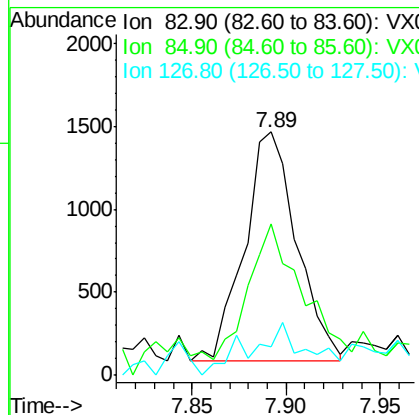
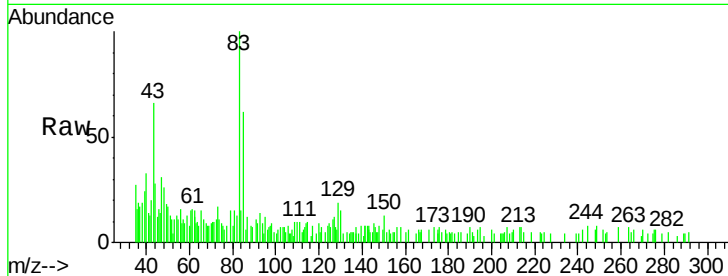
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	83	Resp:	2642
Ion Ratio	Lower	Upper	
83	100		
85	59.8	50.6	75.8
127	13.8	7.1	10.7#

Manual Integrations
APPROVED

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



#48

Methyl methacrylate

Concen: 0.404 ug/l

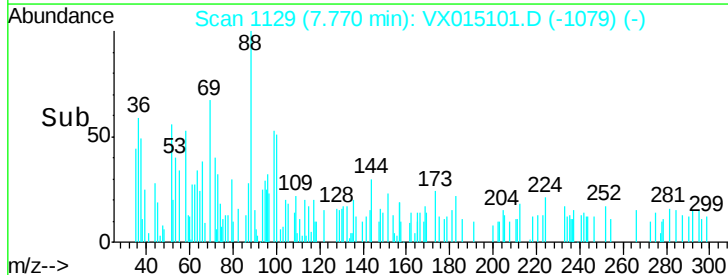
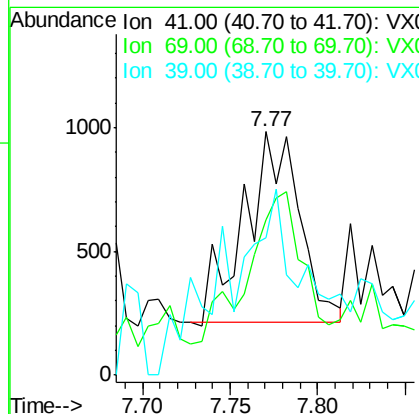
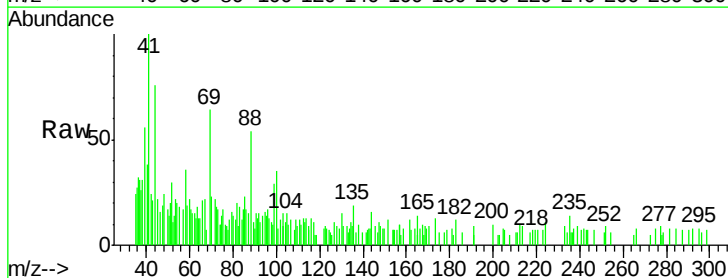
RT: 7.77 min Scan# 1129

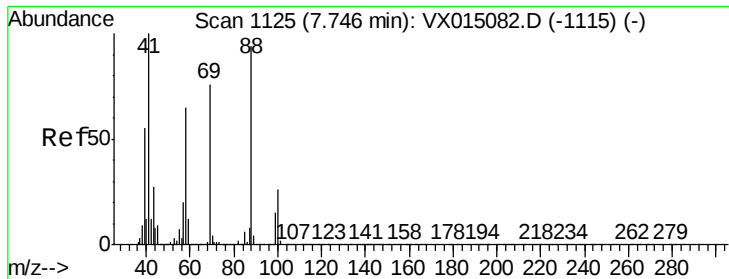
Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion	41	Resp:	1692
Ion Ratio	Lower	Upper	
41	100		
69	78.3	65.4	98.2
39	39.7	44.6	67.0#





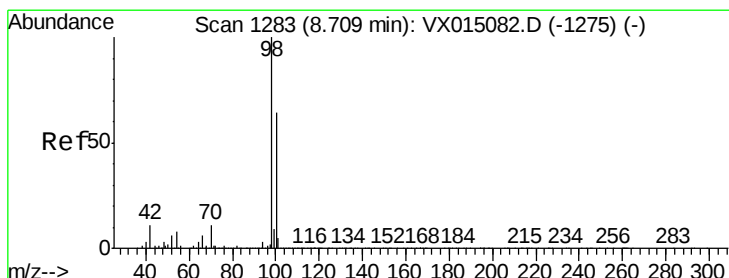
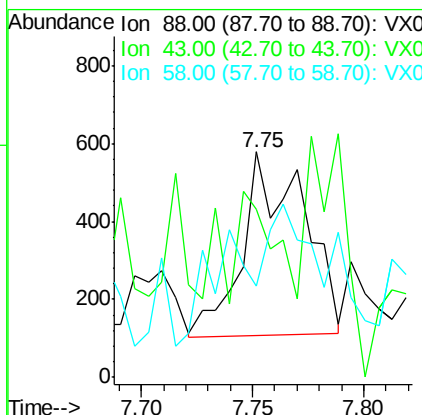
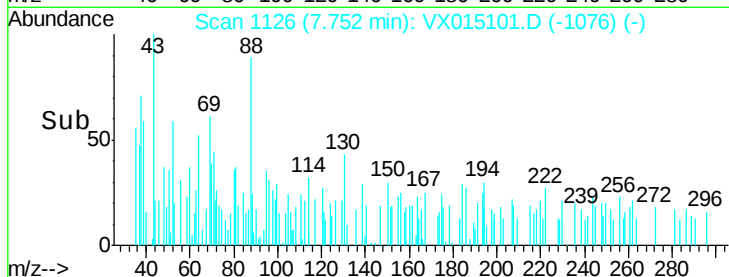
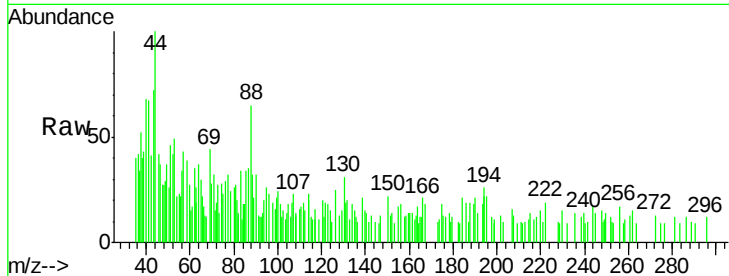
#49
1,4-Dioxane
Concen: 9.994 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	73.7	27.0	40.4#
58	43.5	55.6	83.4#

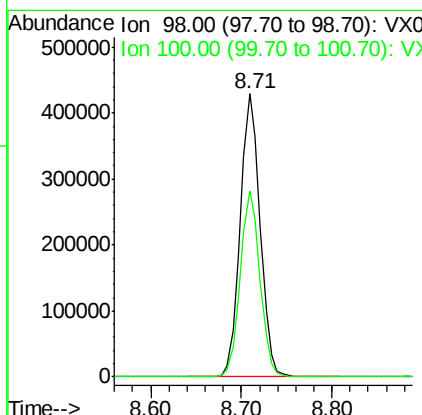
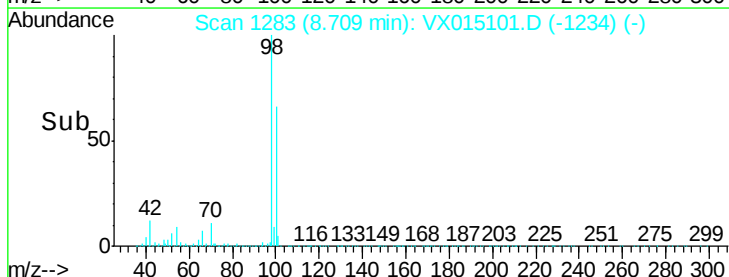
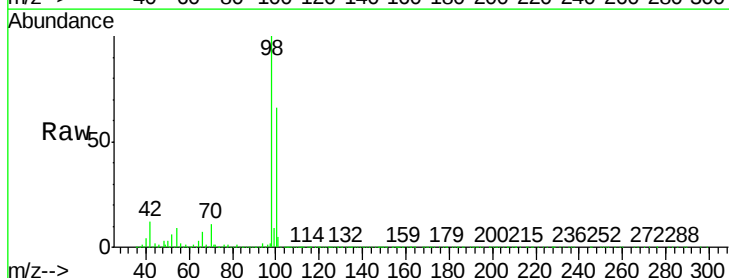
Manual Integrations
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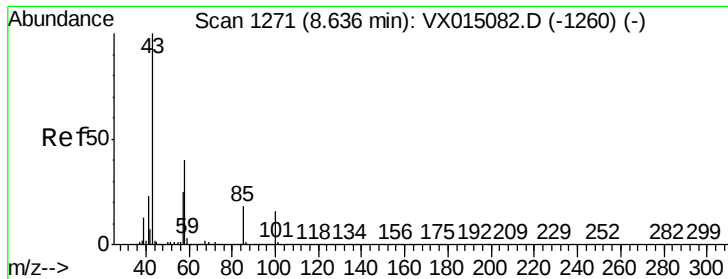
MMDadoda
3/6/2020 4:49:49 PM



#50
Toluene-d8
Concen: 49.773 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





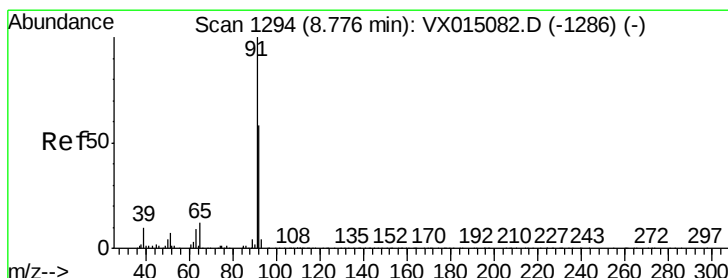
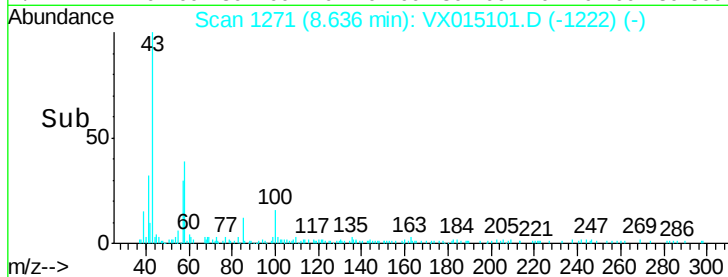
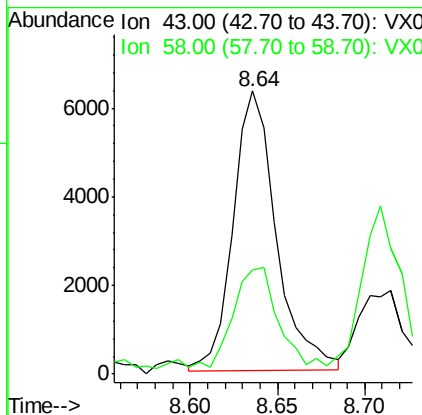
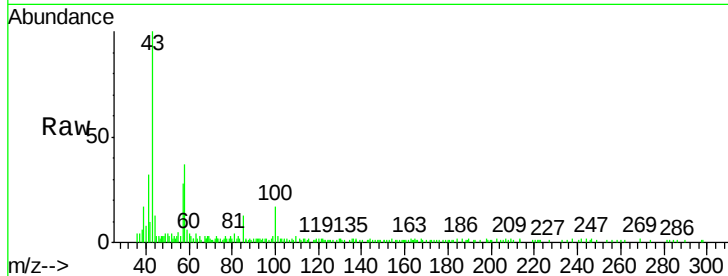
#51
4-Methyl-2-Pentanone
Concen: 2.227 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.6	47.4

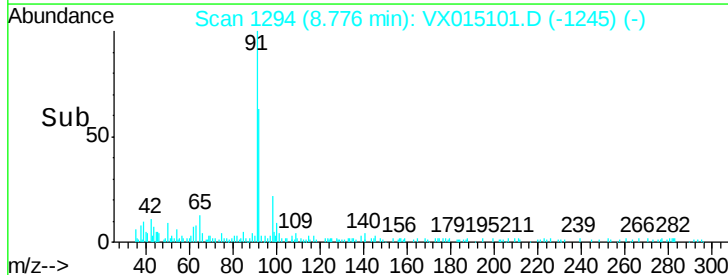
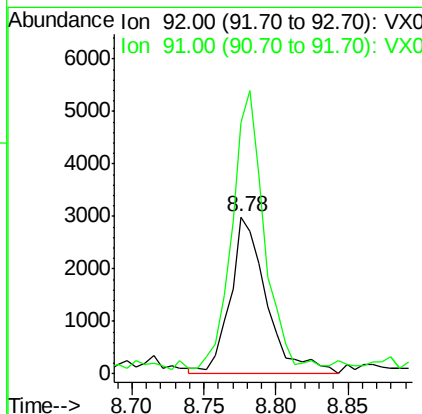
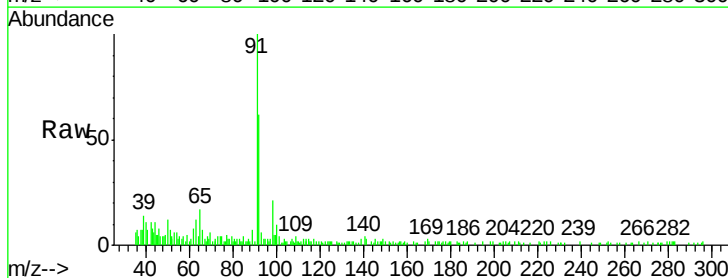
Manual Integrations
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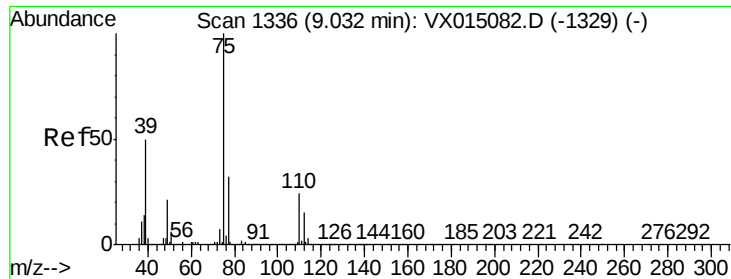
MMDadoda
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#52
Toluene
Concen: 0.576 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	159.9	136.9	205.3





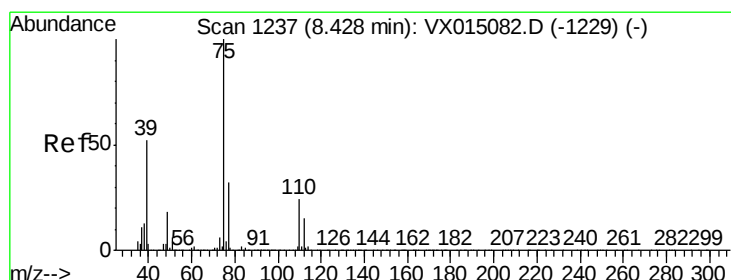
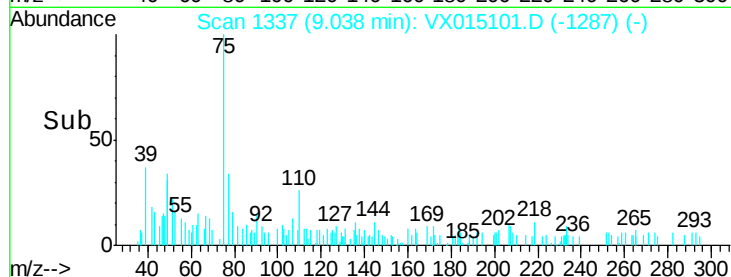
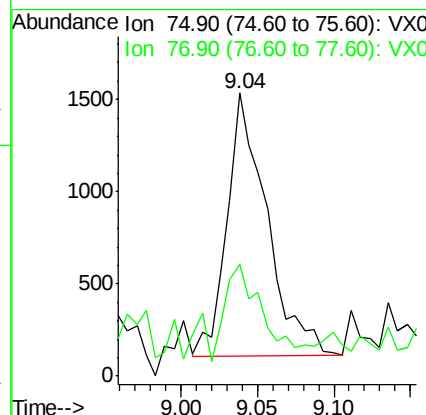
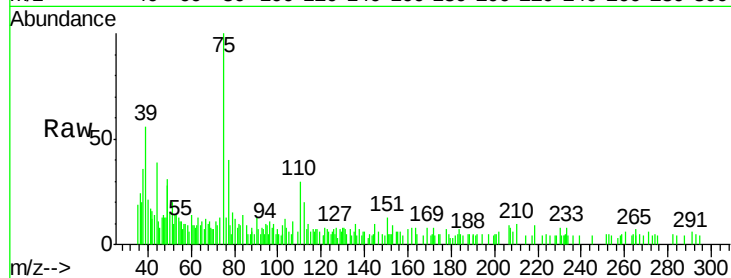
#53
t-1,3-Dichloropropene
Concen: 0.484 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0

