

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015100.D
 Acq On : 05 Mar 2020 10:40
 Operator : JC/SP
 Sample : L1161-07 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 3/6/2020 4:49:44 PM

Quant Time: Mar 06 04:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	354465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	550574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	495824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	205314	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.49	113	162084	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	8.71	98	606853	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	11.13	95	204717	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	1049	0.338	ug/l	99
3) Chloromethane	1.32	50	1535	0.349	ug/l #	59
4) Vinyl Chloride	1.40	62	1519	0.341	ug/l	97
5) Bromomethane	1.65	94	1641	0.599	ug/l	96
6) Chloroethane	1.72	64	560	0.209	ug/l #	42
7) Trichlorofluoromethane	1.93	101	1322	0.249	ug/l	94
8) Diethyl Ether	2.17	74	1162	0.484	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1325	0.397	ug/l #	77
10) Methyl Iodide	2.52	142	2388	0.633	ug/l #	49
11) Tert butyl alcohol	3.01	59	4442	6.088	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	926	0.269	ug/l #	52
13) Acrolein	2.29	56	1076	1.569	ug/l #	70
14) Allyl chloride	2.72	41	1597	0.266	ug/l #	83
15) Acrylonitrile	3.13	53	2209	1.216	ug/l #	17
16) Acetone	2.44	43	3699	2.172	ug/l	94
17) Carbon Disulfide	2.56	76	5026	0.525	ug/l #	79
18) Methyl Acetate	2.76	43	1668	0.401	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	2551	0.237	ug/l #	78
20) Methylene Chloride	2.85	84	1421	0.357	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	1455	0.396	ug/l	92
22) Diisopropyl ether	3.84	45	2470	0.206	ug/l #	83
23) Vinyl Acetate	3.81	43	9655	0.982	ug/l #	90
24) 1,1-Dichloroethane	3.69	63	1358	0.204	ug/l #	58
25) 2-Butanone	4.69	43	2880m	1.155	ug/l	
26) 2,2-Dichloropropane	4.58	77	1108	0.210	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	1890	0.458	ug/l	32
28) Bromochloromethane	5.02	49	717	0.237	ug/l #	64
29) Tetrahydrofuran	5.14	42	643	0.400	ug/l #	66
30) Chloroform	5.21	83	1759	0.272	ug/l #	63
31) Cyclohexane	5.58	56	1431	0.242	ug/l #	53
32) 1,1,1-Trichloroethane	5.48	97	1675m	0.312	ug/l	
36) 1,1-Dichloropropene	5.79	75	1580	0.310	ug/l #	75
37) Ethyl Acetate	4.82	43	1202m	0.255	ug/l	
38) Carbon Tetrachloride	5.77	117	1691m	0.352	ug/l	

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	1808	0.304	ug/l #	46
40) Benzene	6.14	78	3808	0.252	ug/l	91
41) Methacrylonitrile	5.01	41	813	0.287	ug/l #	69
42) 1,2-Dichloroethane	6.19	62	1762	0.340	ug/l #	69
43) Isopropyl Acetate	6.45	43	2328	0.280	ug/l #	86
44) Trichloroethene	7.20	130	1680	0.399	ug/l	86
45) 1,2-Dichloropropane	7.50	63	1585	0.406	ug/l #	44
46) Dibromomethane	7.66	93	1416m	0.556	ug/l	
47) Bromodichloromethane	7.90	83	1712m	0.340	ug/l	
48) Methyl methacrylate	7.77	41	1384	0.327	ug/l #	56
49) 1,4-Dioxane	7.76	88	273	2.987	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	4094	0.834	ug/l #	74
52) Toluene	8.78	92	2230	0.242	ug/l	90
53) t-1,3-Dichloropropene	9.04	75	1580	0.295	ug/l #	61
54) cis-1,3-Dichloropropene	8.43	75	1326	0.219	ug/l #	72
55) 1,1,2-Trichloroethane	9.21	97	1083	0.285	ug/l #	63
56) Ethyl methacrylate	9.17	69	1341	0.247	ug/l #	76
57) 1,3-Dichloropropane	9.37	76	1919m	0.300	ug/l	
58) 2-Chloroethyl Vinyl ether	8.31	63	2721m	0.921	ug/l	
59) 2-Hexanone	9.50	43	4057	1.115	ug/l	97
60) Dibromochloromethane	9.57	129	1171	0.293	ug/l	88
61) 1,2-Dibromoethane	9.67	107	1223m	0.306	ug/l	
64) Tetrachloroethene	9.34	164	1239	0.302	ug/l #	73
65) Chlorobenzene	10.14	112	2875	0.289	ug/l #	75
66) 1,1,1,2-Tetrachloroethane	10.22	131	1126	0.300	ug/l #	58
67) Ethyl Benzene	10.25	91	4214	0.249	ug/l	96
68) m/p-Xylenes	10.35	106	3304	0.514	ug/l	77
69) o-Xylene	10.70	106	1419	0.230	ug/l	79
70) Styrene	10.71	104	2605	0.247	ug/l	93
71) Bromoform	10.84	173	1087	0.373	ug/l #	28
73) Isopropylbenzene	11.01	105	3239	0.213	ug/l	82
74) N-amyl acetate	10.90	43	1570	0.245	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.26	83	1307	0.258	ug/l #	46
76) 1,2,3-Trichloropropane	11.29	75	1070m	0.226	ug/l	
77) Bromobenzene	11.25	156	1904	0.450	ug/l	85
78) n-propylbenzene	11.35	91	4721	0.272	ug/l	94
79) 2-Chlorotoluene	11.42	91	3216	0.310	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	2987	0.236	ug/l	67
81) trans-1,4-Dichloro-2-buten	11.07	75	596m	0.357	ug/l	
82) 4-Chlorotoluene	11.51	91	3880	0.317	ug/l	89
83) tert-Butylbenzene	11.77	119	2919	0.239	ug/l #	88
84) 1,2,4-Trimethylbenzene	11.80	105	2740	0.216	ug/l	92
85) sec-Butylbenzene	11.94	105	3845	0.260	ug/l	84
86) p-Isopropyltoluene	12.06	119	3594	0.264	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	3034	0.408	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	3943m	0.513	ug/l	
89) n-Butylbenzene	12.38	91	4549m	0.376	ug/l	
90) Hexachloroethane	12.58	117	1090	0.424	ug/l	86
91) 1,2-Dichlorobenzene	12.38	146	2595	0.351	ug/l	81
92) 1,2-Dibromo-3-Chloropropan	13.01	75	698	0.688	ug/l	85

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

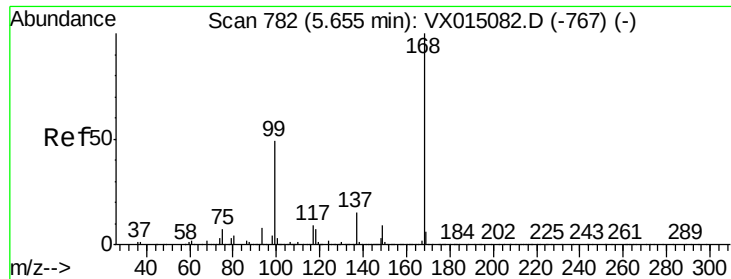
Manual Integrations
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3/6/2020 4:49:44 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	2630	0.512	ug/l	88
94) Hexachlorobutadiene	13.77	225	1493	0.566	ug/l	88
95) Naphthalene	13.83	128	5276	0.376	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	2639	0.515	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion:168 Resp: 354465

Ion Ratio Lower Upper

168 100

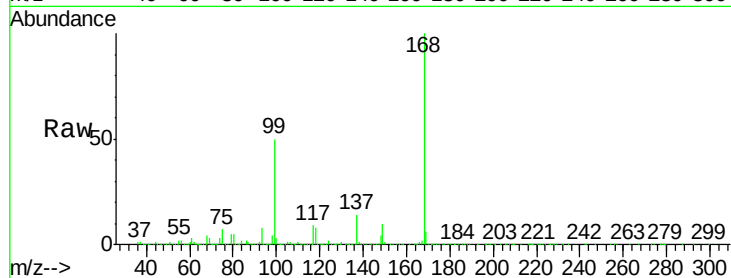
99 50.2 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

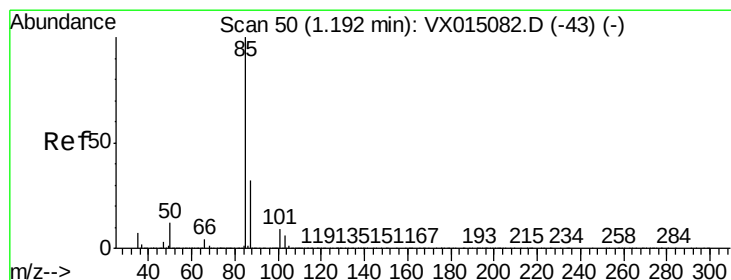
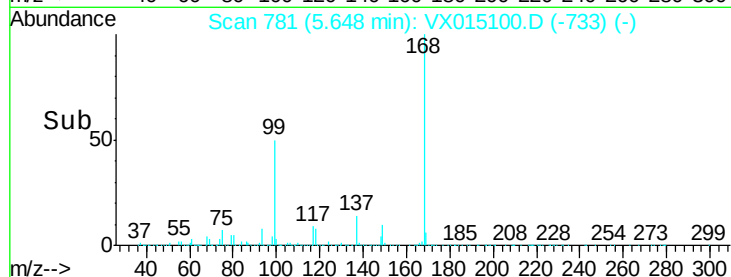
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.338 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015100.D

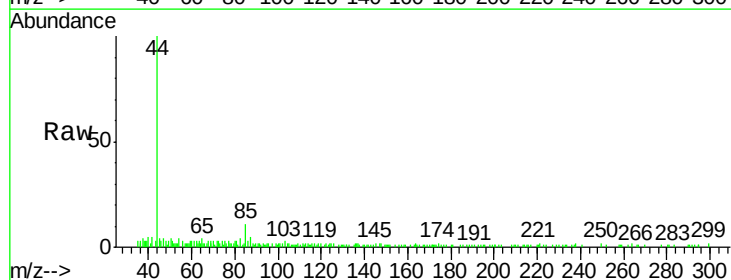
Acq: 05 Mar 2020 10:40

Tgt Ion: 85 Resp: 1049

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

800

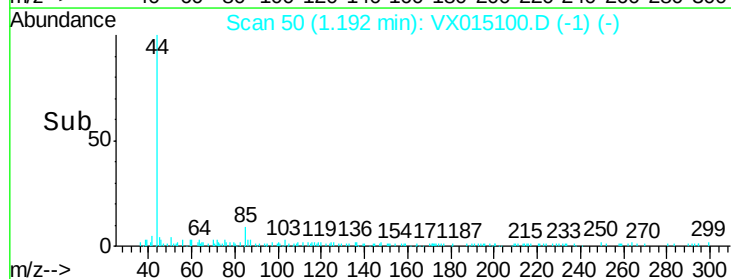
600

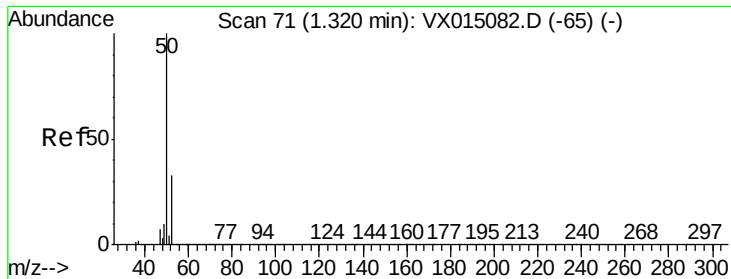
400

200

0

Time-->





#3

Chloromethane

Concen: 0.349 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 50 Resp: 1535

Ion Ratio Lower Upper

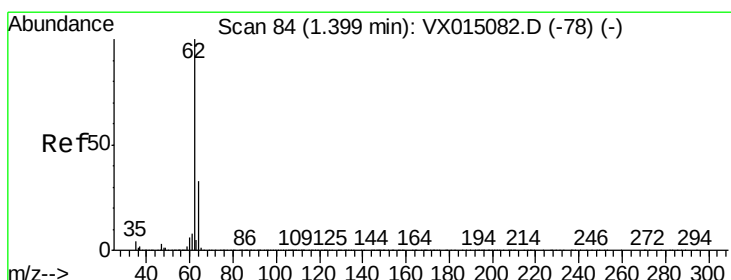
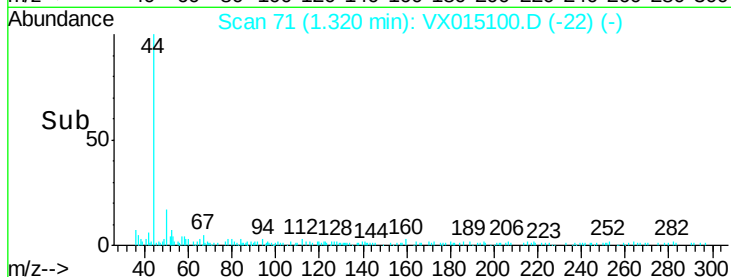
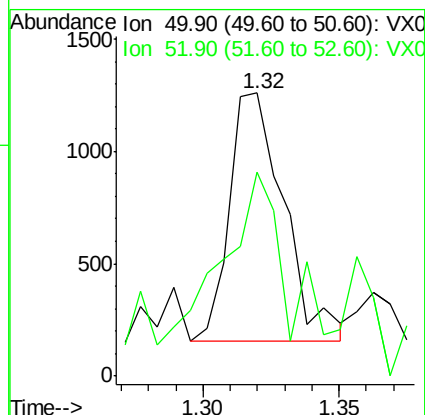
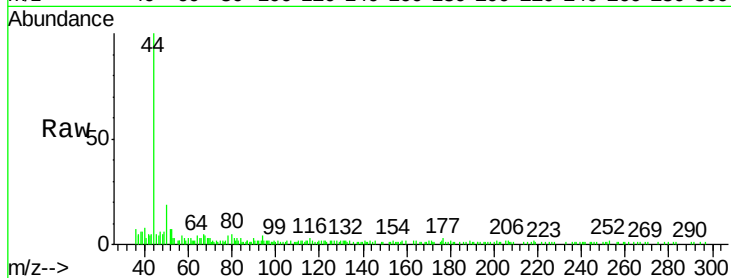
50 100

52 55.9 26.2 39.2#

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#4

Vinyl Chloride

Concen: 0.341 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015100.D

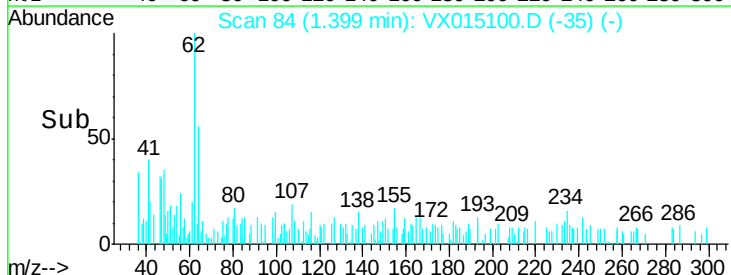
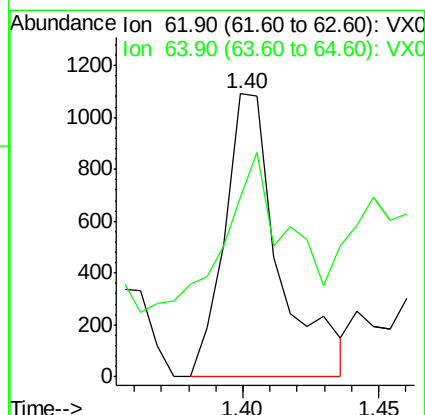
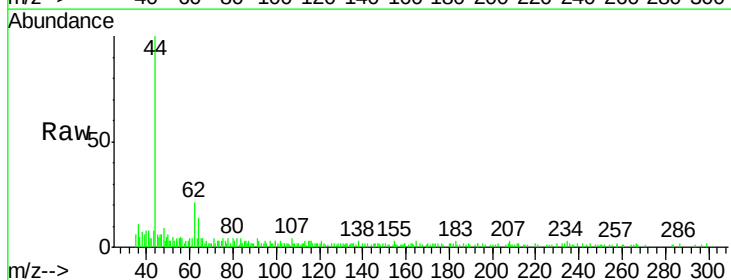
Acq: 05 Mar 2020 10:40

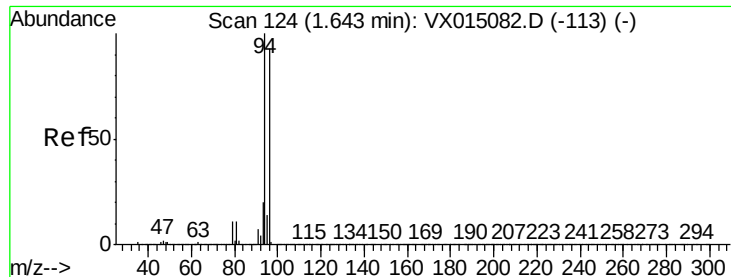
Tgt Ion: 62 Resp: 1519

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 0.599 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 94 Resp: 1641

Ion Ratio Lower Upper

94 100

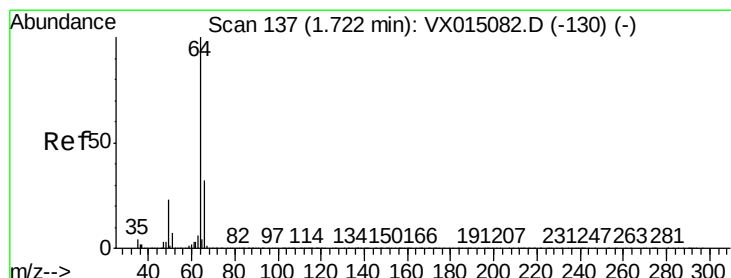
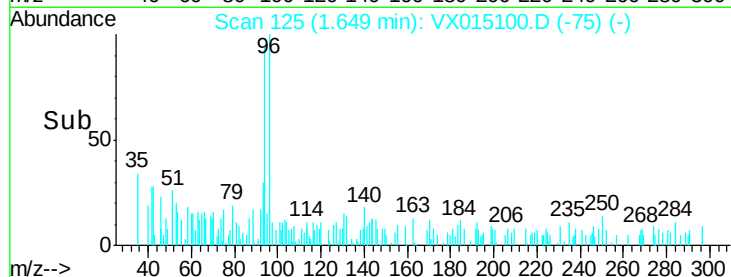
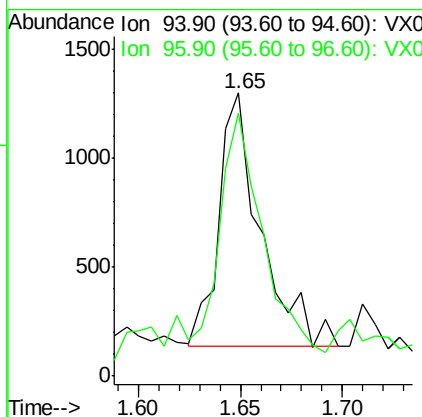
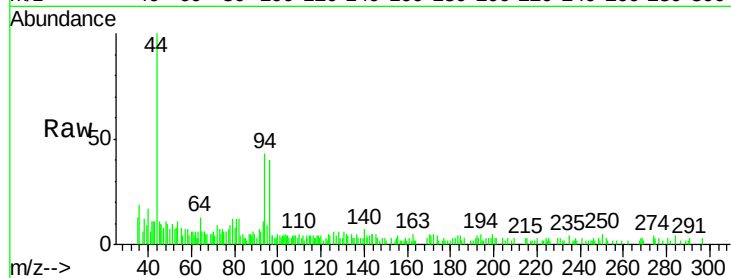
96 89.8 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015100.D

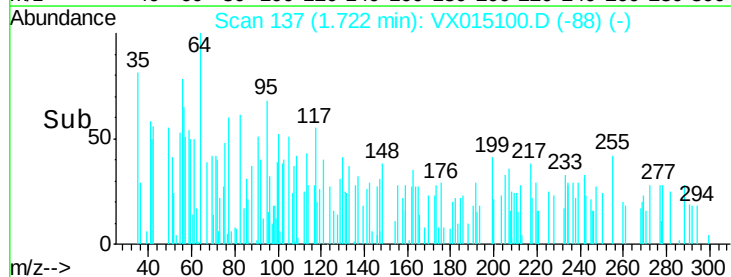
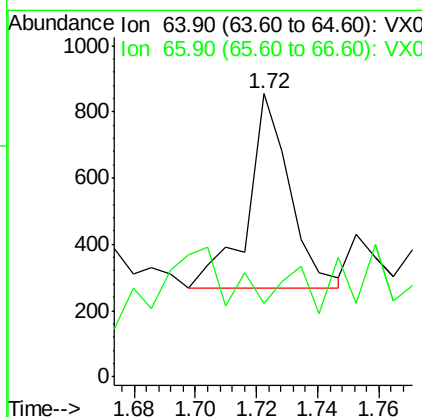
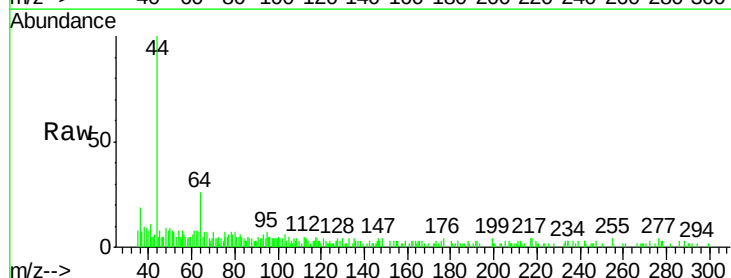
Acq: 05 Mar 2020 10:40

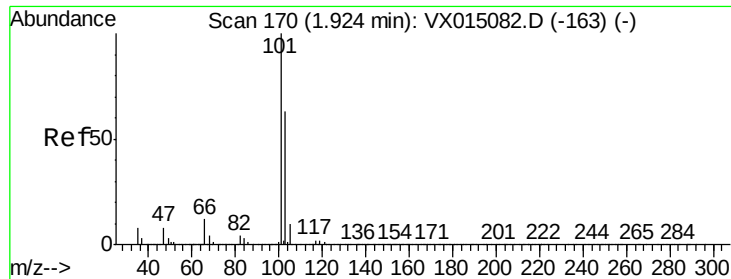
Tgt Ion: 64 Resp: 560

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#





#7

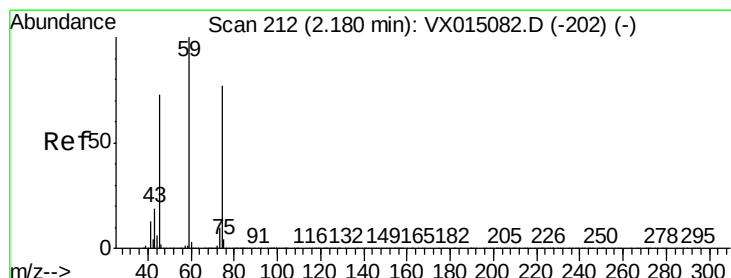
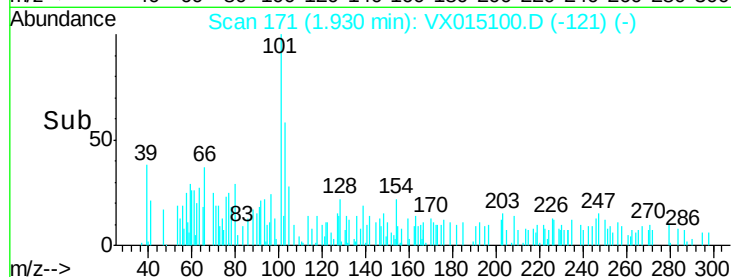
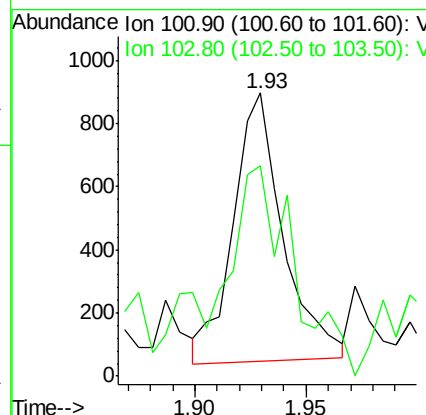
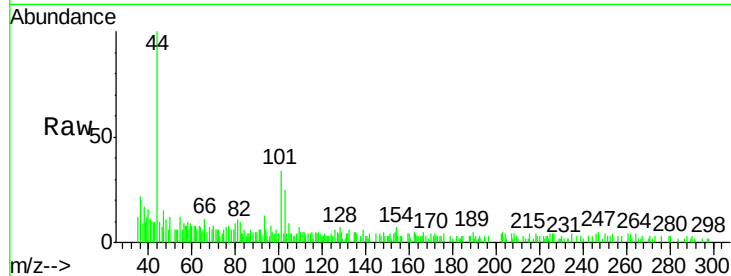
Trichlorofluoromethane
Concen: 0.249 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.4	75.6

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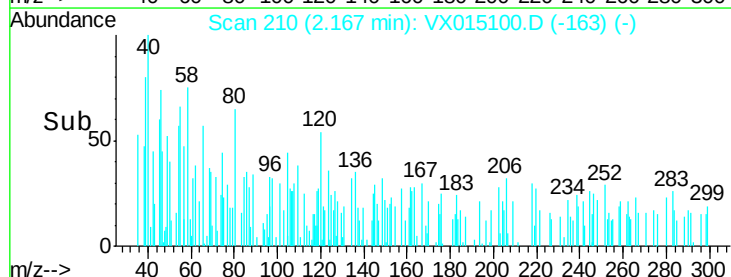
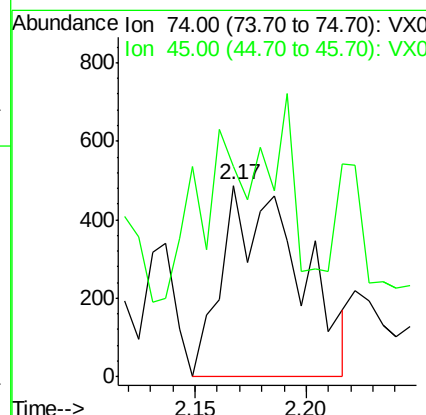
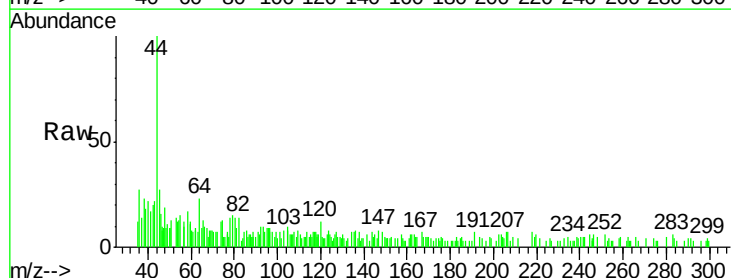
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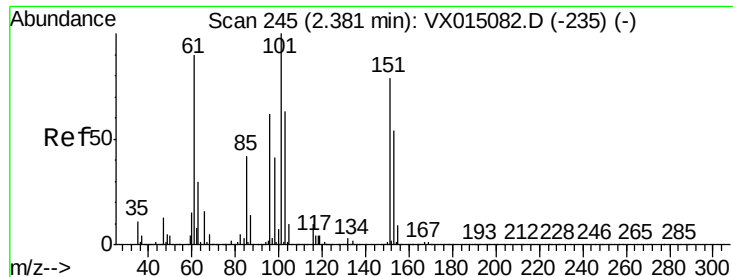


#8

Diethyl Ether
Concen: 0.484 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	53.9	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.397 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

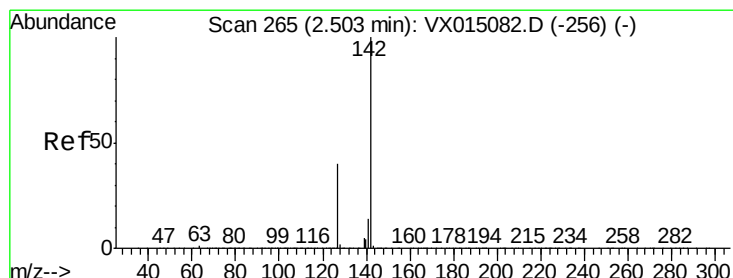
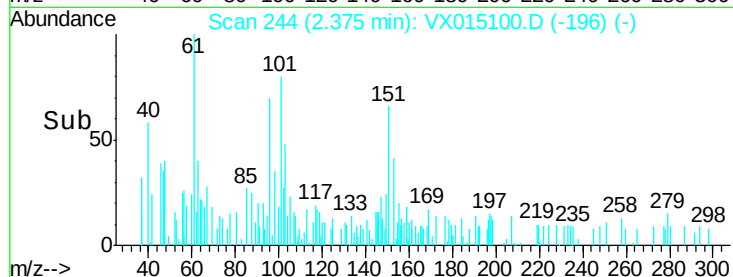
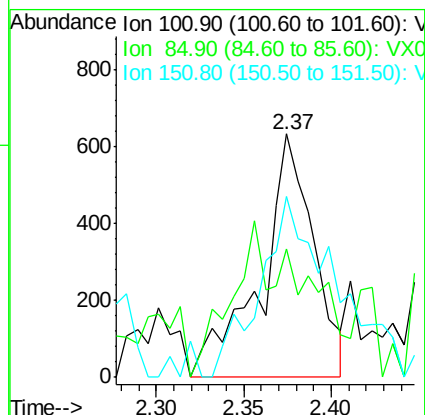
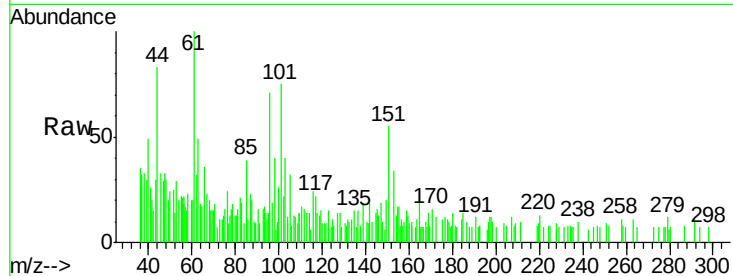
ClientSampleId :

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

Tot Ion:	101	Resp:	1325
Ion Ratio	Lower	Upper	
101	100		
85	48.1	33.7	50.5
151	106.6	64.0	96.0#

Manual Integrations
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#10

Methyl Iodide

Concen: 0.633 ug/l

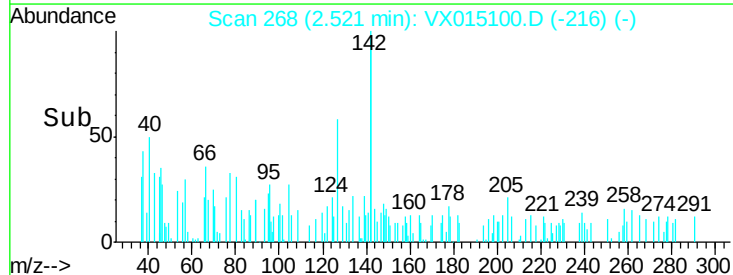
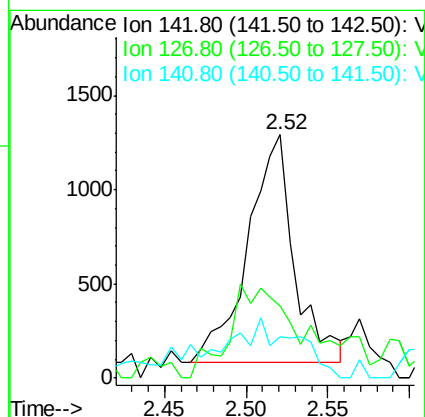
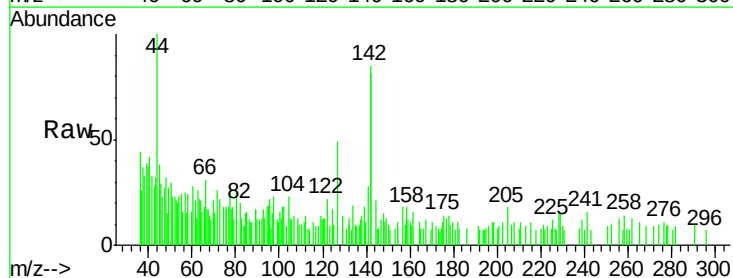
RT: 2.52 min Scan# 268

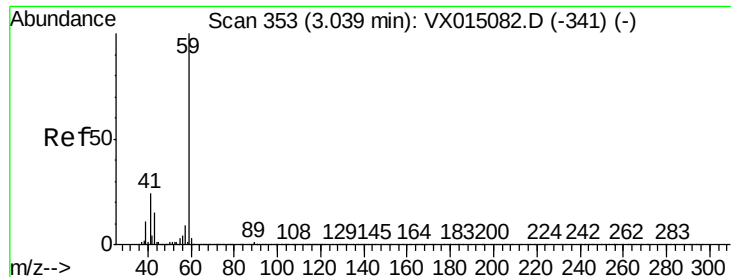
Delta R.T. 0.02 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	142	Resp:	2388
Ion Ratio	Lower	Upper	
142	100		
127	0.0	31.7	47.5#
141	8.7	11.3	16.9#





