

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015237.D
 Acq On : 12 Mar 2020 16:29
 Operator : JC/SP
 Sample : L1161-08 5PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:47 AM

Quant Time: Mar 13 04:12:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	45250	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.85	114	244127	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	224503	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	91165	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	11.13	95	103531	28.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.57%
63) Toluene-d8	8.71	98	296358	30.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	11743	5.160	ug/l 97
3) Chloromethane	1.32	50	17028	5.183	ug/l 100
4) Vinyl Chloride	1.40	62	17946	5.368	ug/l 94
5) Bromomethane	1.64	94	12469	5.724	ug/l 93
6) Chloroethane	1.72	64	11063	5.268	ug/l 98
7) Trichlorofluoromethane	1.92	101	22115	5.188	ug/l 94
8) Diethyl Ether	2.18	74	9989	5.287	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14228	5.443	ug/l 98
10) 1,1-Dichloroethene	2.37	96	13404	5.086	ug/l 94
11) Methyl Iodide	2.50	142	9461	3.490	ug/l 98
12) Methyl Acetate	2.76	43	17985m	5.532	ug/l
13) Acrolein	2.28	56	14526	28.294	ug/l 96
14) Acrylonitrile	3.13	53	38638	25.612	ug/l 99
15) Acetone	2.44	58	10489	23.696	ug/l 94
16) Carbon Disulfide	2.56	76	38570	5.226	ug/l 100
17) Allyl chloride	2.72	41	23901	4.888	ug/l 96
18) Methylene Chloride	2.85	84	15673	5.262	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	14973	5.267	ug/l 96
20) Diisopropyl ether	3.84	45	51104	5.262	ug/l # 81
21) 1,1-Dichloroethane	3.69	63	27040	5.254	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	17208	5.355	ug/l 95
23) tert-Butyl Alcohol	3.03	59	18937	32.107	ug/l # 98
24) Methyl tert-Butyl Ether	3.18	73	42577	5.000	ug/l 99
25) Chloroform	5.20	83	24142	4.932	ug/l 97
26) Cyclohexane	5.57	56	22259	4.654	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	18363	4.902	ug/l 99
30) 2-Butanone	4.66	43	52012	25.926	ug/l 99
31) 2,2-Dichloropropane	4.58	77	19978	5.191	ug/l 93
32) 1,1,1-Trichloroethane	5.48	97	20120	4.935	ug/l # 87
33) Carbon Tetrachloride	5.78	117	17571m	5.036	ug/l
34) Benzene	6.14	78	57231	5.042	ug/l 97
35) Methacrylonitrile	5.03	41	9943	4.584	ug/l 90
36) 1,2-Dichloroethane	6.18	62	20903m	5.520	ug/l
37) Trichloroethene	7.21	130	15503	4.938	ug/l 87
38) Methylcyclohexane	7.46	83	21963	4.825	ug/l 98
39) 1,2-Dichloropropane	7.51	63	15293	5.215	ug/l 99
40) Dibromomethane	7.65	93	10141	5.441	ug/l 94

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Manual Integrations
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MMDadoda
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Quant Time: Mar 13 04:12:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	17921	4.861	ug/l	93
42) Vinyl Acetate	3.80	43	202280	25.568	ug/l	99
43) Ethyl Acetate	4.83	43	20421m	5.365	ug/l	
44) Isopropyl Acetate	6.43	43	31767	4.934	ug/l	99
45) 1,4-Dioxane	7.75	88	6835	108.089	ug/l	99
46) Methyl methacrylate	7.76	41	14187	4.469	ug/l	96
47) n-amyl Acetate	10.89	43	24020	4.158	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	19315	4.819	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	20848	4.580	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	13645	4.951	ug/l	97
51) Ethyl methacrylate	9.17	69	19585	4.554	ug/l	99
52) 1,3-Dichloropropane	9.37	76	23784	5.099	ug/l	95
53) Dibromochloromethane	9.57	129	13549	4.616	ug/l	95
54) 1,2-Dibromoethane	9.67	107	14551	5.118	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	52035	24.160	ug/l	99
56) Bromoform	10.85	173	9889	4.297	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	95298	24.934	ug/l	99
59) 2-Hexanone	9.48	43	68582	23.741	ug/l	99
61) Tetrachloroethene	9.33	164	16605	5.313	ug/l	95
62) Toluene	8.78	91	60649	5.105	ug/l	99
64) Chlorobenzene	10.14	112	38360	5.053	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	13601	4.864	ug/l	95
66) Ethyl Benzene	10.25	91	63565	4.803	ug/l	96
67) m/p-Xylenes	10.35	106	48372	9.522	ug/l	100
68) o-Xylene	10.70	106	22996	4.721	ug/l	97
69) Styrene	10.71	104	38904	4.590	ug/l	98
70) Isopropylbenzene	11.01	105	62341	4.809	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	20262	4.815	ug/l	94
72) 1,2,3-Trichloropropane	11.29	75	22157	6.432	ug/l	84
73) Bromobenzene	11.25	156	17679	5.000	ug/l	97
74) n-propylbenzene	11.35	91	70228	4.585	ug/l	99
75) 2-Chlorotoluene	11.42	91	42391	4.741	ug/l	97
76) 1,3,5-Trimethylbenzene	11.50	105	50669	4.579	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	5324	3.691	ug/l	94
78) 4-Chlorotoluene	11.51	91	47733	4.637	ug/l	100
79) tert-butylbenzene	11.76	119	48890	4.712	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	50657	4.630	ug/l	100
81) sec-Butylbenzene	11.94	105	58871	4.572	ug/l	99
82) p-Isopropyltoluene	12.06	119	53195	4.492	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	29849	4.778	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	30184	4.831	ug/l	97
85) n-Butylbenzene	12.39	91	45755	4.409	ug/l	99
86) Hexachloroethane	12.59	117	9527	4.596	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	29876	4.905	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	4210	4.859	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	20176	4.481	ug/l	98
90) Hexachlorobutadiene	13.78	225	11529	4.977	ug/l	97
91) Naphthalene	13.83	128	53406	4.282	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	20219	4.462	ug/l	97