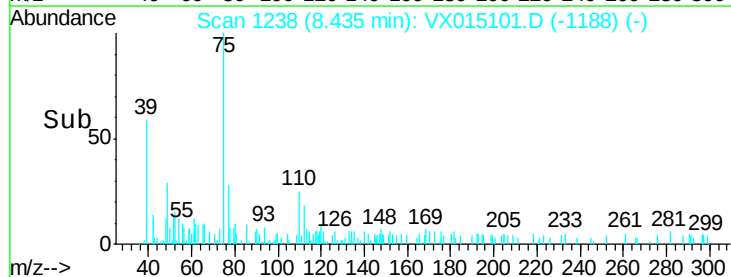
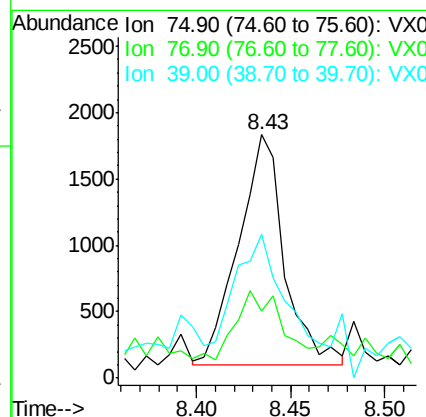
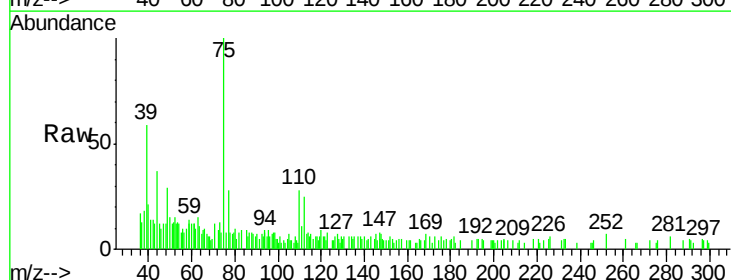
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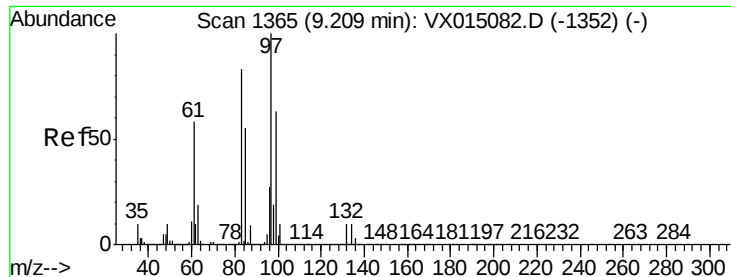
MMDadoda
3/6/2020 4:49:49 PM



#54
cis-1,3-Dichloropropene
Concen: 0.489 ug/l
RT: 8.43 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	21.1	25.8	38.6#
39	41.0	41.3	61.9#





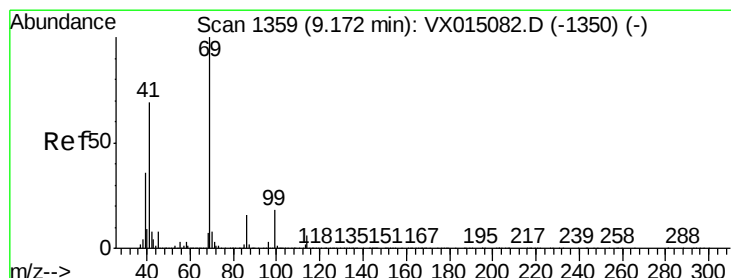
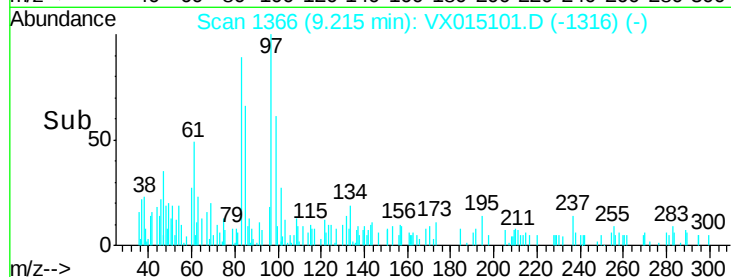
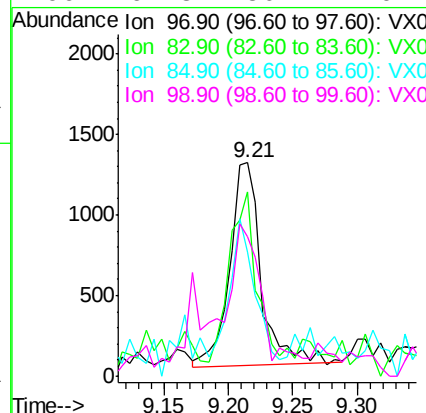
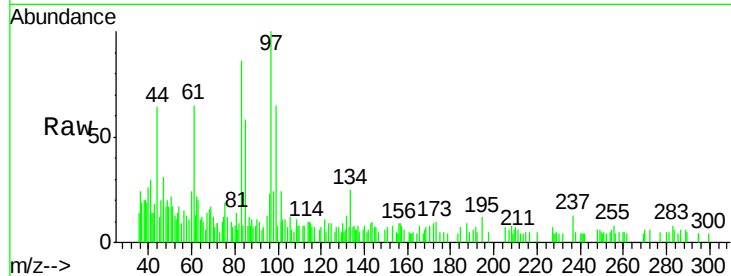
#55
 1,1,2-Trichloroethane
 Concen: 0.573 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	74.8	66.4	99.6
85	53.8	43.5	65.3
99	62.8	50.7	76.1

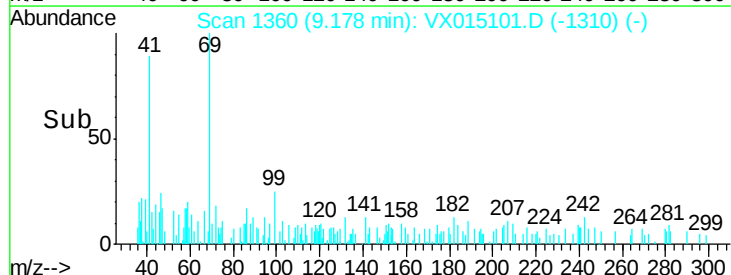
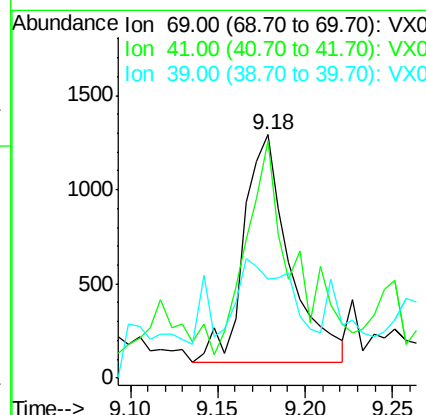
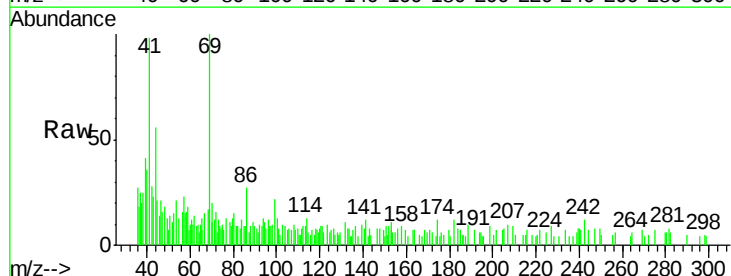
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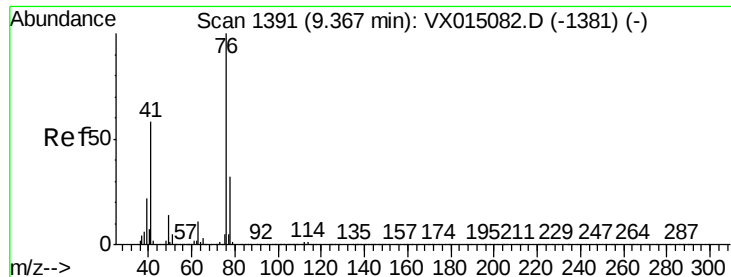
MMDadoda
 3/6/2020 4:49:49 PM



#56
 Ethyl methacrylate
 Concen: 0.411 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	96.5	55.8	83.8#
39	48.6	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 0.639 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 76 Resp: 4052

Ion Ratio Lower Upper

76 100

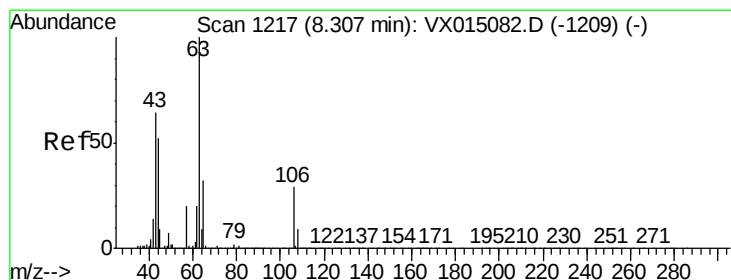
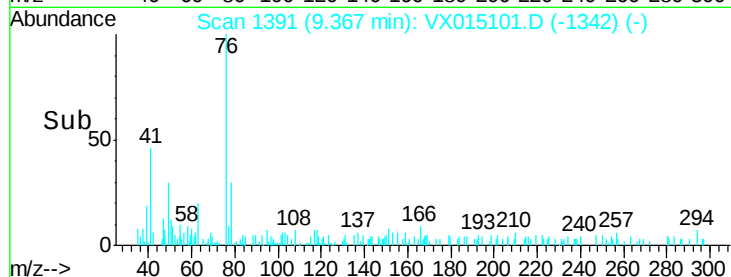
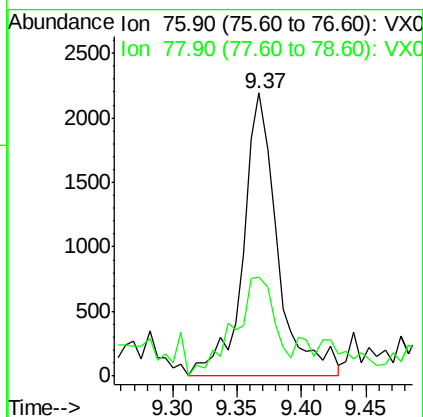
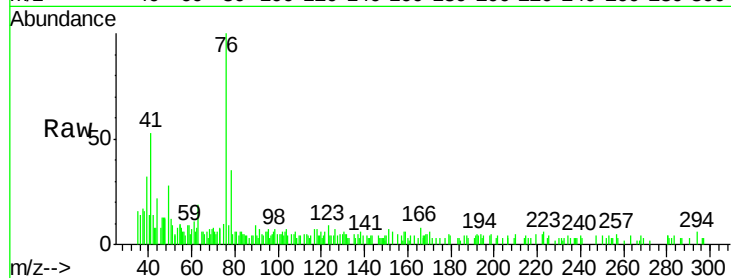
78 34.3 25.6 38.4

Manual Integrations

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3/6/2020 4:49:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 2.388 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015101.D

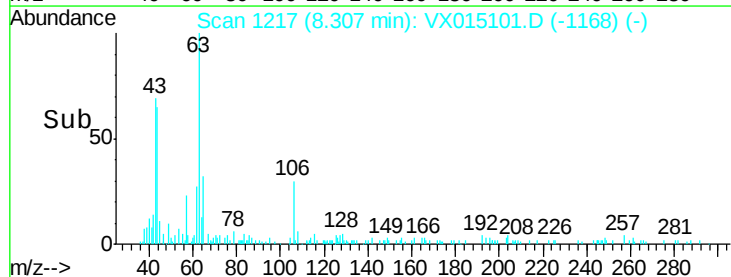
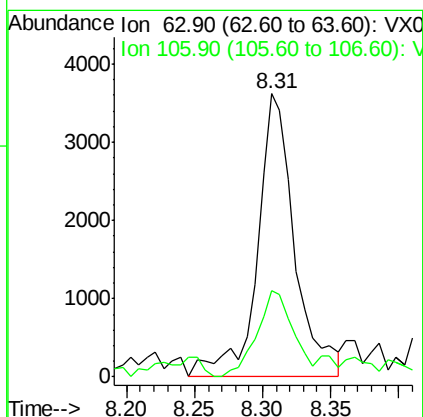
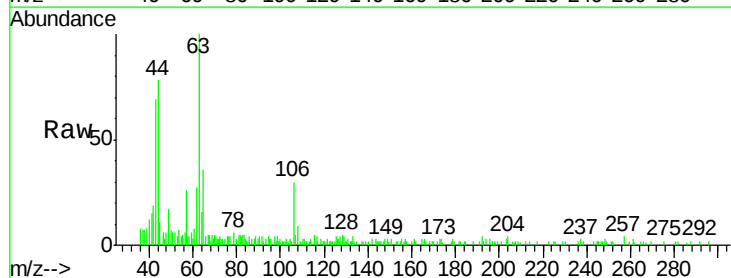
Acq: 05 Mar 2020 11:03

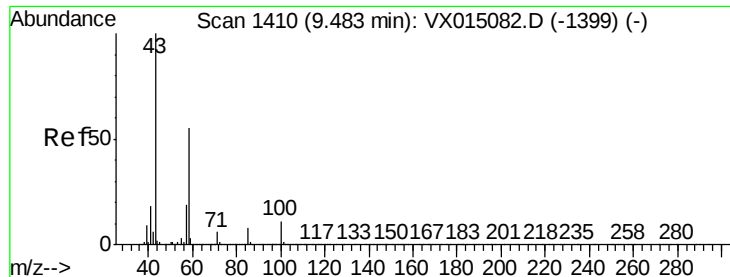
Tgt Ion: 63 Resp: 6994

Ion Ratio Lower Upper

63 100

106 29.5 22.8 34.2





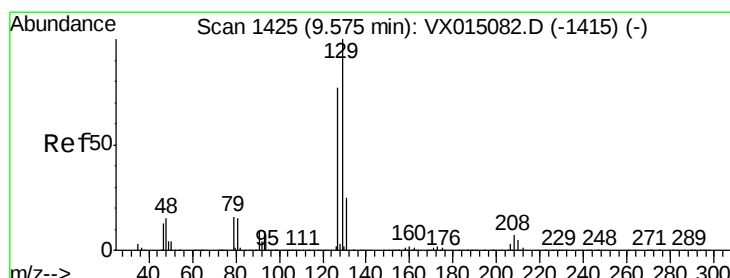
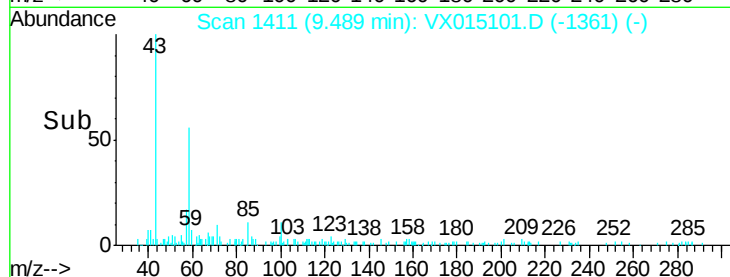
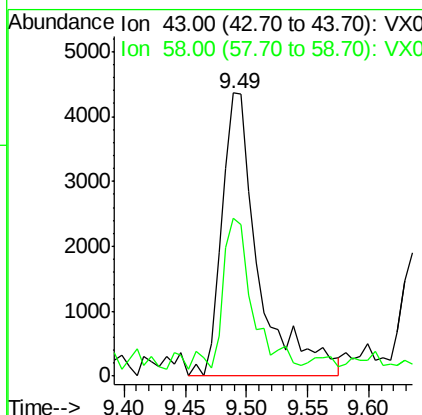
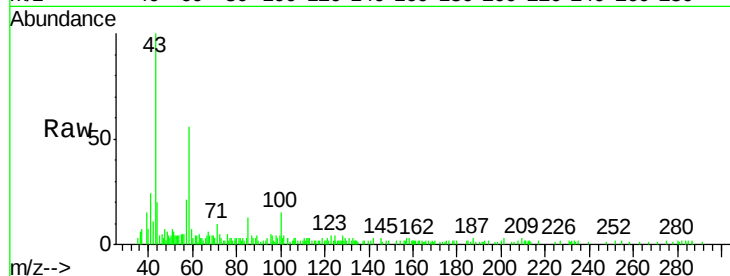
#59
2-Hexanone
Concen: 2.516 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion: 43 Resp: 9082
Ion Ratio Lower Upper
43 100
58 43.6 27.3 81.8