#11

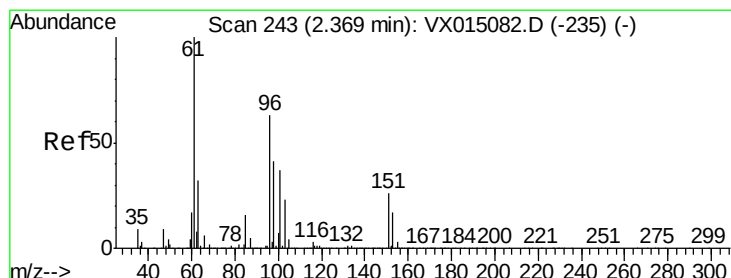
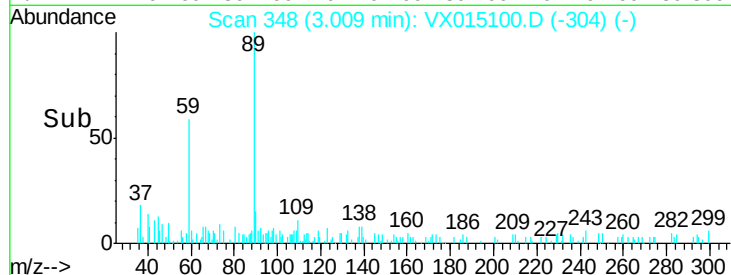
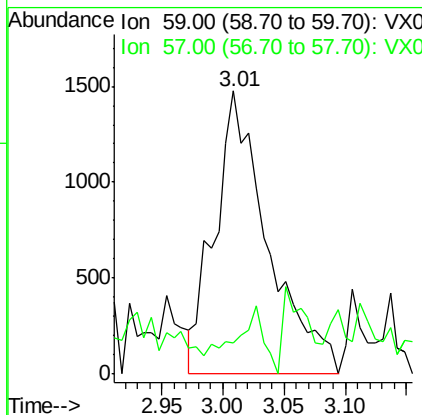
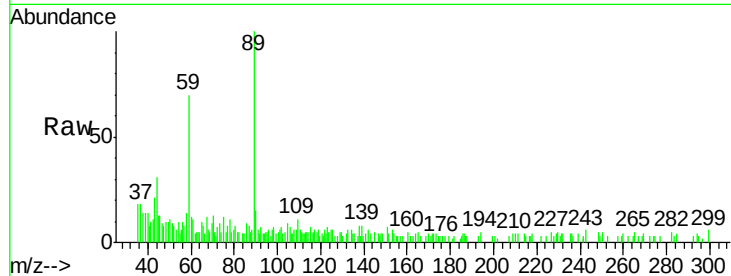
Tert butyl alcohol
Concen: 6.088 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.9	8.2	12.4#

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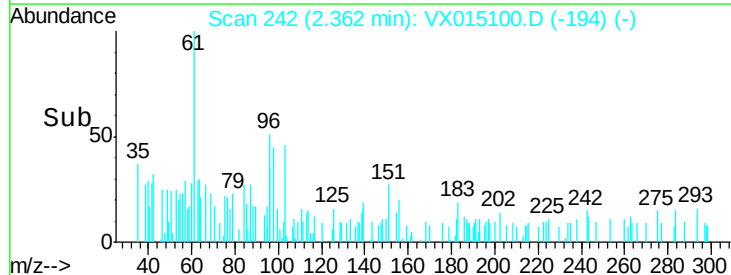
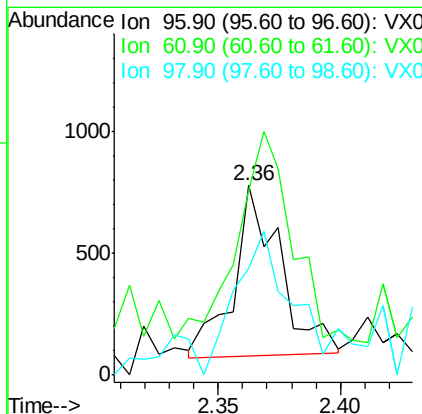
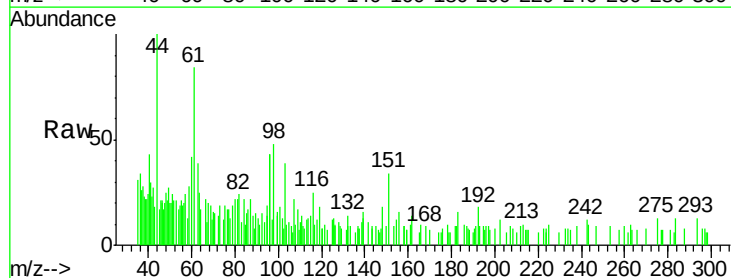
MMDadoda
3/6/2020 4:49:44 PM

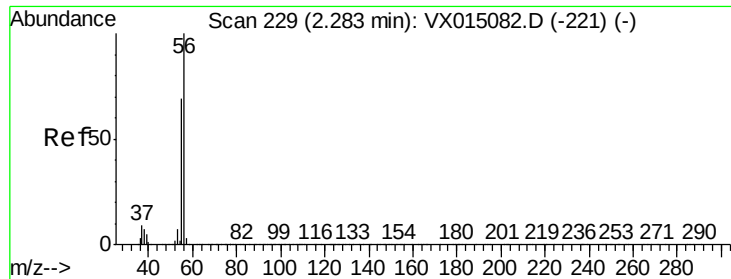


#12

1,1-Dichloroethene
Concen: 0.269 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	84.7	126.2	189.4#
98	42.2	51.4	77.0#





#13

Acrolein

Concen: 1.569 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

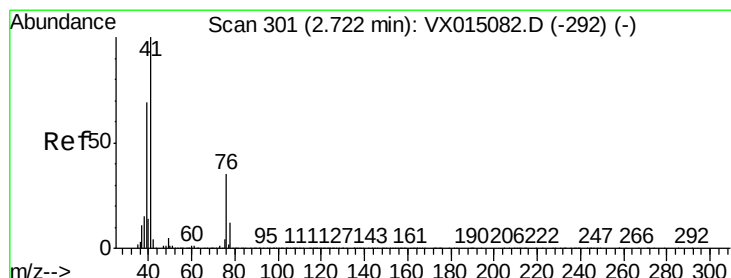
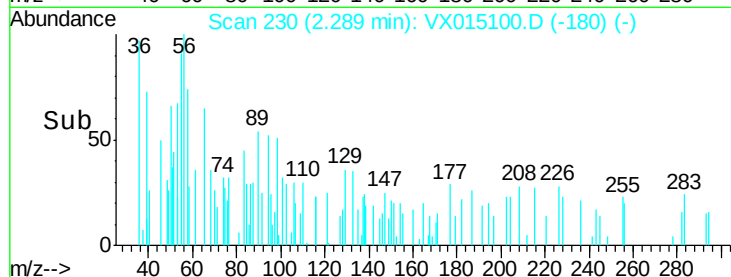
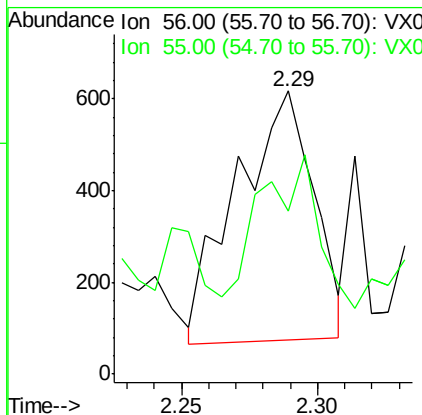
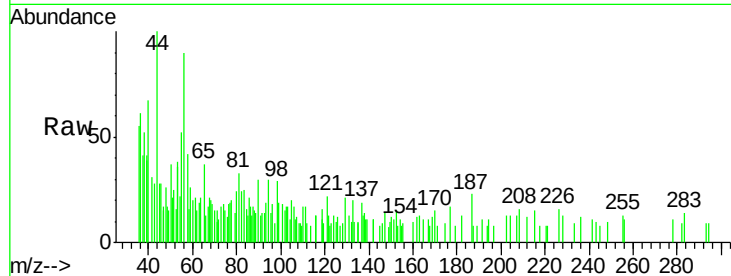
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	44.9	55.4	83.0#

Manual Integrations
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#14

Allyl chloride

Concen: 0.266 ug/l

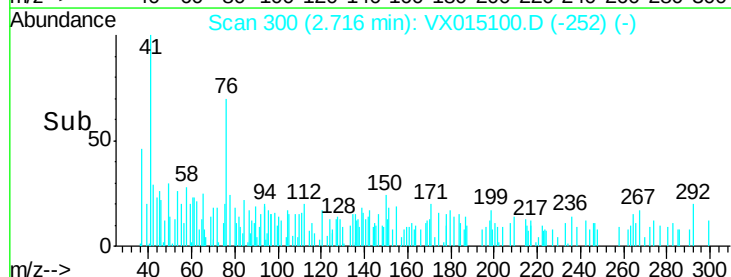
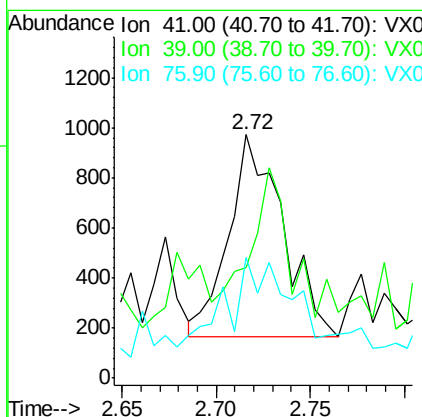
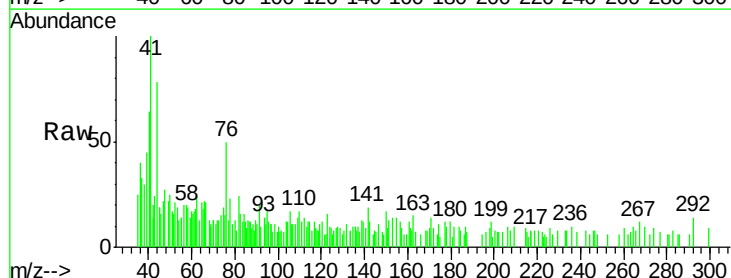
RT: 2.72 min Scan# 300

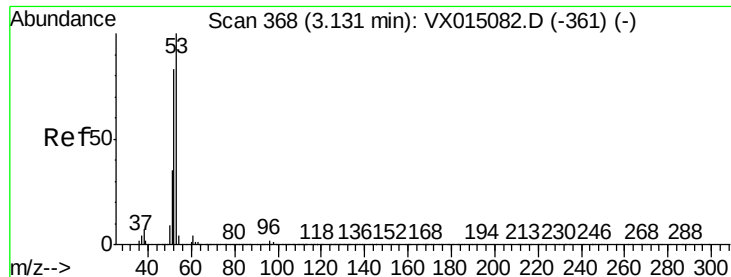
Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.0	52.9	79.3
76	49.4	26.8	40.2#





#15

Acrylonitrile

Concen: 1.216 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

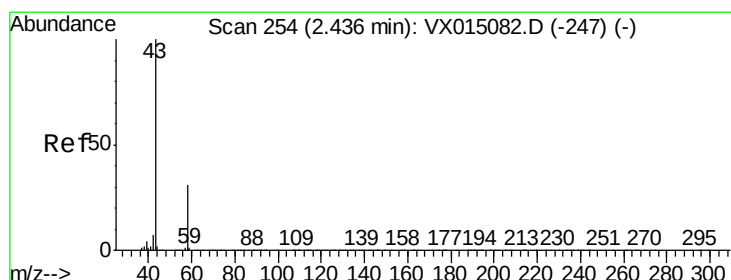
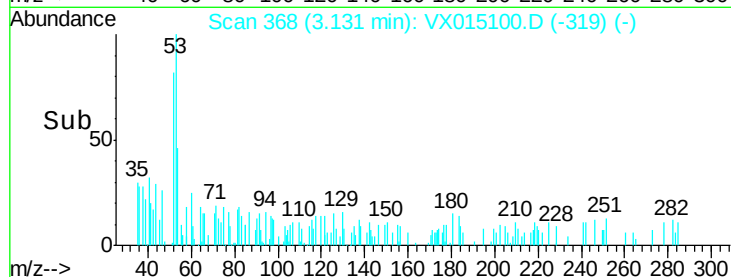
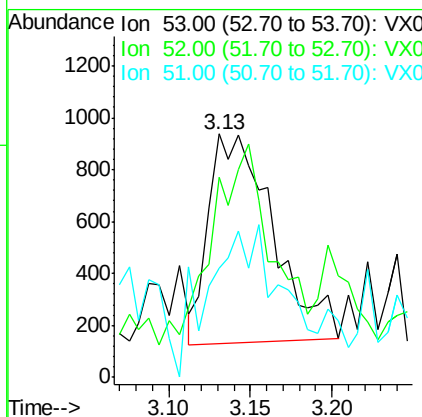
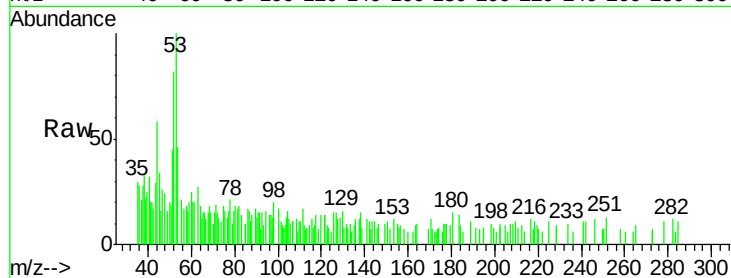
ClientSampleId :

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

Tot Ion:	53	Resp:	2209
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.6	100.0#
51	0.0	29.0	43.6#

Manual Integrations
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#16

Acetone

Concen: 2.172 ug/l

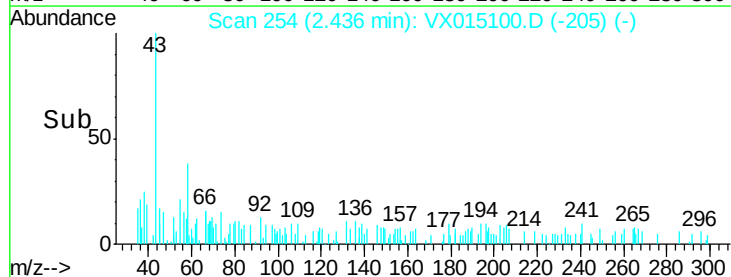
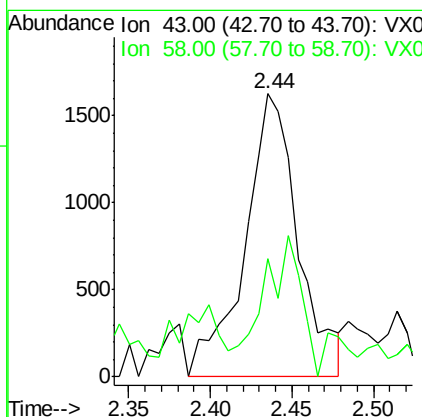
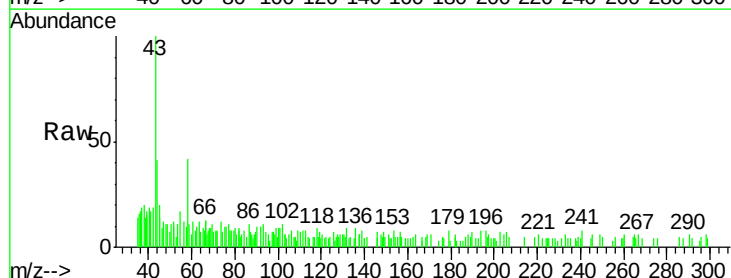
RT: 2.44 min Scan# 254

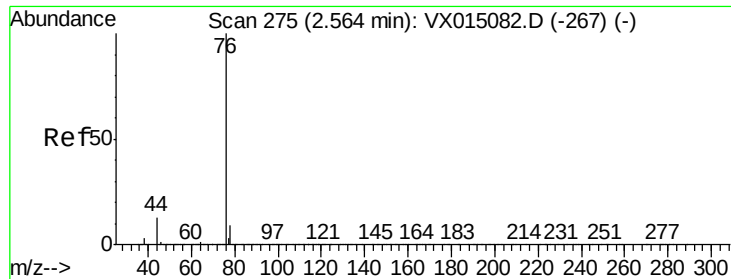
Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	43	Resp:	3699
Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.8	37.2





#17

Carbon Disulfide

Concen: 0.525 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 76 Resp: 5026

Ion Ratio Lower Upper

76 100

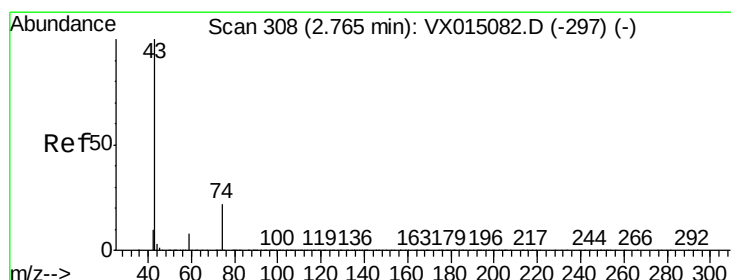
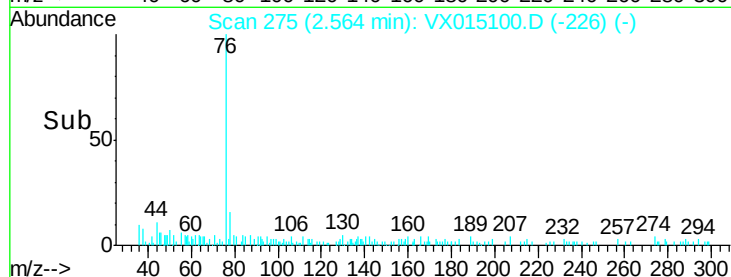
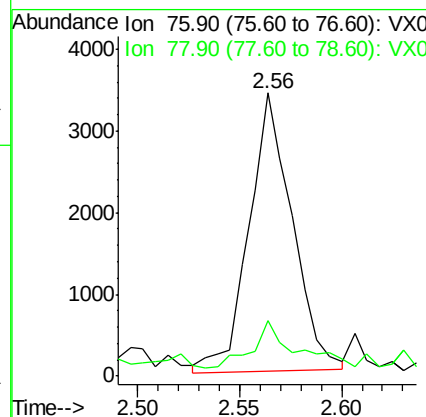
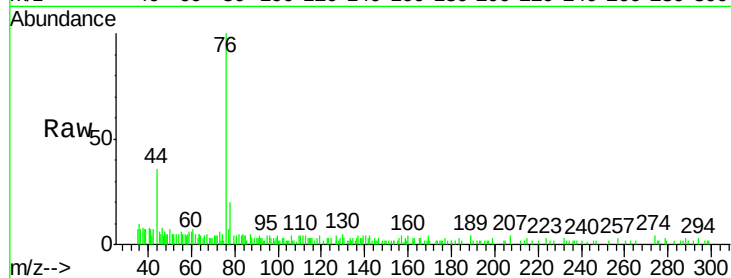
78 16.7 7.3 10.9#

Manual Integrations

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#18

Methyl Acetate

Concen: 0.401 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX015100.D

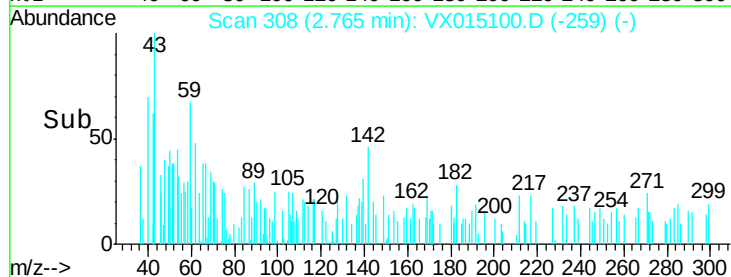
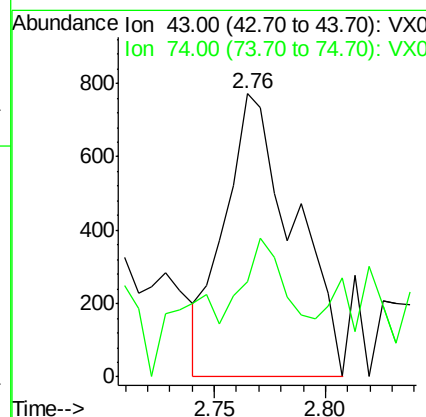
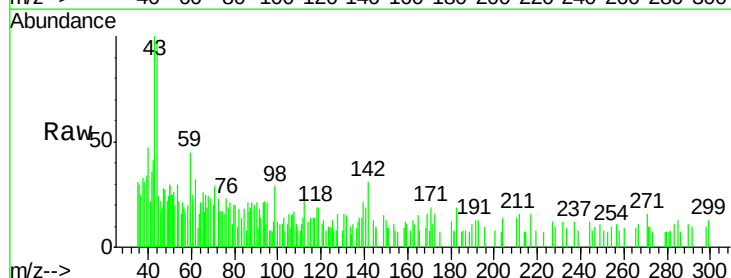
Acq: 05 Mar 2020 10:40

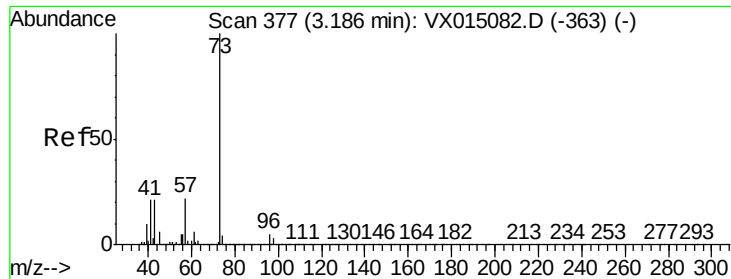
Tgt Ion: 43 Resp: 1668

Ion Ratio Lower Upper

43 100

74 22.4 18.8 28.2





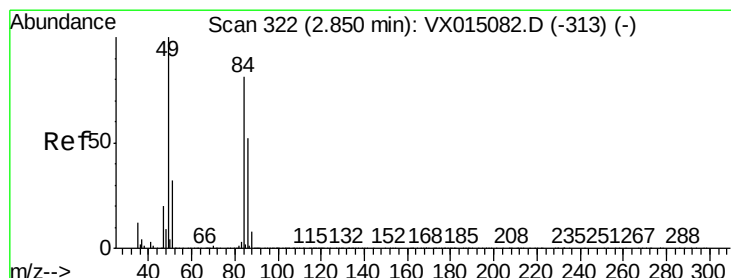
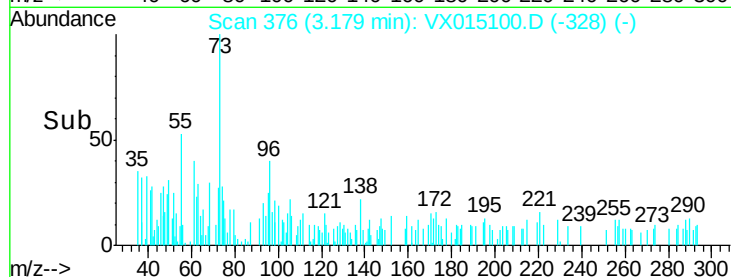
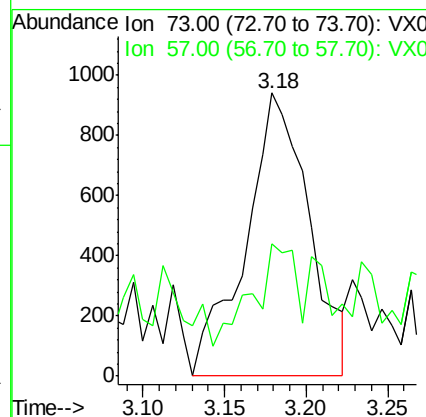
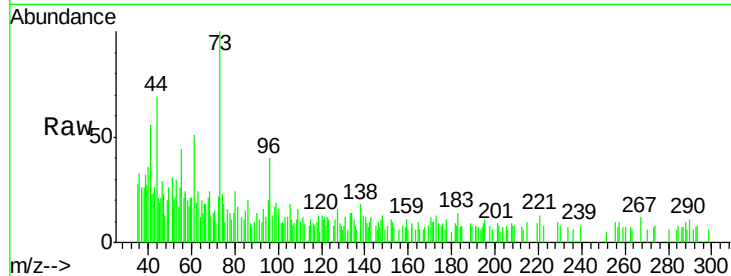
#19
Methyl tert-butyl Ether
Concen: 0.237 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	32.8	17.8	26.6#

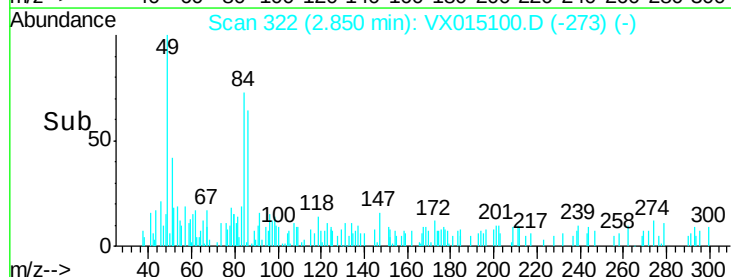
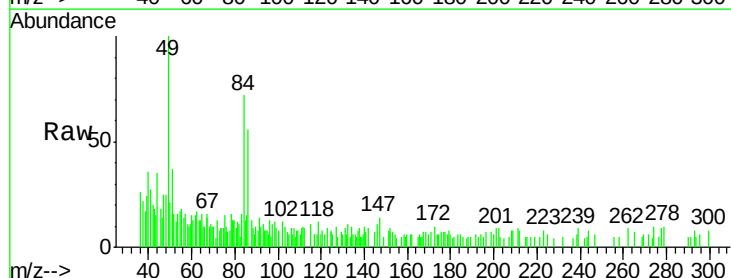
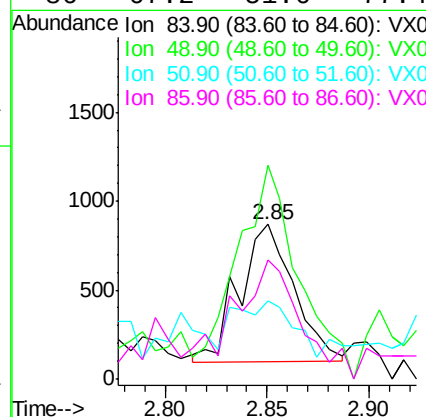
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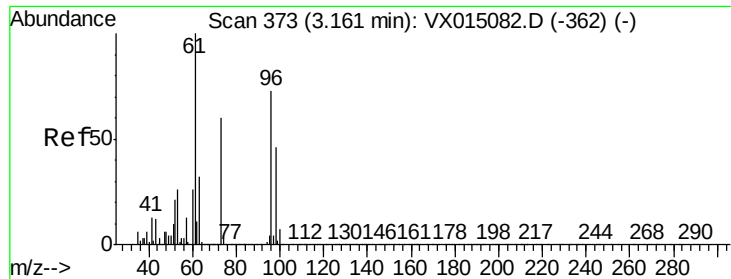
MMDadoda
3/6/2020 4:49:44 PM



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.7	99.4	149.2
51	34.6	31.5	47.3
86	67.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 0.396 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

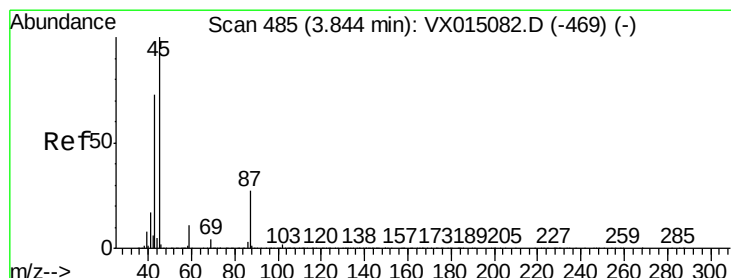
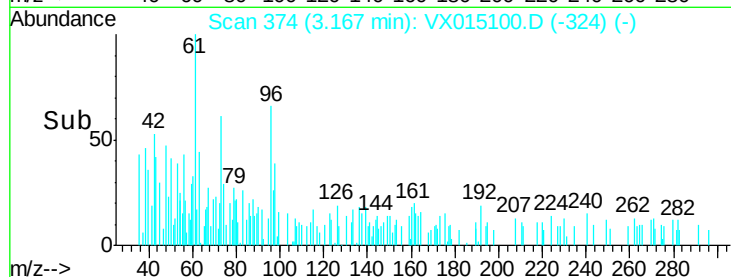
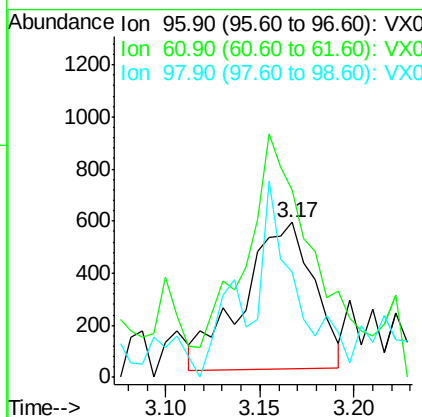
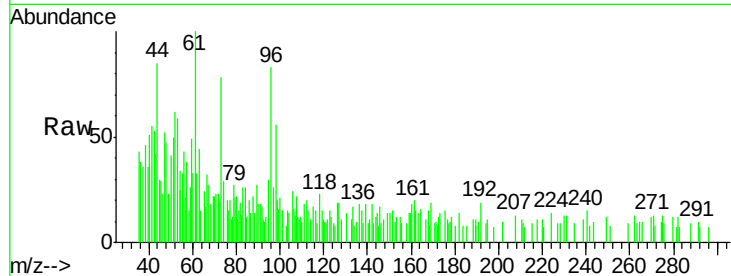
ClientSampleId :

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

Tot Ion:	96	Resp:	1455
Ion	Ratio	Lower	Upper
96	100		
61	127.2	109.9	164.9
98	68.5	50.2	75.2

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#22

Diisopropyl ether

Concen: 0.206 ug/l

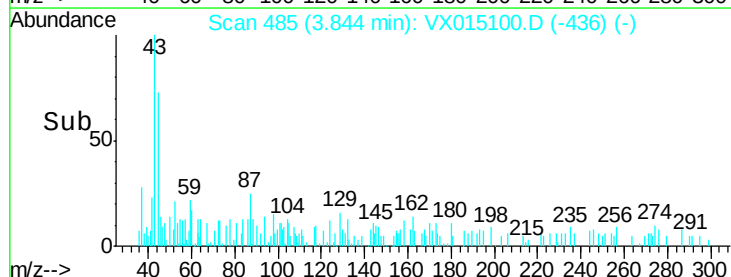
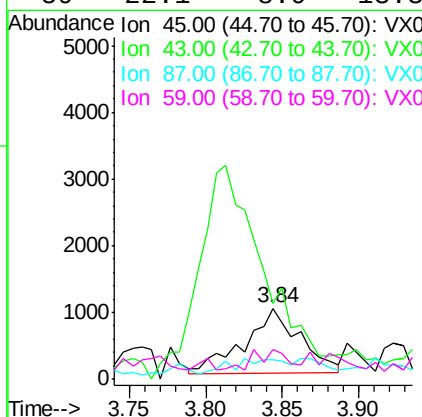
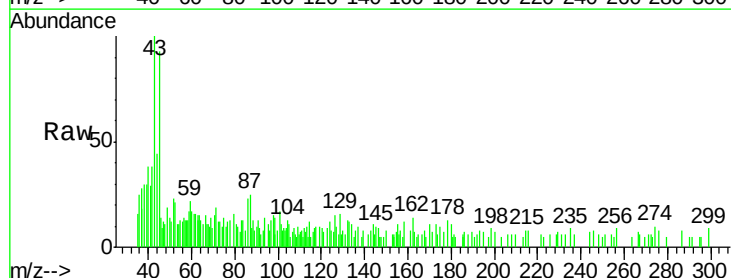
RT: 3.84 min Scan# 485

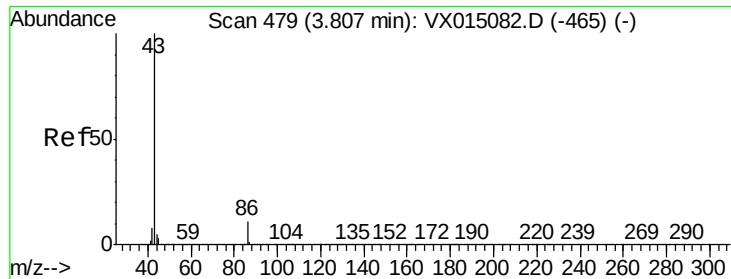
Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	45	Resp:	2470
Ion	Ratio	Lower	Upper
45	100		
43	83.5	58.2	87.2
87	15.6	21.2	31.8#
59	22.1	8.9	13.3#