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT1-2020

Manual Integrations
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3/16/2020 11:43:47 AM

Quant Time: Mar 13 04:12:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
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QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

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

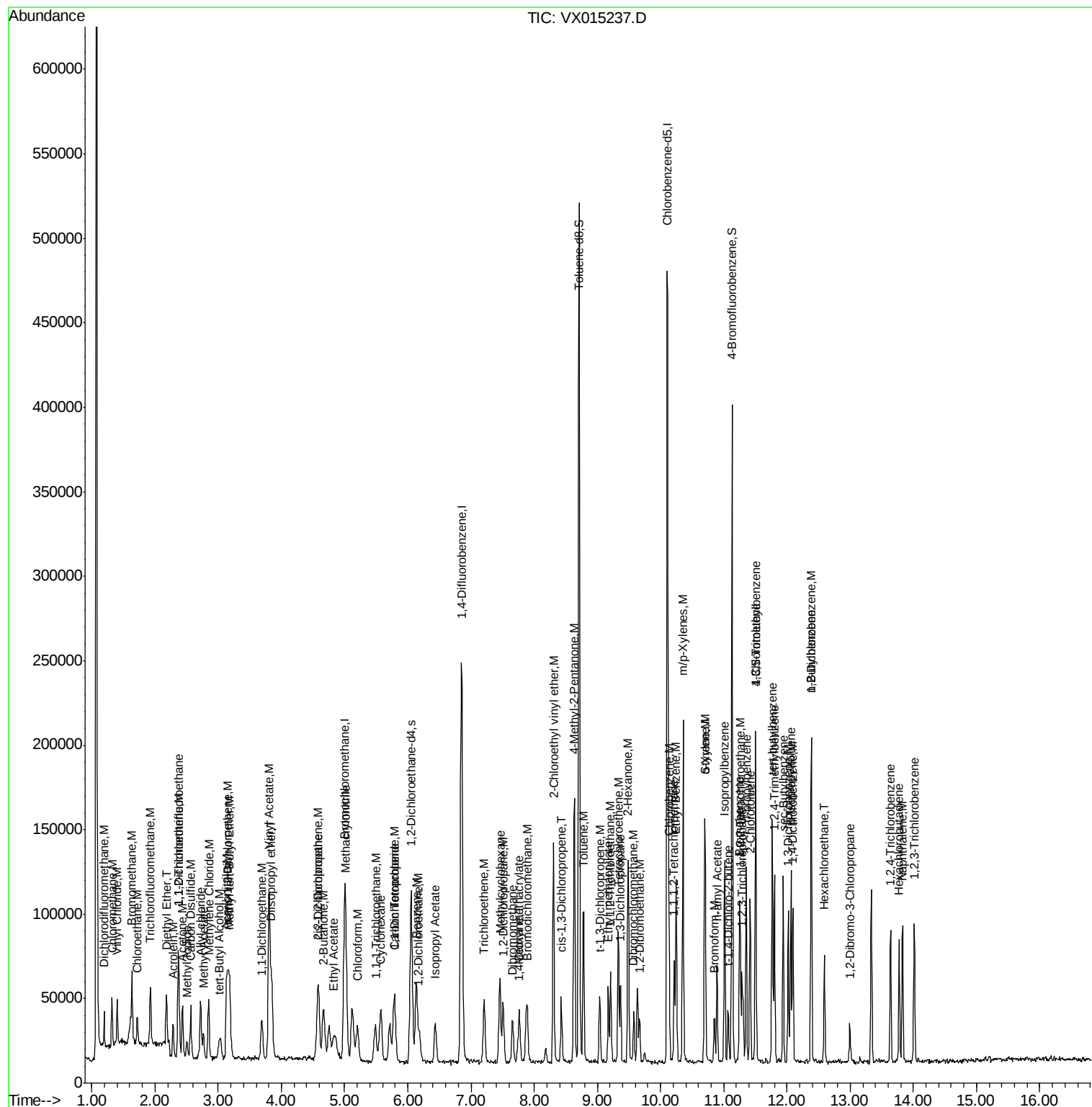
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Data File : VX015237.D
Acq On : 12 Mar 2020 16:29
Operator : JC/SP
Sample : L1161-08 5PPB L00
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

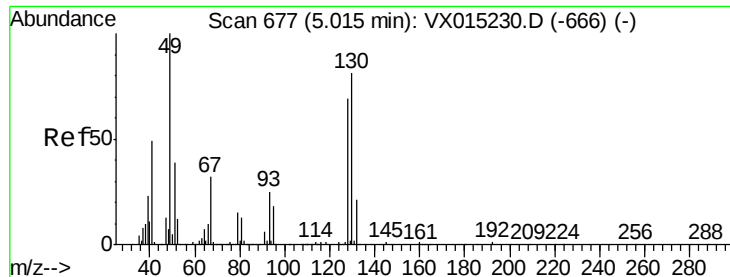
Instrument :
MSVOA_X
ClientSampleId :
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#1