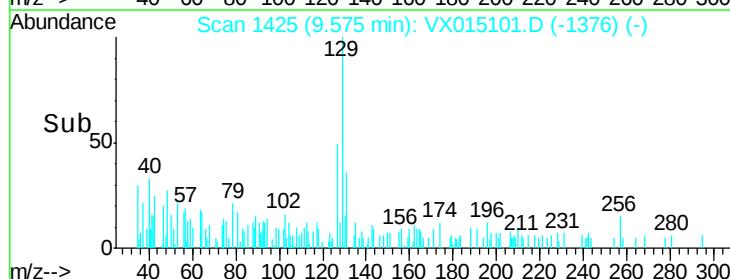
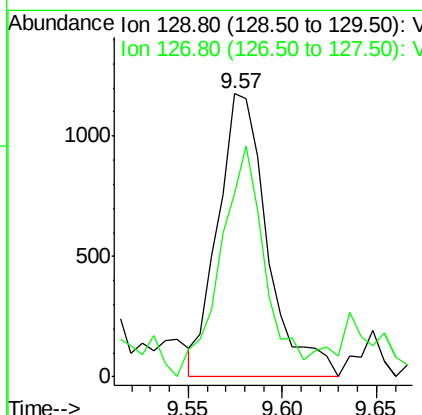
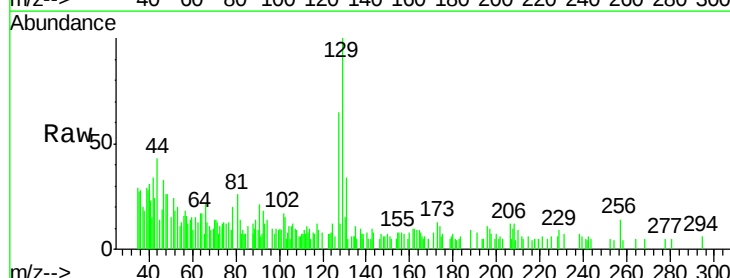
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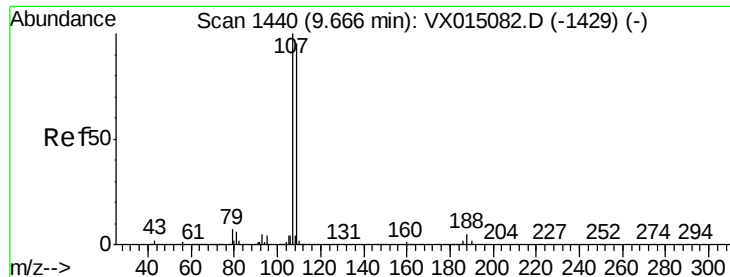
MMDadoda
3/6/2020 4:49:49 PM



#60
Dibromochloromethane
Concen: 0.542 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion: 129 Resp: 2148
Ion Ratio Lower Upper
129 100
127 74.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 0.604 ug/l

RT: 9.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 107 Resp: 2392

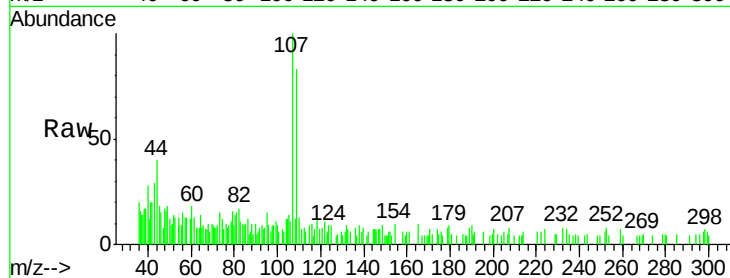
Ion Ratio Lower Upper

107 100

109 85.0 75.6 113.4

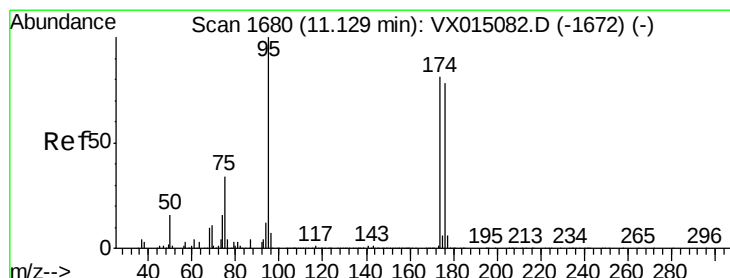
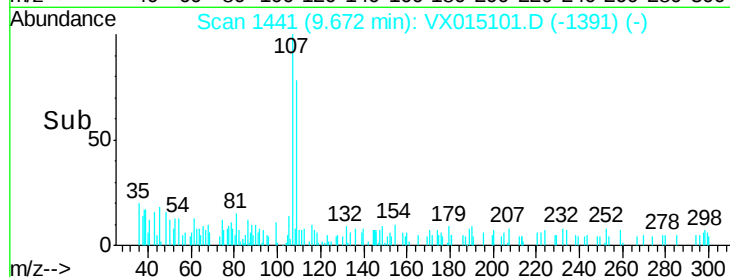
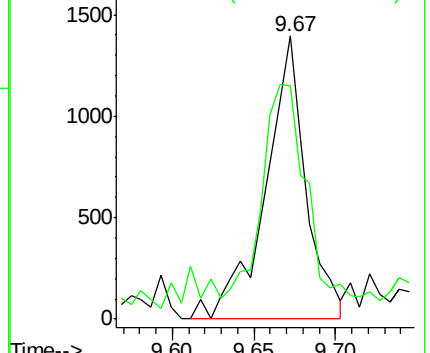
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.238 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

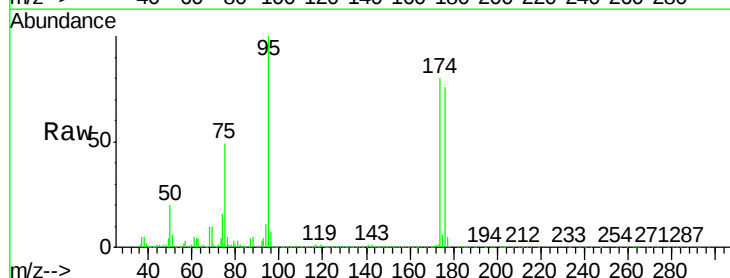
Tgt Ion: 95 Resp: 220808

Ion Ratio Lower Upper

95 100

174 88.0 0.0 177.6

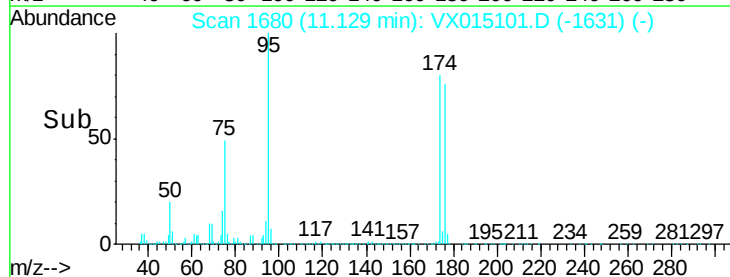
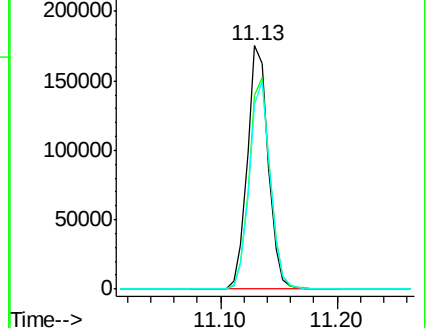
176 85.1 0.0 170.2

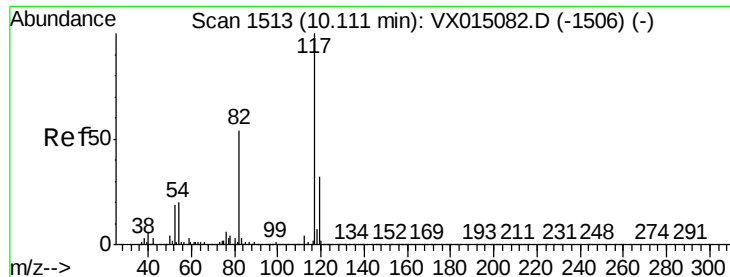


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





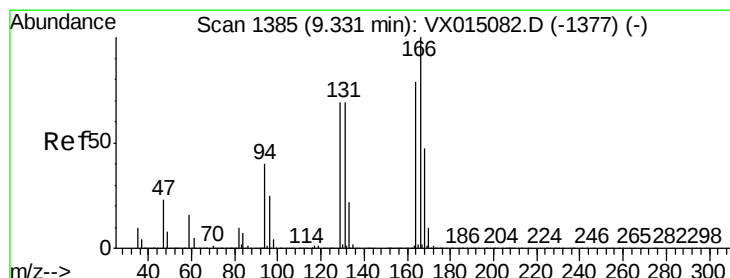
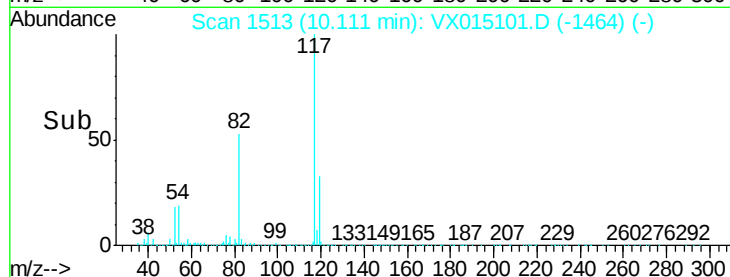
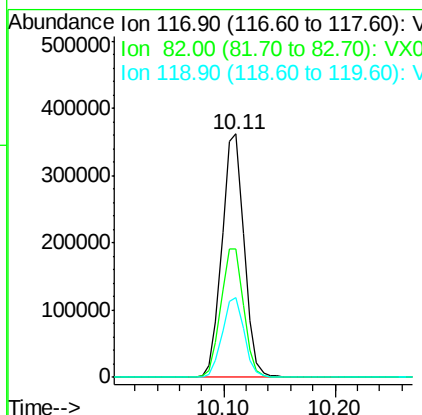
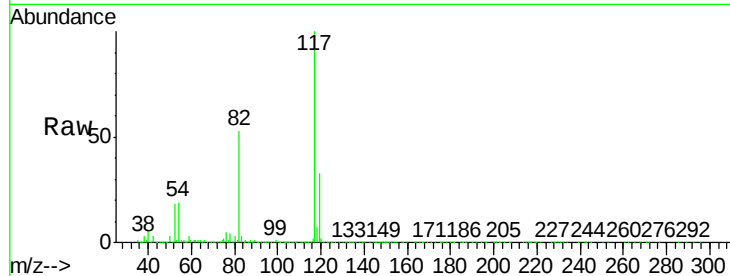
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	500067		
82	52.7		43.3	64.9
119	32.5		25.8	38.8

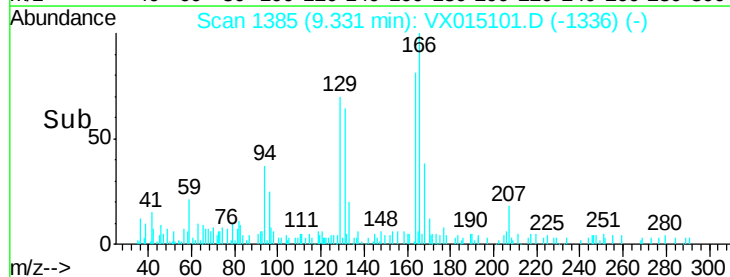
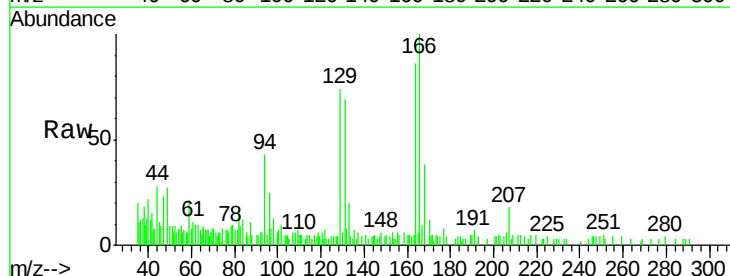
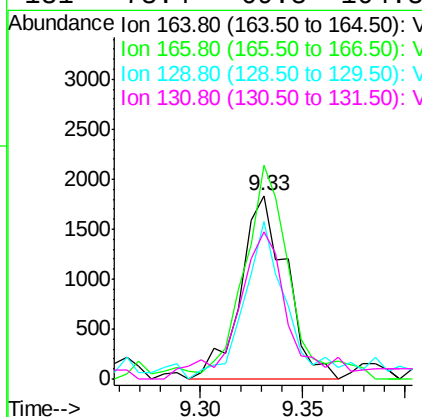
Manual Integrations
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#64
Tetrachloroethene
Concen: 0.688 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2843		
166	112.1		101.1	151.7
129	85.7		69.4	104.0
131	73.4		69.8	104.8





#65

Chlorobenzene

Concen: 0.560 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:112 Resp: 5625

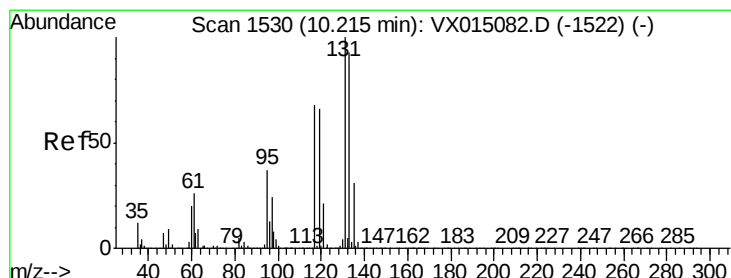
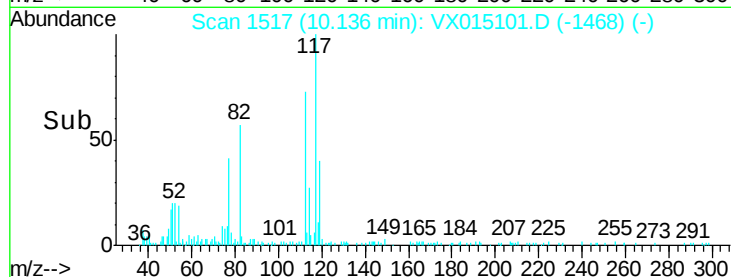
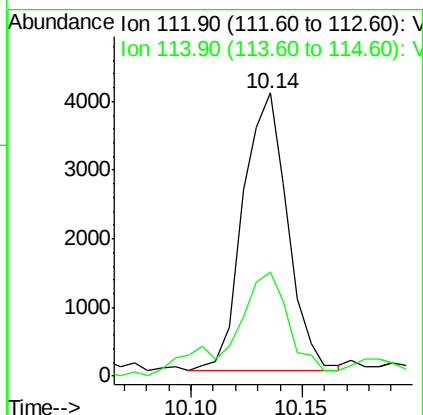
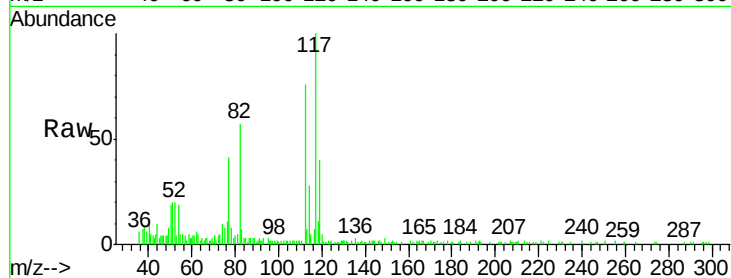
Ion Ratio Lower Upper