#23

Vinyl Acetate

Concen: 0.982 ug/l

RT: 3.81 min Scan# 480

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

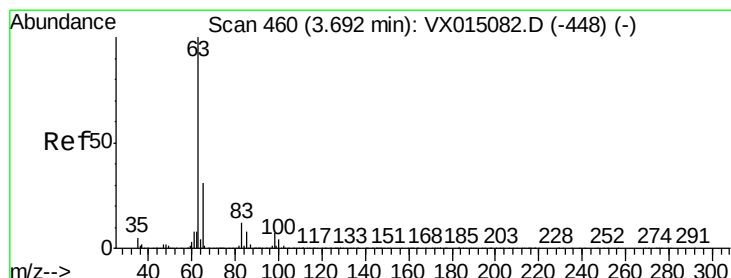
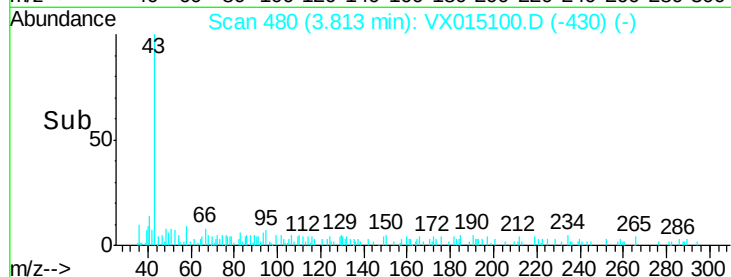
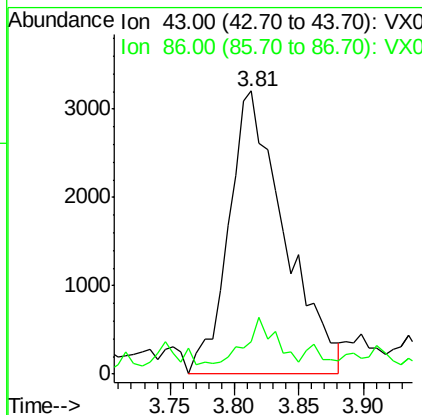
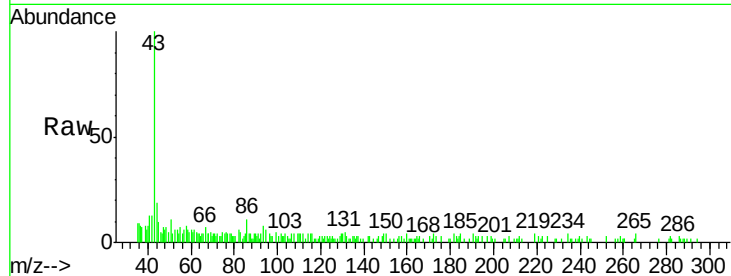
ClientSampleId :

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

Tot Ion	43	Resp	9655
Ion	Ratio	Lower	Upper
43	100		
86	6.8	8.6	12.8#

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#24

1,1-Dichloroethane

Concen: 0.204 ug/l

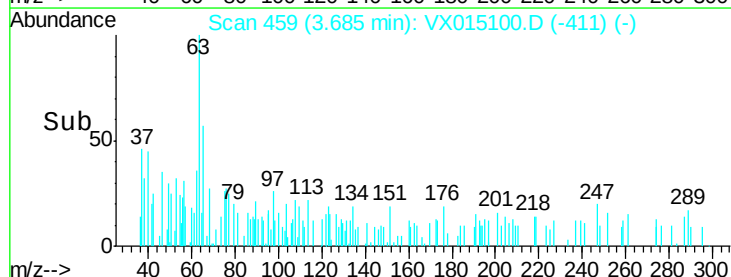
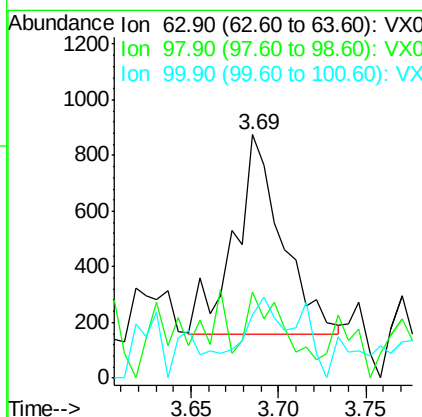
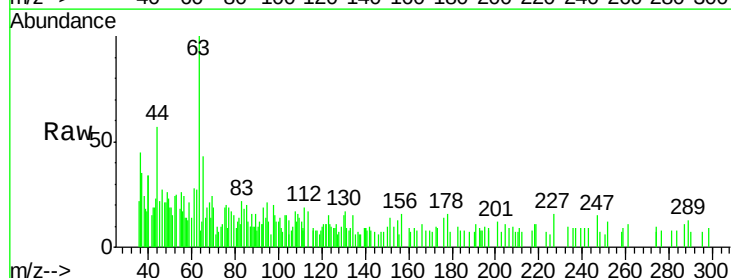
RT: 3.69 min Scan# 459

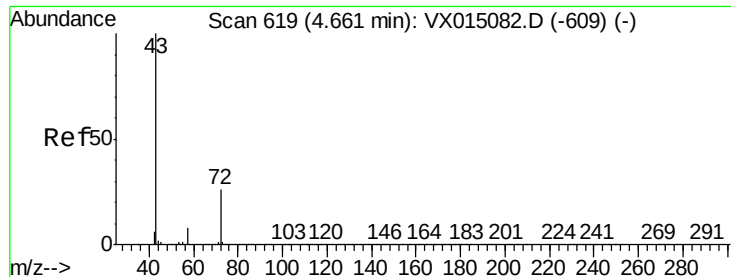
Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion	63	Resp	1358
Ion	Ratio	Lower	Upper
63	100		
98	26.5	3.7	11.1#
100	10.8	2.1	6.5#





#25

2-Butanone

Concen: 1.155 ug/l m

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 43 Resp: 2880

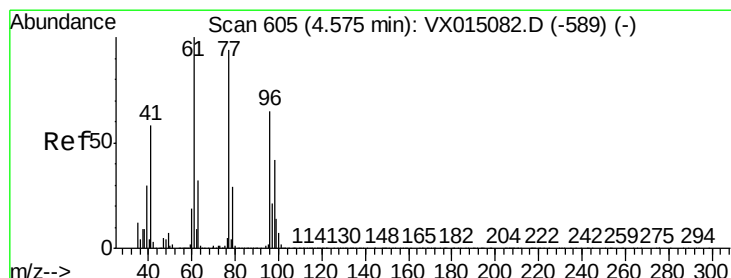
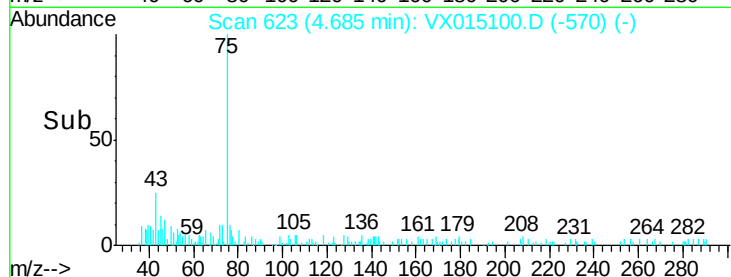
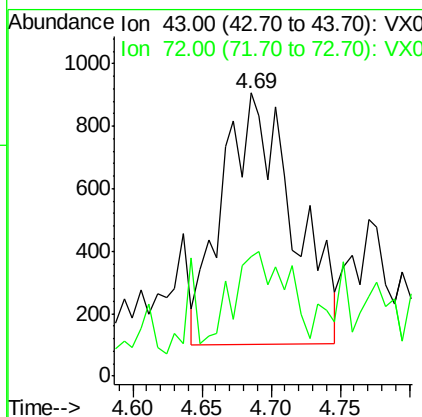
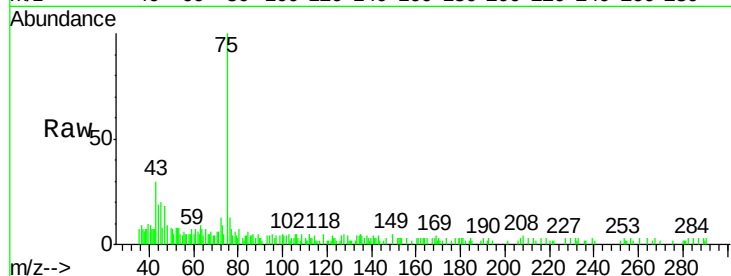
Ion Ratio Lower Upper

43 100

72 42.1 20.6 30.8#

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#26

2,2-Dichloropropane

Concen: 0.210 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.01 min

Lab File: VX015100.D

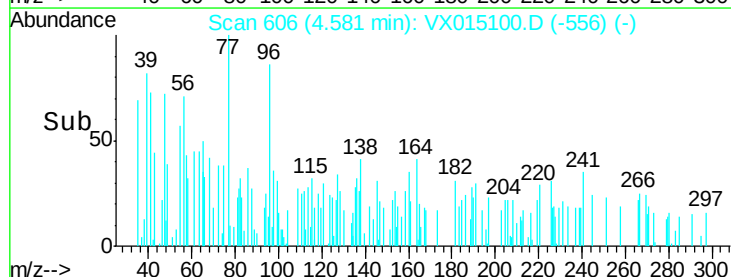
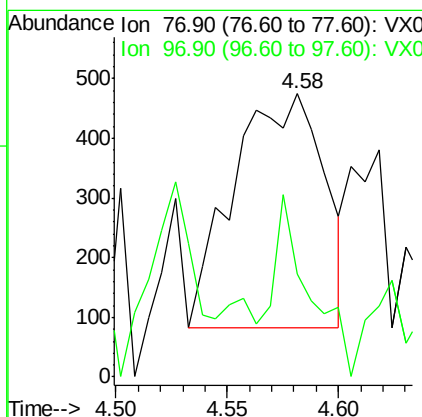
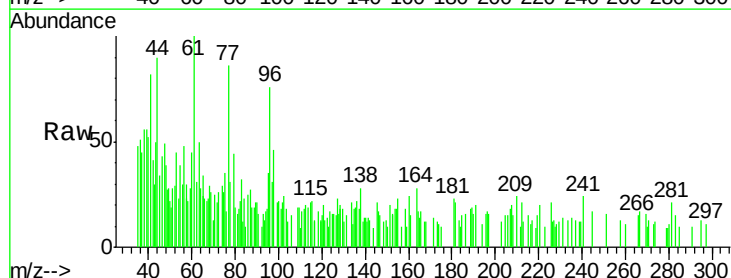
Acq: 05 Mar 2020 10:40

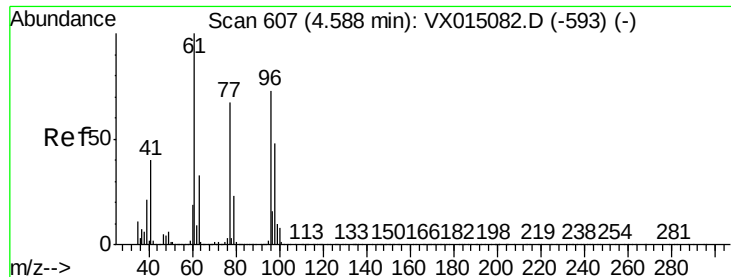
Tgt Ion: 77 Resp: 1108

Ion Ratio Lower Upper

77 100

97 31.4 11.8 35.4





#27

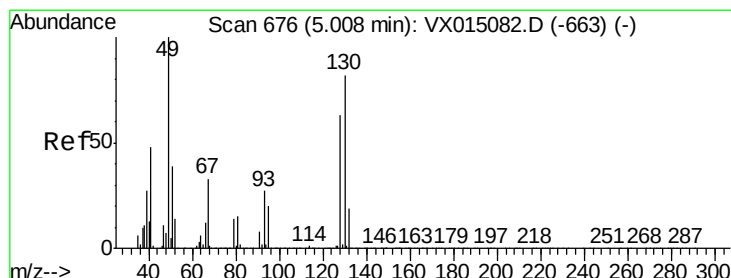
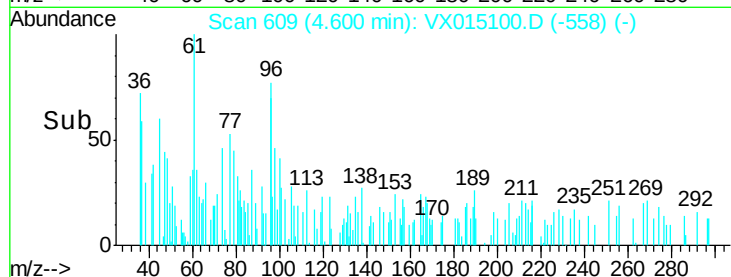
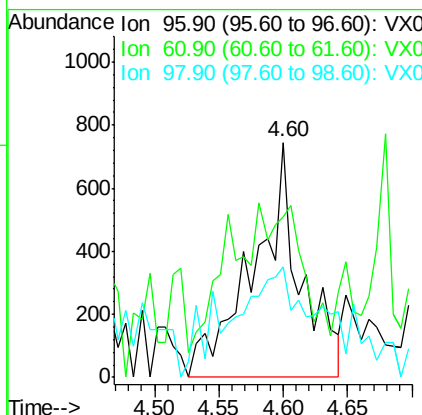
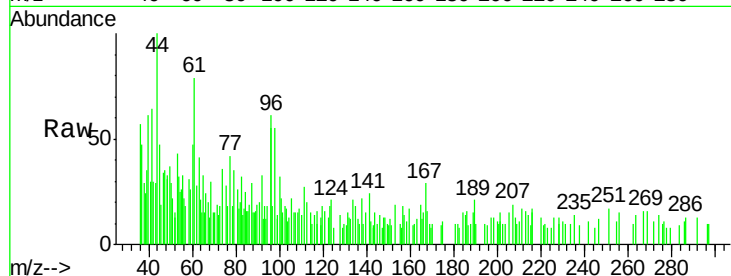
cis-1,2-Dichloroethene
Concen: 0.458 ug/l
RT: 4.60 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	48.1	0.0	286.8
98	27.0	0.0	128.4

Manual Integrations
APPROVED

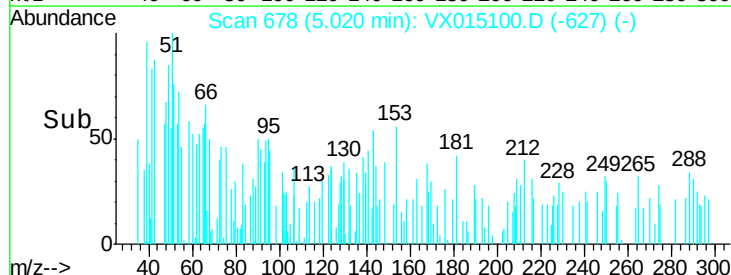
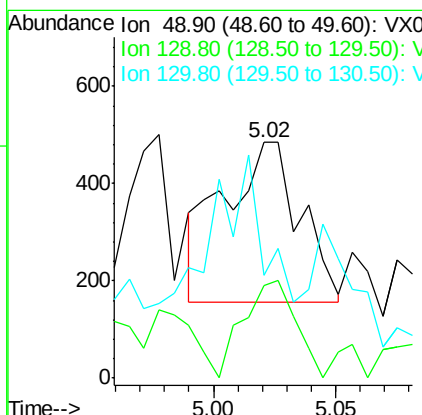
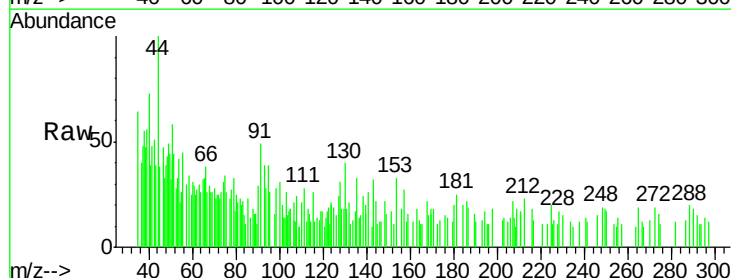
MMDadoda
3/6/2020 4:49:44 PM

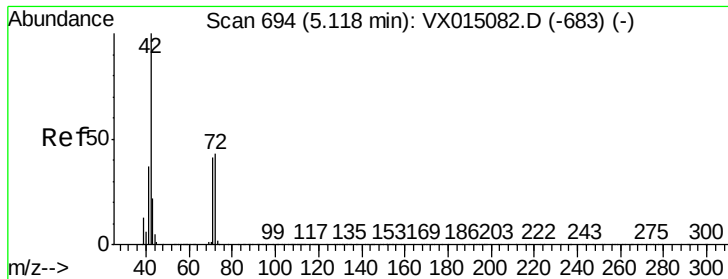


#28

Bromochloromethane
Concen: 0.237 ug/l
RT: 5.02 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	41.6	0.0	4.4#
130	111.7	65.0	97.6#





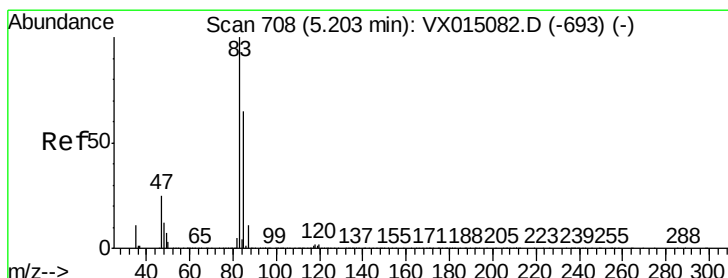
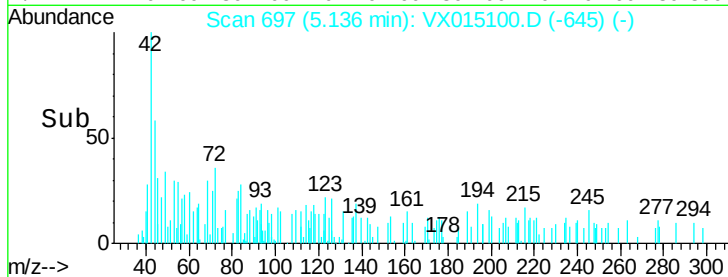
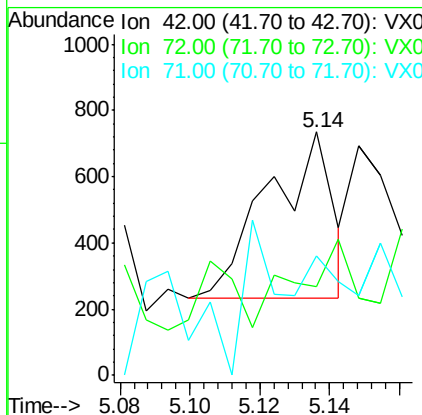
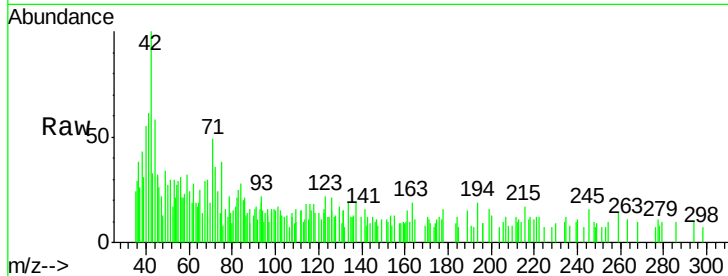
#29
Tetrahydrofuran
Concen: 0.400 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	36.4	54.6
71	0.0	33.3	49.9

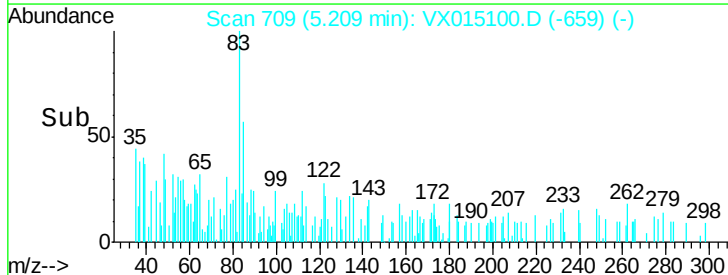
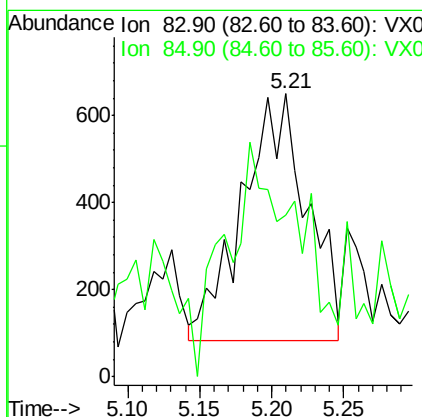
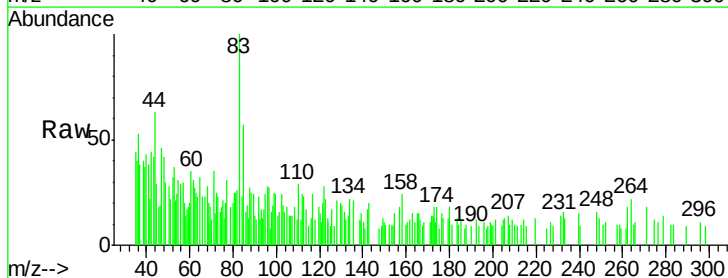
Manual Integrations
APPROVED

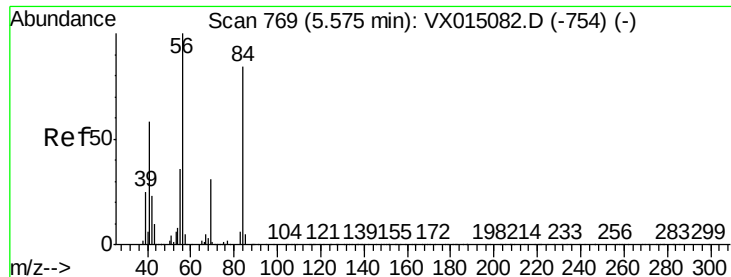
MMDadoda
3/6/2020 4:49:44 PM



#30
Chloroform
Concen: 0.272 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	35.6	52.0	78.0





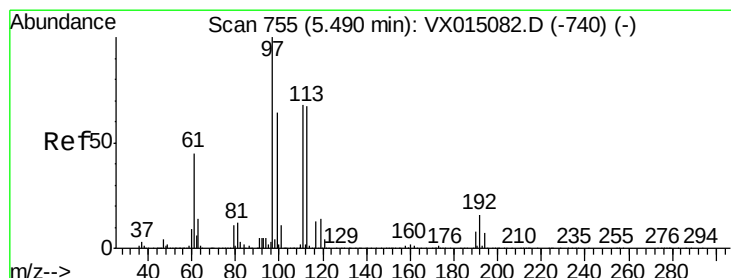
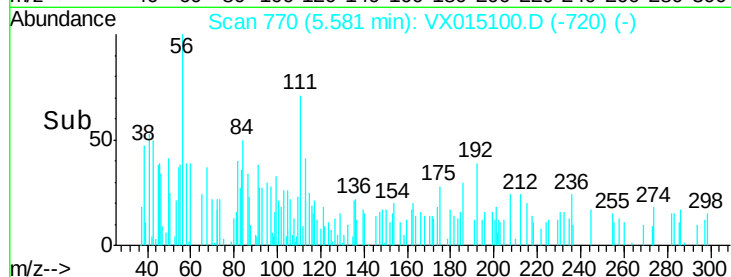
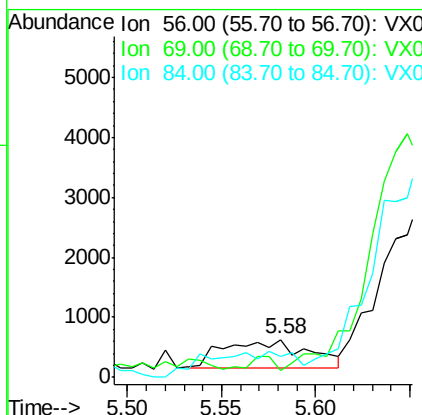
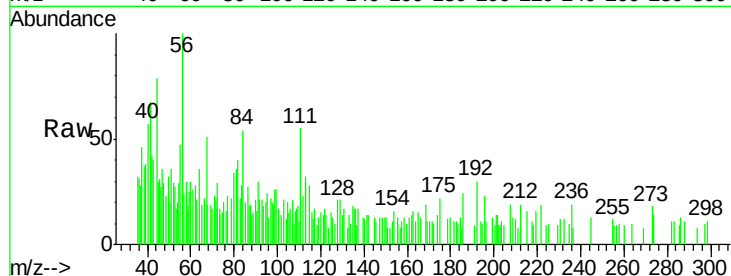
#31
Cyclohexane
Concen: 0.242 ug/l
RT: 5.58 min Scan# 770
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.0	37.6#
84	44.9	67.6	101.4#

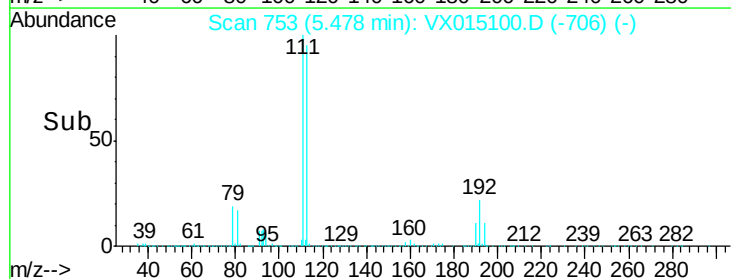
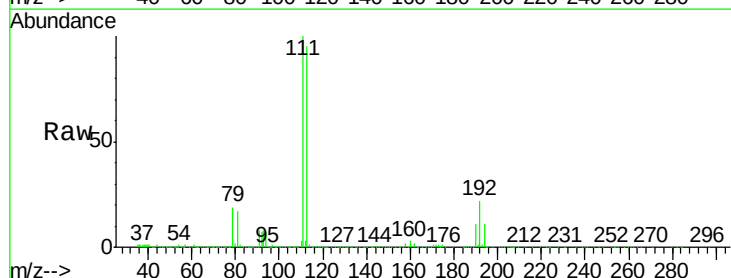
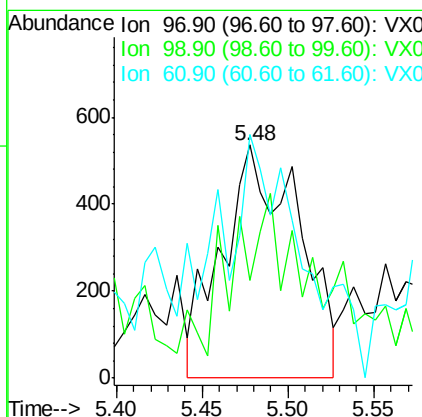
Manual Integrations
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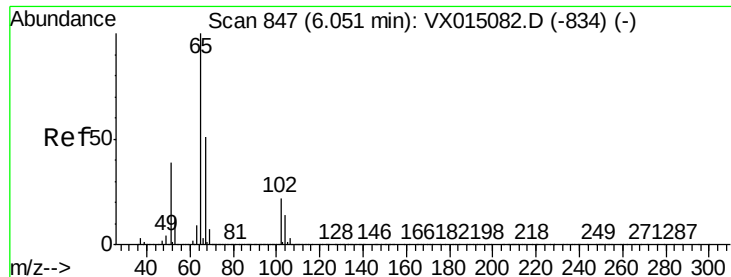
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3/6/2020 4:49:44 PM



#32
1,1,1-Trichloroethane
Concen: 0.312 ug/l m
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.8	79.2#
61	44.9	36.6	54.8





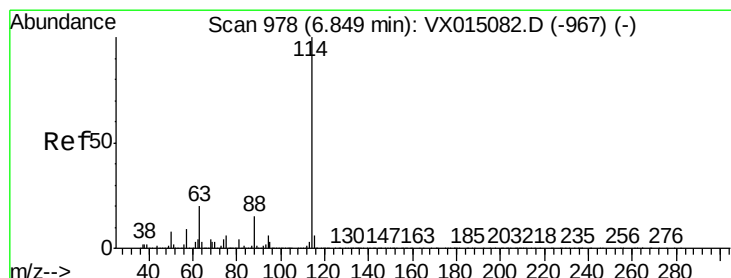
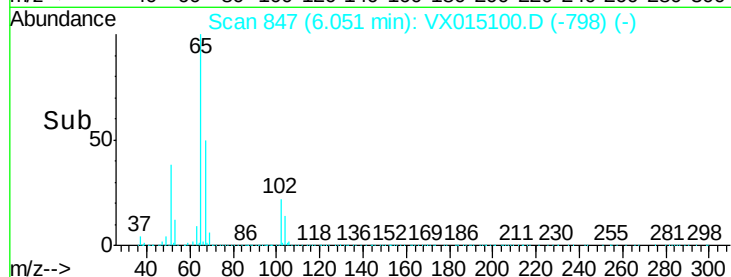
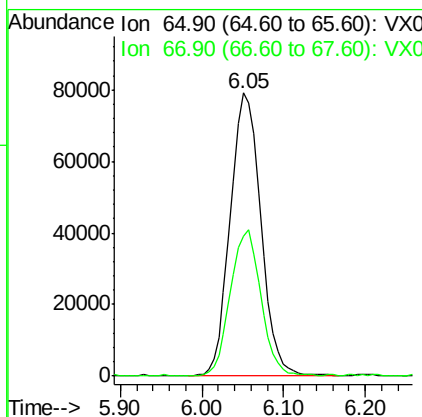
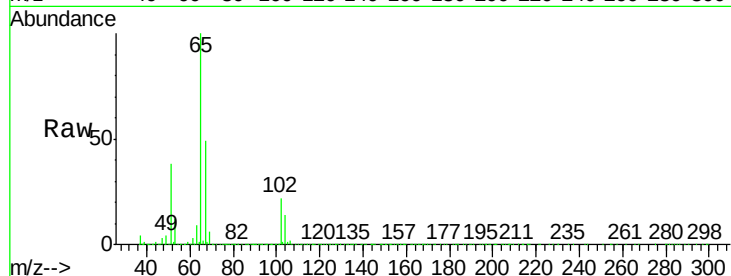
#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205314		
67	51.3	0.0	105.6	

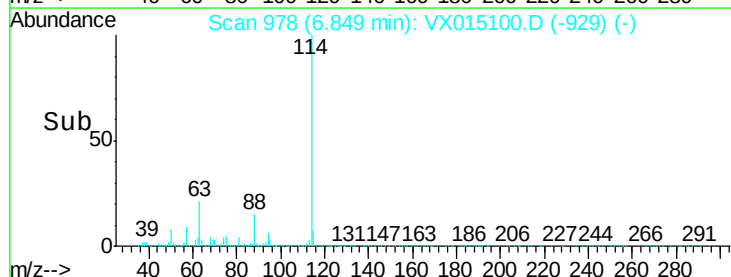
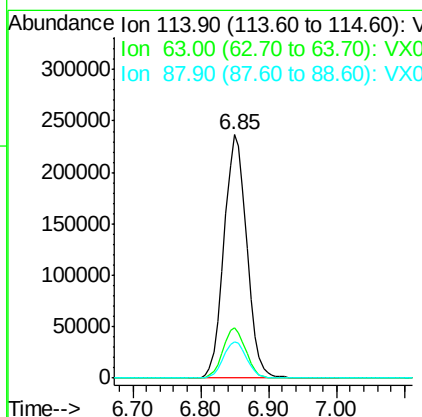
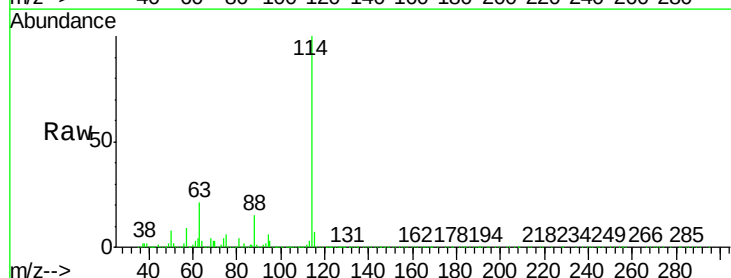
Manual Integrations
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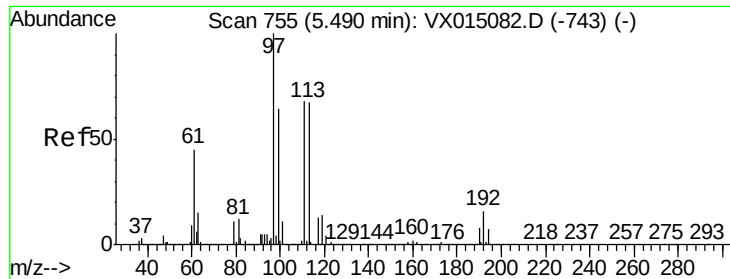
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	550574		
63	20.5	0.0	40.0	
88	15.1	0.0	30.6	