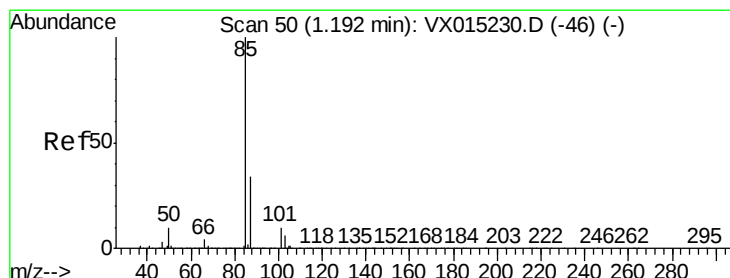
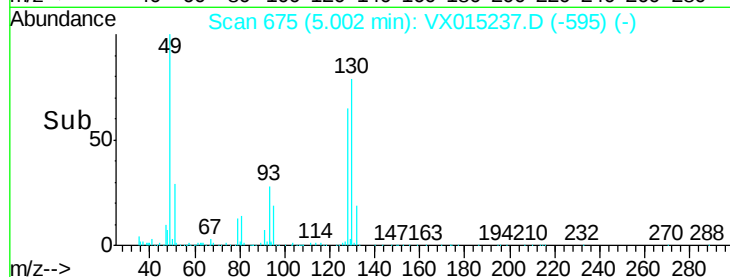
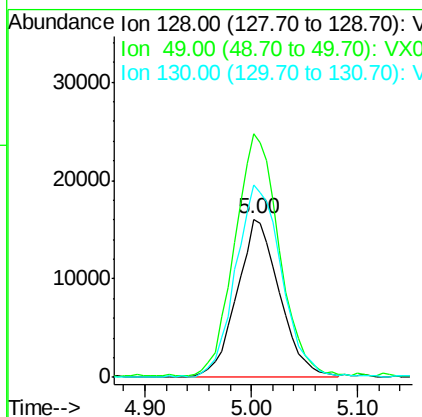
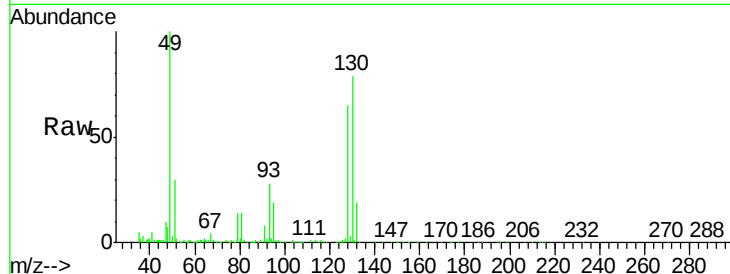
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
49	158.0	0.0	406.8
130	130.1	0.0	319.3

Manual Integrations
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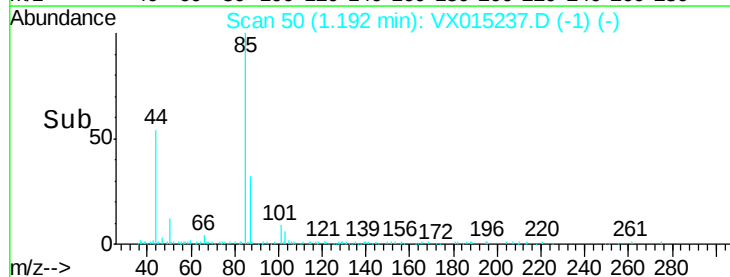
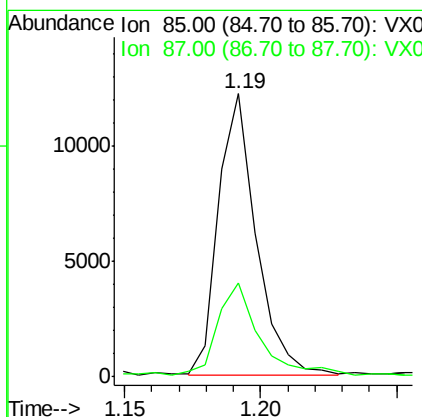
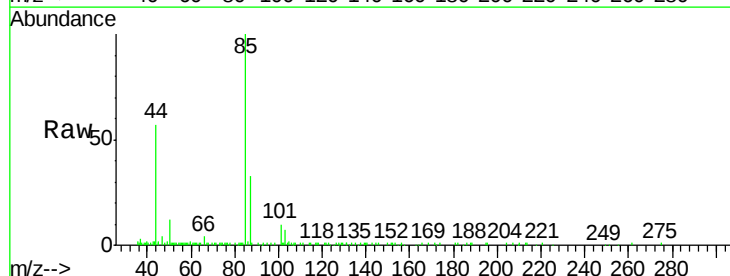
MMDadoda
 3/16/2020 11:43:47 AM

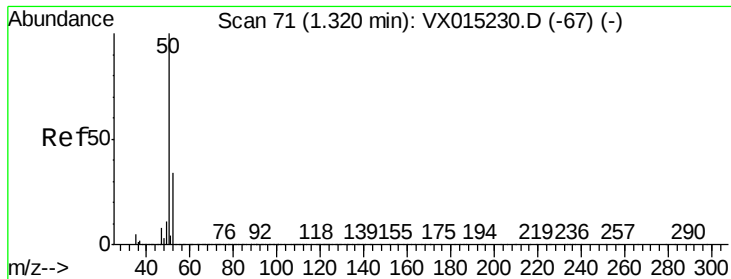


#2

Dichlorodifluoromethane
 Concen: 5.160 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.7	50.1