112 100

114 35.5 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 0.606 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

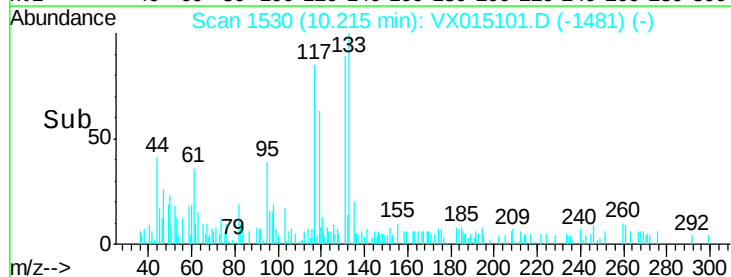
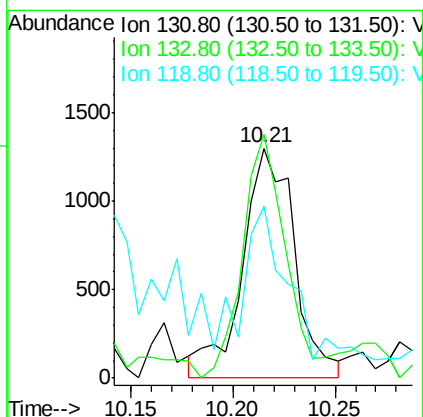
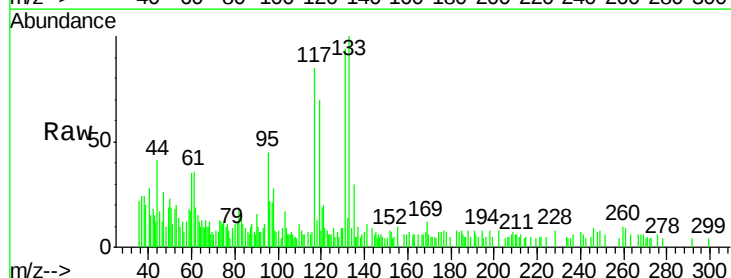
Tgt Ion:131 Resp: 2296

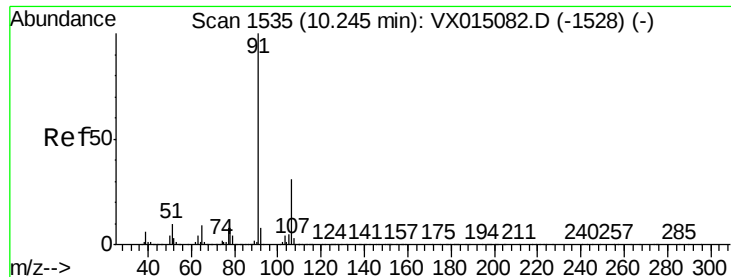
Ion Ratio Lower Upper

131 100

133 87.9 47.5 142.5

119 0.0 33.4 100.1#





#67

Ethyl Benzene

Concen: 0.533 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 91 Resp: 9092

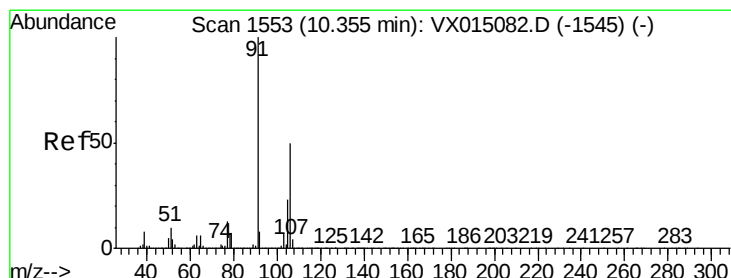
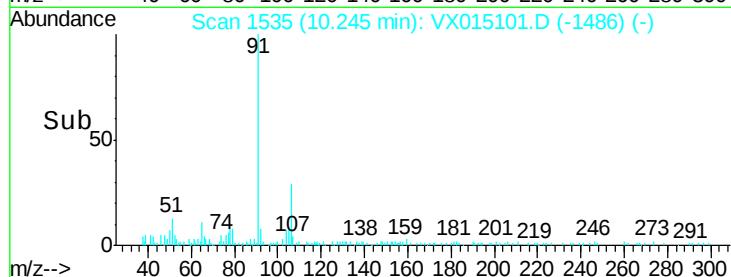
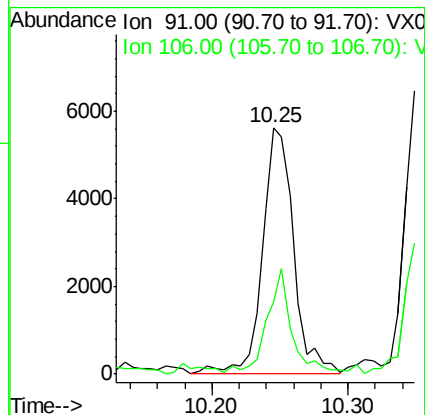
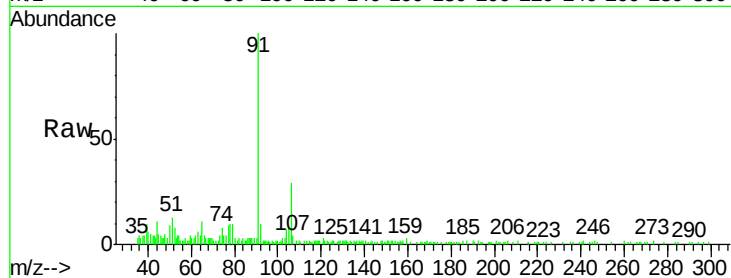
Ion Ratio Lower Upper

91 100

106 27.7 24.9 37.3

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3/6/2020 4:49:49 PM



#68

m/p-Xylenes

Concen: 0.983 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015101.D

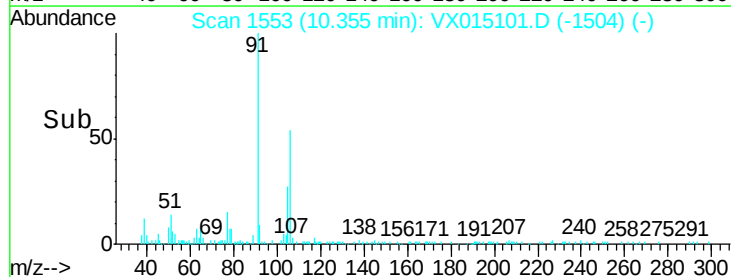
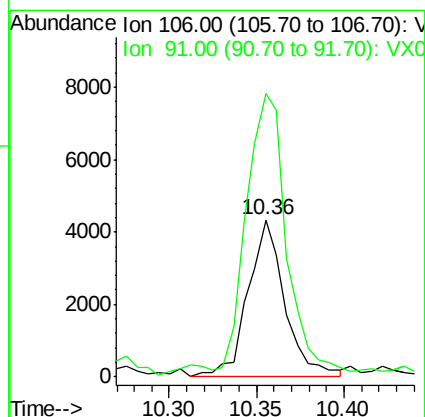
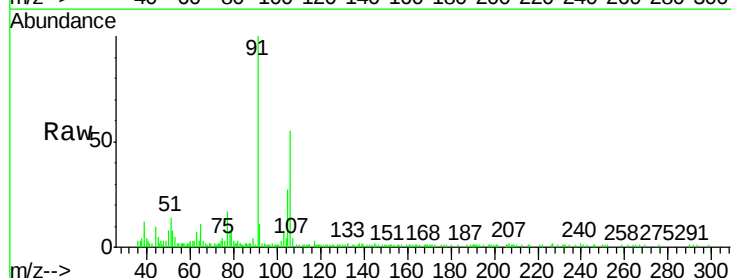
Acq: 05 Mar 2020 11:03

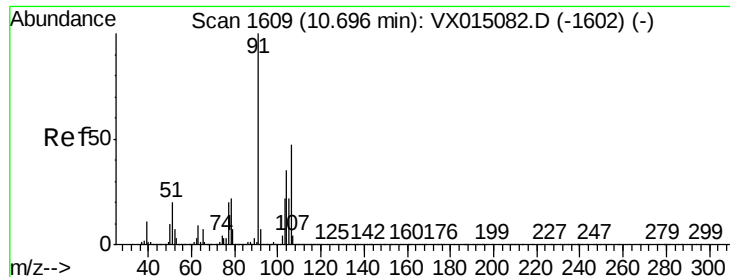
Tgt Ion: 106 Resp: 6379

Ion Ratio Lower Upper

106 100

91 187.9 159.4 239.2





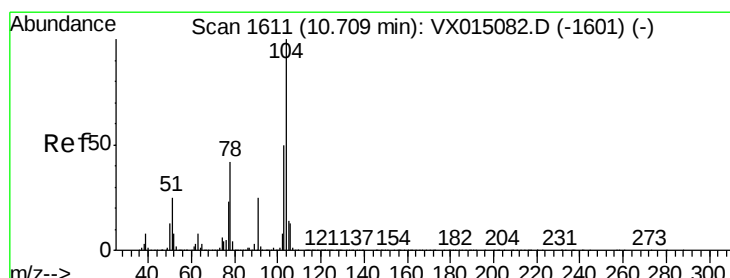
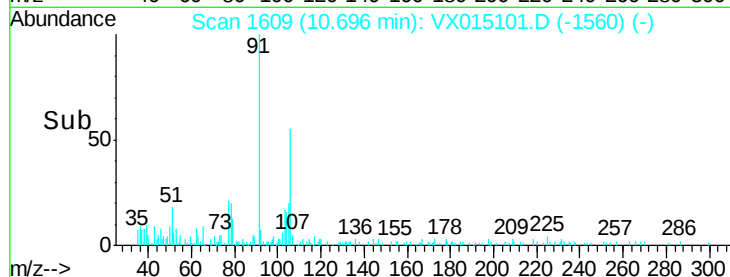
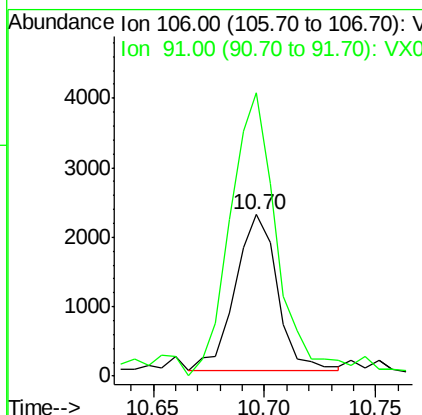
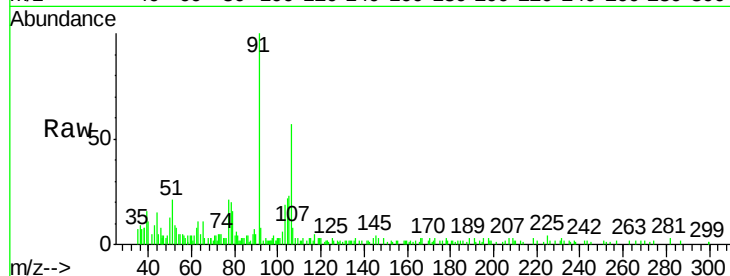
#69
o-Xylene
Concen: 0.475 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	105.4	316.1

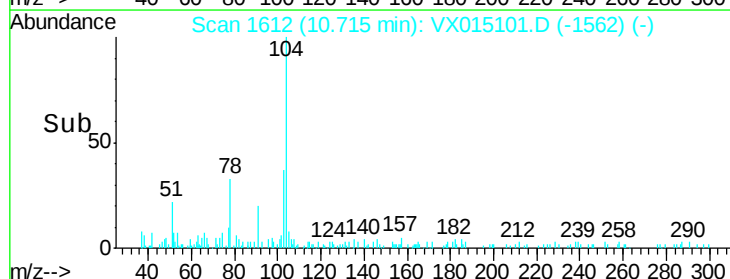
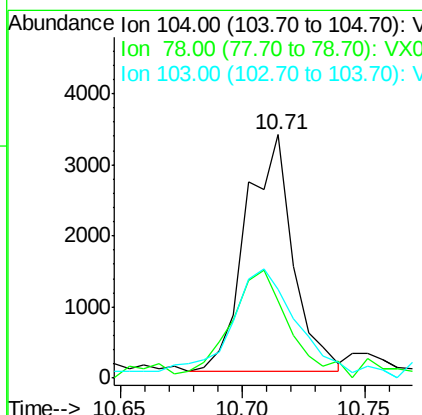
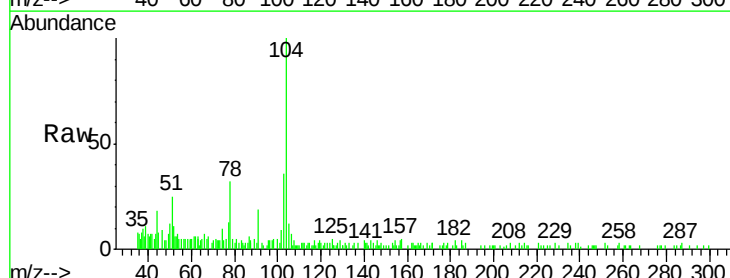
Manual Integrations
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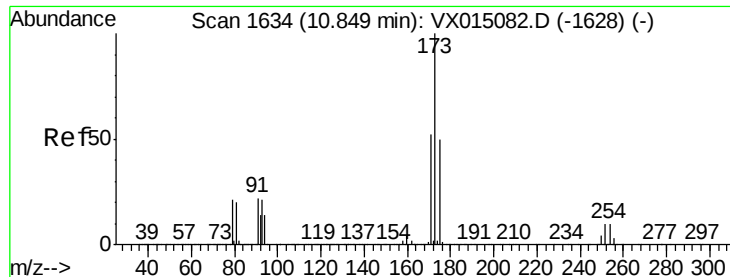
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#70
Styrene
Concen: 0.415 ug/l
RT: 10.71 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.5	39.0	58.4
103	69.2	43.7	65.5#





#71

Bromoform

Concen: 0.527 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

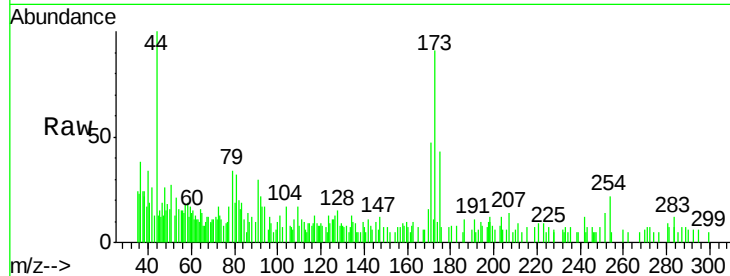
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

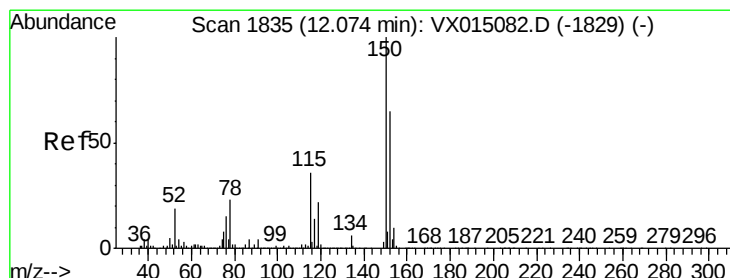
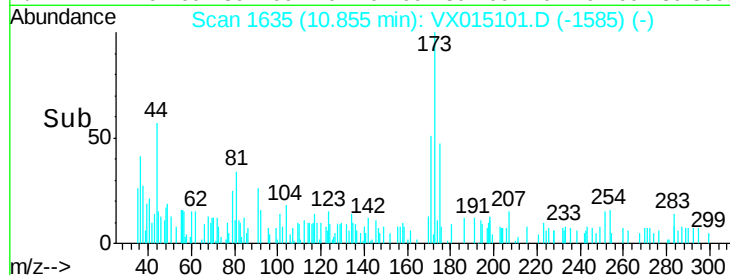
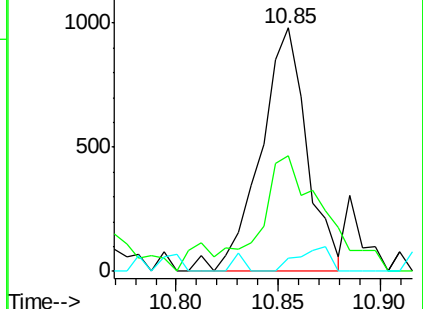
Tot Ion:	173	Resp:	1547
Ion Ratio	Lower	Upper	
173	100		
175	59.1	24.9	74.7
254	6.9	0.2	0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