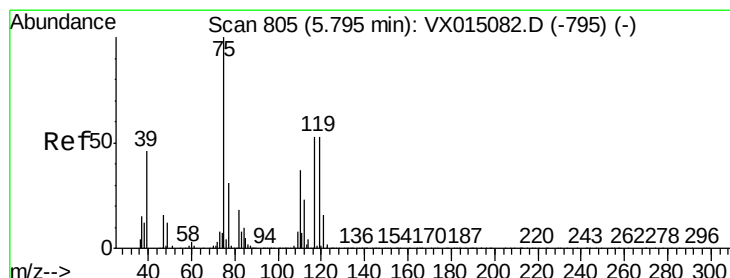
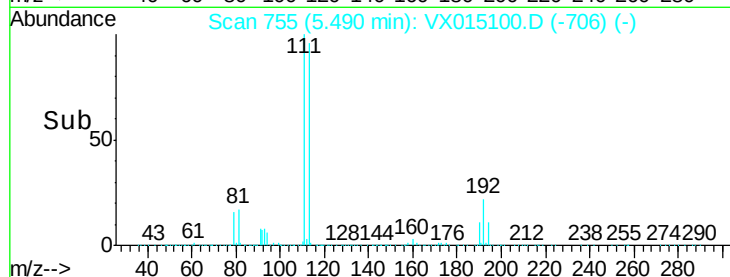
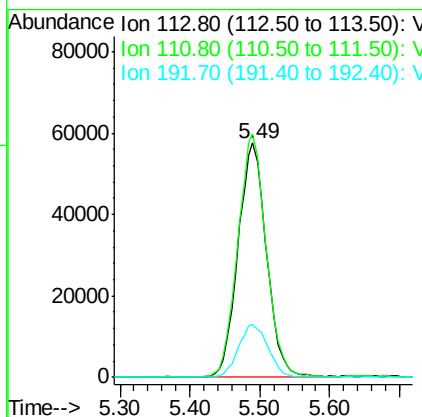
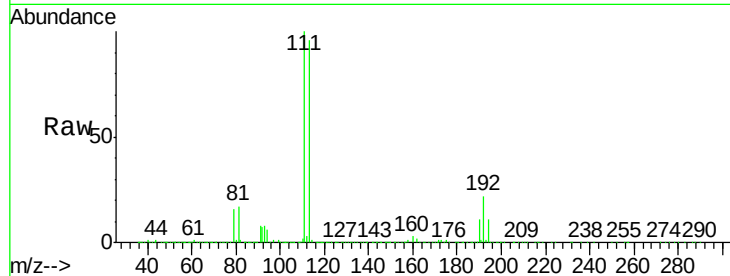
#35
 Dibromofluoromethane
 Concen: 46.664 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162084		
111	104.1	82.6	123.8	
192	23.8	18.6	28.0	

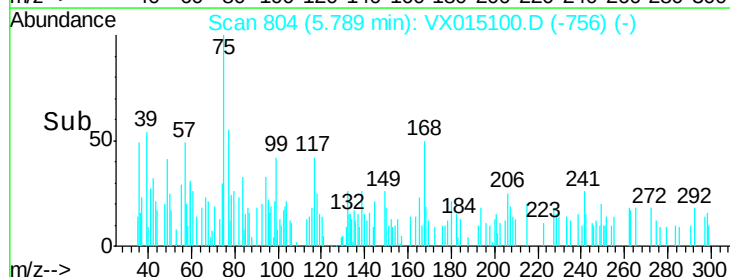
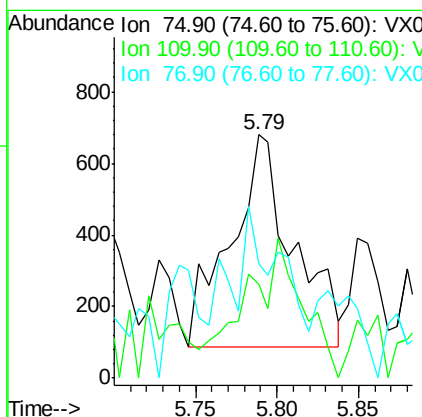
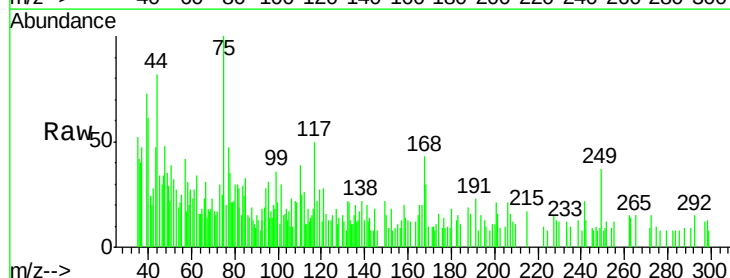
Manual Integrations
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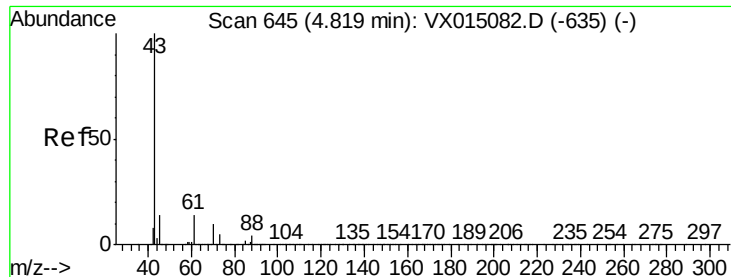
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 3/6/2020 4:49:44 PM



#36
 1,1-Dichloropropene
 Concen: 0.310 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1580		
110	60.9	17.9	53.8#	
77	27.9	24.8	37.2	





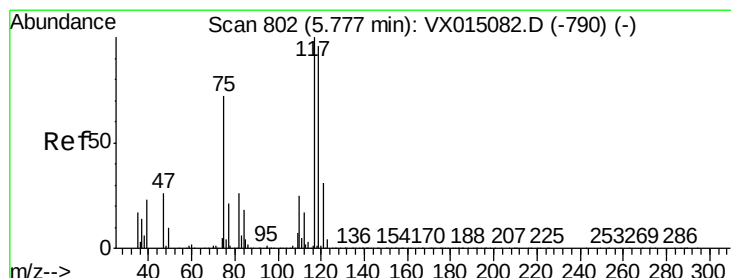
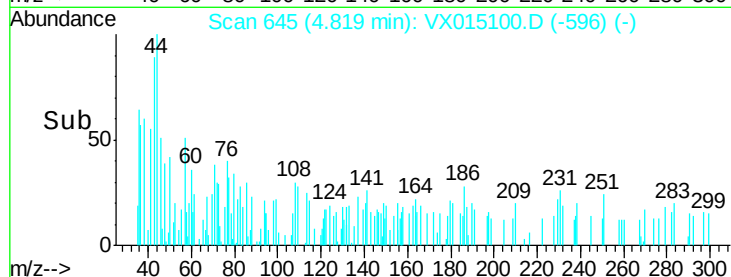
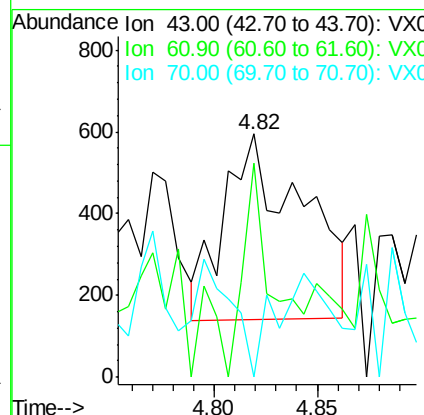
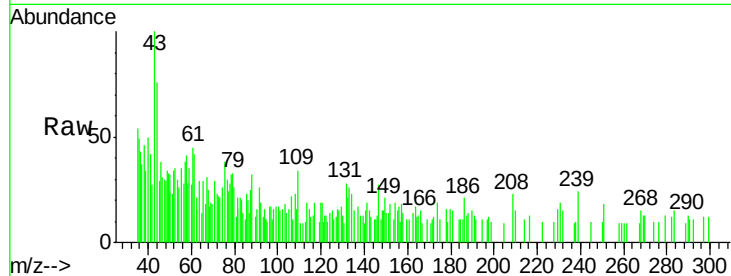
#37
Ethyl Acetate
Concen: 0.255 ug/l m
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	43	Resp:	1202
Ion	Ratio	Lower	Upper
43	100		
61	45.4	11.0	16.4#
70	0.0	8.1	12.1#

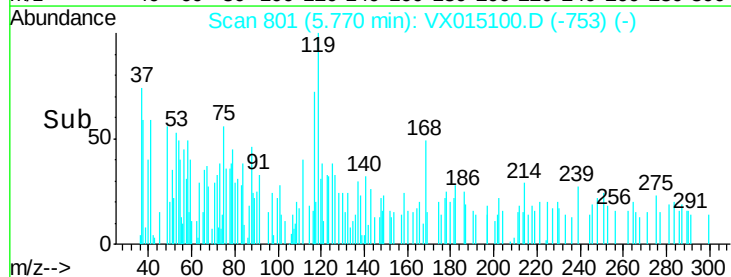
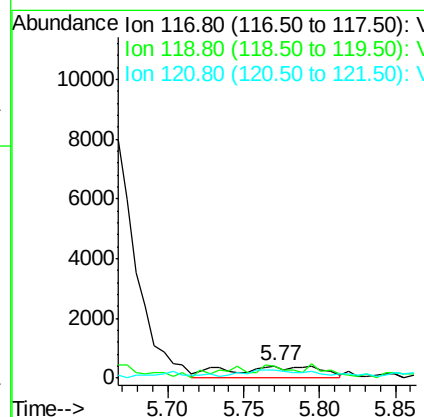
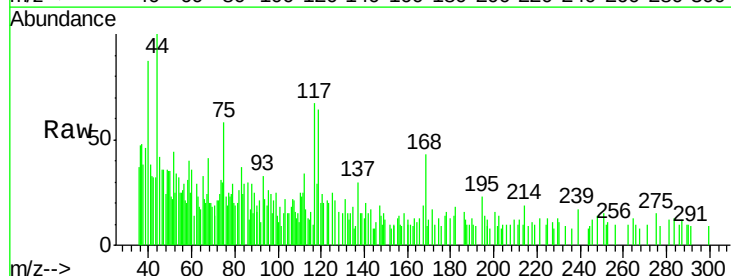
Manual Integrations
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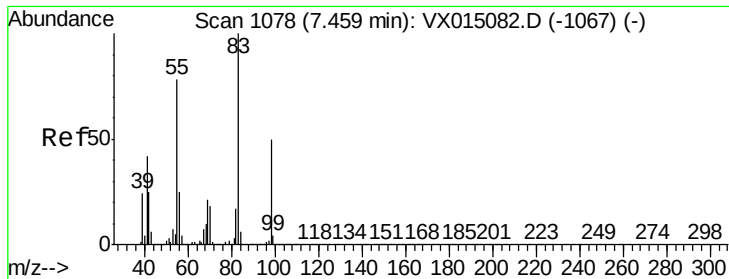
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3/6/2020 4:49:44 PM



#38
Carbon Tetrachloride
Concen: 0.352 ug/l m
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	117	Resp:	1691
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	36.3	24.6	37.0





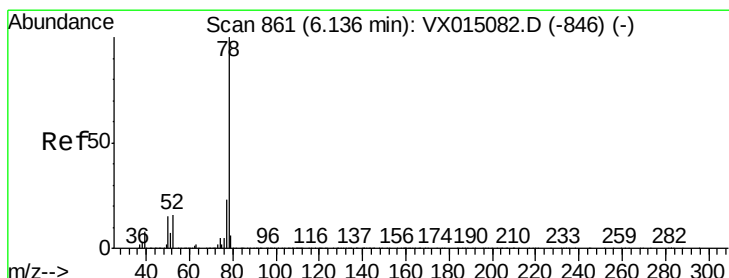
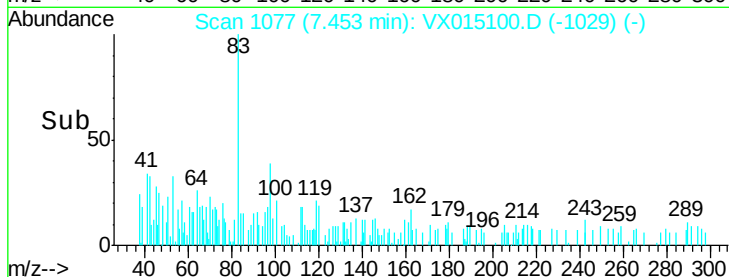
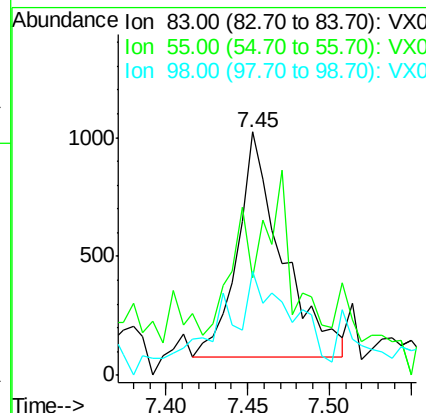
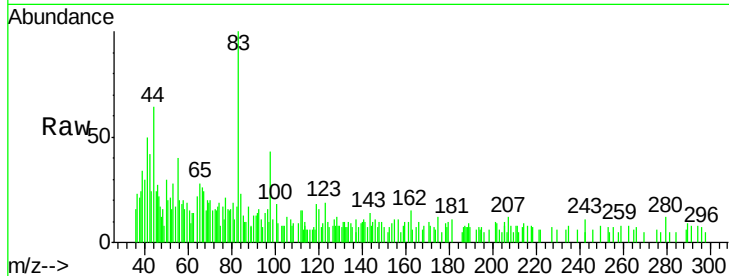
#39
Methylvlcyclohexane
Concen: 0.304 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	16.3	62.4	93.6#
98	29.9	39.7	59.5#

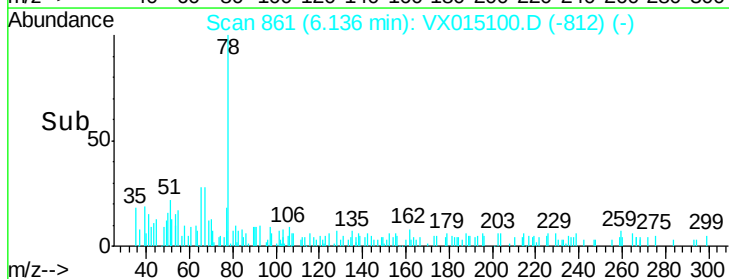
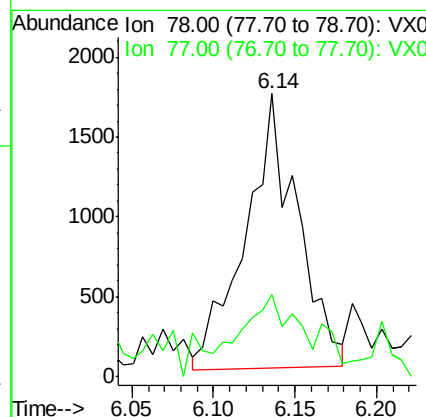
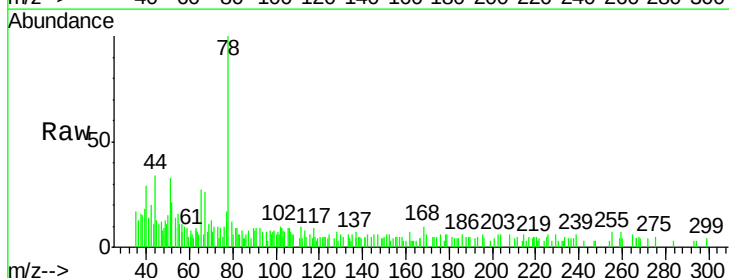
Manual Integrations
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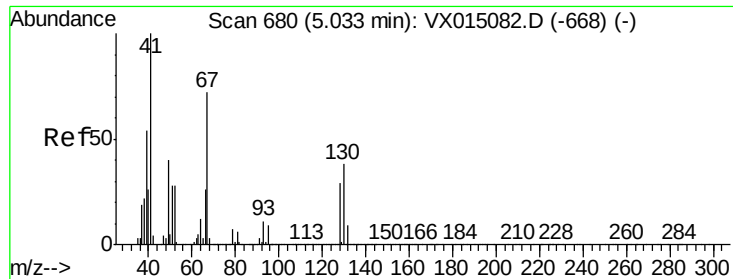
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#40
Benzene
Concen: 0.252 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.6	28.0





#41

Methacrylonitrile

Concen: 0.287 ug/l

RT: 5.01 min Scan# 677

Delta R.T. -0.02 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

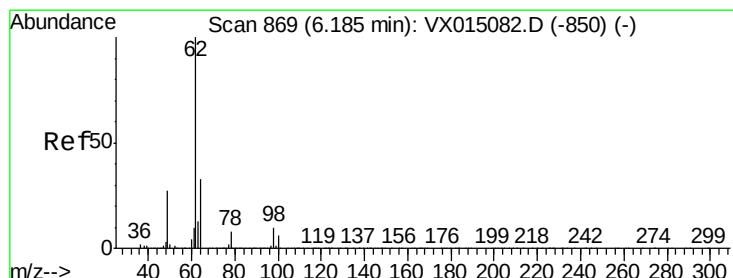
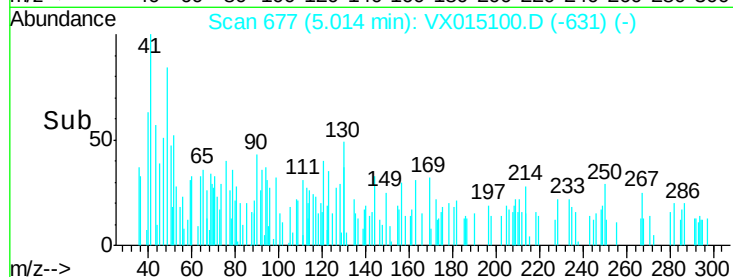
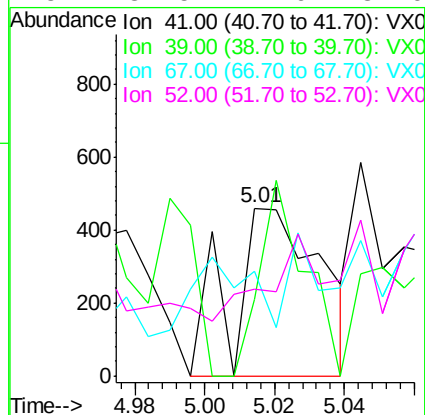
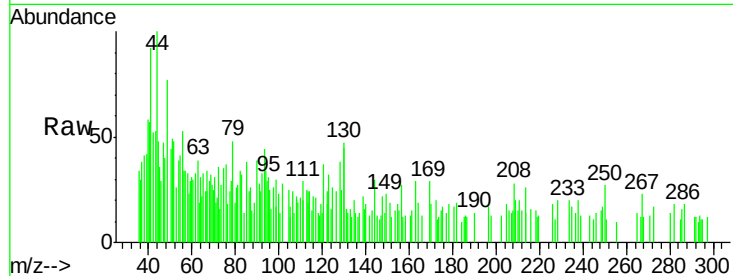
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.9	65.9
67	23.1	57.8	86.8#
52	31.5	22.6	34.0

Manual Integrations
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3/6/2020 4:49:44 PM



#42

1,2-Dichloroethane

Concen: 0.340 ug/l

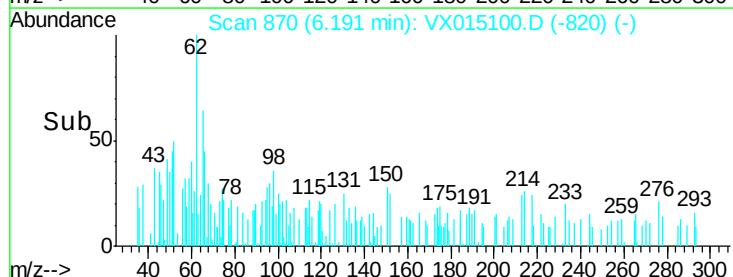
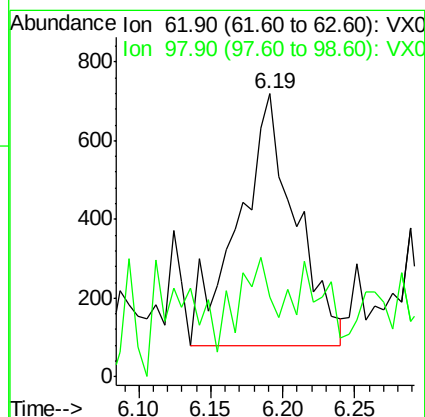
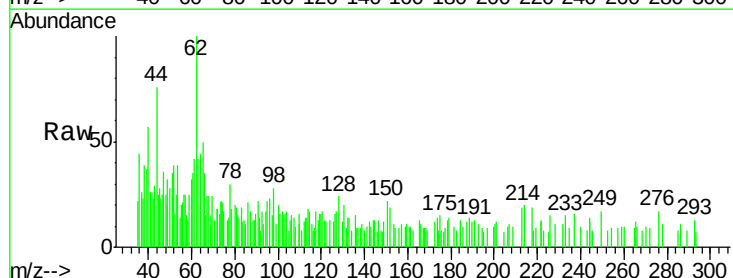
RT: 6.19 min Scan# 870

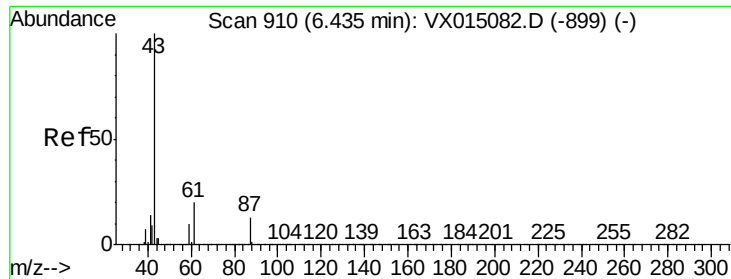
Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	21.7	0.0	20.6#





#43

Isopropyl Acetate

Concen: 0.280 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

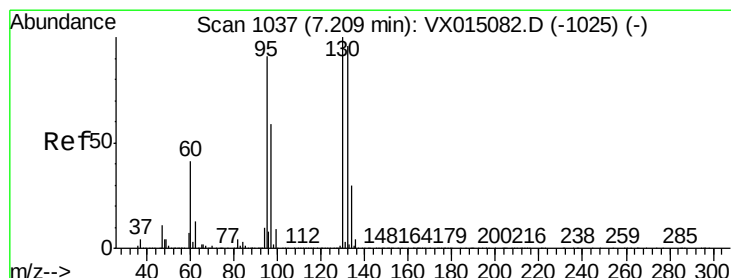
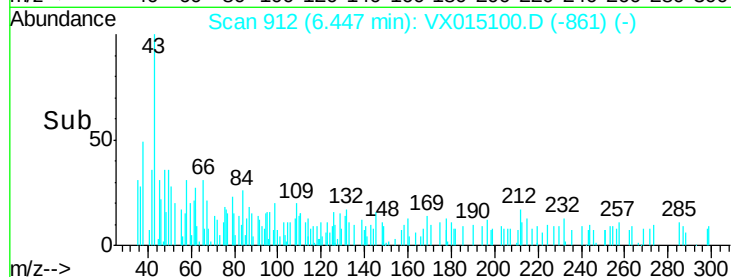
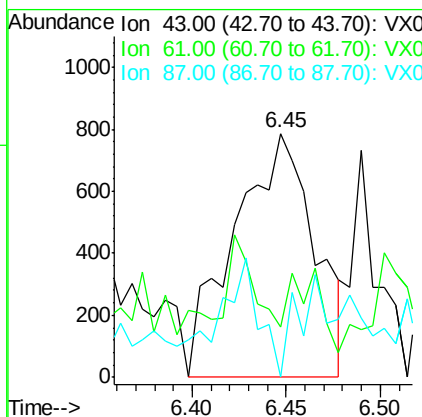
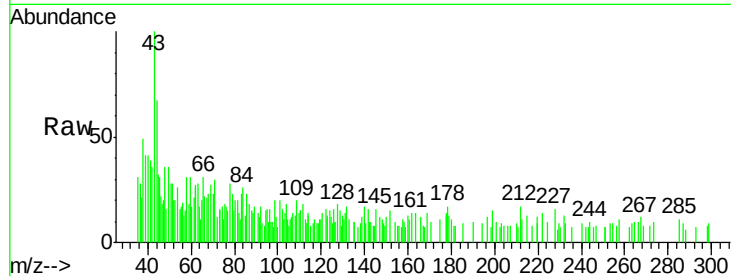
ClientSampleId :

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

Tot Ion:	43	Resp:	2328
Ion	Ratio	Lower	Upper
43	100		
61	12.3	16.1	24.1#
87	17.3	10.6	16.0#

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#44

Trichloroethene

Concen: 0.399 ug/l

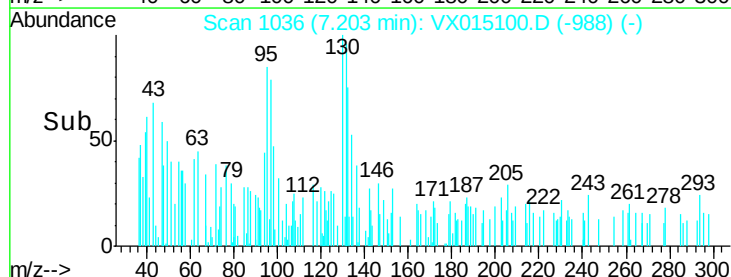
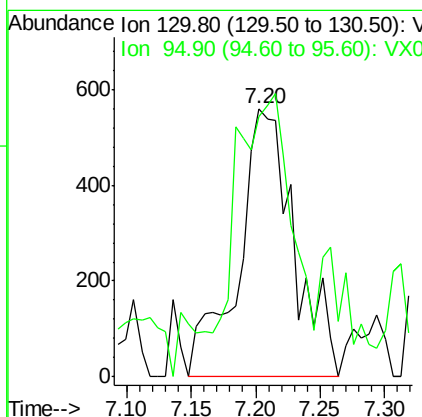
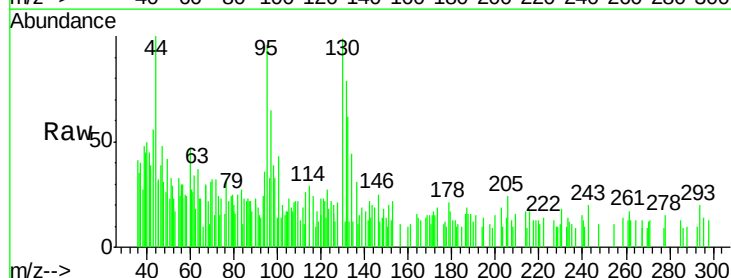
RT: 7.20 min Scan# 1036

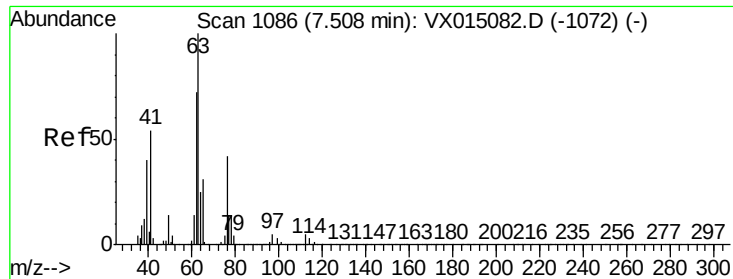
Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	130	Resp:	1680
Ion	Ratio	Lower	Upper
130	100		
95	77.5	0.0	181.2





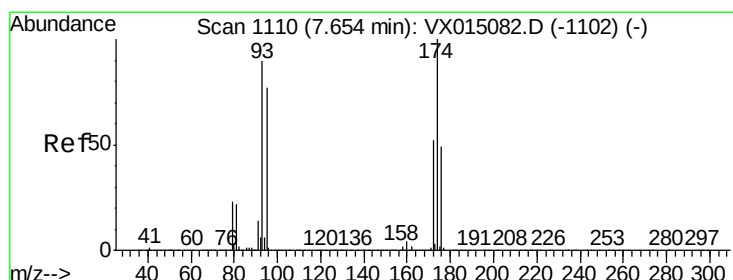
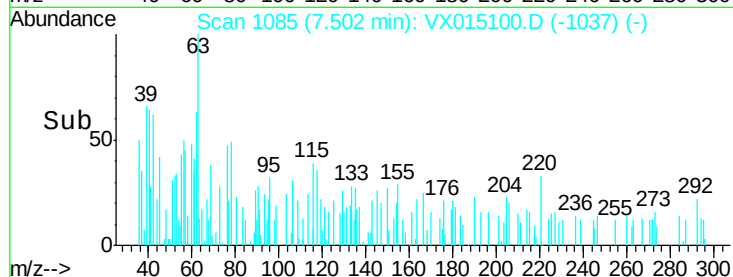
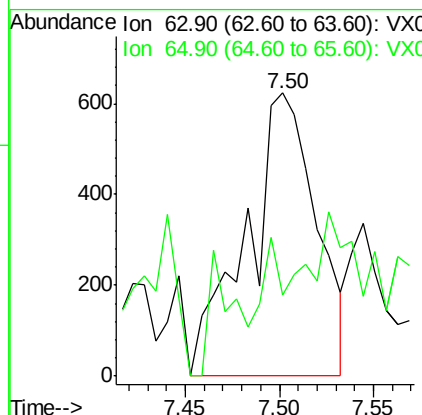
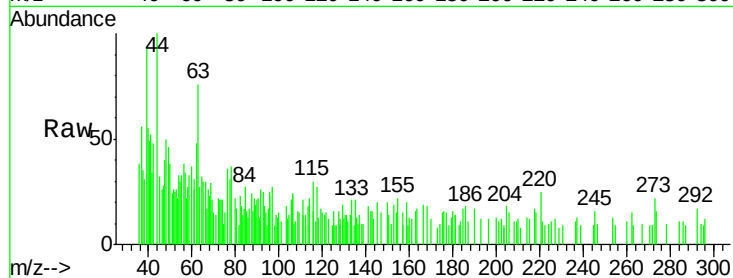
#45
 1,2-Dichloropropane
 Concen: 0.406 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	36.8#

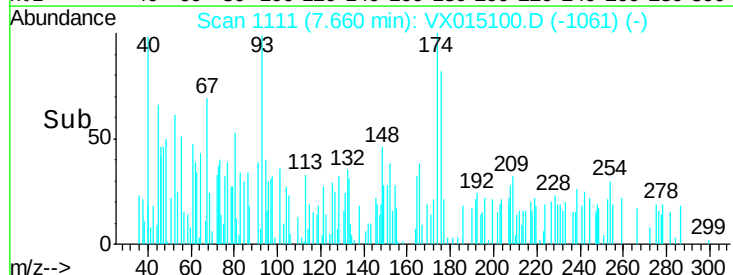
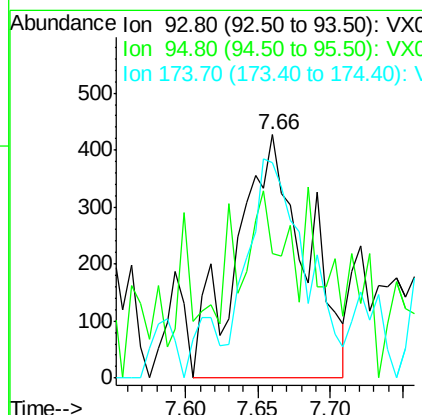
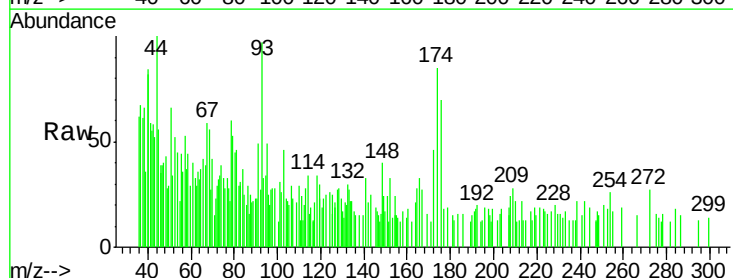
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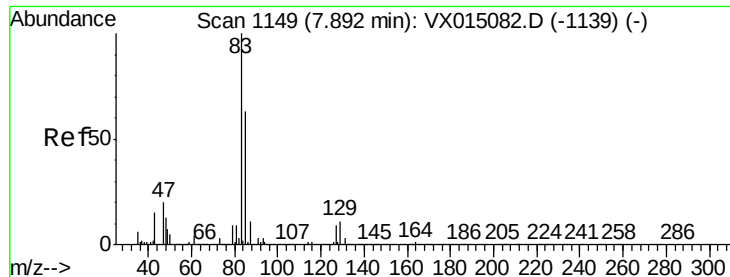
MMDadoda
 3/6/2020 4:49:44 PM



#46
 Dibromomethane
 Concen: 0.556 ug/l m
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	11.7	67.8	101.8#
174	11.9	91.0	136.4#