#3

Chloromethane

Concen: 5.183 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 17028

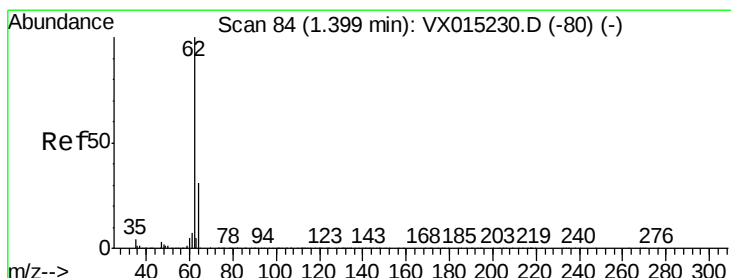
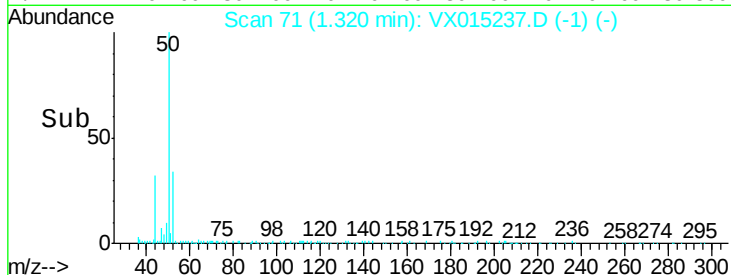
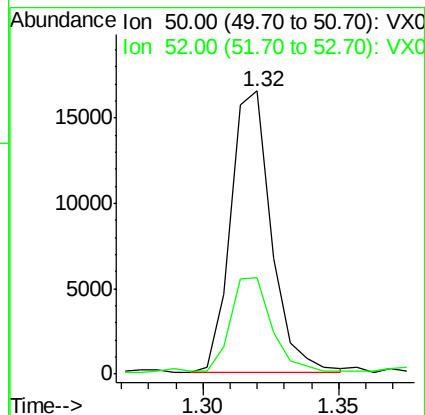
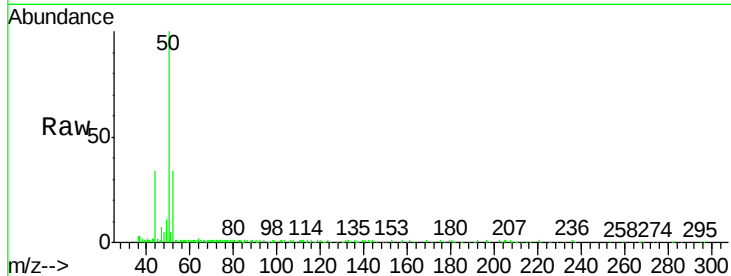
Ion Ratio Lower Upper

50 100

52 33.4 26.9 40.3

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#4

Vinyl Chloride

Concen: 5.368 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015237.D

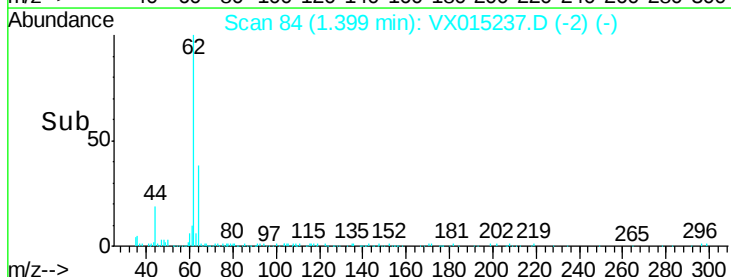
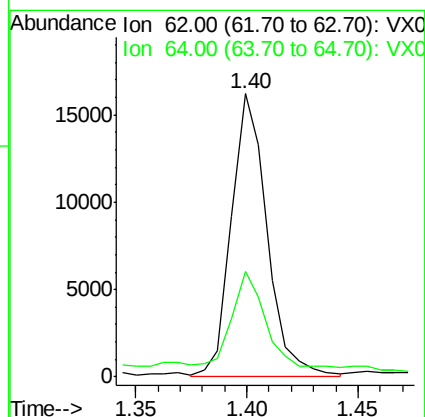
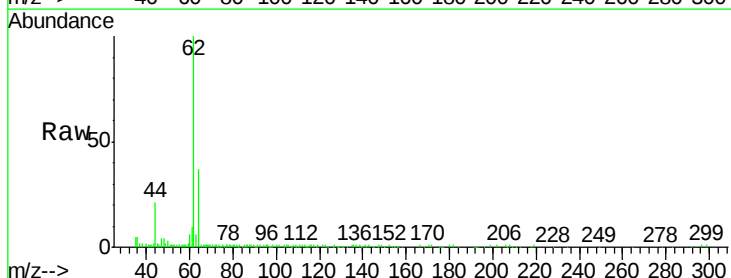
Acq: 12 Mar 2020 16:29