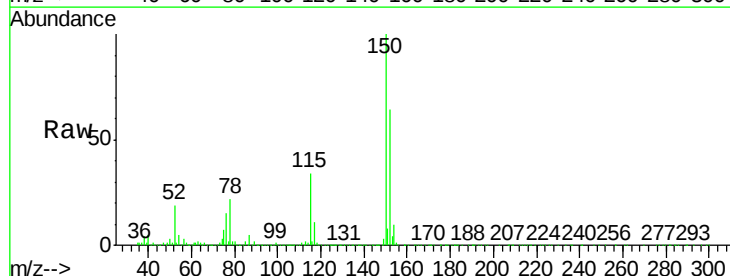
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

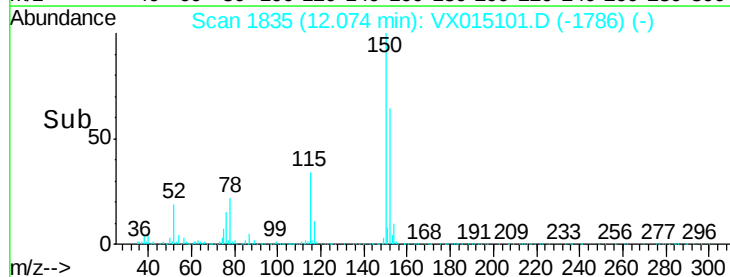
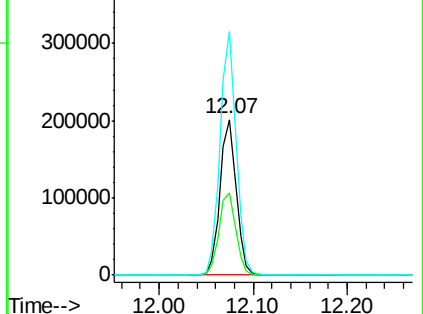
Lab File: VX015101.D

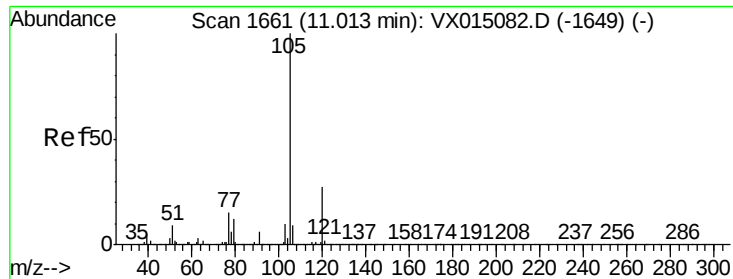
Acq: 05 Mar 2020 11:03

Tgt Ion:	152	Resp:	242980
Ion Ratio	Lower	Upper	
152	100		
115	54.9	38.2	114.6
150	154.8	0.0	343.8



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





#73

Isopropylbenzene

Concen: 0.444 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:105 Resp: 6891

Ion Ratio Lower Upper

105 100

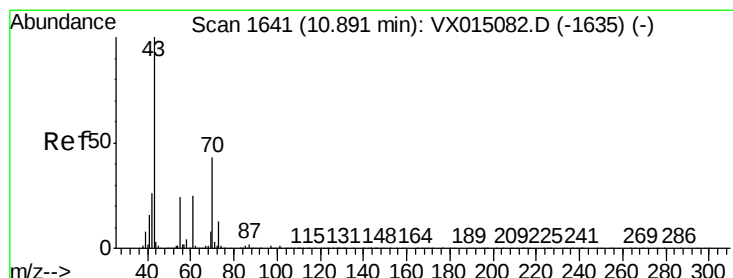
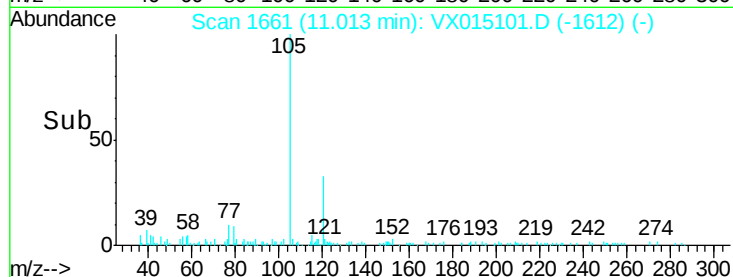
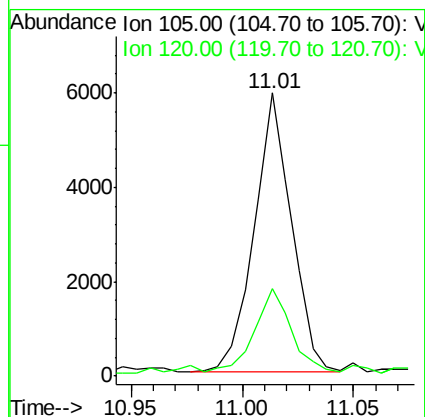
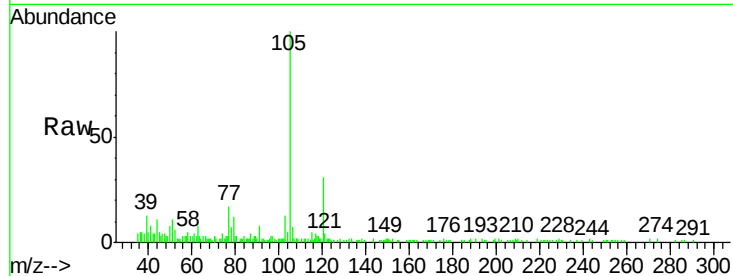
120 32.1

13.5

40.5

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3/6/2020 4:49:49 PM



#74

N-ethyl acetate

Concen: 0.442 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion: 43 Resp: 2891

Ion Ratio Lower Upper

43 100

70 41.6

34.7

52.1

55 30.3

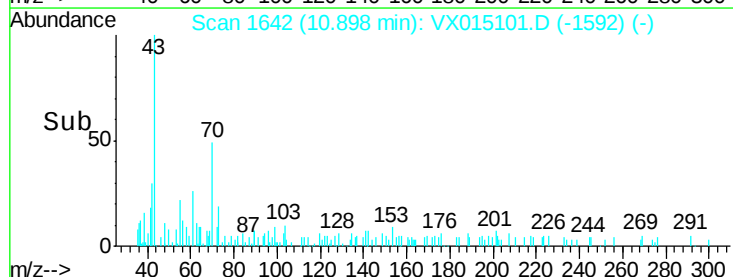
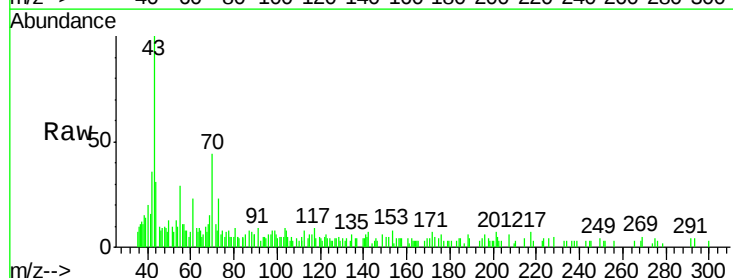
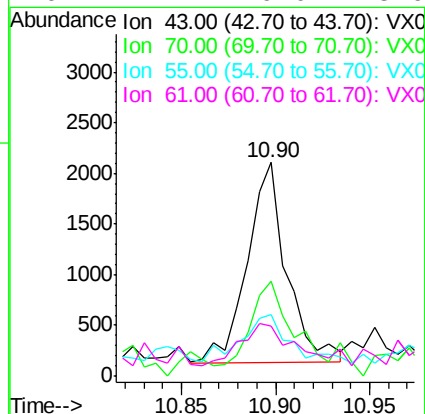
19.4

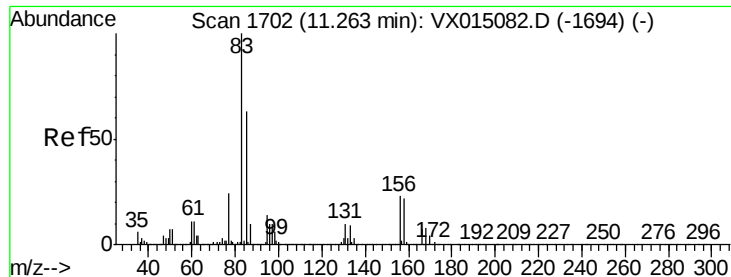
29.0#

61 27.4

19.0

28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.650 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

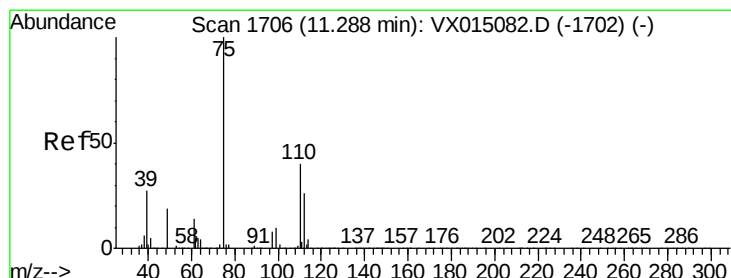
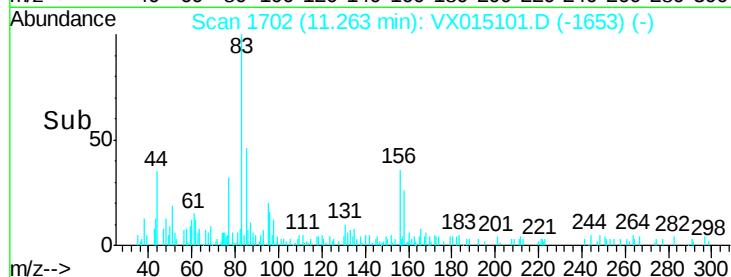
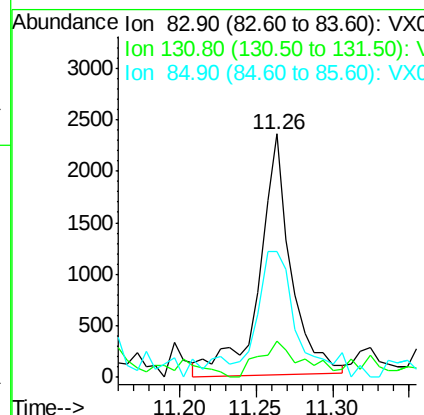
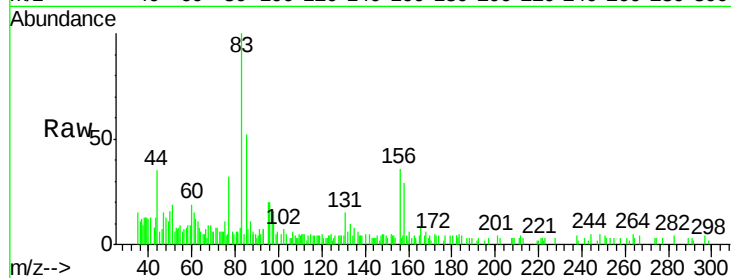
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	3363
Ion Ratio	Lower	Upper	
83	100		
131	20.3	5.0	14.9#
85	65.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.472 ug/l m

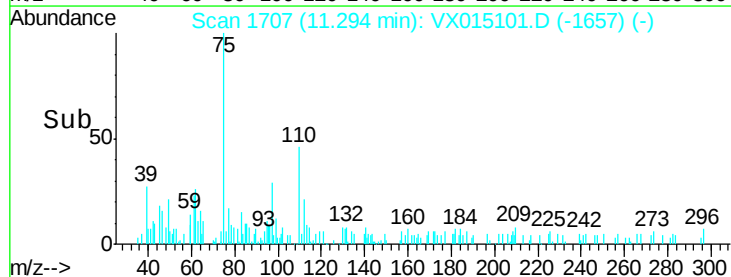
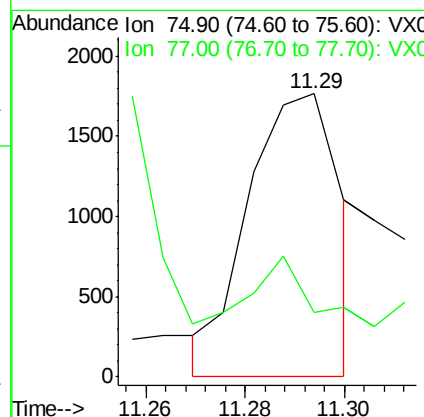
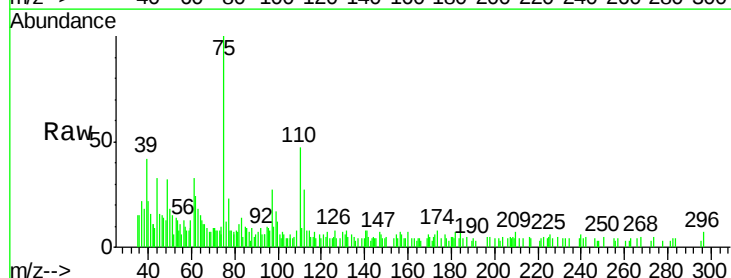
RT: 11.29 min Scan# 1707

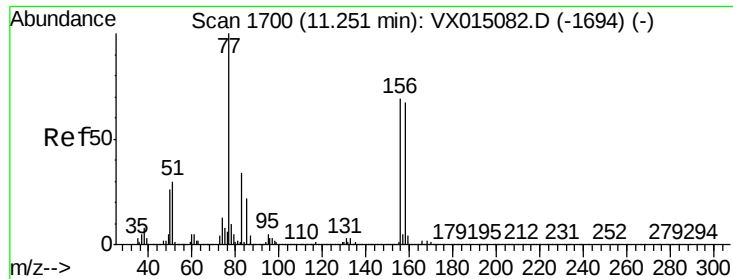
Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	75	Resp:	2288
Ion Ratio	Lower	Upper	
75	100		
77	90.8	22.6	67.8#





#77

Bromobenzene

Concen: 0.605 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

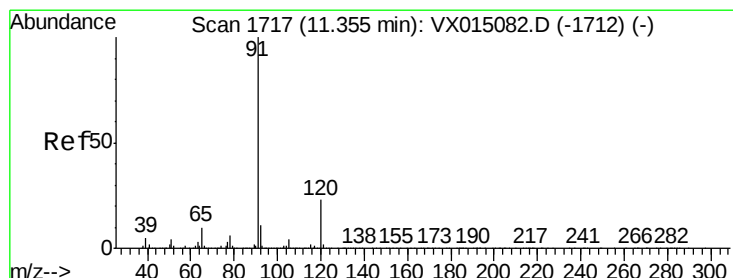
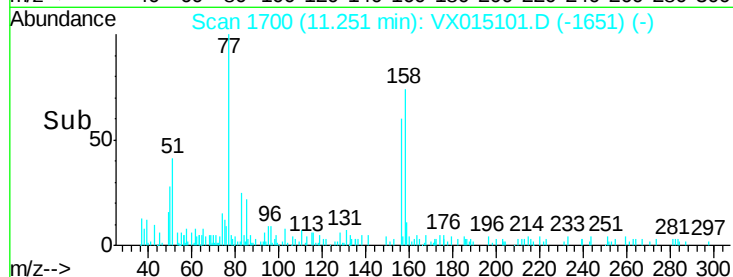
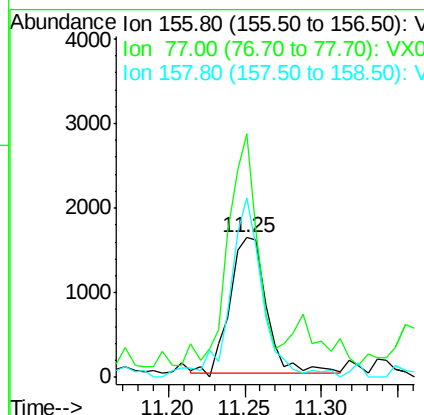
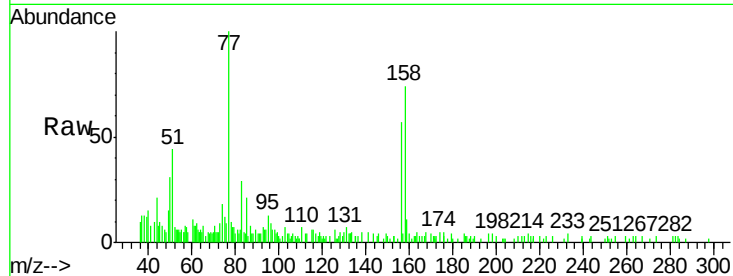
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	156	Resp:	2619
Ion Ratio	Lower	Upper	
156	100		
77	153.6	75.3	225.9
158	118.0	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 0.472 ug/l