#47

Bromodichloromethane

Concen: 0.340 ug/l m

RT: 7.90 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

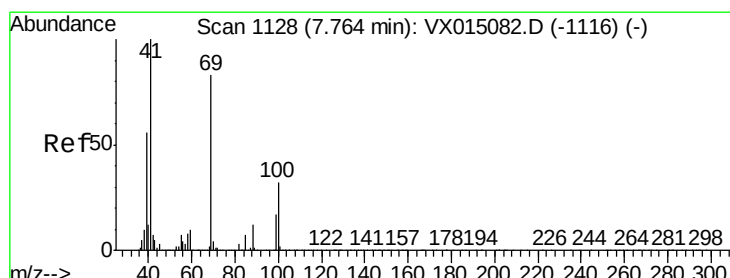
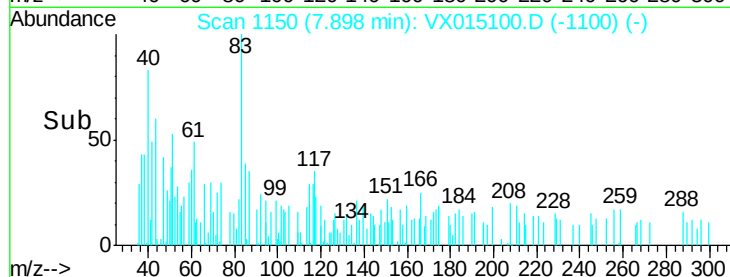
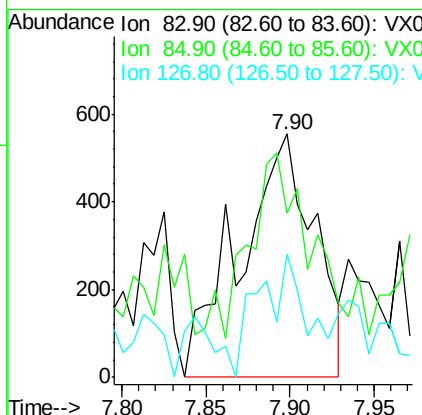
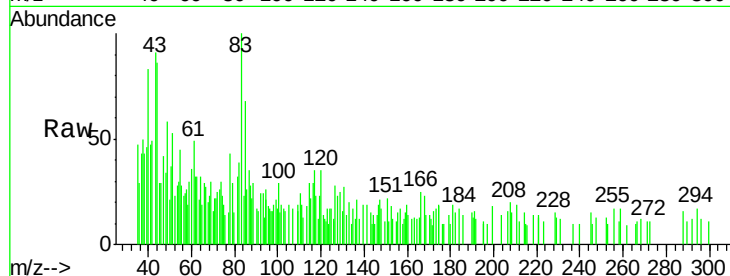
ClientSampleId :

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

Tot Ion:	83	Resp:	1712
Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.6	75.8
127	27.7	7.1	10.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.327 ug/l

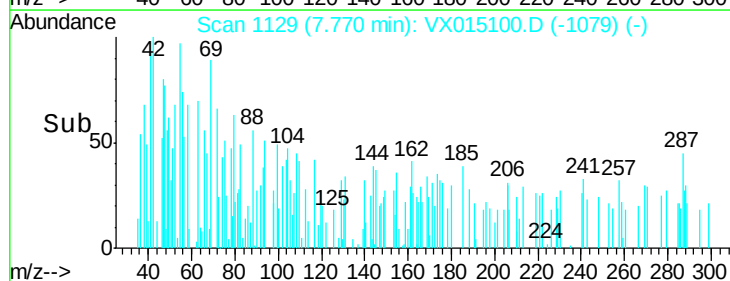
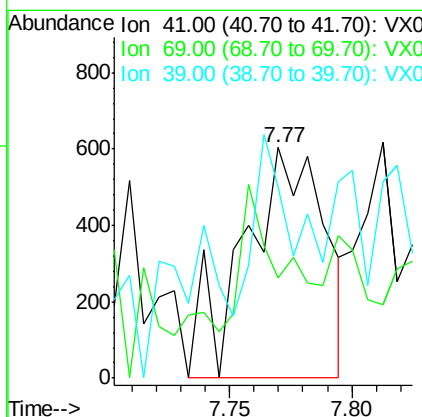
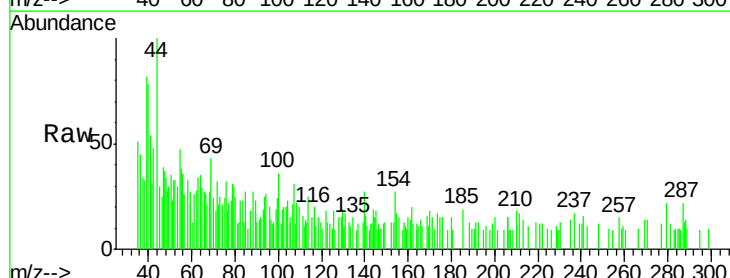
RT: 7.77 min Scan# 1129

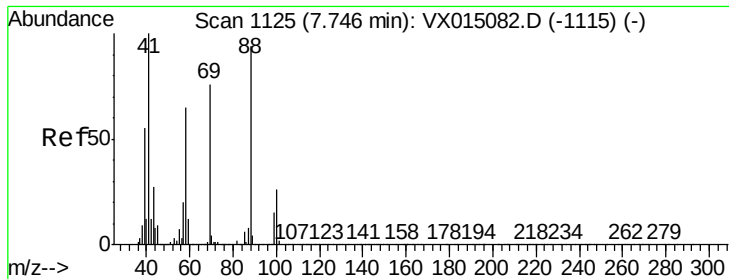
Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	41	Resp:	1384
Ion	Ratio	Lower	Upper
41	100		
69	37.9	65.4	98.2#
39	29.3	44.6	67.0#





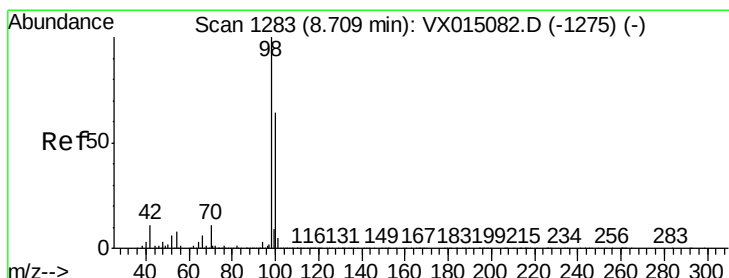
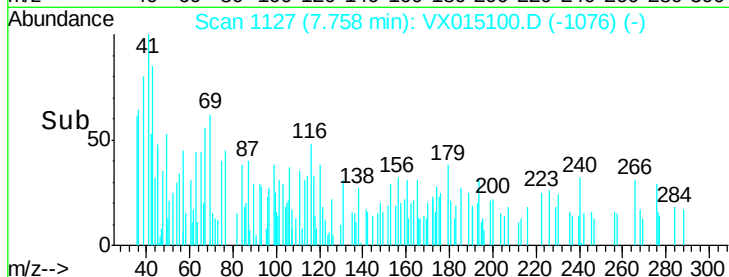
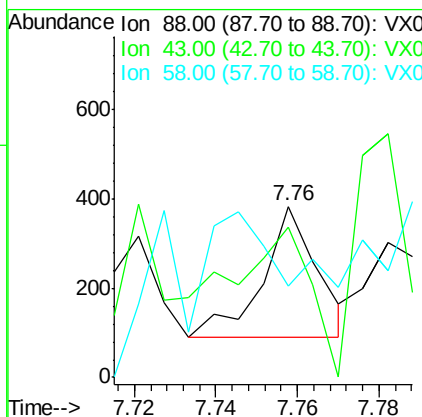
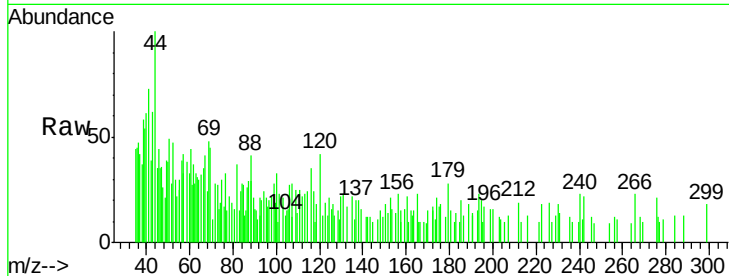
#49
1,4-Dioxane
Concen: 2.987 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	168.5	27.0	40.4#
58	121.6	55.6	83.4#

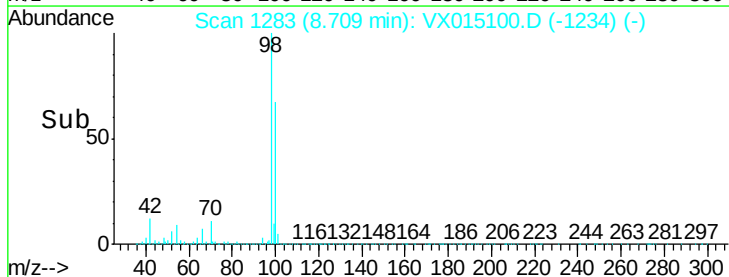
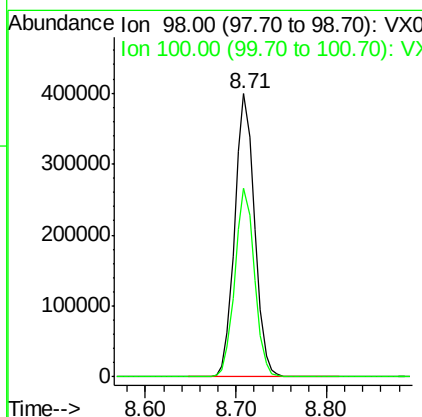
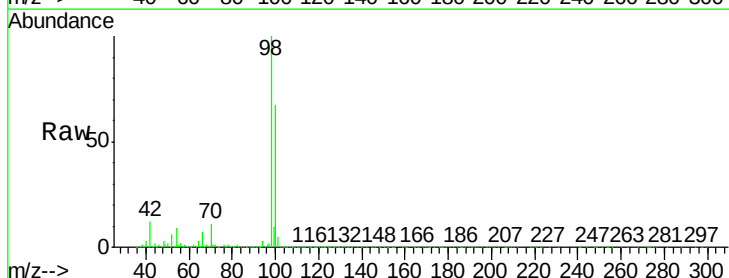
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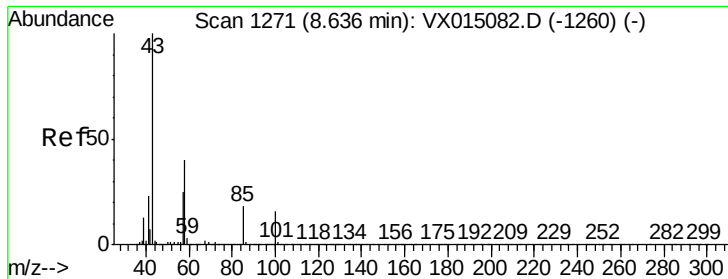
MMDadoda
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#50
Toluene-d8
Concen: 45.931 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 0.834 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 43 Resp: 4094

Ion Ratio Lower Upper

43 100

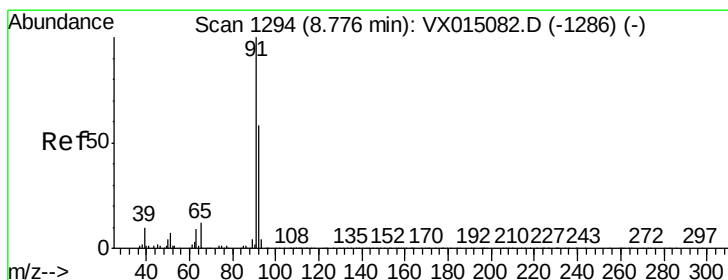
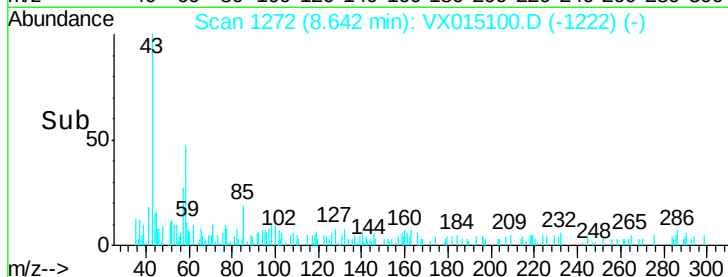
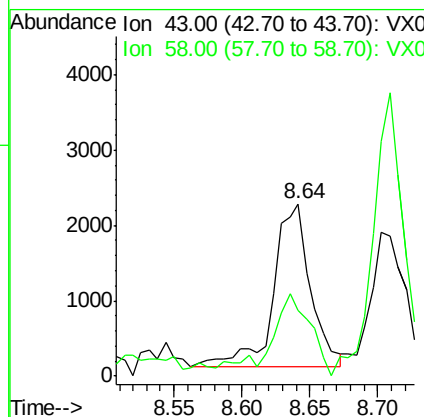
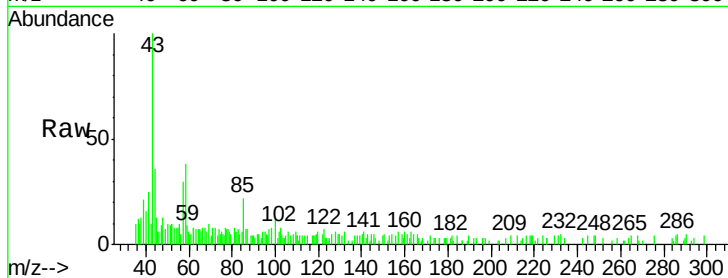
58 55.5 31.6 47.4#

Manual Integrations

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#52

Toluene

Concen: 0.242 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX015100.D

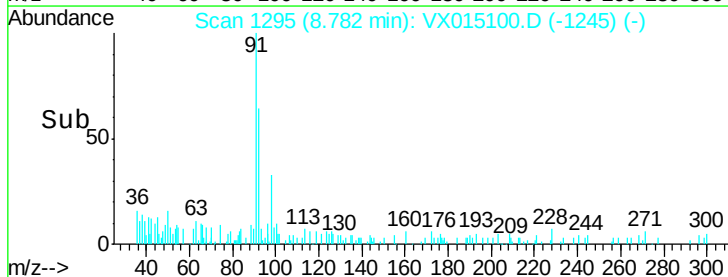
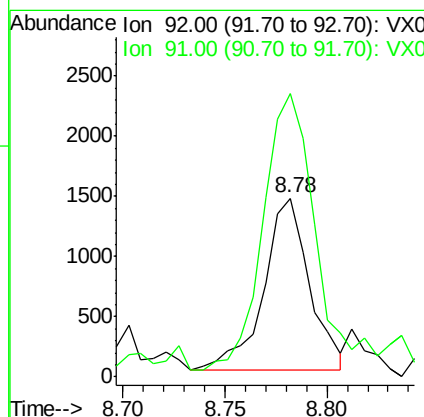
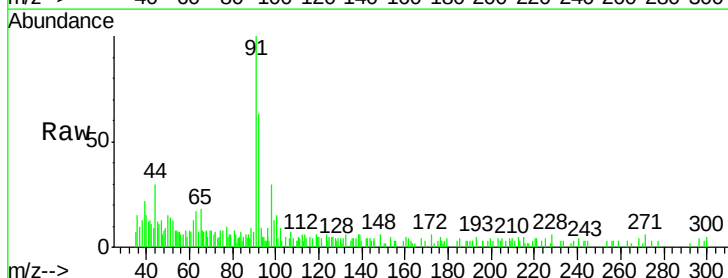
Acq: 05 Mar 2020 10:40

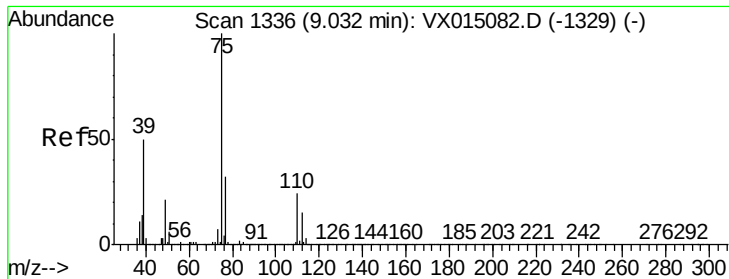
Tgt Ion: 92 Resp: 2230

Ion Ratio Lower Upper

92 100

91 185.1 136.9 205.3





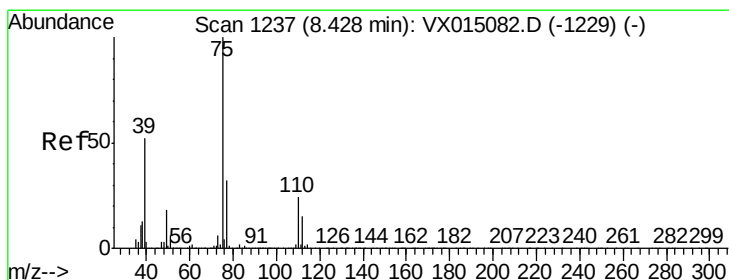
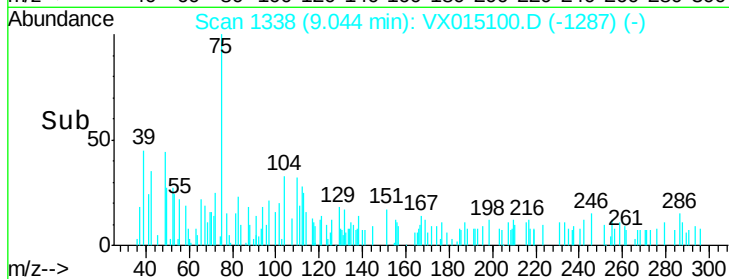
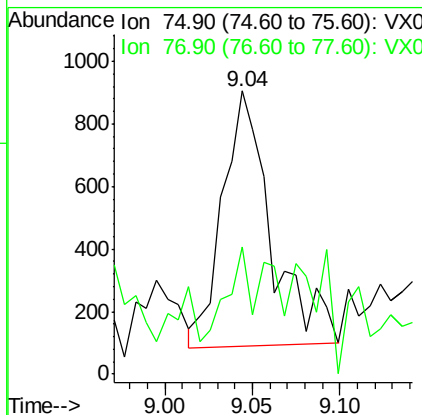
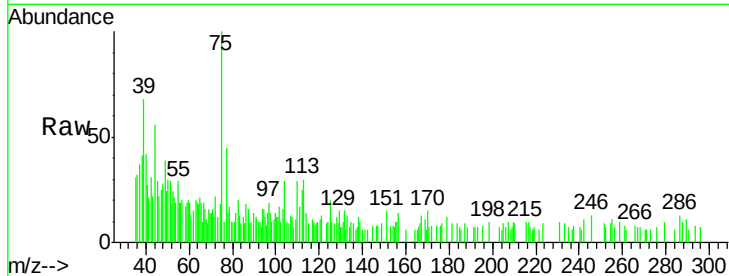
#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion: 75 Resp: 1580
Ion Ratio Lower Upper
75 100
77 53.4 25.4 38.0#

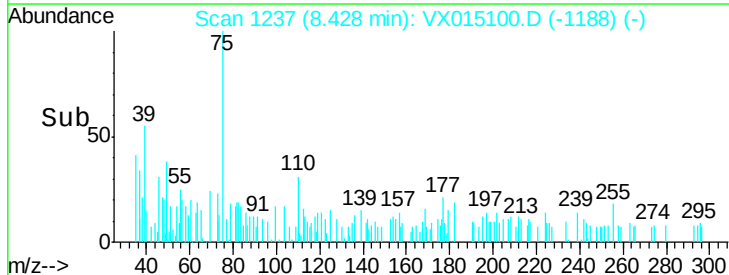
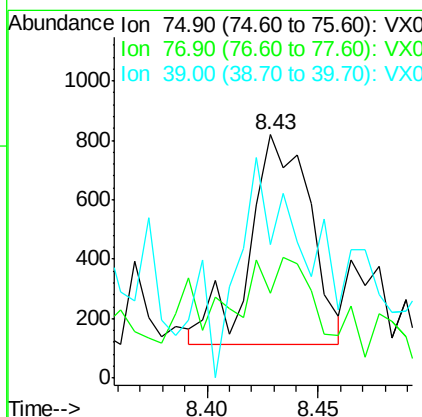
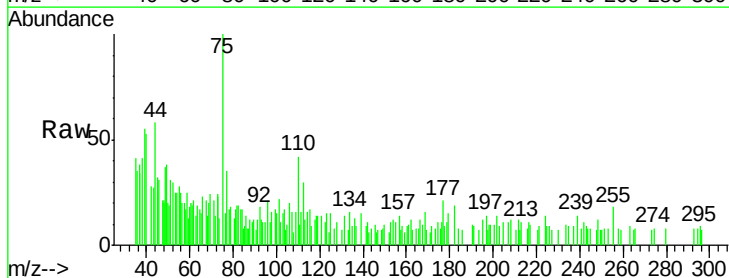
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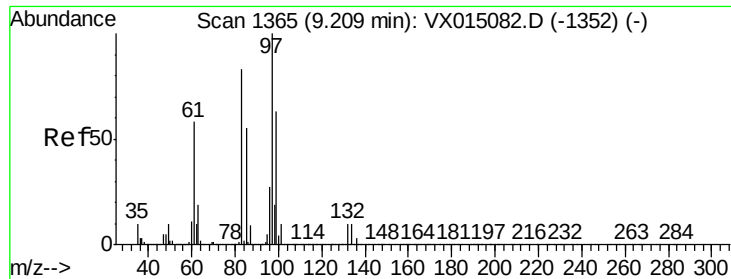
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3/6/2020 4:49:44 PM



#54
cis-1,3-Dichloropropene
Concen: 0.219 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion: 75 Resp: 1326
Ion Ratio Lower Upper
75 100
77 4.6 25.8 38.6#
39 41.7 41.3 61.9





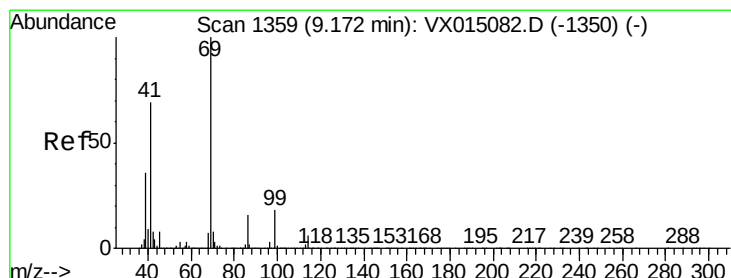
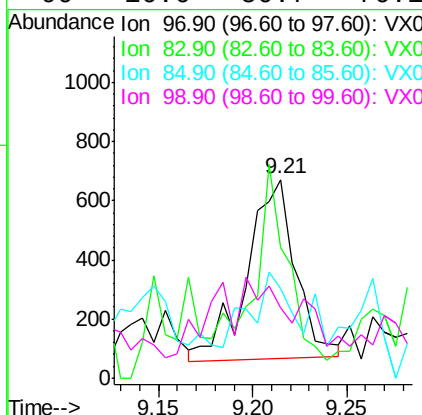
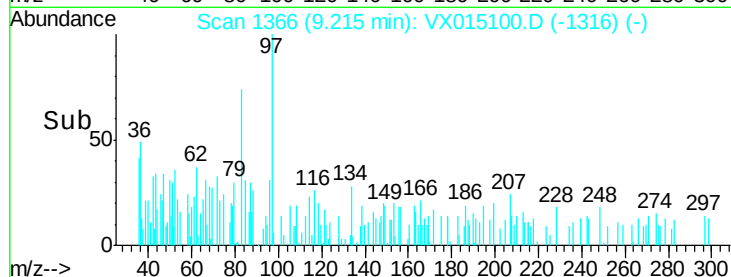
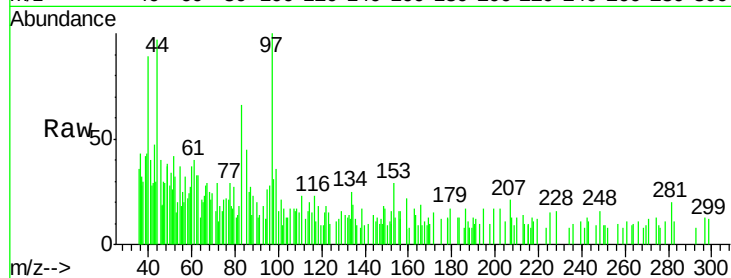
#55
 1,1,2-Trichloroethane
 Concen: 0.285 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	61.2	66.4	99.6#
85	32.9	43.5	65.3#
99	16.6	50.7	76.1#

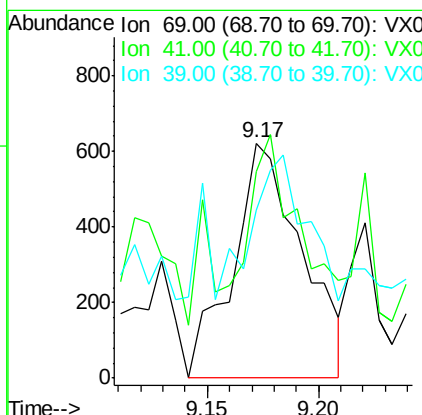
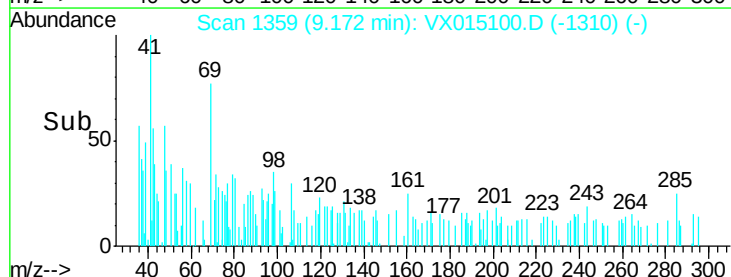
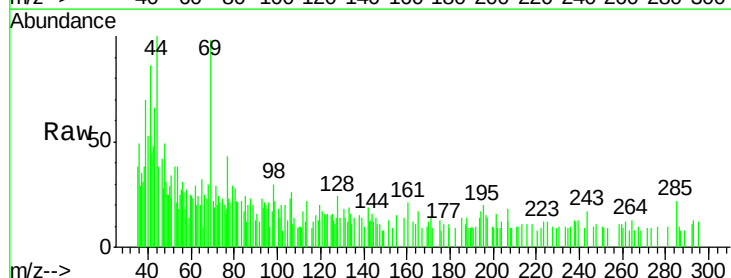
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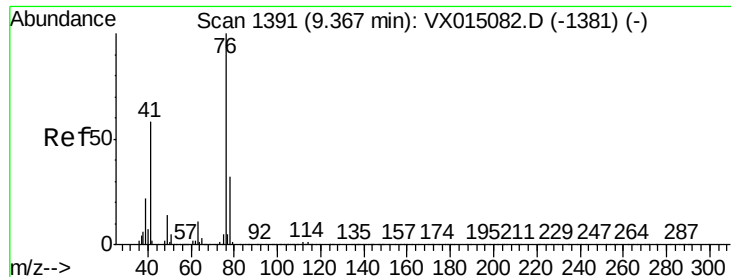
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#56
 Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	45.3	55.8	83.8#
39	44.4	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 0.300 ug/l m

RT: 9.37 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 76 Resp: 1919

Ion Ratio Lower Upper

76 100

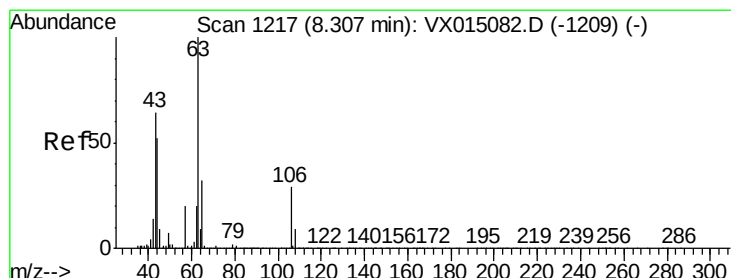
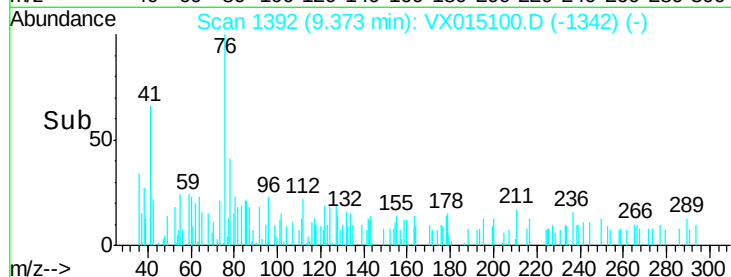
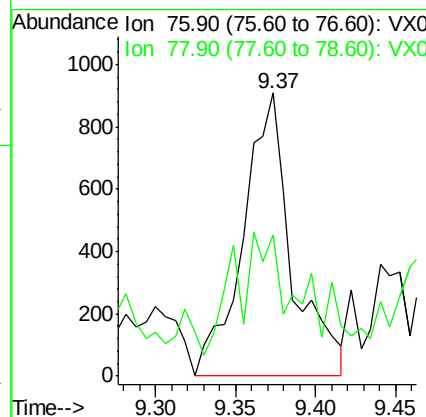
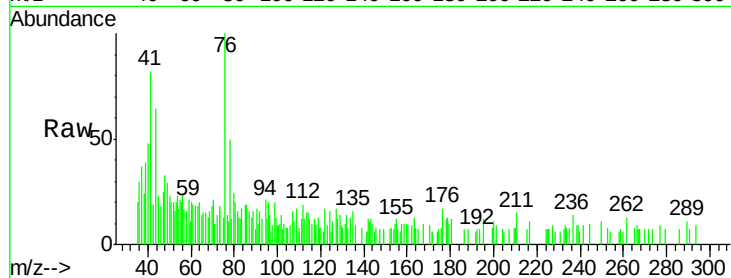
78 6.0 25.6 38.4#

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 0.921 ug/l m

RT: 8.31 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VX015100.D

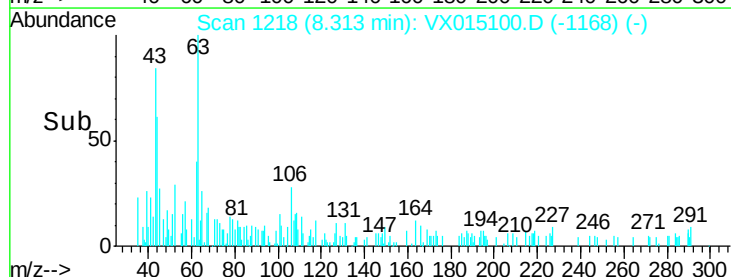
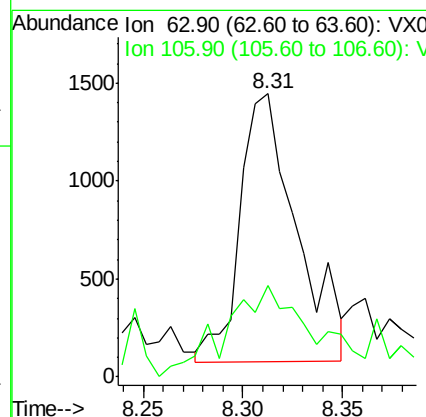
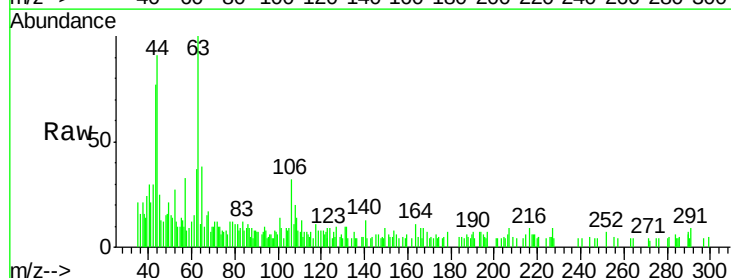
Acq: 05 Mar 2020 10:40

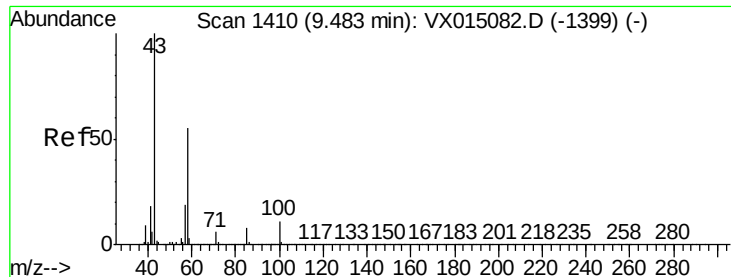
Tgt Ion: 63 Resp: 2721

Ion Ratio Lower Upper

63 100

106 7.5 22.8 34.2#





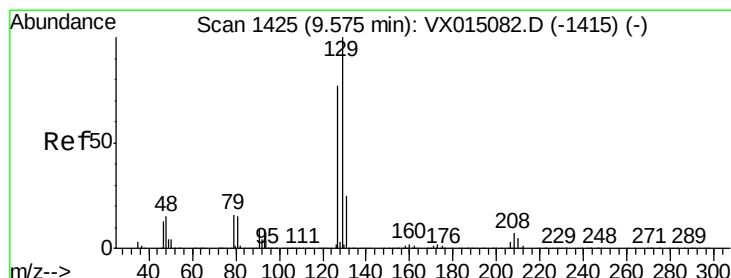
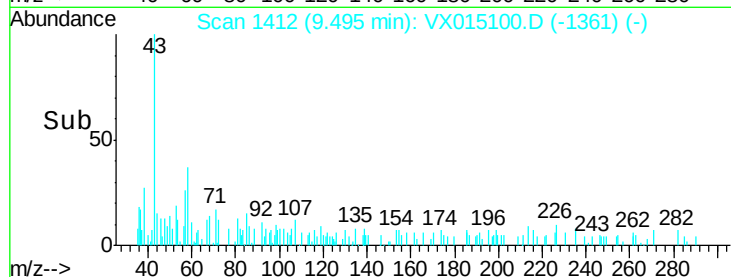
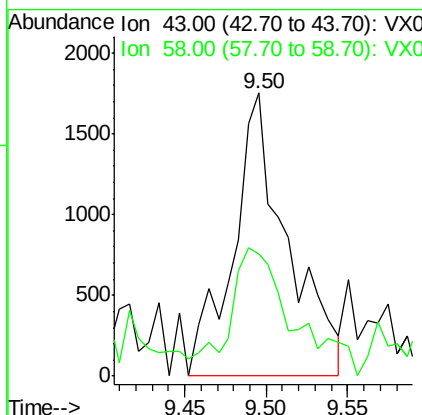
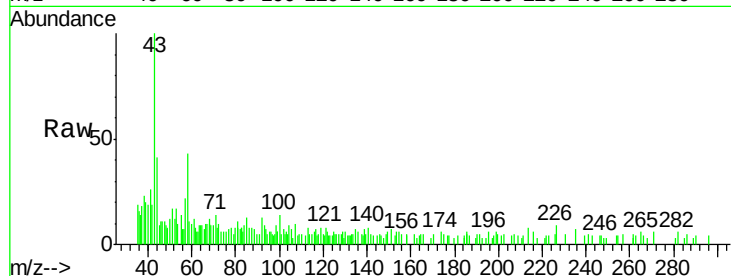
#59
2-Hexanone
Concen: 1.115 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
58 52.6 27.3 81.8