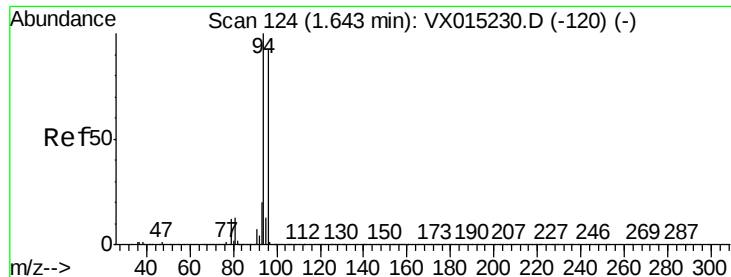
Tgt Ion: 62 Resp: 17946

Ion Ratio Lower Upper

62 100

64 34.2 24.9 37.3





#5

Bromomethane

Concen: 5.724 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 12469

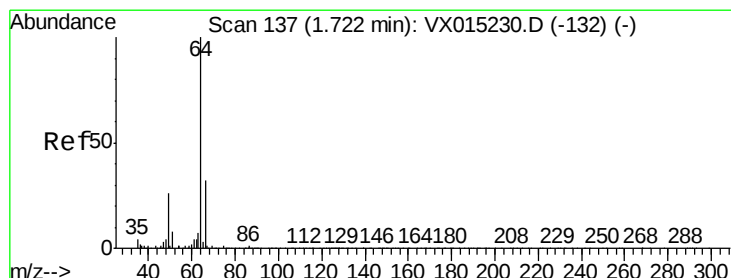
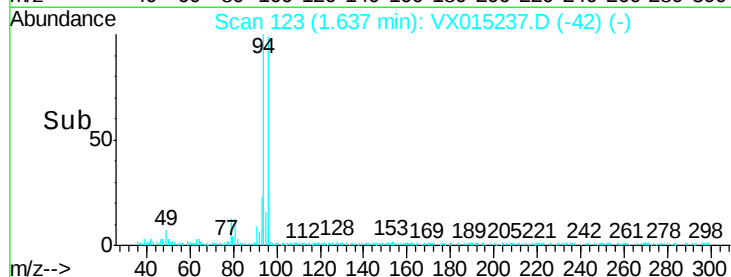
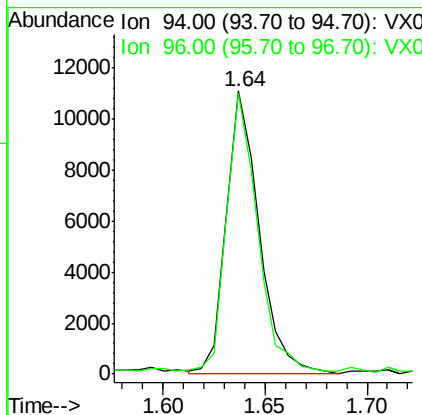
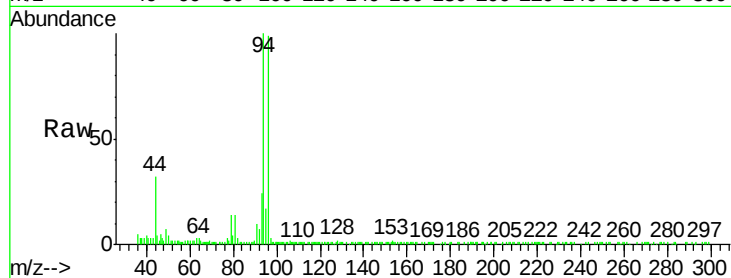
Ion Ratio Lower Upper

94 100

96 97.9 73.0 109.4

Manual Integrations
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#6

Chloroethane

Concen: 5.268 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015237.D

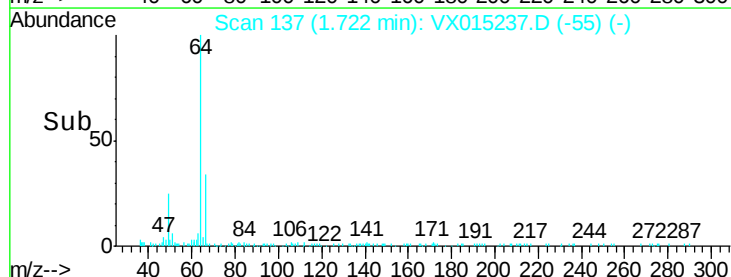
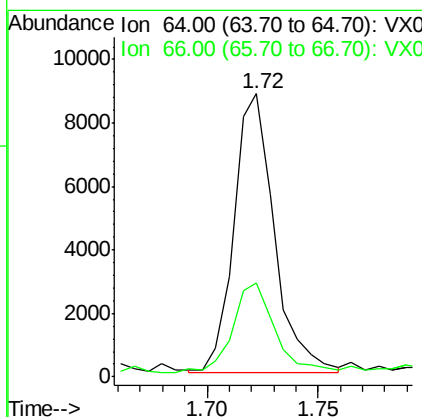
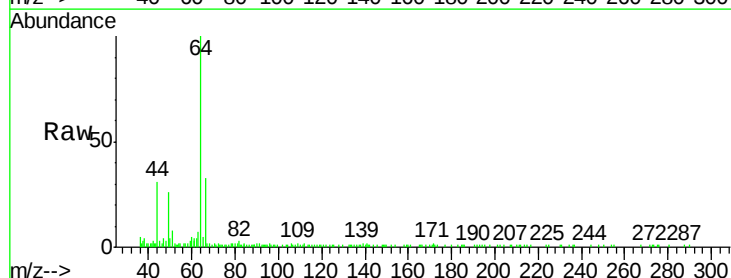
Acq: 12 Mar 2020 16:29