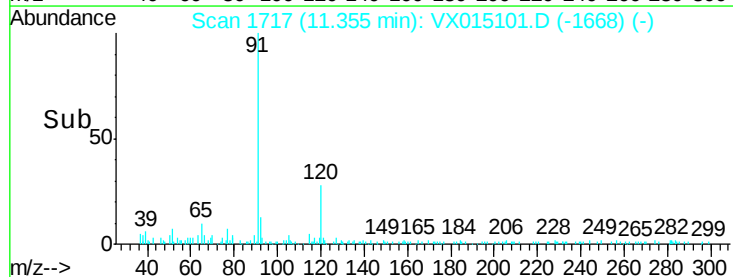
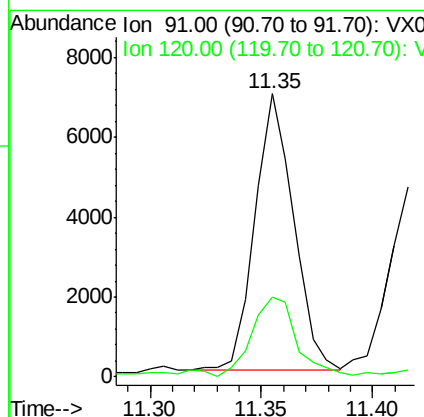
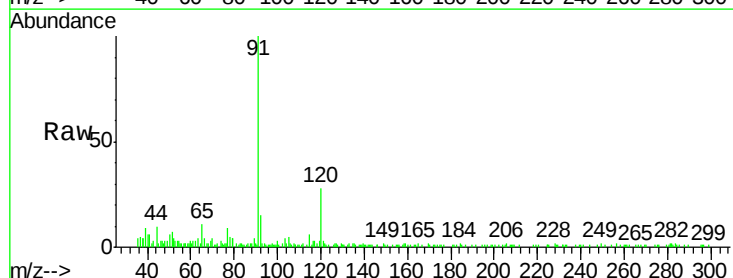
RT: 11.35 min Scan# 1717

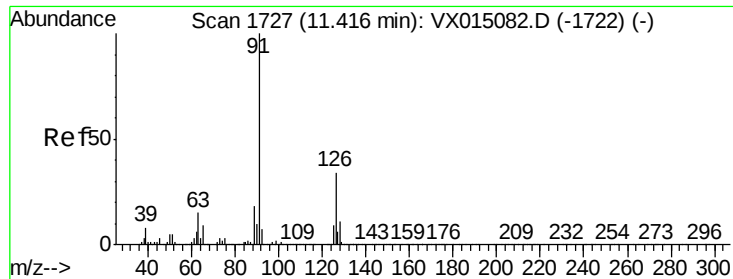
Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	91	Resp:	8377
Ion Ratio	Lower	Upper	
91	100		
120	33.7	11.7	35.1





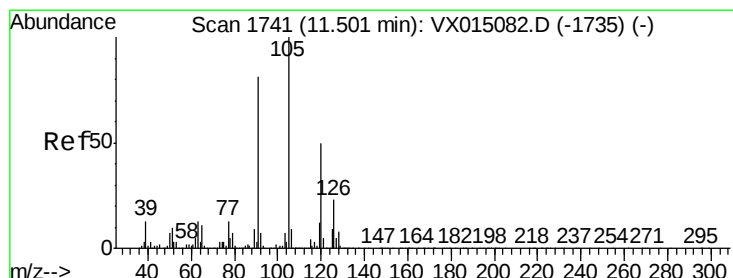
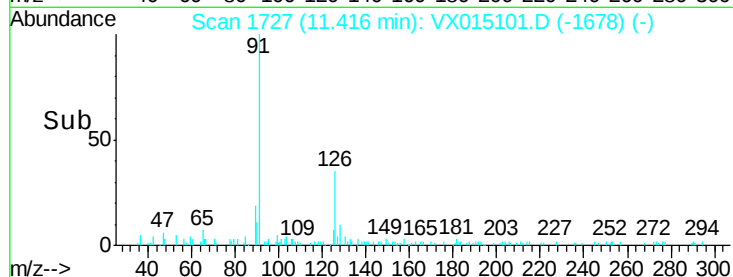
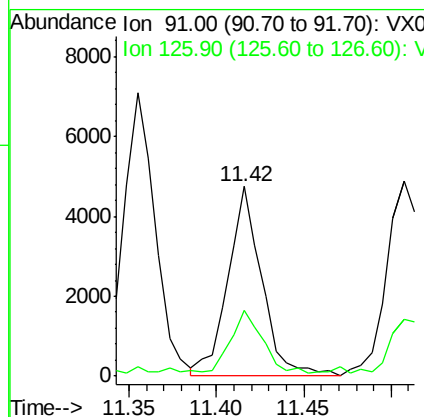
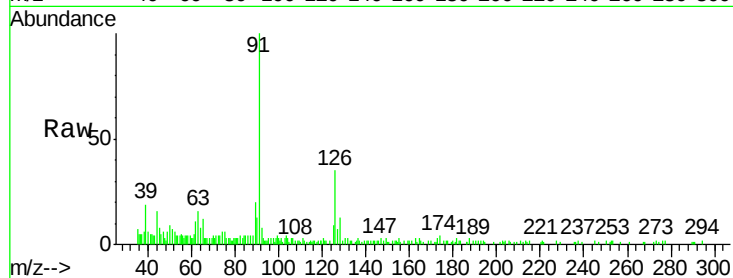
#79
2-Chlorotoluene
Concen: 0.608 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion: 91 Resp: 6439
Ion Ratio Lower Upper
91 100
126 32.2 17.3 52.0

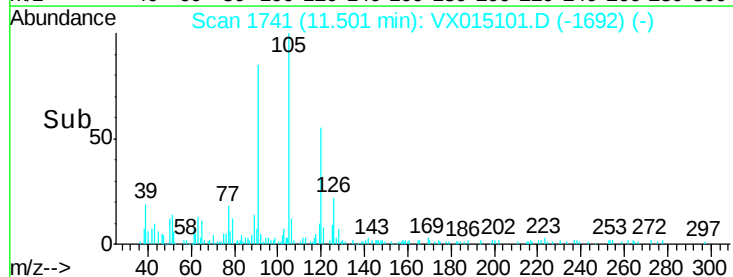
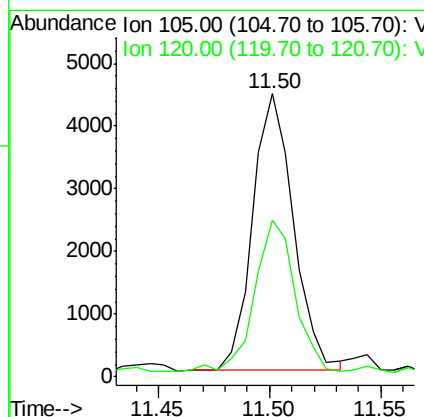
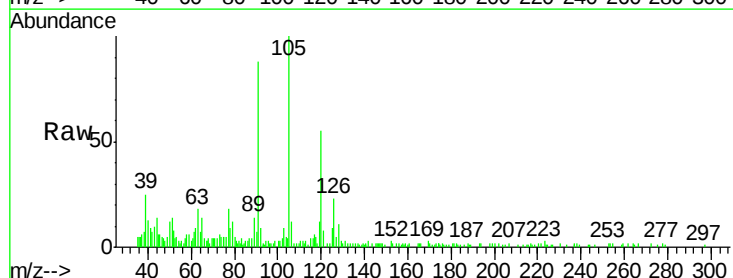
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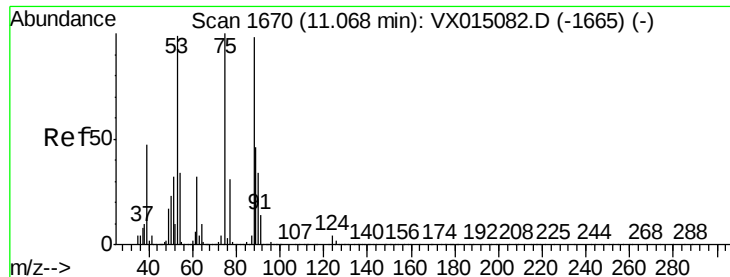
MMDadoda
3/6/2020 4:49:49 PM



#80
1,3,5-Trimethylbenzene
Concen: 0.435 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion: 105 Resp: 5624
Ion Ratio Lower Upper
105 100
120 54.4 25.1 75.4





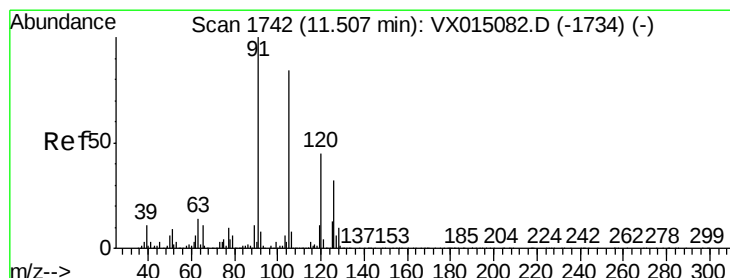
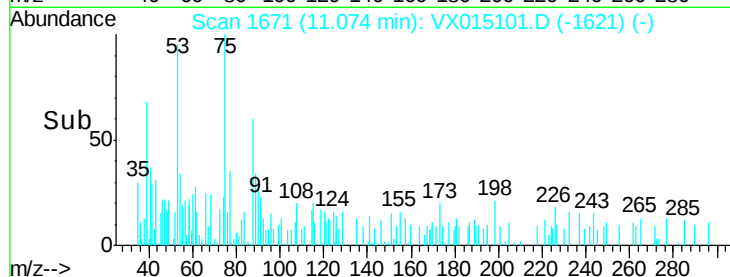
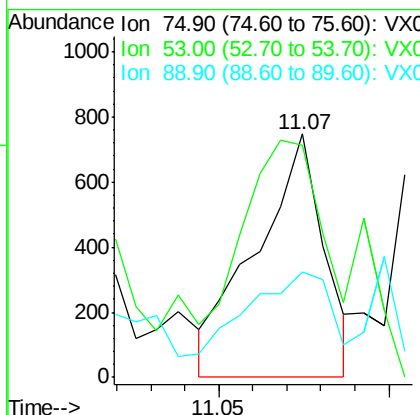
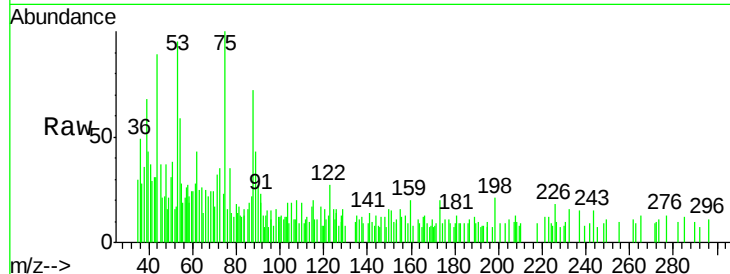
#81
trans-1,4-Dichloro-2-butene
Concen: 0.609 ug/l m
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	27.9	77.9	116.9#
89	0.0	36.2	54.2#

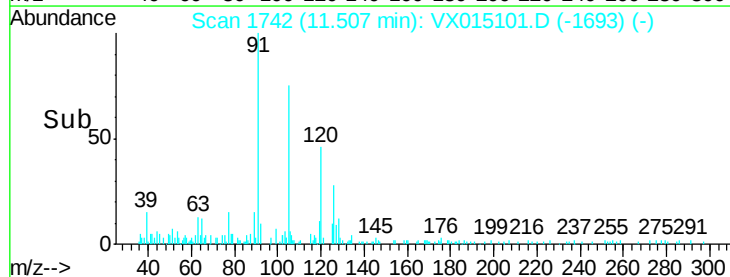
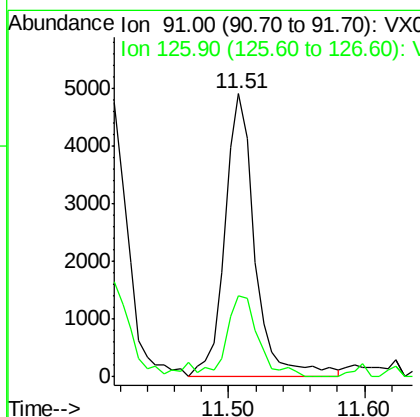
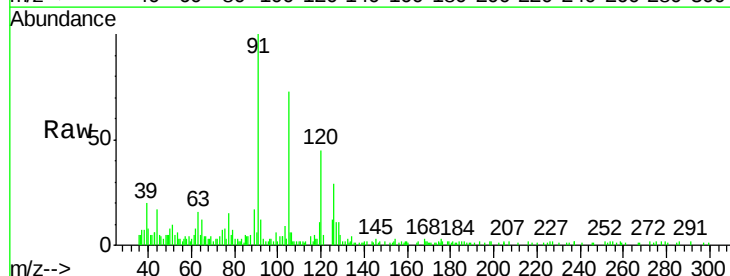
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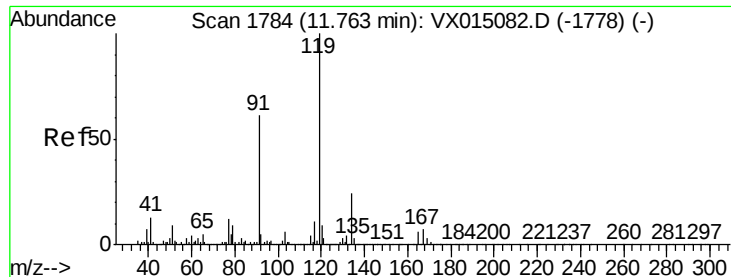
MMDadoda
3/6/2020 4:49:49 PM



#82
4-Chlorotoluene
Concen: 0.602 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	15.4	46.2





#83

tert-Butylbenzene

Concen: 0.486 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

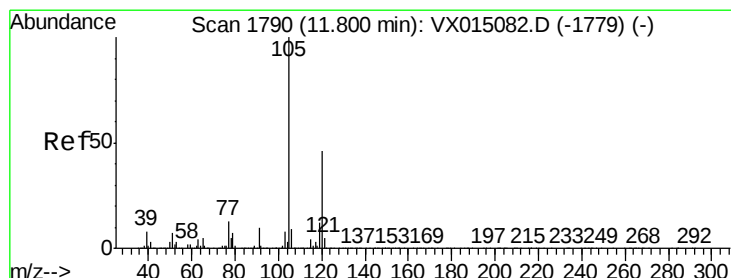
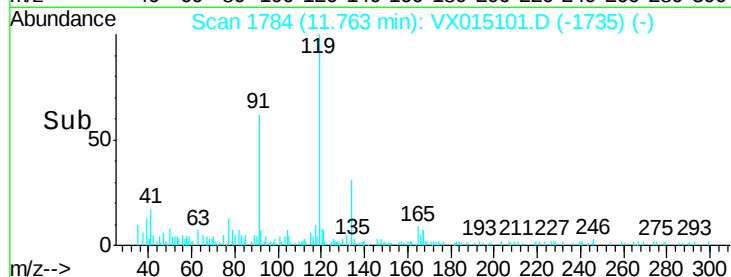
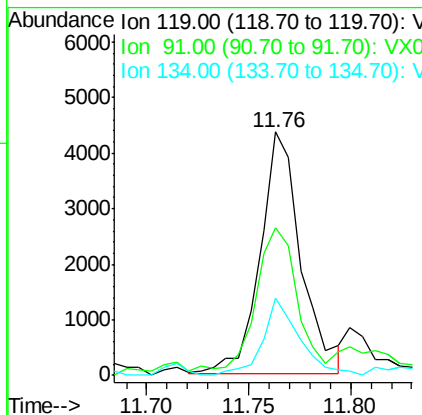
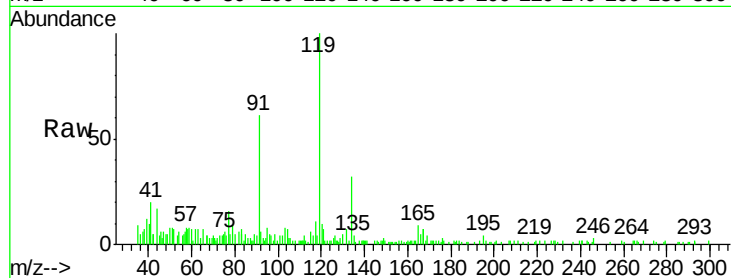
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	119	Resp:	6069
Ion Ratio	Lower	Upper	
119	100		
91	62.4	28.5	85.6
134	28.8	11.9	35.7