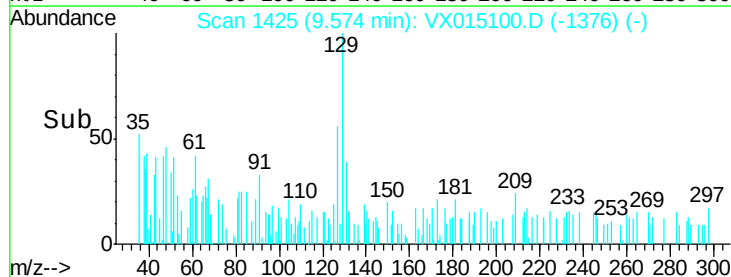
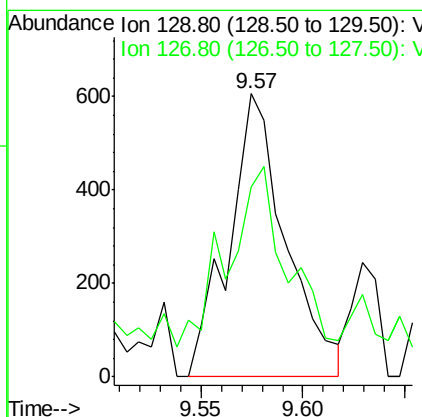
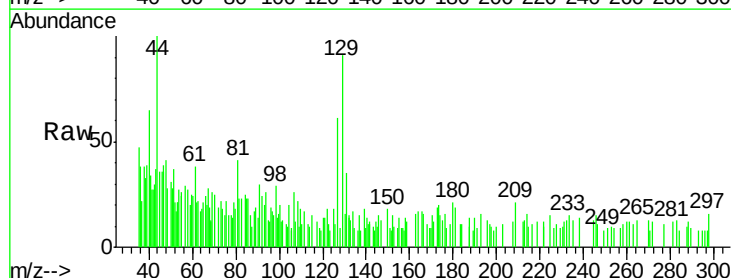
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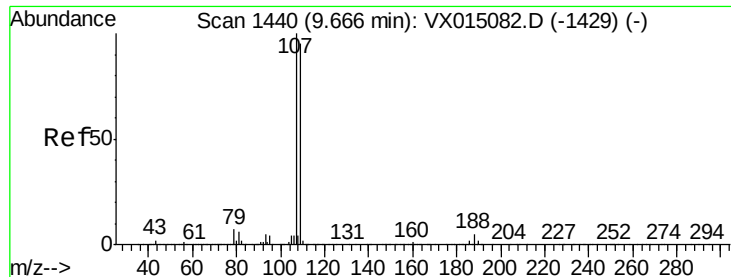
MMDadoda
3/6/2020 4:49:44 PM



#60
Dibromochloromethane
Concen: 0.293 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion: 129 Resp: 1171
Ion Ratio Lower Upper
129 100
127 67.0 38.8 116.3





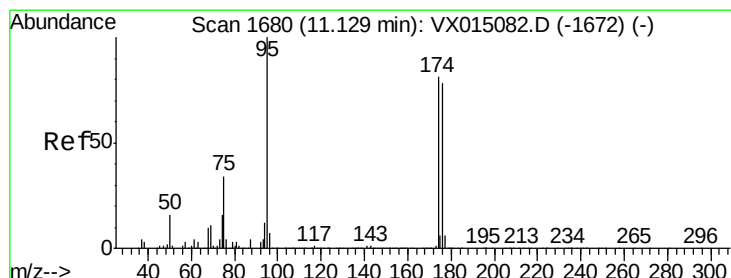
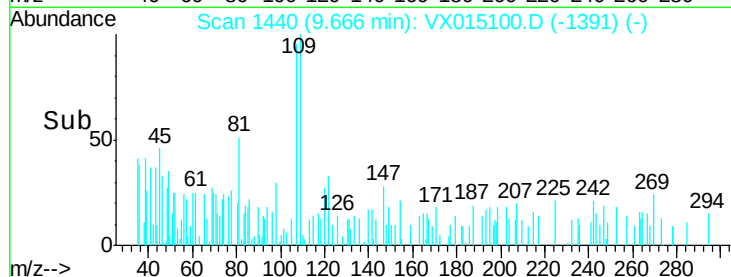
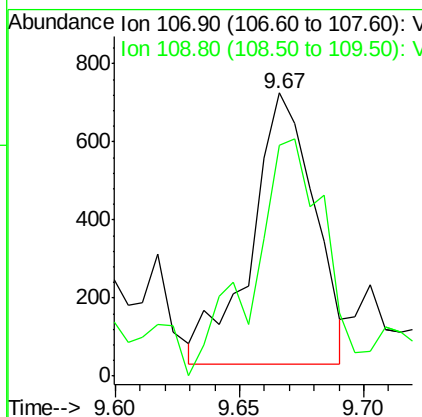
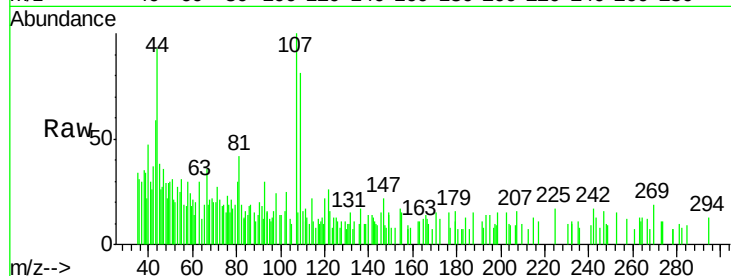
#61
 1,2-Dibromoethane
 Concen: 0.306 ug/l m
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion: 107 Resp: 1223
 Ion Ratio Lower Upper
 107 100
 109 18.3 75.6 113.4#

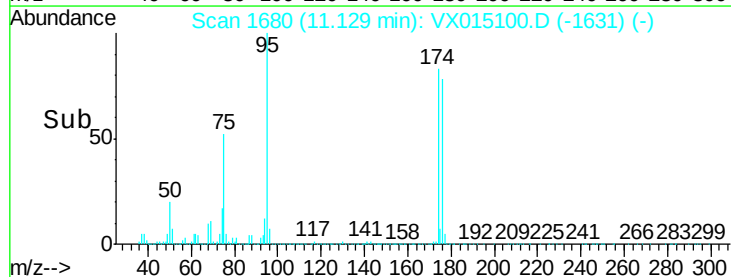
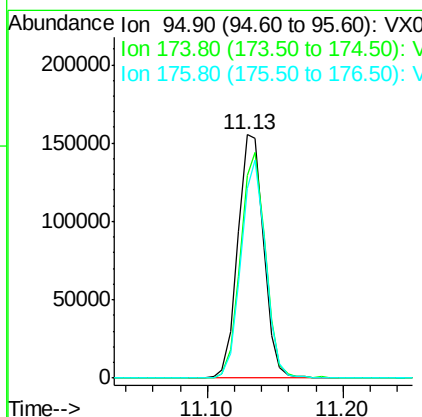
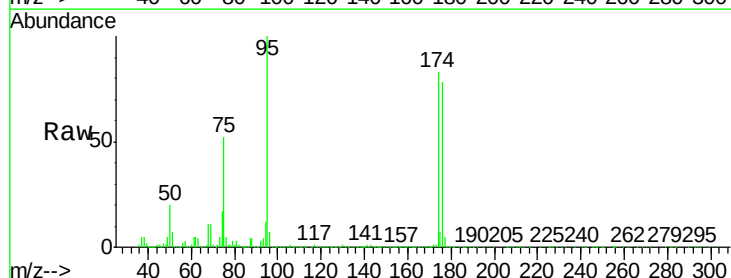
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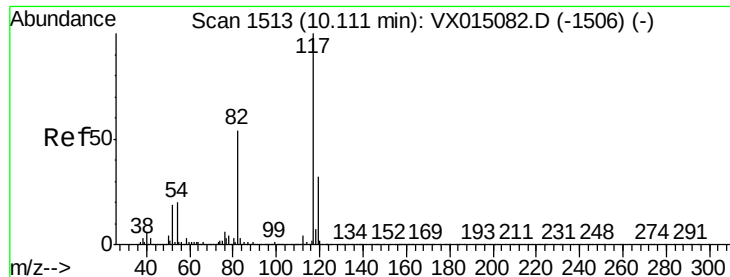
MMDadoda
 3/6/2020 4:49:44 PM



#62
 4-Bromofluorobenzene
 Concen: 43.439 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion: 95 Resp: 204717
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 177.6
 176 85.7 0.0 170.2





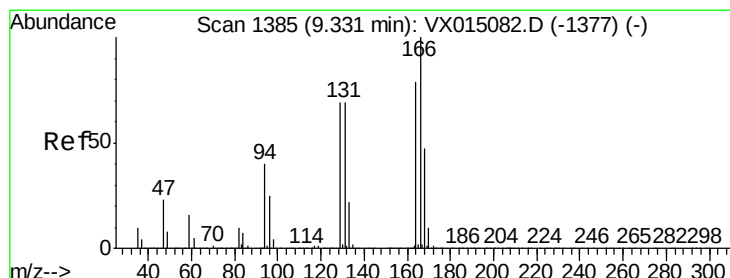
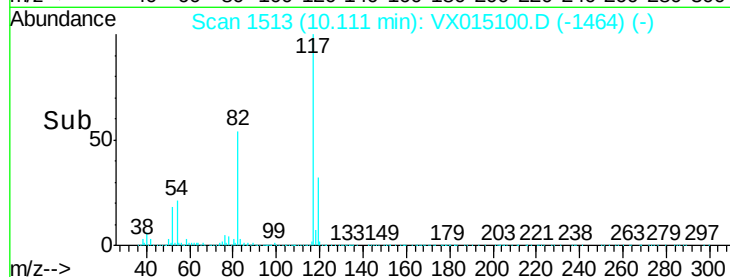
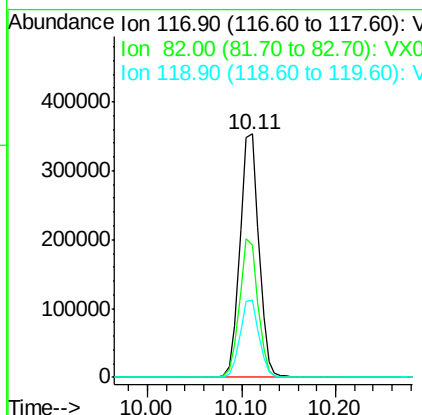
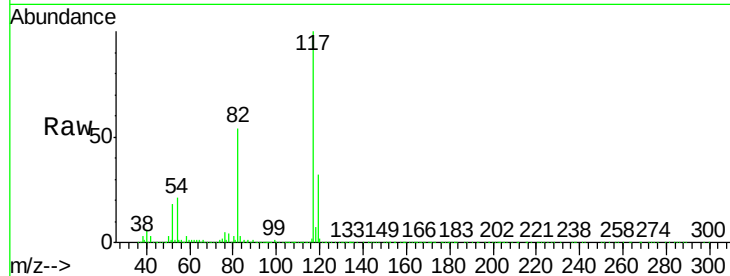
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	495824		
82	54.2	43.3	64.9	
119	31.9	25.8	38.8	

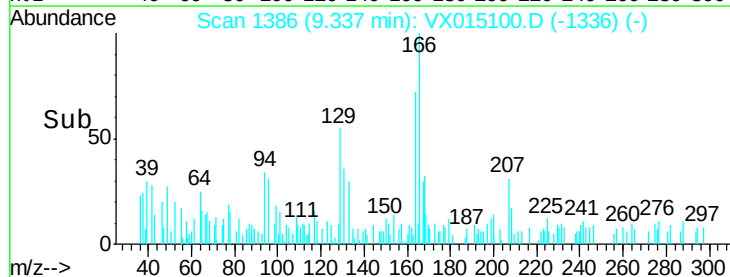
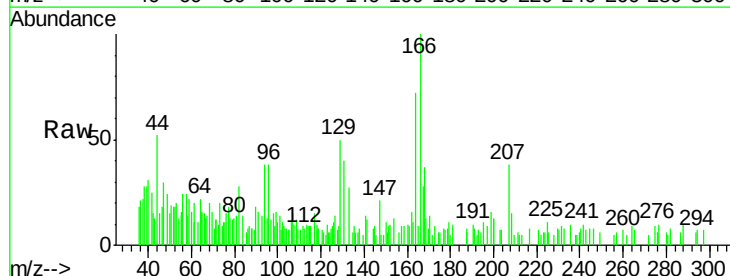
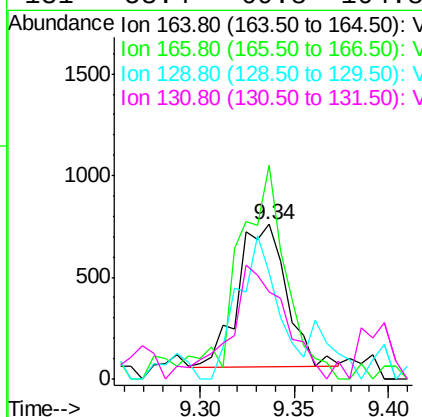
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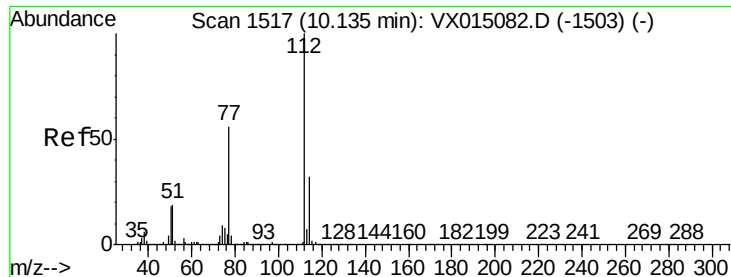
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#64
Tetrachloroethene
Concen: 0.302 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1239		
166	151.1	101.1	151.7	
129	63.9	69.4	104.0#	
131	53.4	69.8	104.8#	





#65

Chlorobenzene

Concen: 0.289 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion:112 Resp: 2875

Ion Ratio Lower Upper

112 100

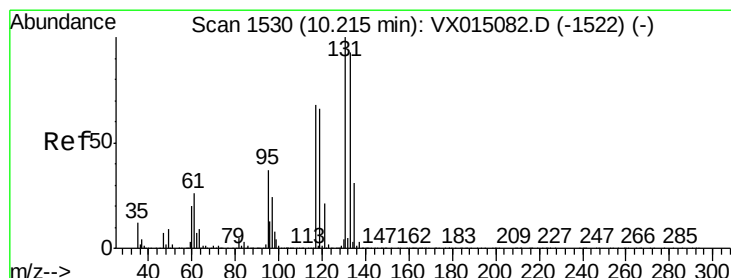
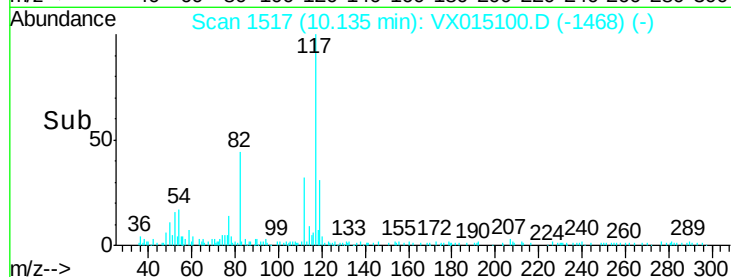
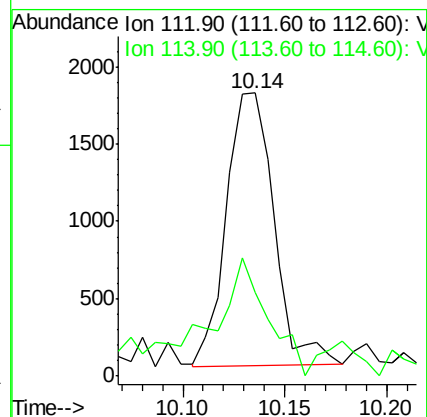
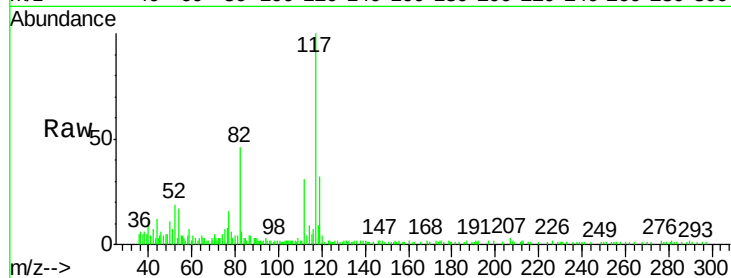
114 17.8 25.5 38.3#

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#66

1,1,1,2-Tetrachloroethane

Concen: 0.300 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

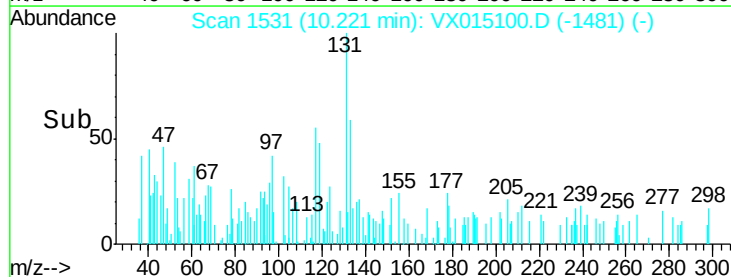
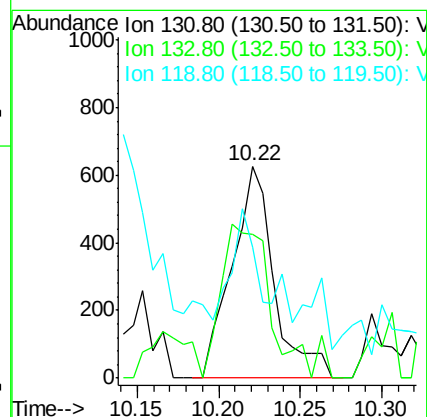
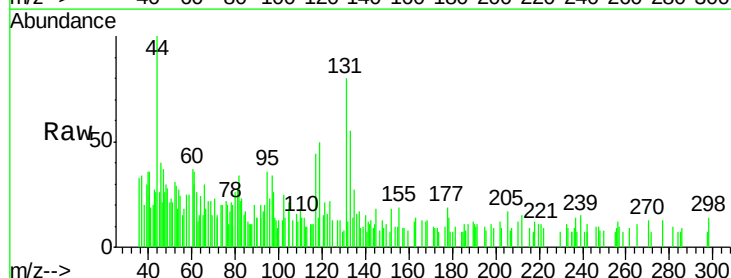
Tgt Ion:131 Resp: 1126

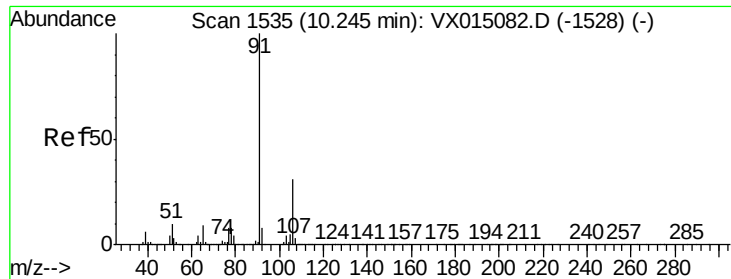
Ion Ratio Lower Upper

131 100

133 82.6 47.5 142.5

119 0.0 33.4 100.1#





#67

Ethyl Benzene

Concen: 0.249 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion: 91 Resp: 4214

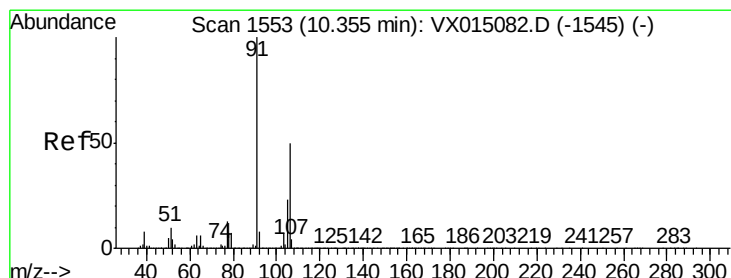
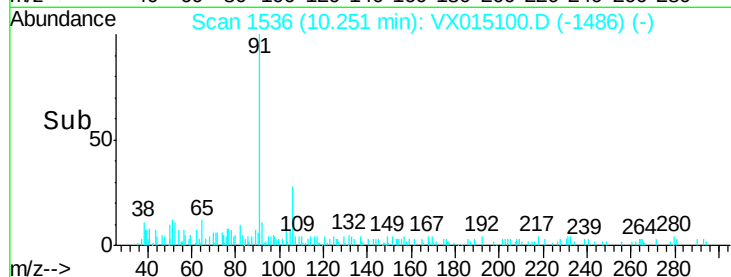
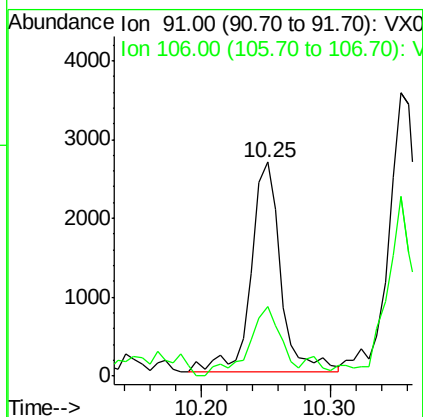
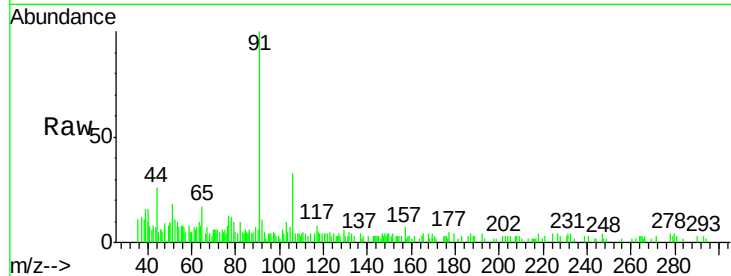
Ion Ratio Lower Upper

91 100

106 29.1 24.9 37.3

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#68

m/p-Xylenes

Concen: 0.514 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX015100.D

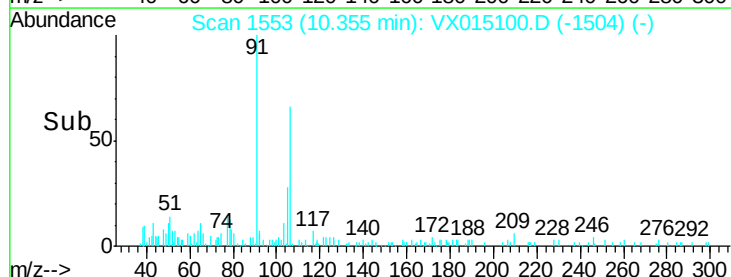
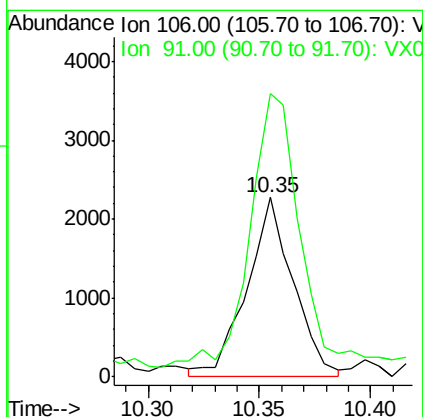
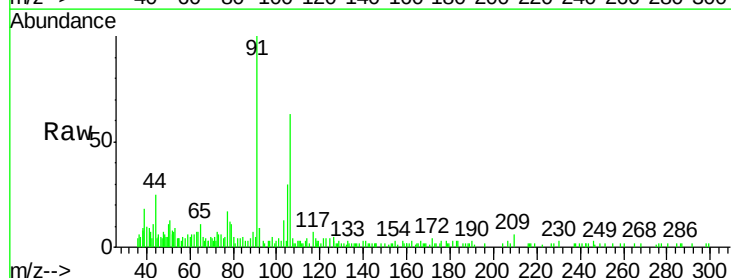
Acq: 05 Mar 2020 10:40

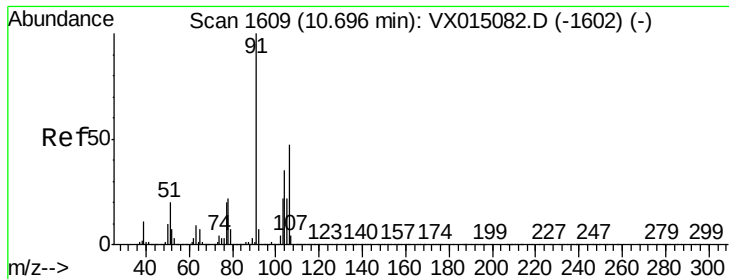
Tgt Ion: 106 Resp: 3304

Ion Ratio Lower Upper

106 100

91 164.6 159.4 239.2





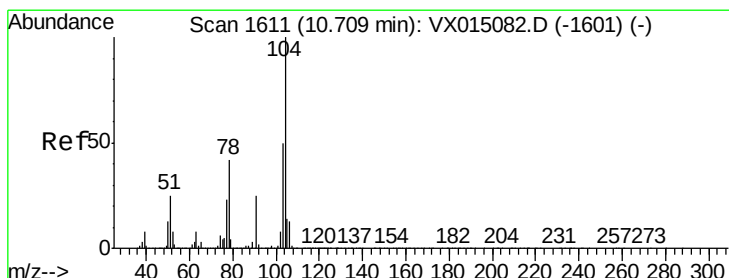
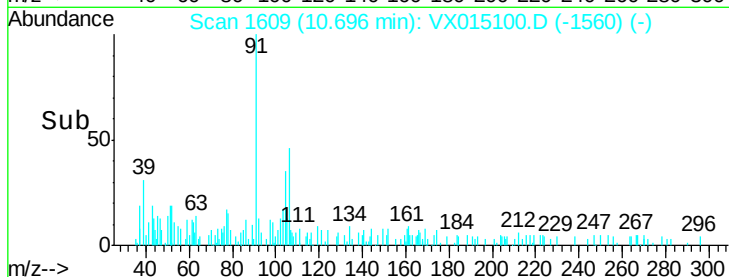
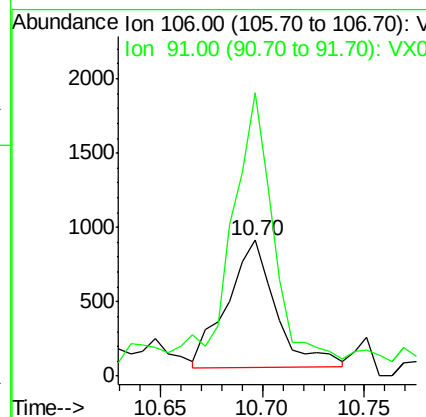
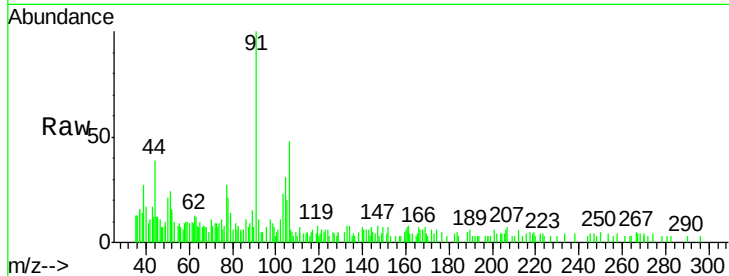
#69
o-Xylene
Concen: 0.230 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	178.2	105.4	316.1

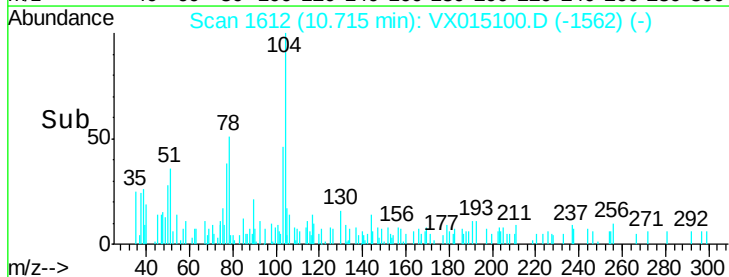
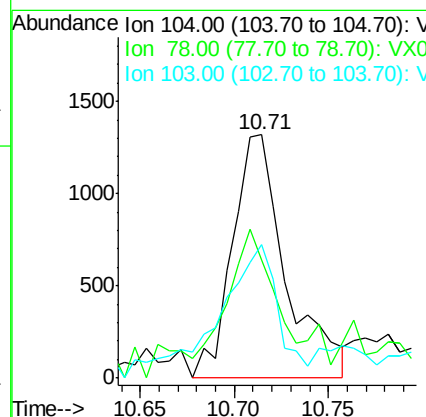
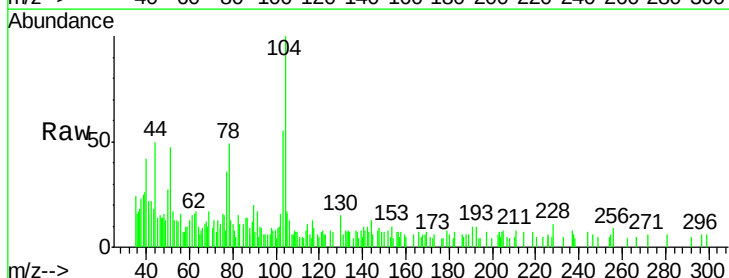
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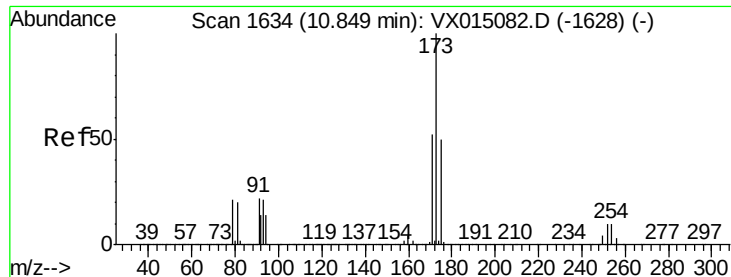
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#70
Styrene
Concen: 0.247 ug/l
RT: 10.71 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	39.0	58.4
103	62.1	43.7	65.5





#71

Bromoform

Concen: 0.373 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

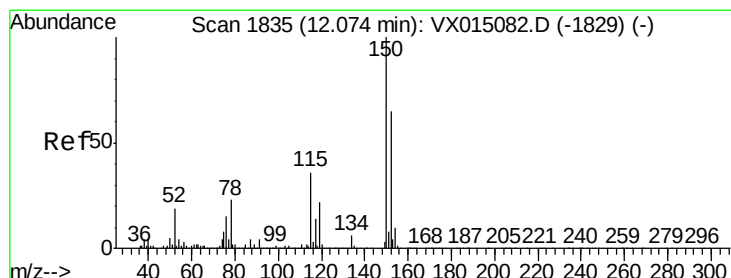
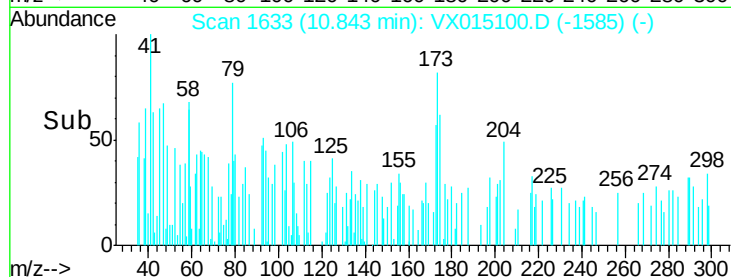
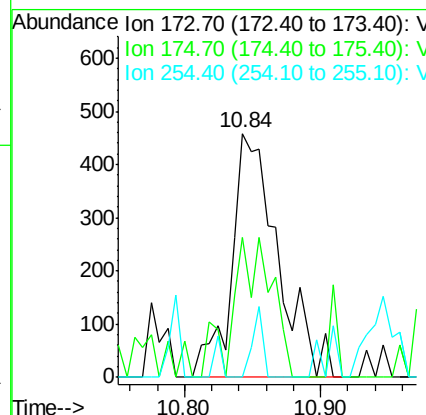
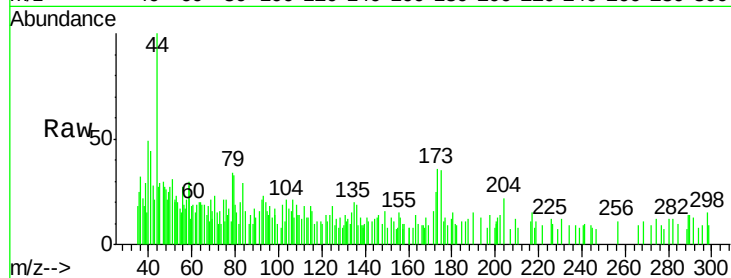
ClientSampleId :