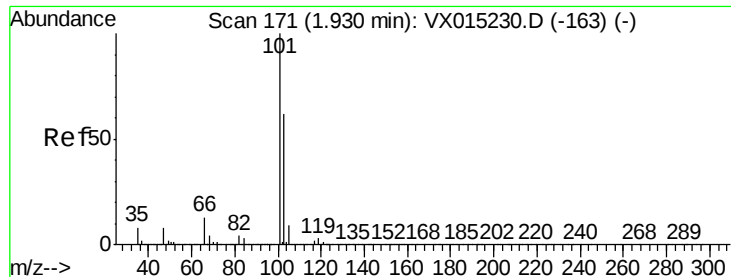
Tgt Ion: 64 Resp: 11063

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9





#7

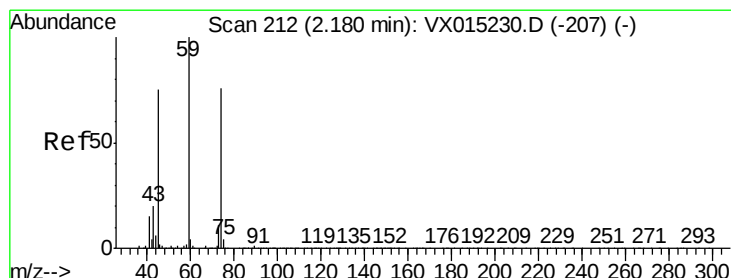
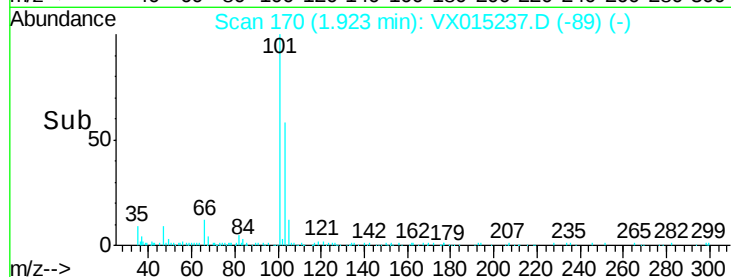
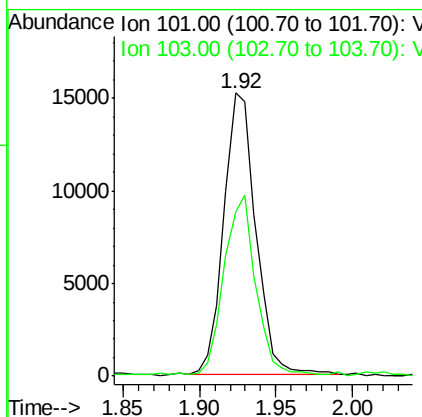
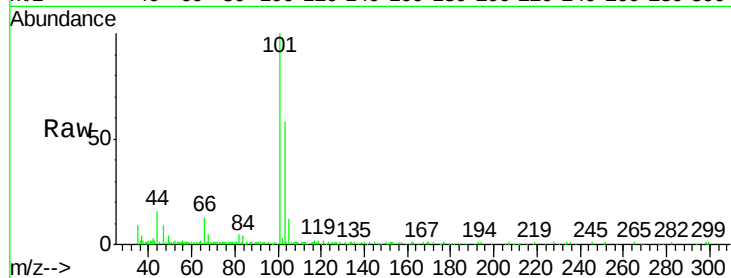
Trichlorofluoromethane
Concen: 5.188 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.0	49.9	74.9

Manual Integrations
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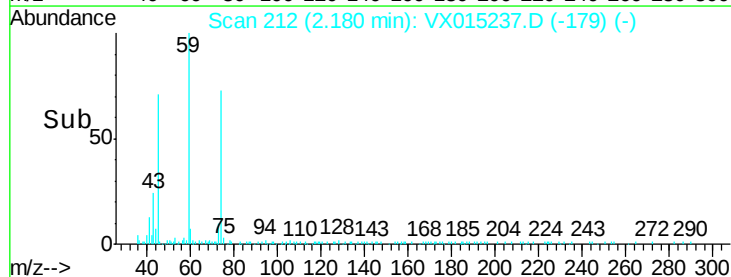
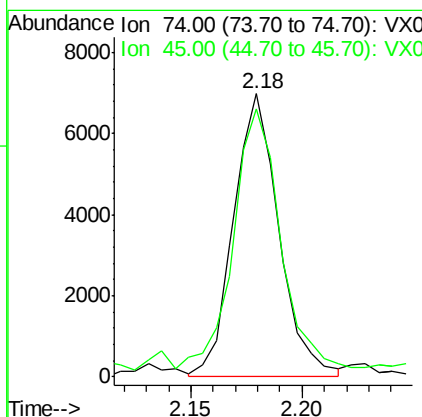
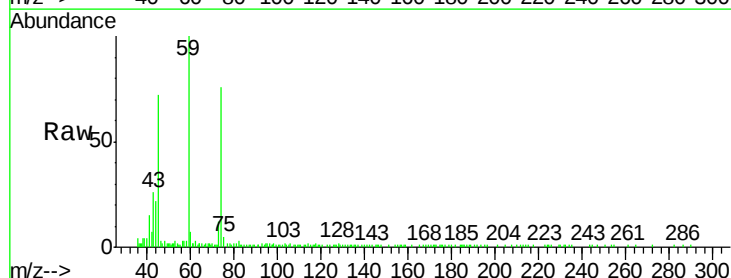
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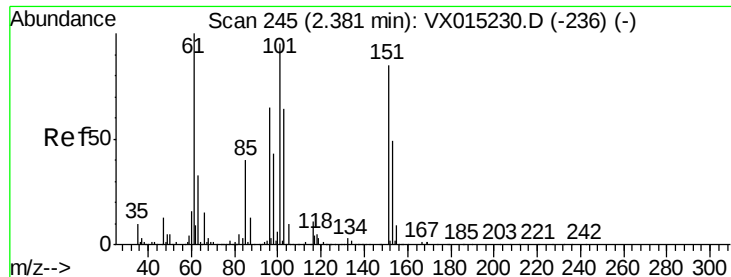