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#84

1,2,4-Trimethylbenzene

Concen: 0.451 ug/l

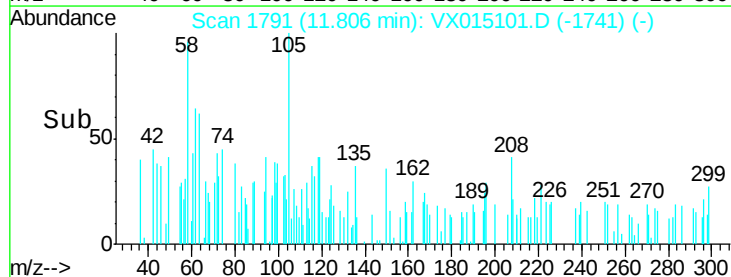
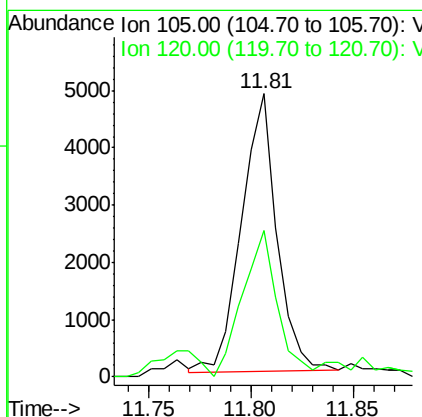
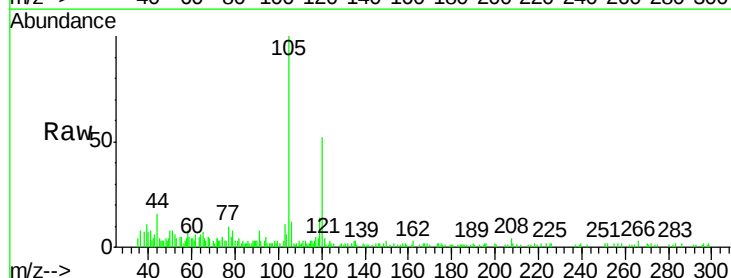
RT: 11.81 min Scan# 1791

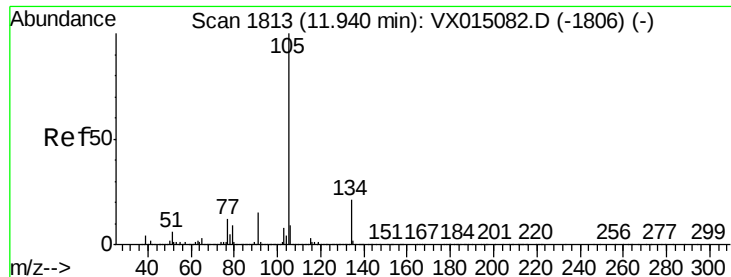
Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	105	Resp:	5855
Ion Ratio	Lower	Upper	
105	100		
120	52.2	22.9	68.5





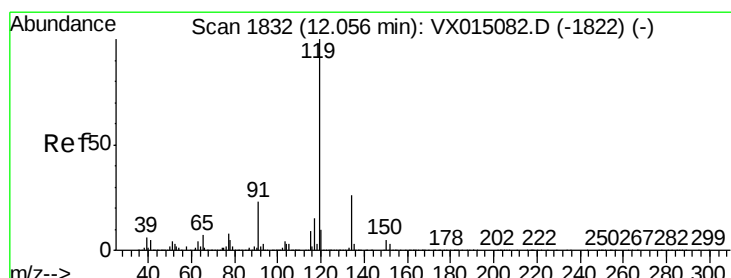
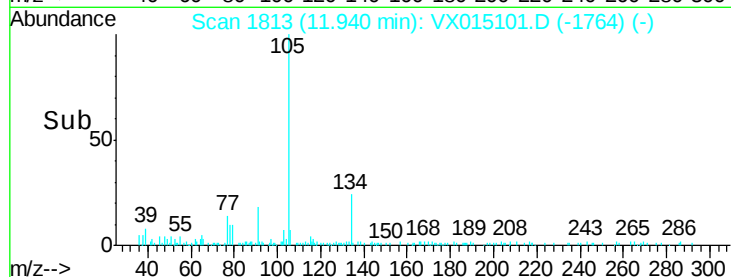
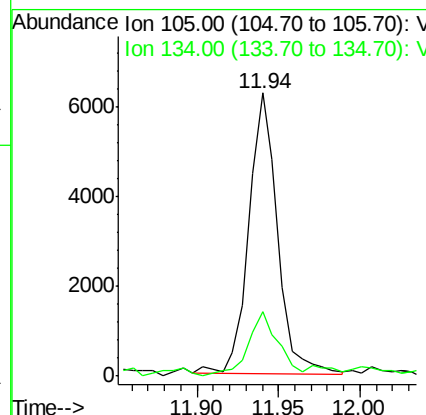
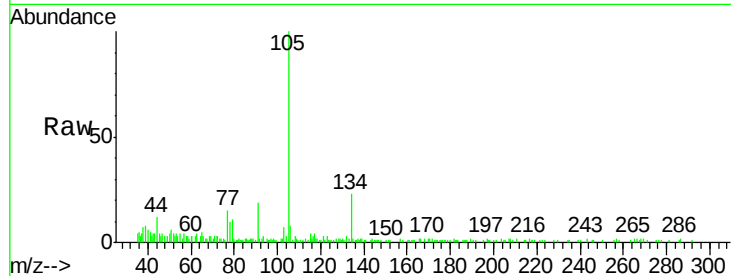
#85
 sec-Butylbenzene
 Concen: 0.514 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	24.0	10.4	31.2

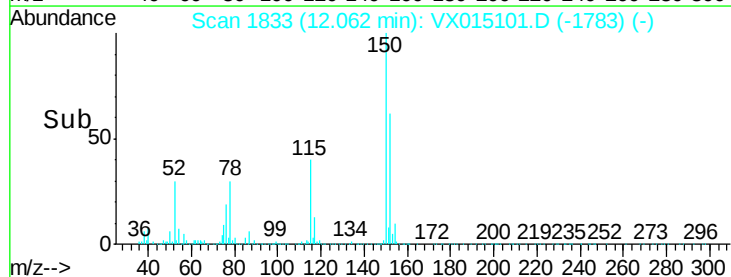
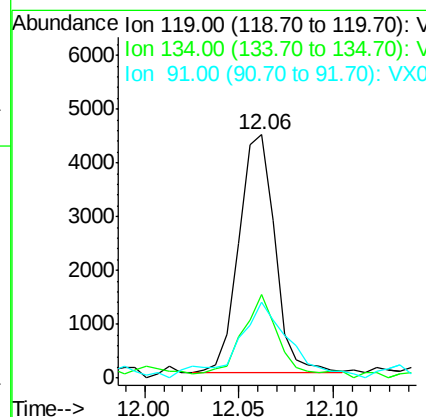
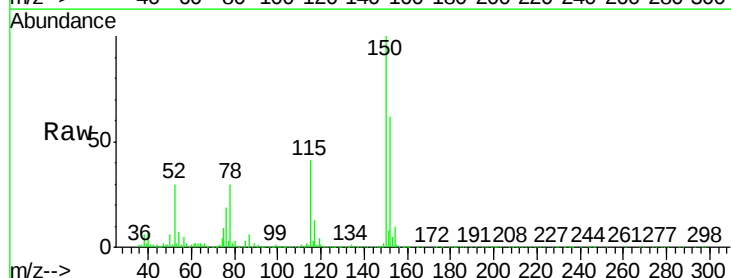
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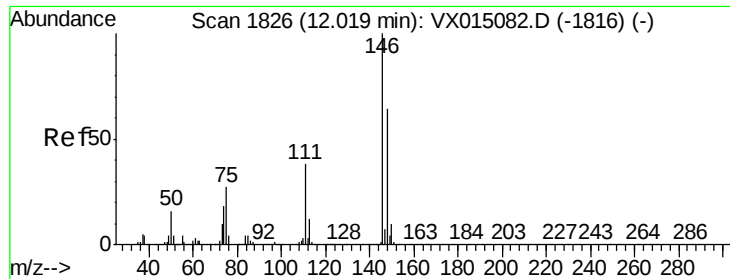
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#86
 p-Isopropyltoluene
 Concen: 0.423 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	37.8	13.4	40.1
91	46.2	11.3	33.8





#87

1,3-Dichlorobenzene

Concen: 0.649 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

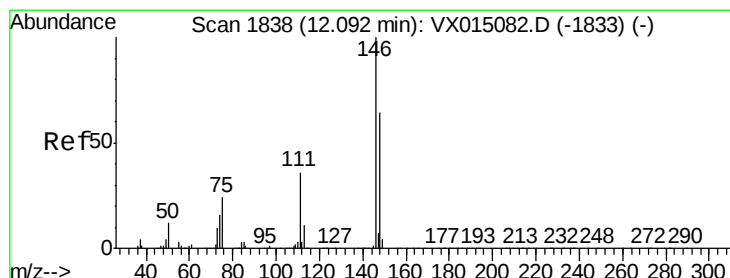
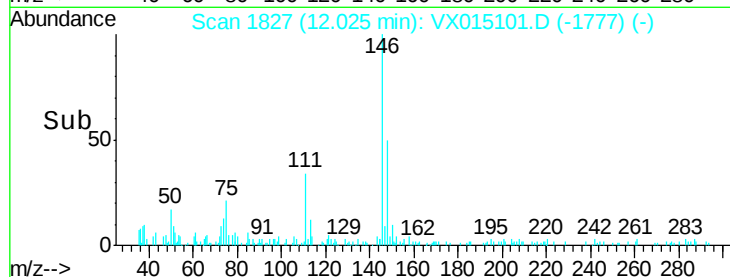
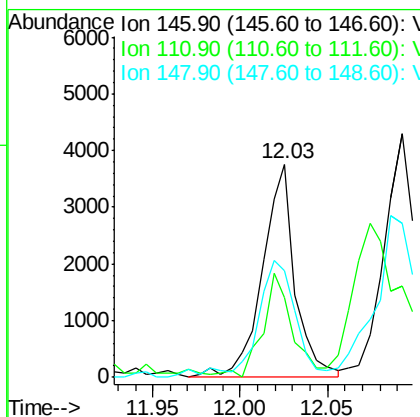
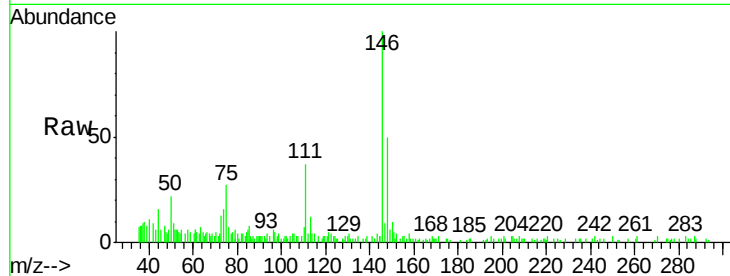
Instrument :
MSVOA_X

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.9	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 0.712 ug/l m

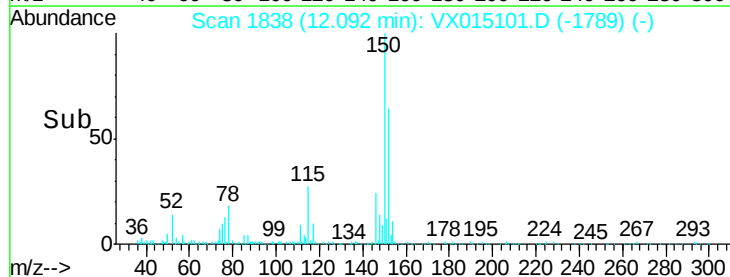
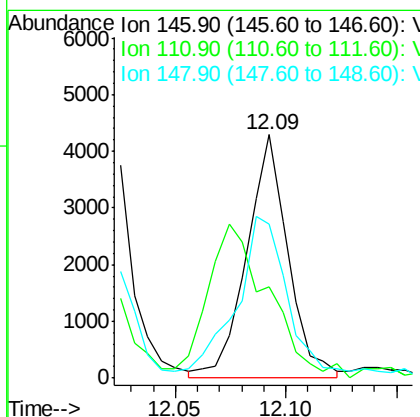
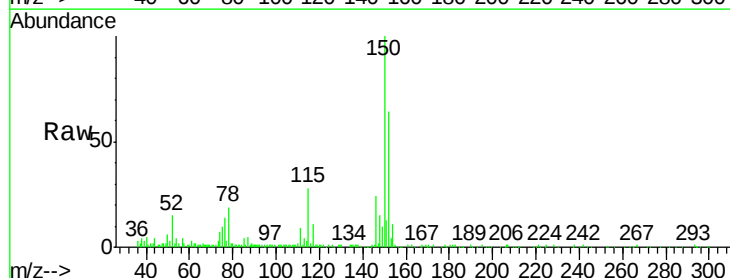
RT: 12.09 min Scan# 1838

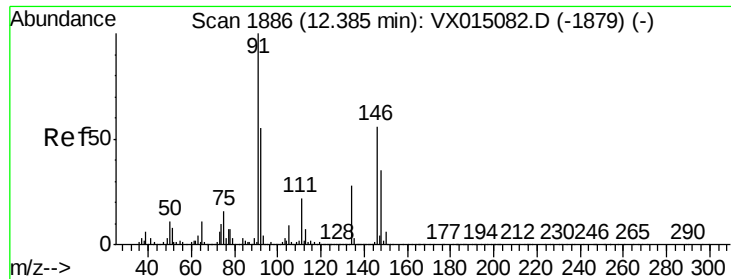
Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	18.7	56.1
148	57.3	32.5	97.4





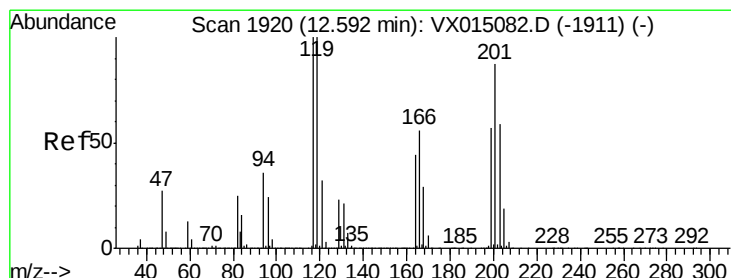
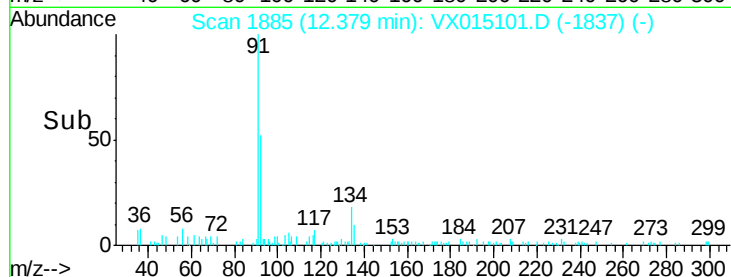
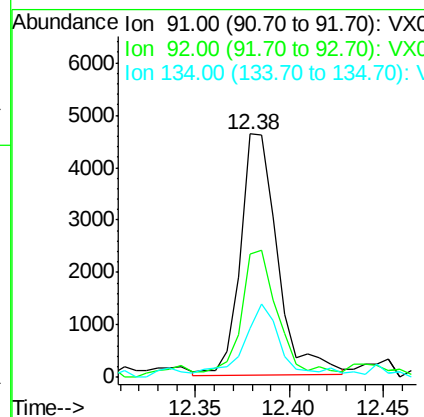
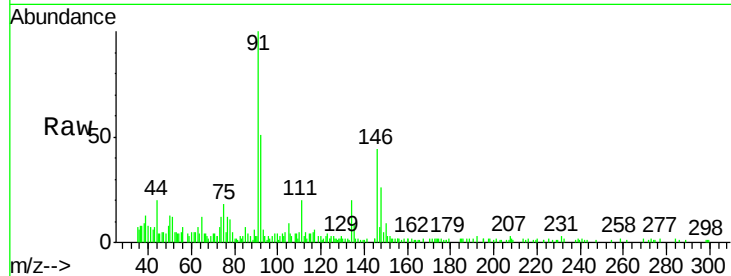
#89
n-Butylbenzene
Concen: 0.509 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.8	27.2	81.6
134	27.5	13.5	40.5