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

Tot Ion:	173	Resp:	1087
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.9	74.7#
254	6.3	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

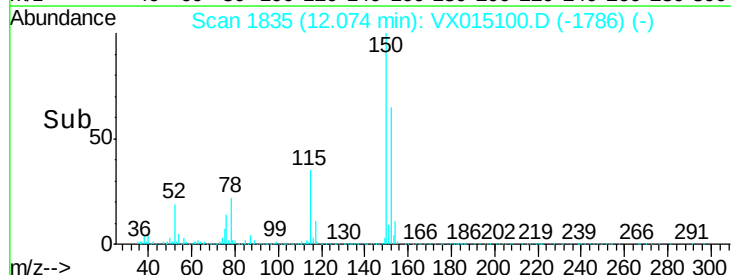
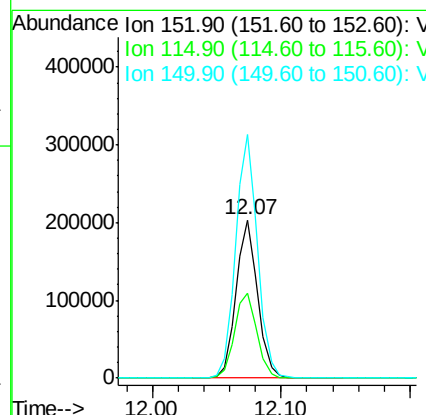
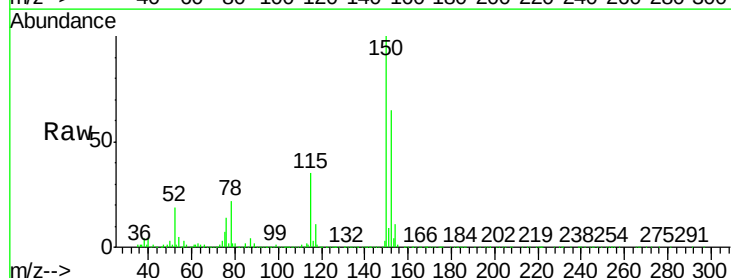
RT: 12.07 min Scan# 1835

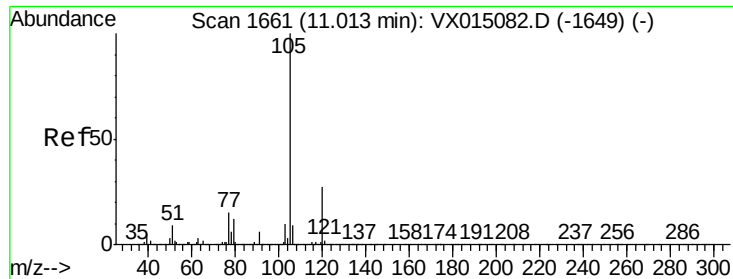
Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	152	Resp:	237852
Ion Ratio	Lower	Upper	
152	100		
115	55.8	38.2	114.6
150	156.0	0.0	343.8





#73

Isopropylbenzene

Concen: 0.213 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

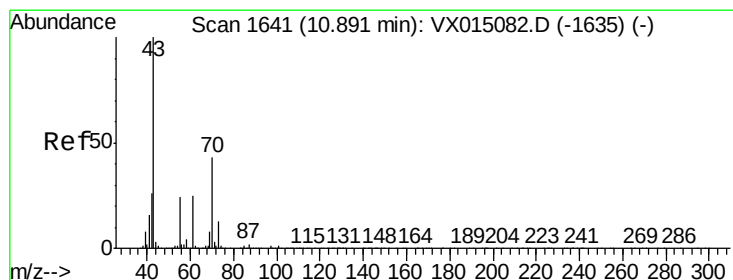
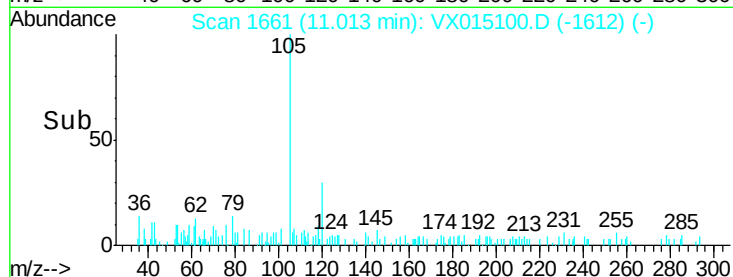
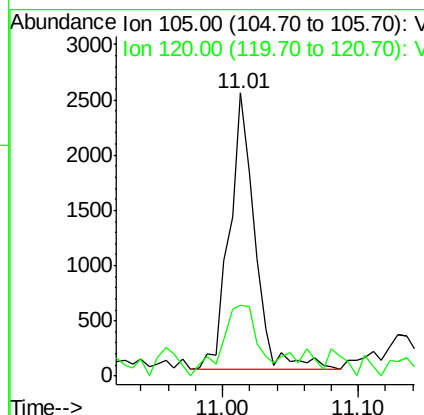
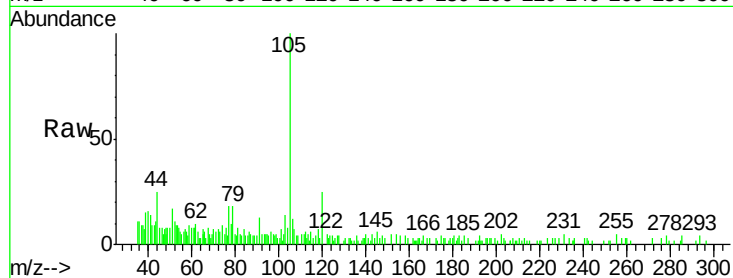
Instrument : MSVOA_X

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	36.2	13.5	40.5

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#74

N-ethyl acetate

Concen: 0.245 ug/l

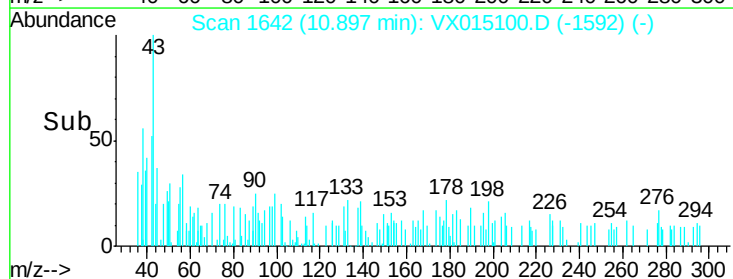
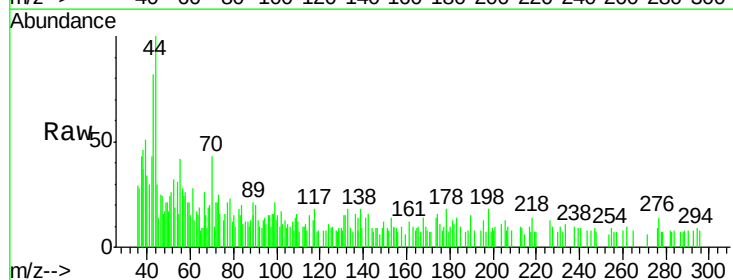
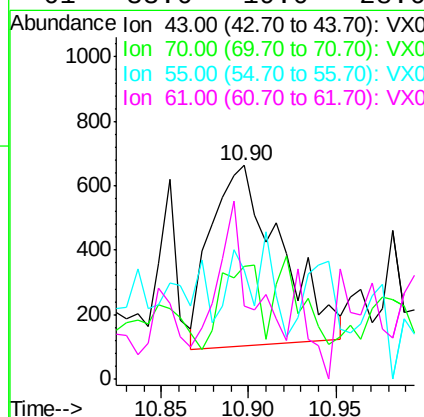
RT: 10.90 min Scan# 1642

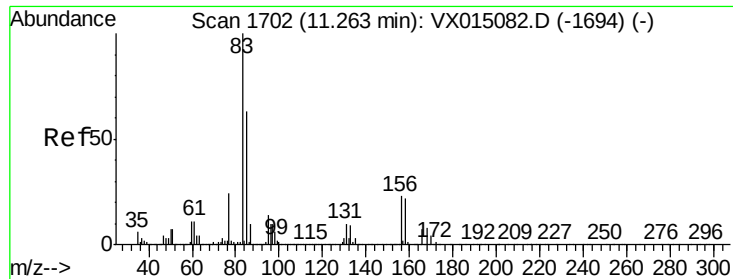
Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.8	34.7	52.1#
55	13.1	19.4	29.0#
61	33.6	19.0	28.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

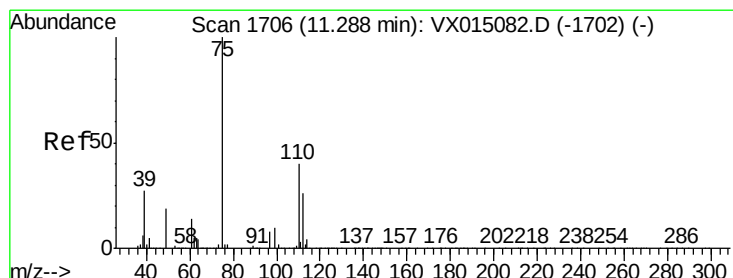
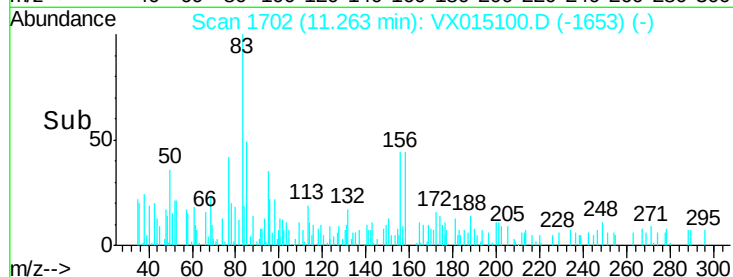
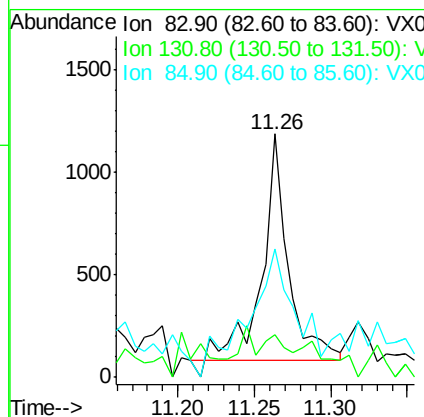
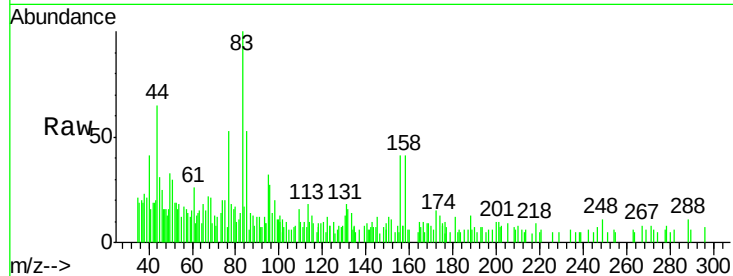
ClientSampleId :

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

Tot Ion:	83	Resp:	1307
Ion Ratio	Lower	Upper	
83	100		
131	5.8	5.0	14.9
85	111.3	31.9	95.9#

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#76

1,2,3-Trichloropropane

Concen: 0.226 ug/l m

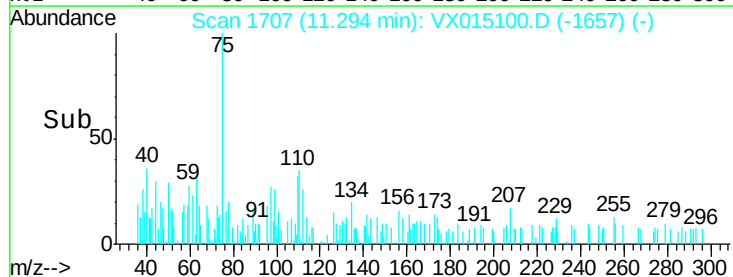
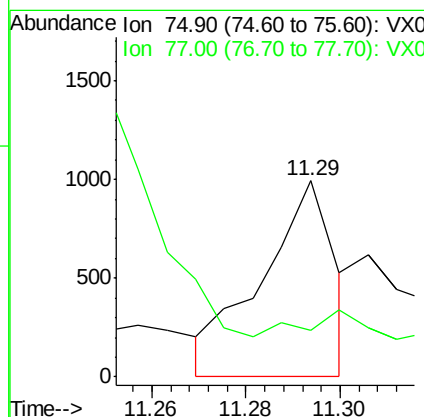
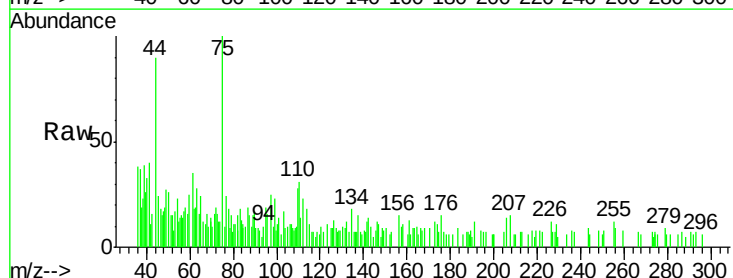
RT: 11.29 min Scan# 1707

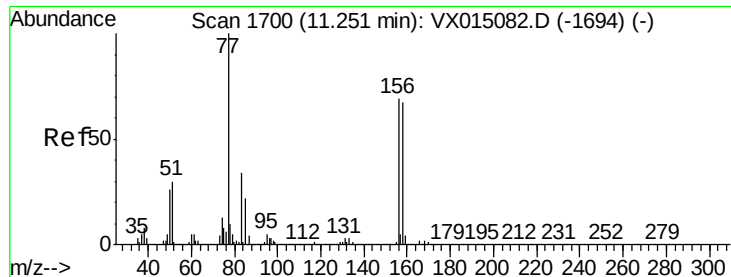
Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	75	Resp:	1070
Ion Ratio	Lower	Upper	
75	100		
77	105.9	22.6	67.8#





#77

Bromobenzene

Concen: 0.450 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

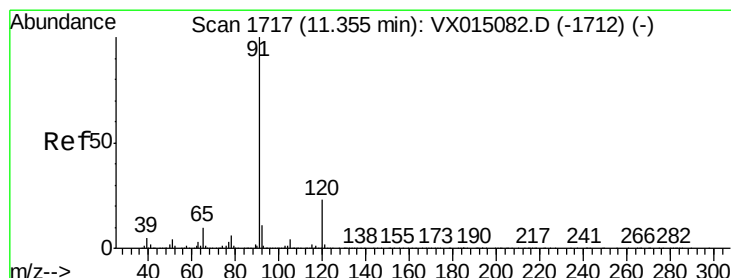
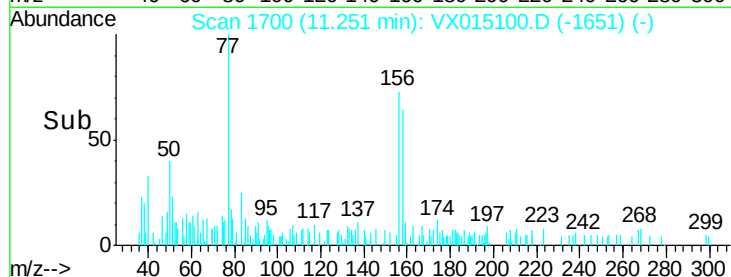
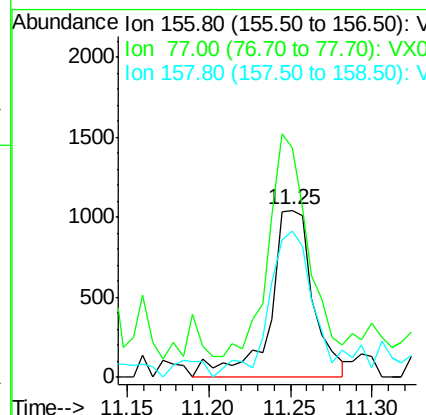
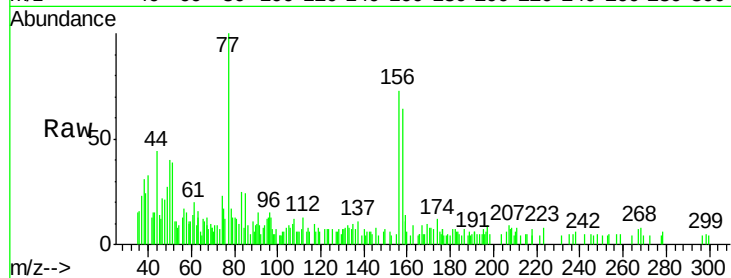
ClientSampleId :

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

Tot Ion:	156	Resp:	1904
Ion	Ratio	Lower	Upper
156	100		
77	120.6	75.3	225.9
158	94.4	48.5	145.6

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#78

n-propylbenzene

Concen: 0.272 ug/l

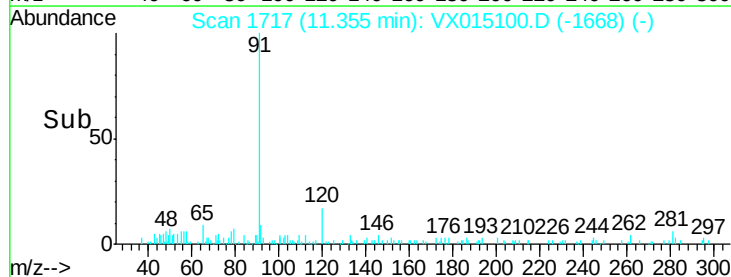
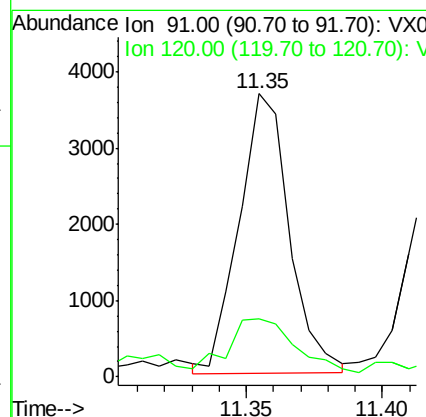
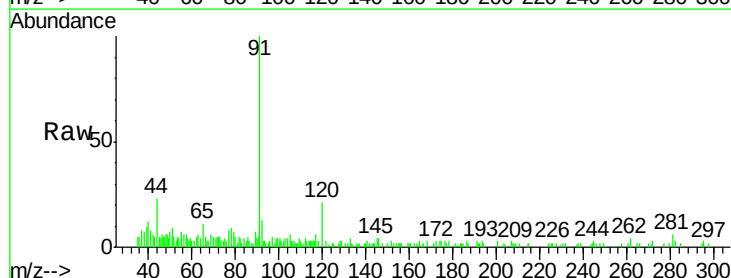
RT: 11.35 min Scan# 1717

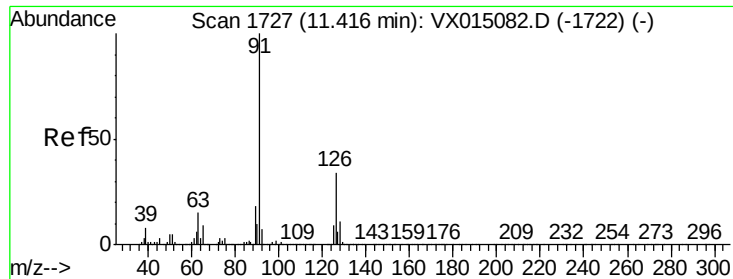
Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	91	Resp:	4721
Ion	Ratio	Lower	Upper
91	100		
120	26.6	11.7	35.1





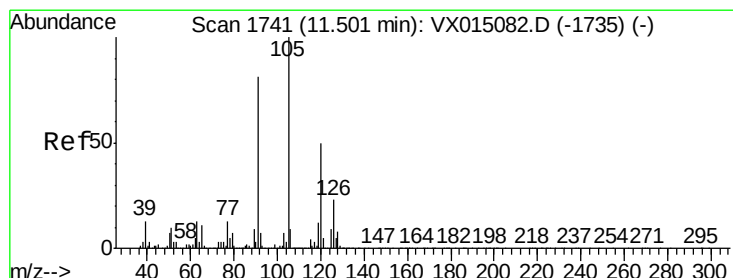
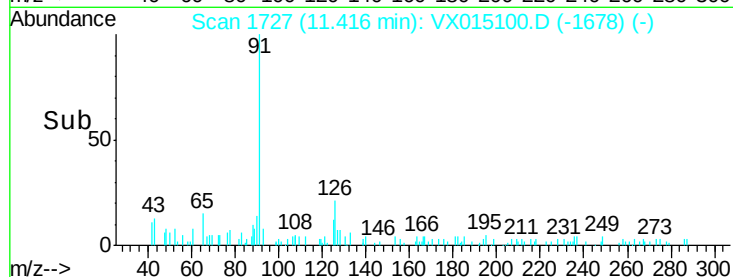
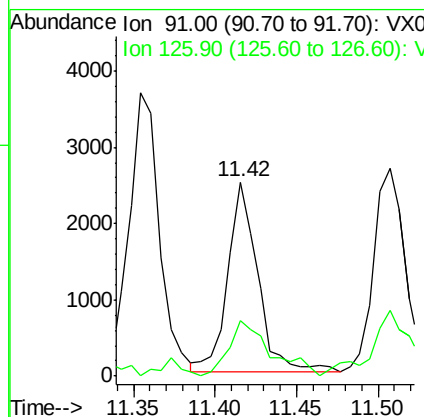
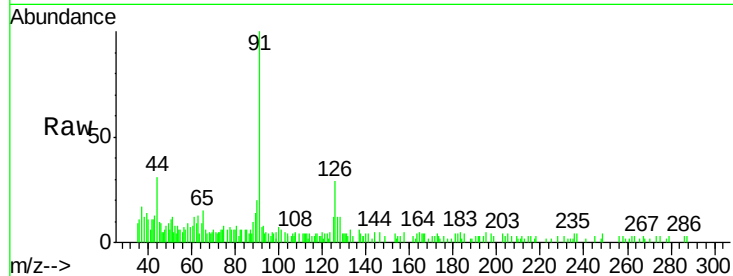
#79
2-Chlorotoluene
Concen: 0.310 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
91	100		
126	40.4	17.3	52.0

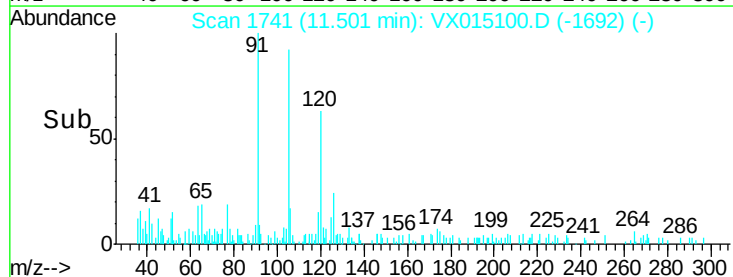
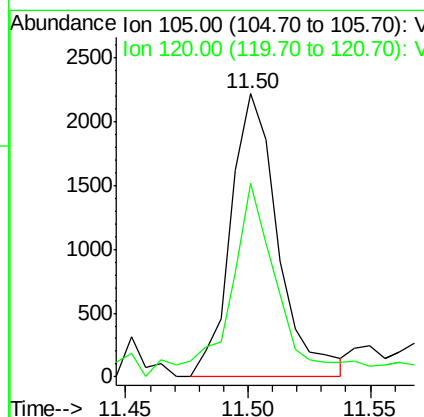
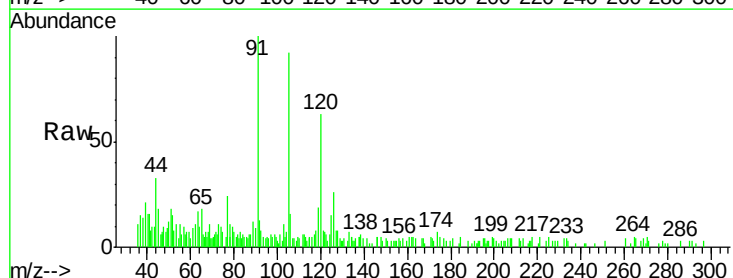
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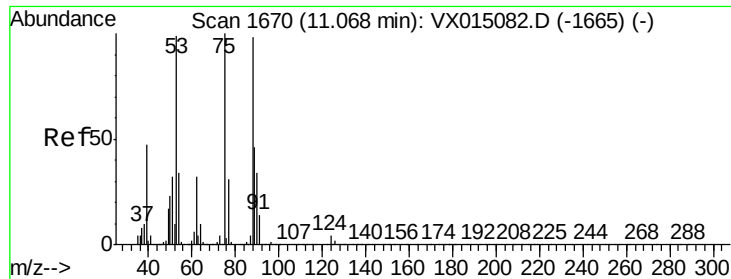
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#80
1,3,5-Trimethylbenzene
Concen: 0.236 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	73.2	25.1	75.4





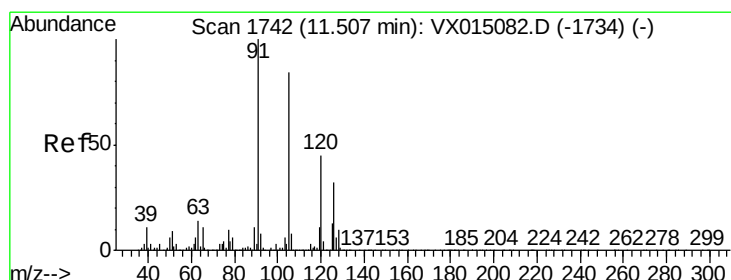
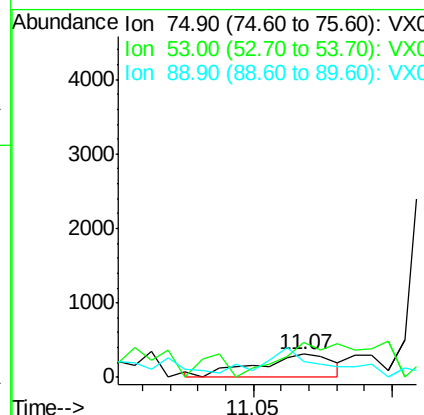
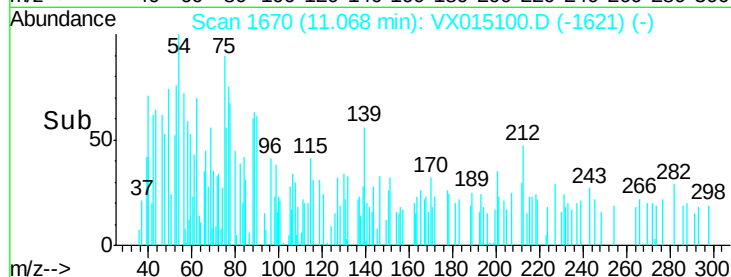
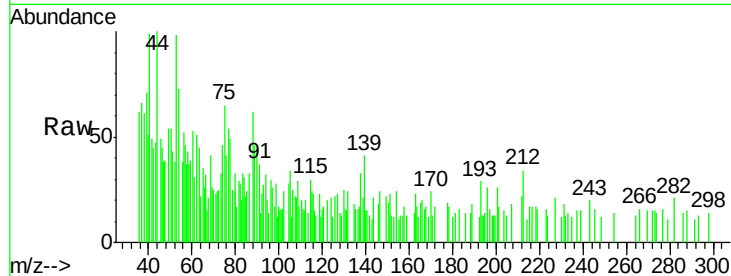
#81
trans-1,4-Dichloro-2-butene
Concen: 0.357 ug/l m
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

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

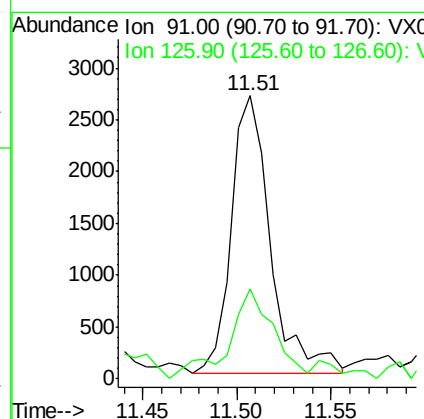
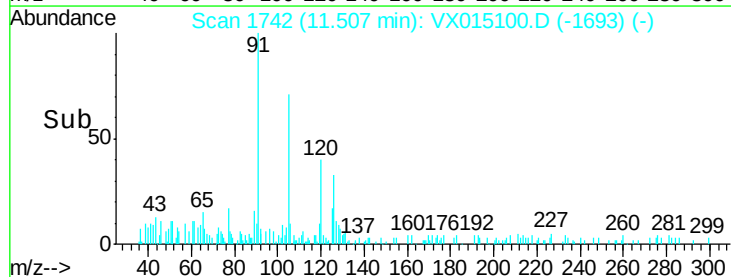
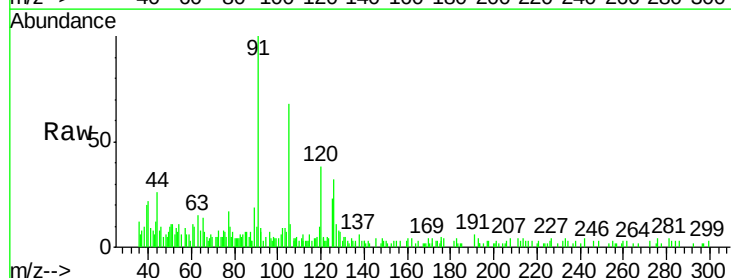
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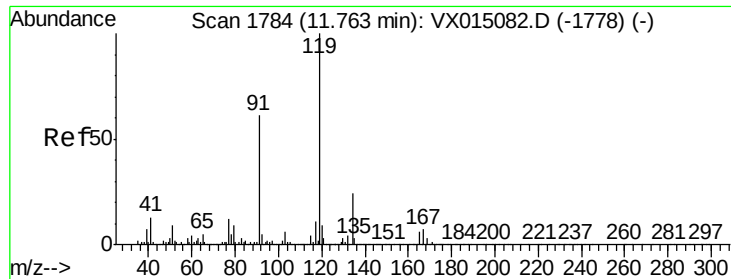
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#82
4-Chlorotoluene
Concen: 0.317 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	15.4	46.2





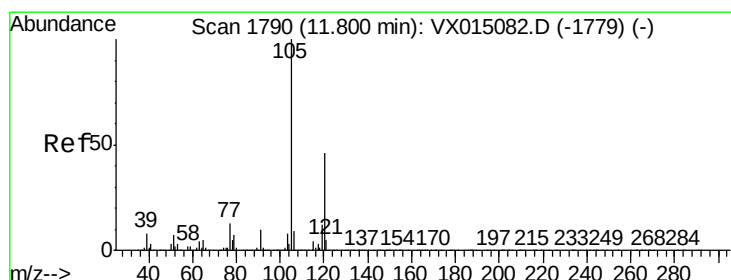
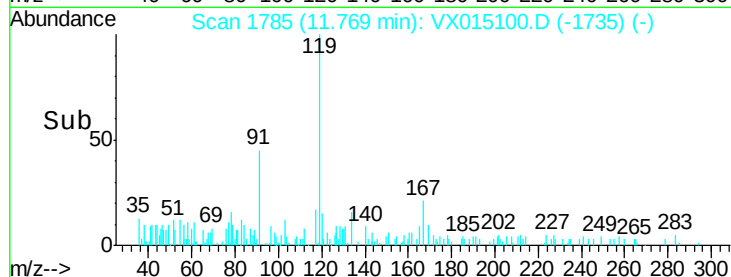
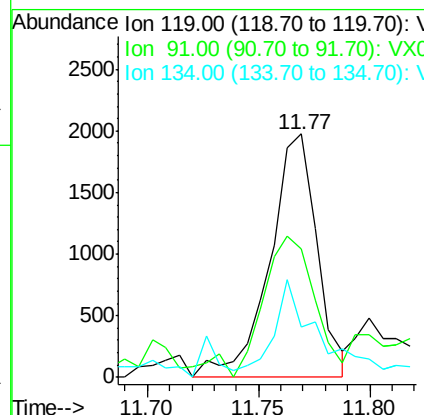
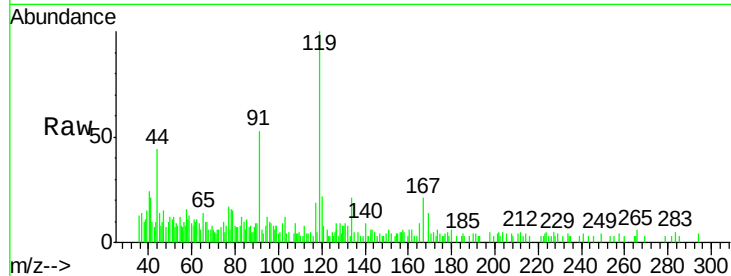
#83
 tert-Butylbenzene
 Concen: 0.239 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	28.5	85.6
134	40.4	11.9	35.7