#8

Diethyl Ether
Concen: 5.287 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	20.3	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.443 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

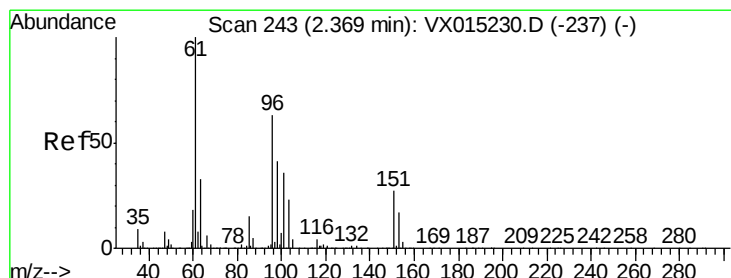
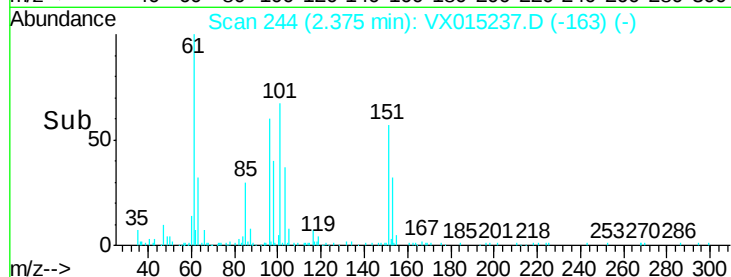
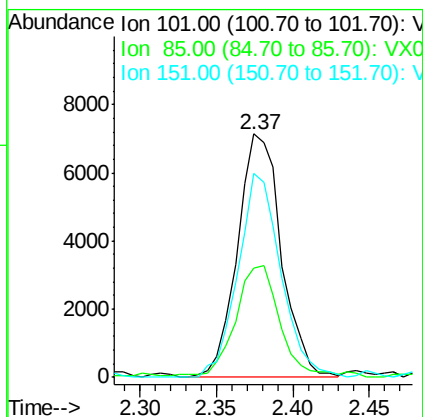
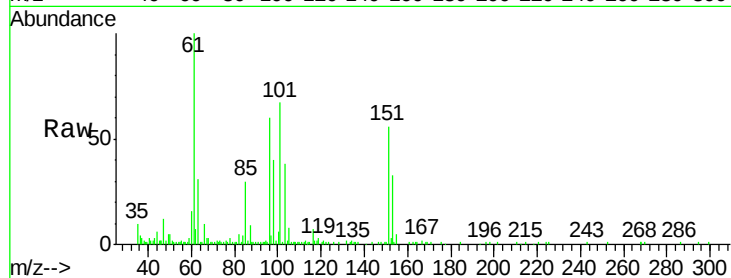
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	101	Resp:	14228
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	82.0
151	81.6	0.0	165.0

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3/16/2020 11:43:47 AM



#10

1,1-Dichloroethene

Concen: 5.086 ug/l

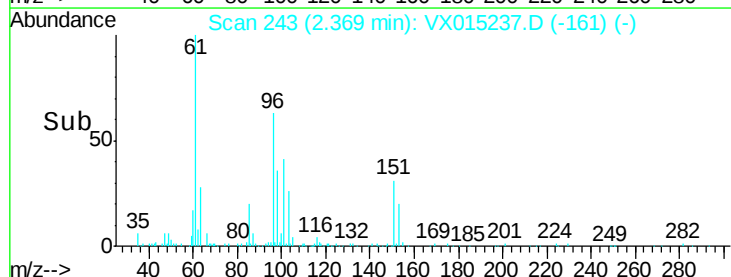
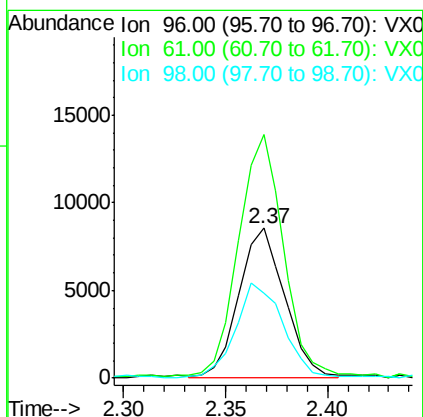
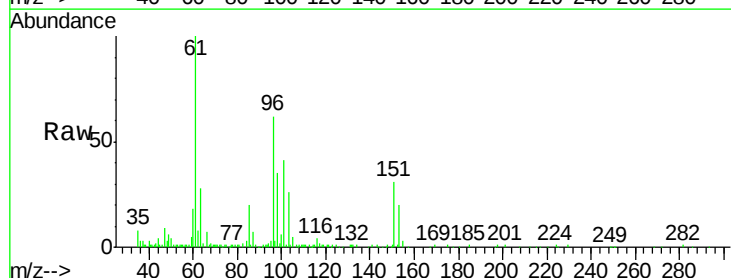
RT: 2.37 min Scan# 243