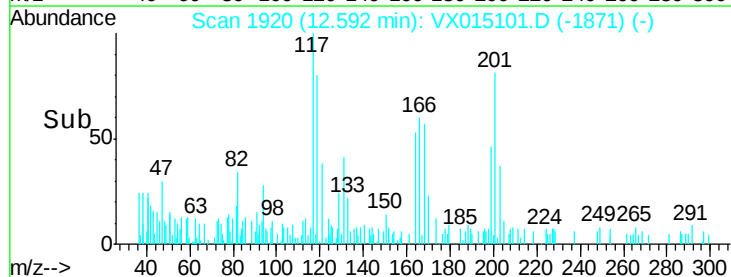
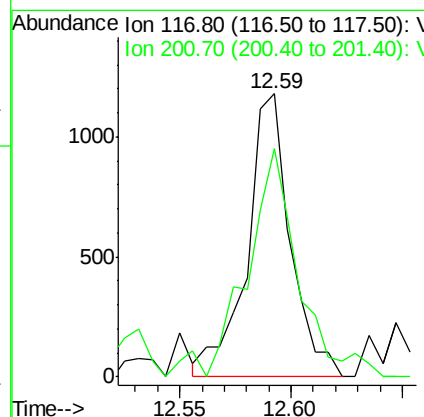
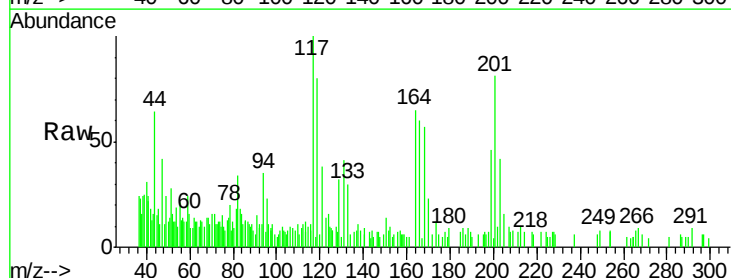
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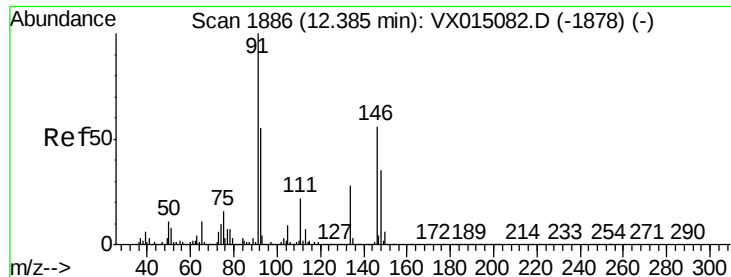
MMDadoda
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#90
Hexachloroethane
Concen: 0.609 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015101.D
Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	43.5	130.7





#91

1,2-Dichlorobenzene

Concen: 0.627 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

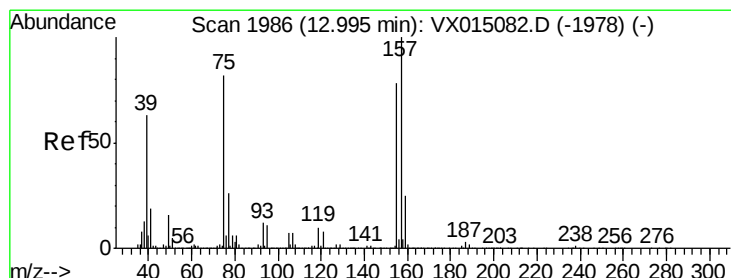
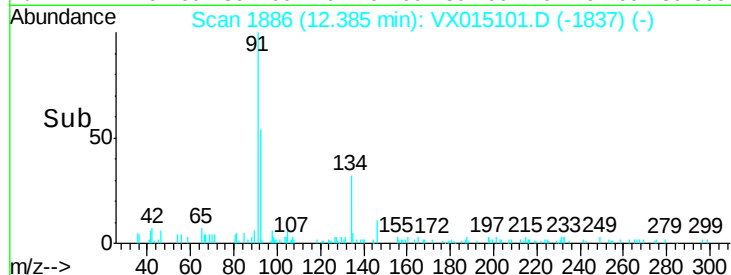
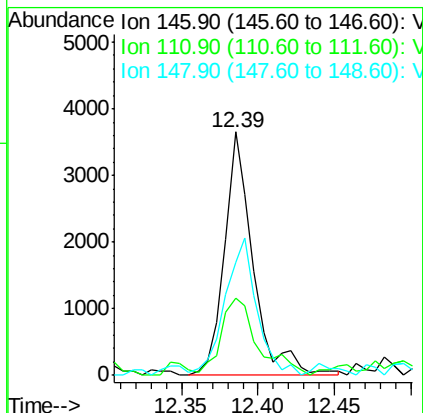
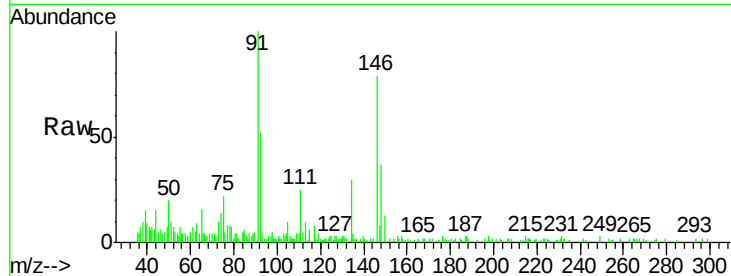
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	146	Resp:	4739
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.9	59.7
148	62.9	32.3	96.8

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.949 ug/l m

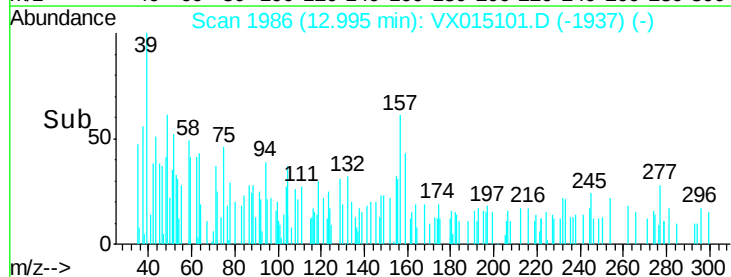
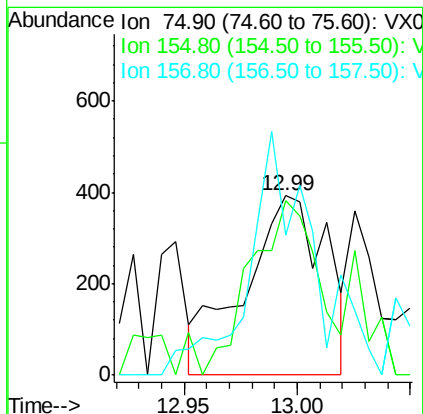
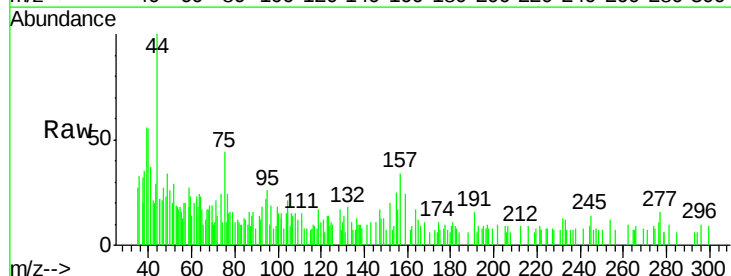
RT: 12.99 min Scan# 1986

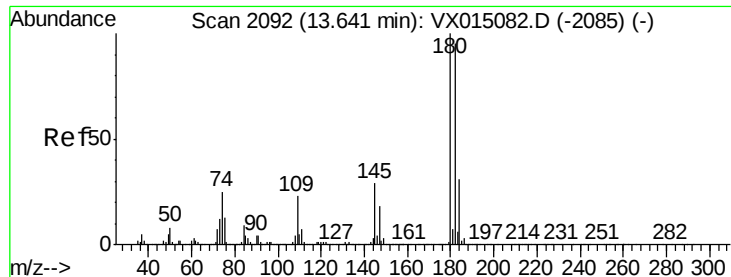
Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	75	Resp:	983
Ion Ratio	Lower	Upper	
75	100		
155	15.3	46.6	139.7#
157	18.0	59.2	177.5#





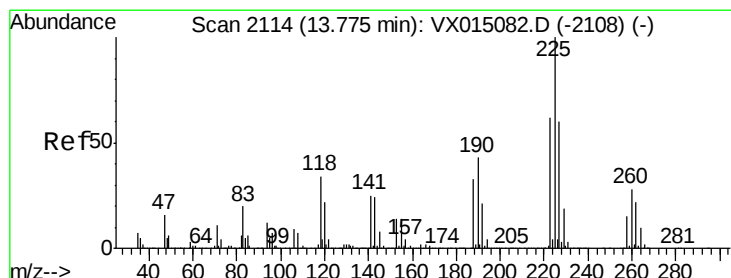
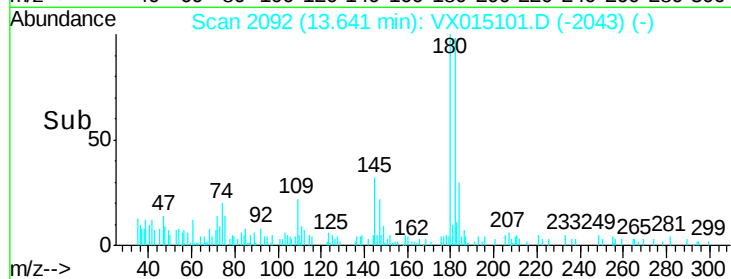
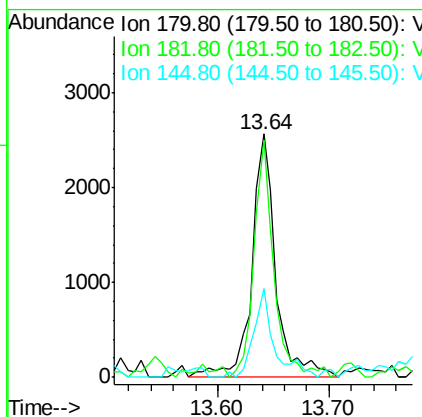
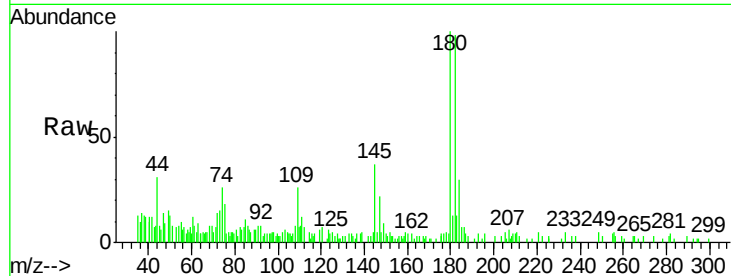
#93
 1,2,4-Trichlorobenzene
 Concen: 0.730 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3830		
182	81.6	47.6	142.8	
145	31.4	14.1	42.2	

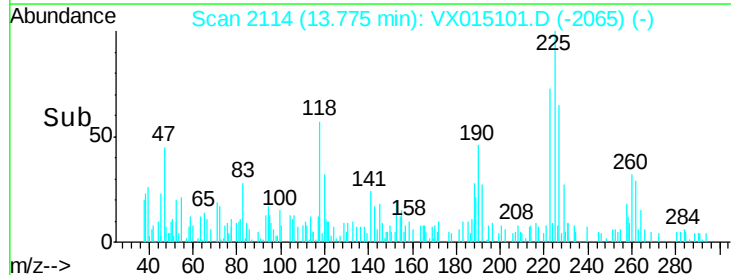
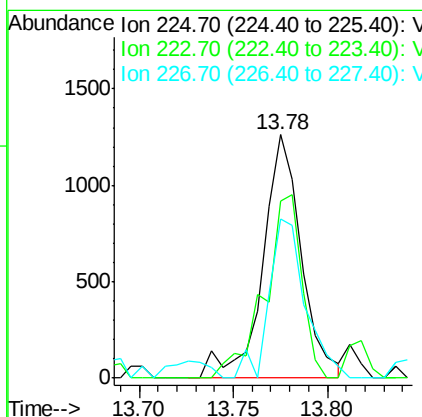
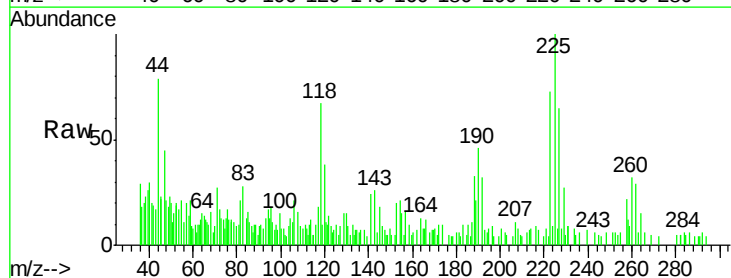
Manual Integrations
 APPROVED

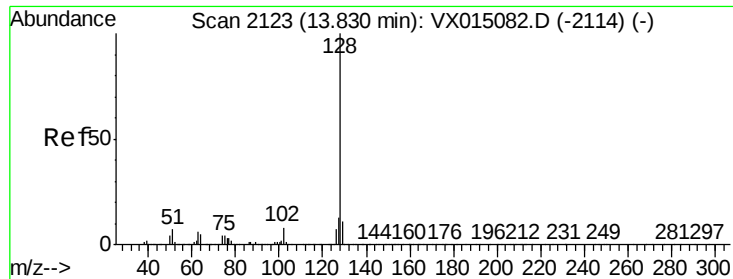
MMDadoda
 3/6/2020 4:49:49 PM



#94
 Hexachlorobutadiene
 Concen: 0.666 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015101.D
 Acq: 05 Mar 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1794		
223	72.5	31.3	93.9	
227	61.6	31.1	93.2	





#95

Naphthalene

Concen: 0.456 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Instrument :

MSVOA_X

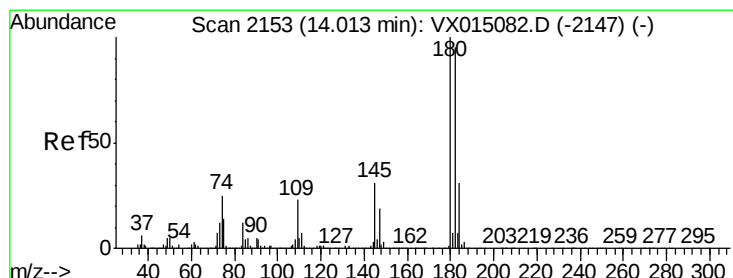
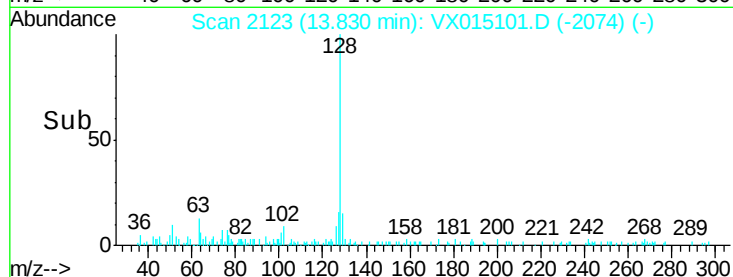
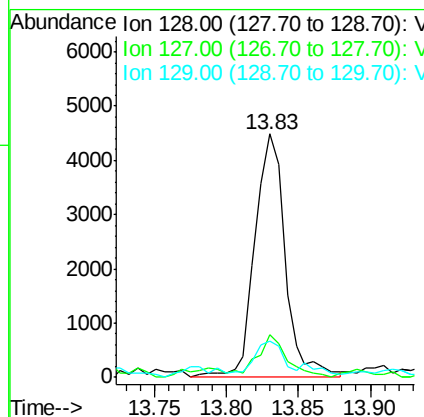
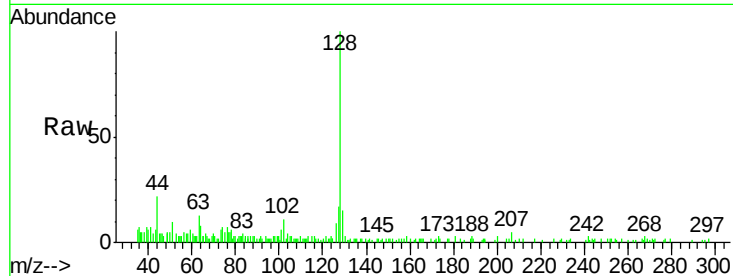
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	128	Resp:	6541
Ion Ratio	Lower	Upper	
128	100		
127	17.2	10.3	15.5#
129	11.8	8.6	13.0

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 0.605 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX015101.D

Acq: 05 Mar 2020 11:03

Tgt Ion:	180	Resp:	3170
Ion Ratio	Lower	Upper	
180	100		
182	90.7	47.8	143.4
145	30.3	15.1	45.3