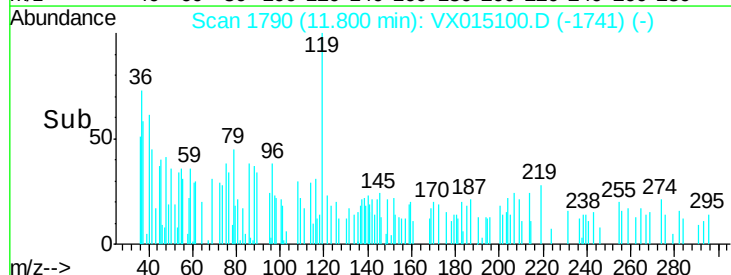
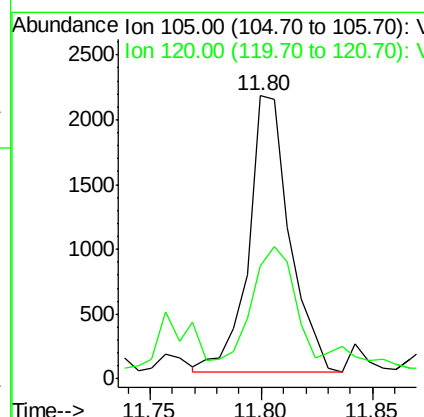
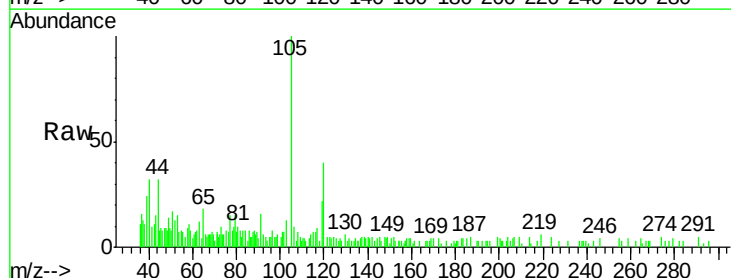
Manual Integrations
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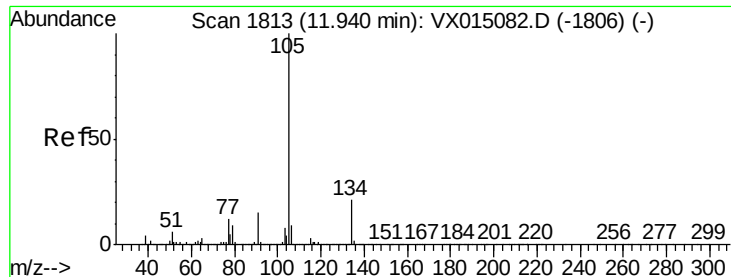
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.216 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.7	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.260 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

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

Tot Ion:105 Resp: 3845

Ion Ratio Lower Upper

105 100

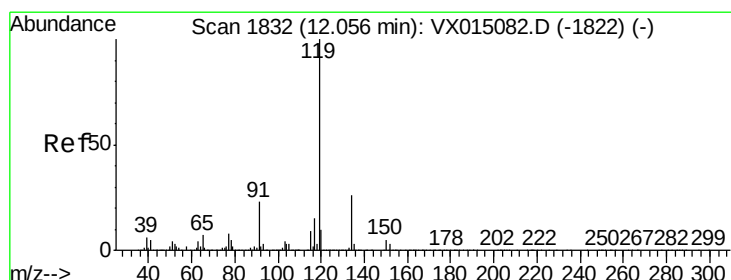
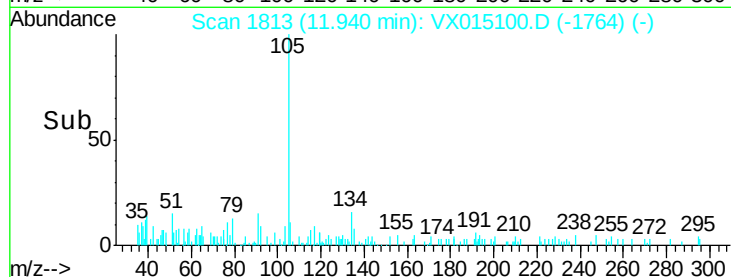
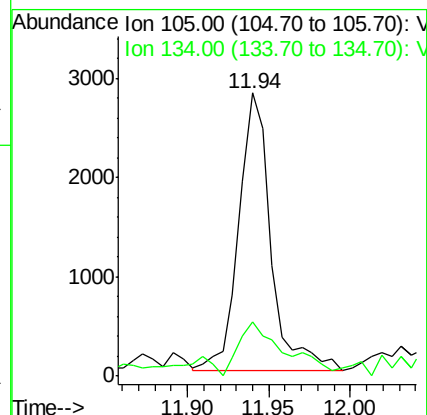
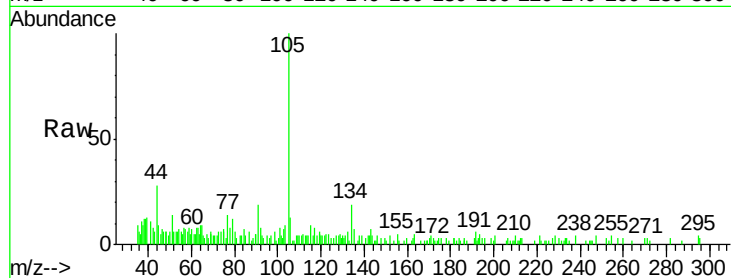
134 28.2 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 0.264 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

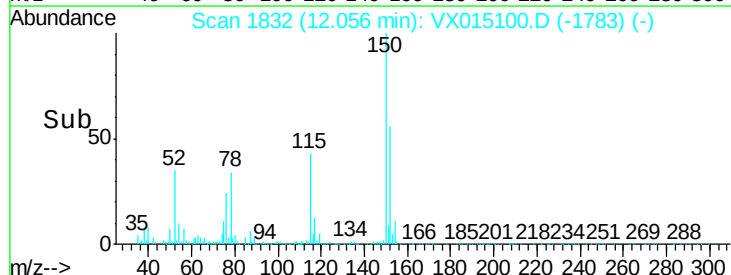
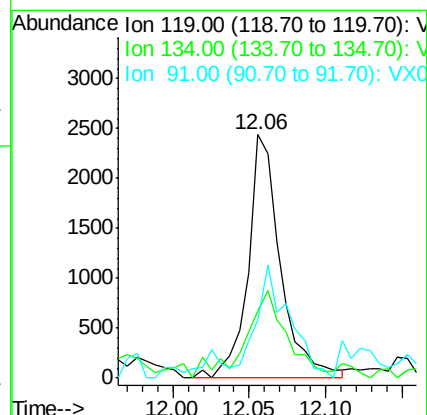
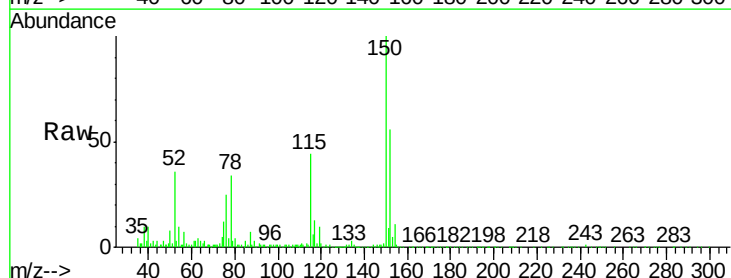
Tgt Ion:119 Resp: 3594

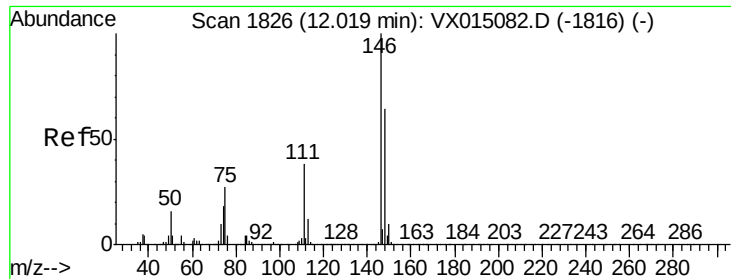
Ion Ratio Lower Upper

119 100

134 46.8 13.4 40.1#

91 47.7 11.3 33.8#





#87

1,3-Dichlorobenzene

Concen: 0.408 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

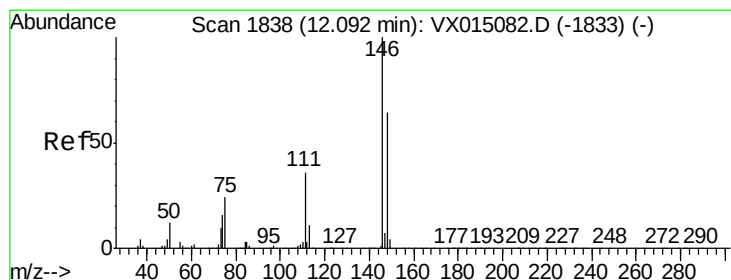
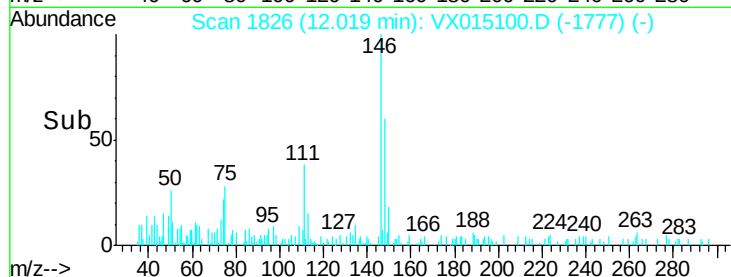
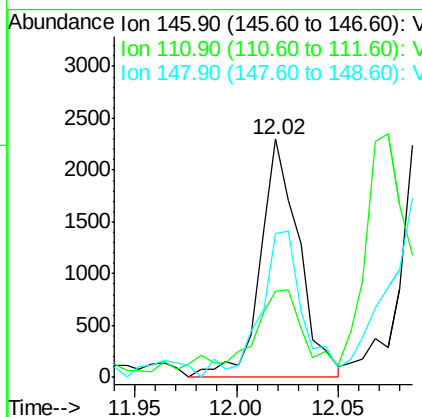
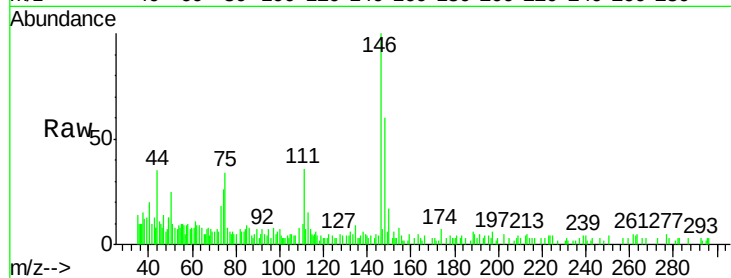
Instrument :
MSVOA_X

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.1
148	67.3	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 0.513 ug/l m

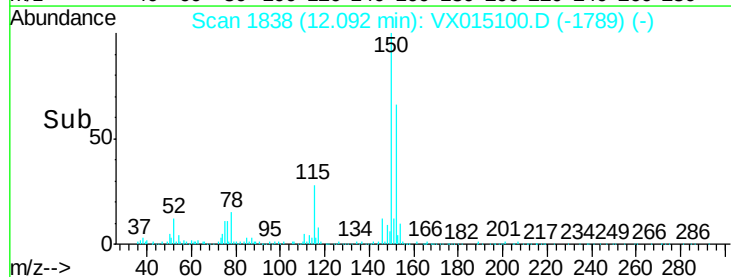
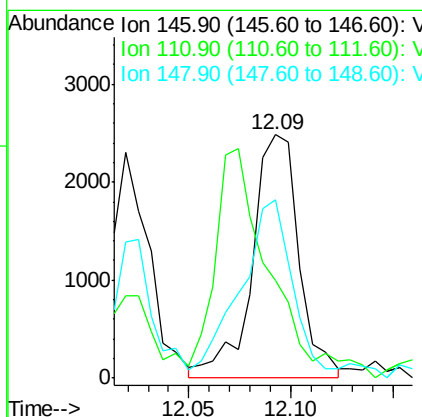
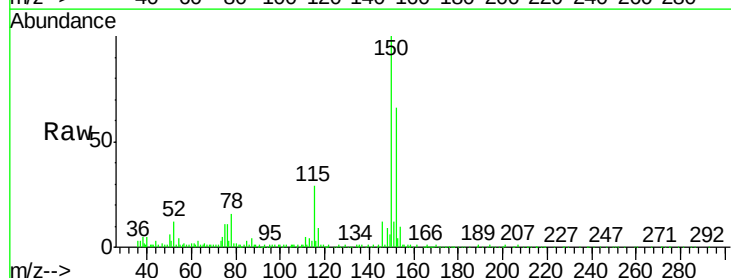
RT: 12.09 min Scan# 1838

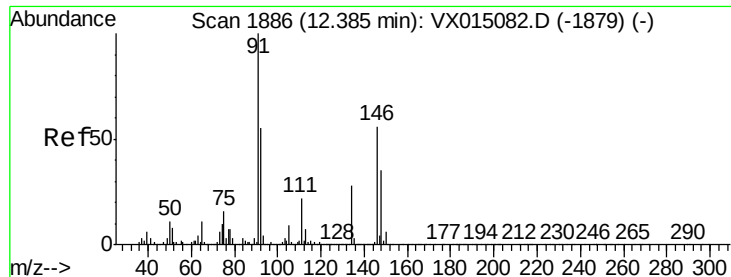
Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.8	18.7	56.1
148	51.8	32.5	97.4





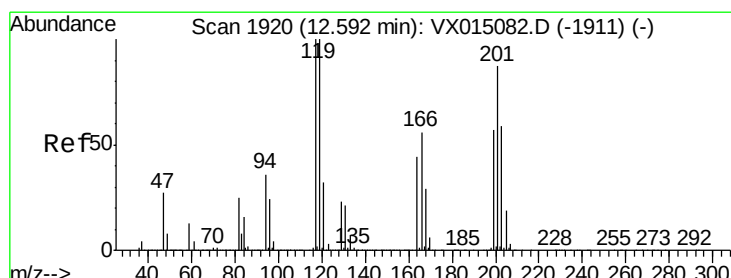
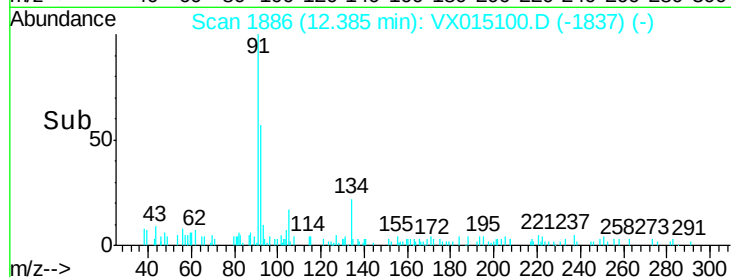
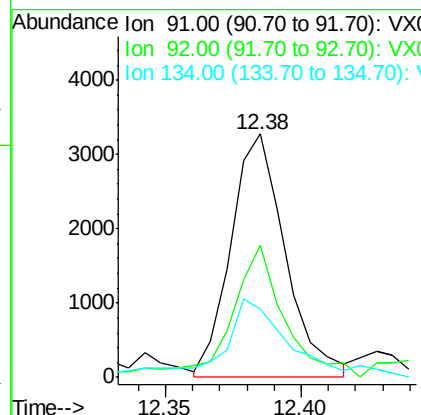
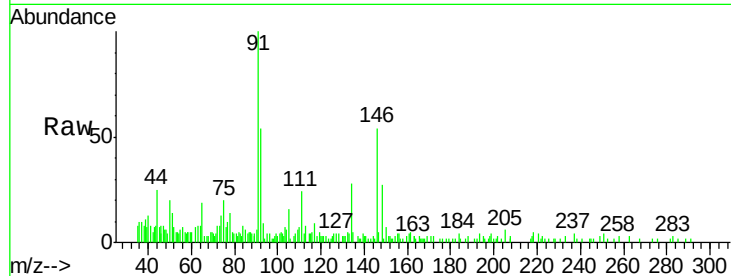
#89
n-Butylbenzene
Concen: 0.376 ug/l m
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	7.1	27.2	81.6#
134	2.2	13.5	40.5#

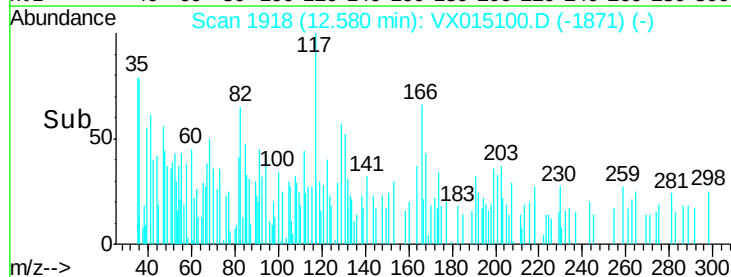
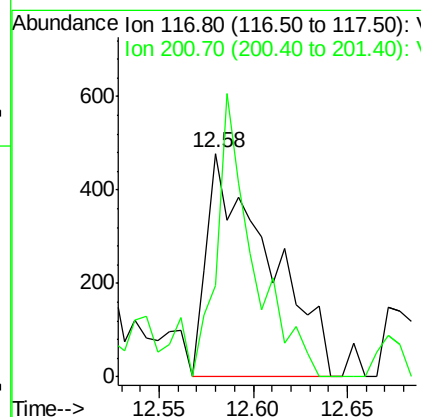
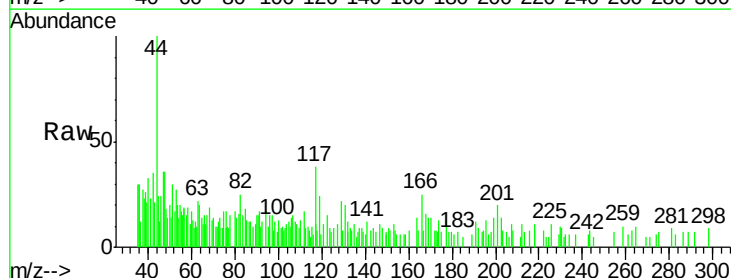
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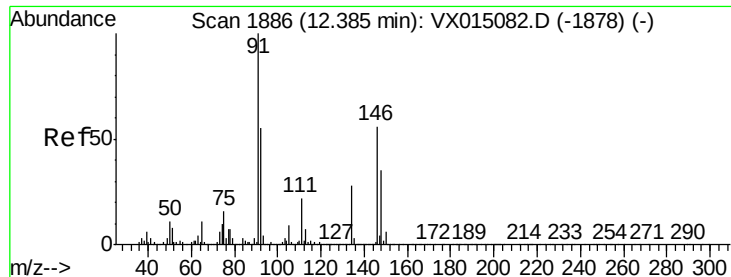
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#90
Hexachloroethane
Concen: 0.424 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	43.5	130.7





#91

1,2-Dichlorobenzene

Concen: 0.351 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Instrument :

MSVOA_X

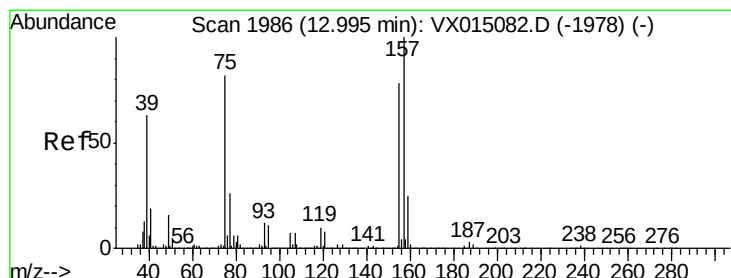
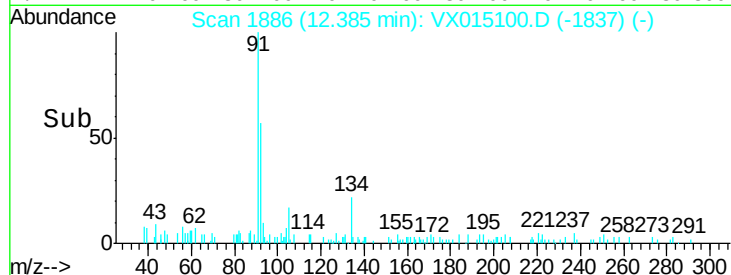
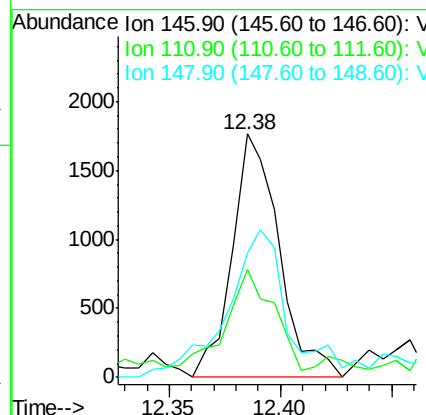
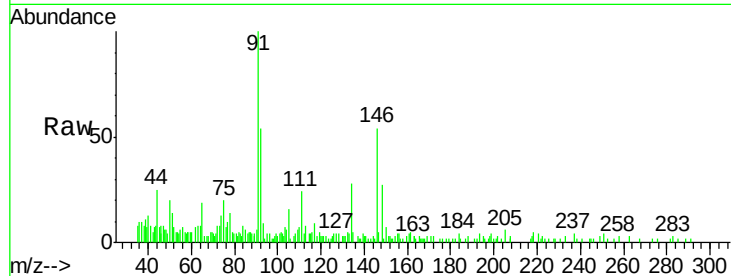
ClientSampleId :

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

Tot Ion:	146	Resp:	2595
Ion Ratio	Lower	Upper	
146	100		
111	49.9	19.9	59.7
148	80.4	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.688 ug/l

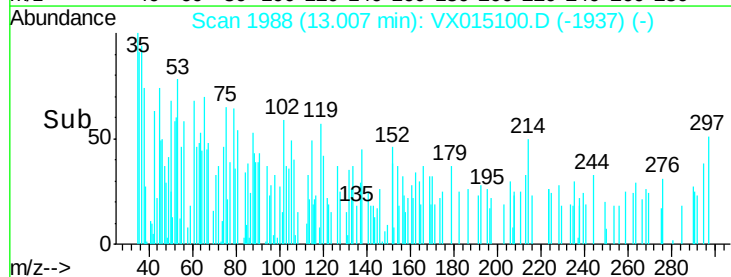
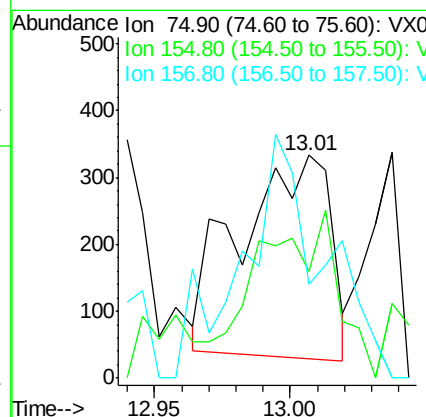
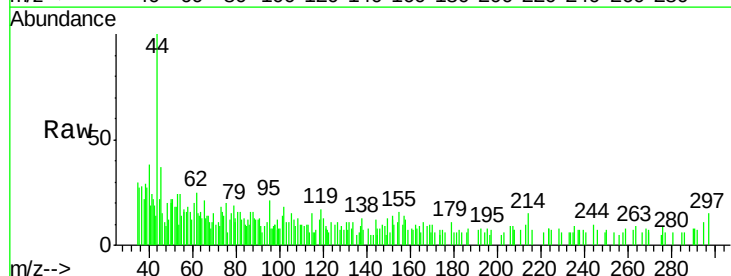
RT: 13.01 min Scan# 1988

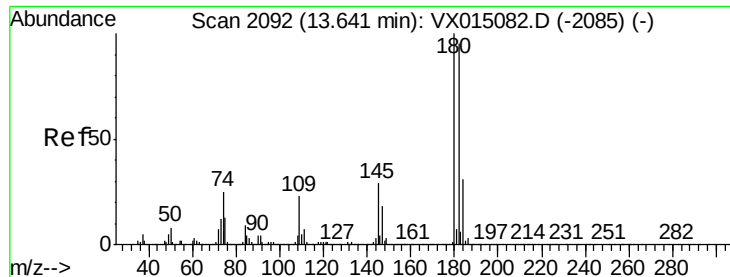
Delta R.T. 0.01 min

Lab File: VX015100.D

Acq: 05 Mar 2020 10:40

Tgt Ion:	75	Resp:	698
Ion Ratio	Lower	Upper	
75	100		
155	71.2	46.6	139.7
157	107.9	59.2	177.5





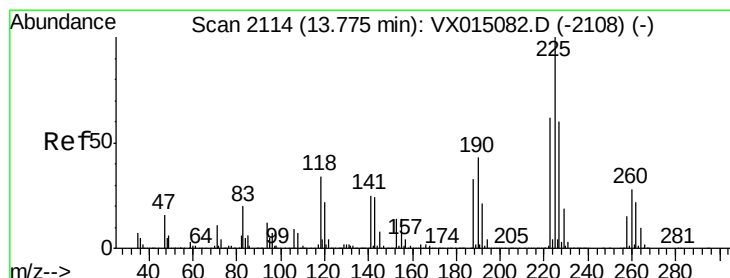
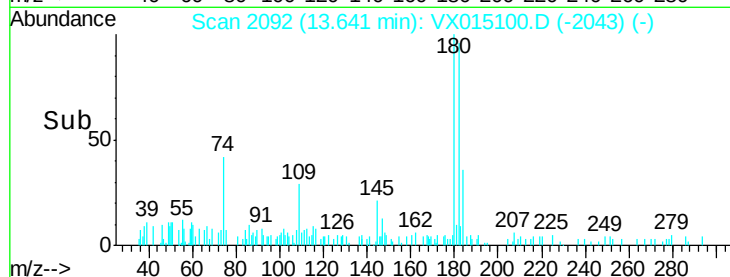
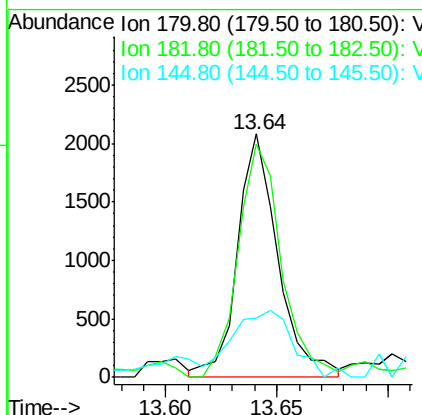
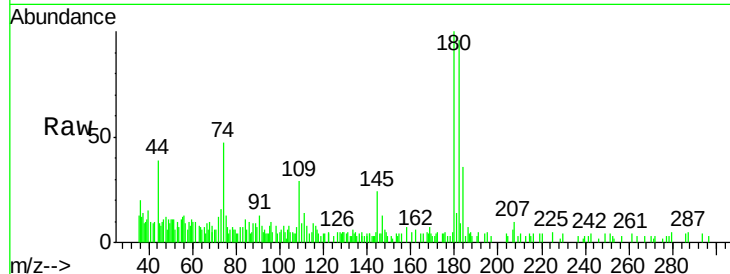
#93
 1,2,4-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	2630		
182	103.3	47.6	142.8	
145	41.4	14.1	42.2	

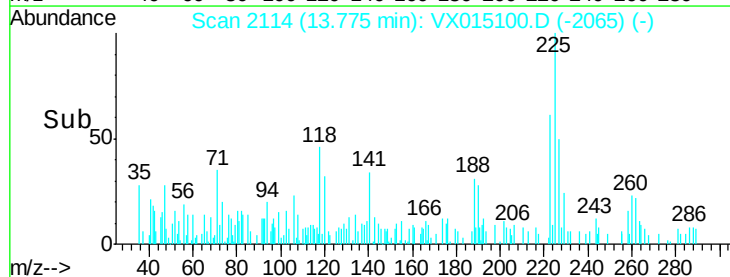
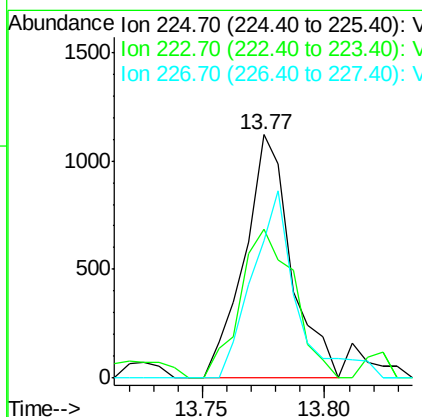
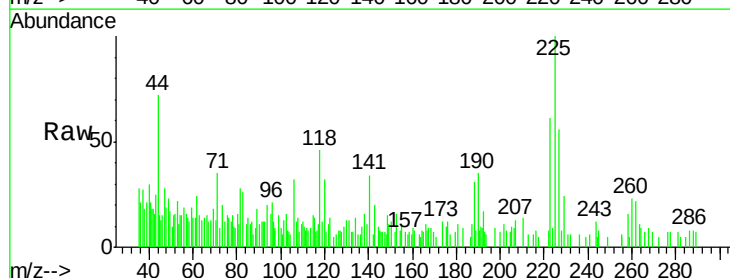
Manual Integrations
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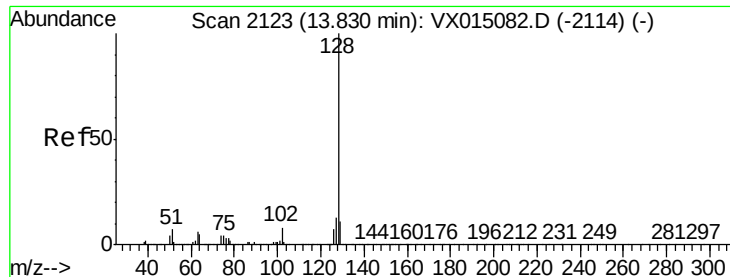
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#94
 Hexachlorobutadiene
 Concen: 0.566 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015100.D
 Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1493		
223	70.3	31.3	93.9	
227	72.7	31.1	93.2	





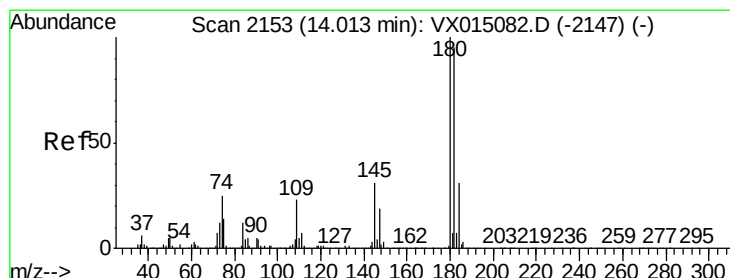
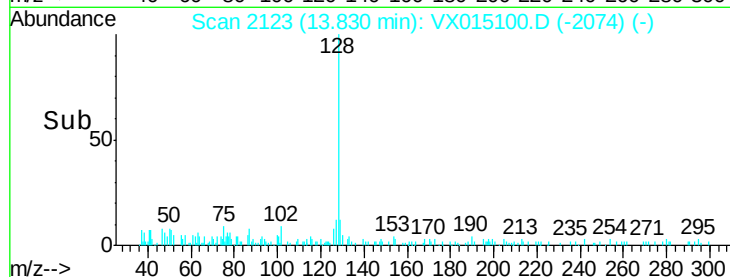
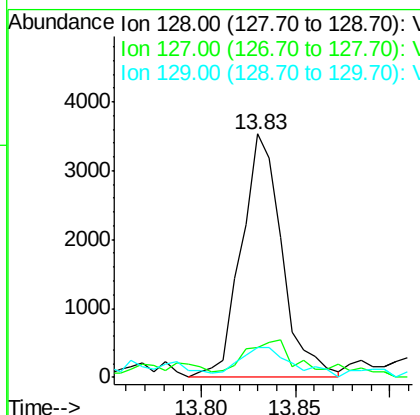
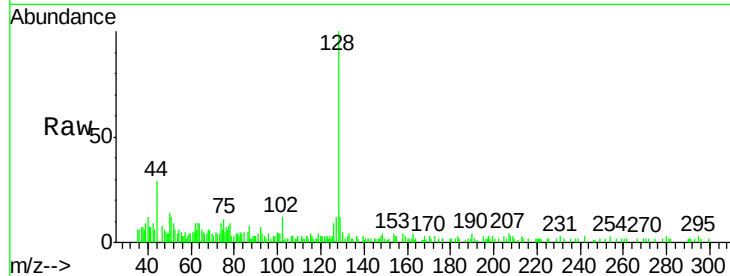
#95
Naphthalene
Concen: 0.376 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	16.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 4:49:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.515 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015100.D
Acq: 05 Mar 2020 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.8	143.4
145	50.5	15.1	45.3