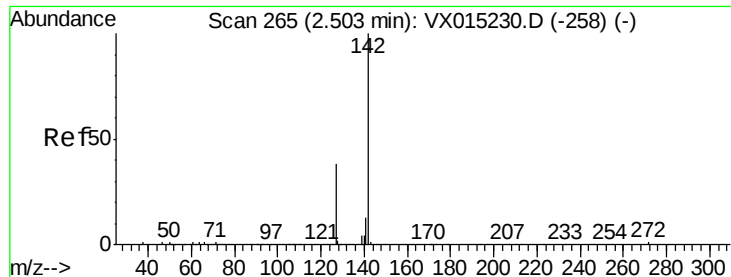
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	96	Resp:	13404
Ion Ratio	Lower	Upper	
96	100		
61	162.4	126.2	189.2
98	57.0	52.1	78.1





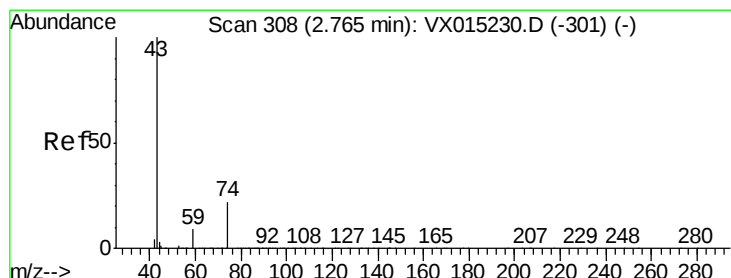
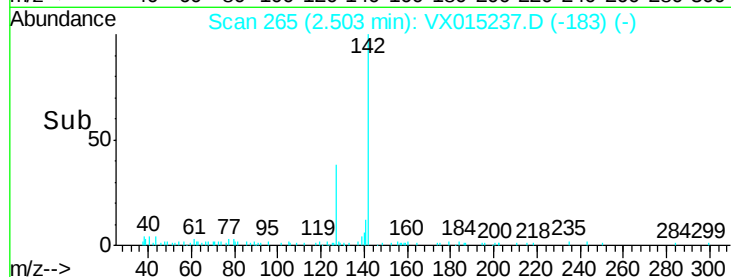
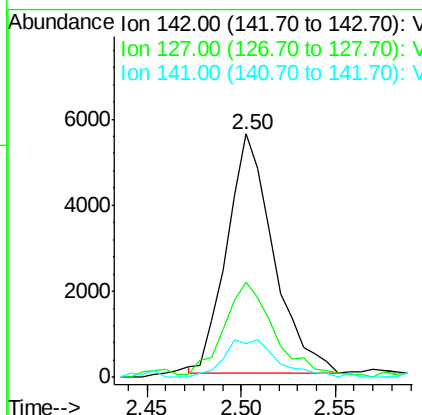
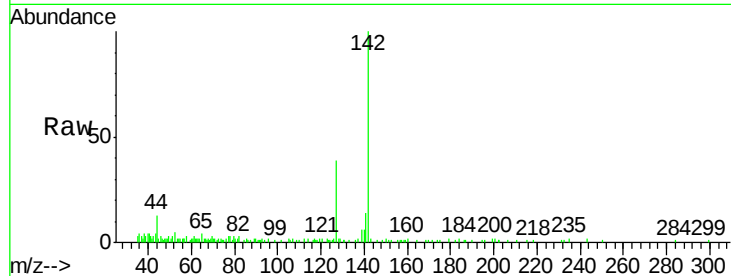
#11
Methvl Iodide
Concen: 3.490 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	18.9	56.9
141	14.5	6.6	19.7

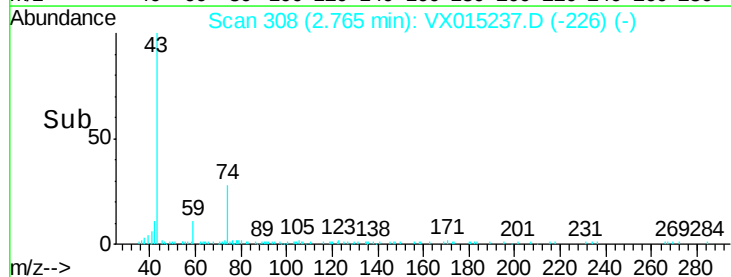
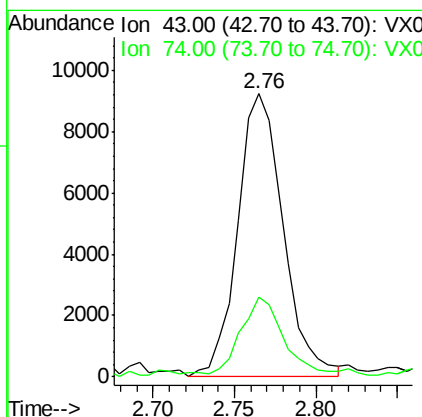
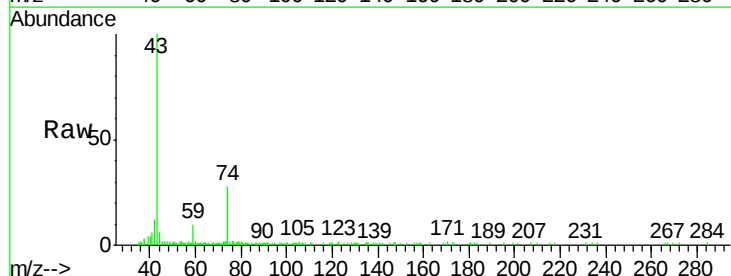
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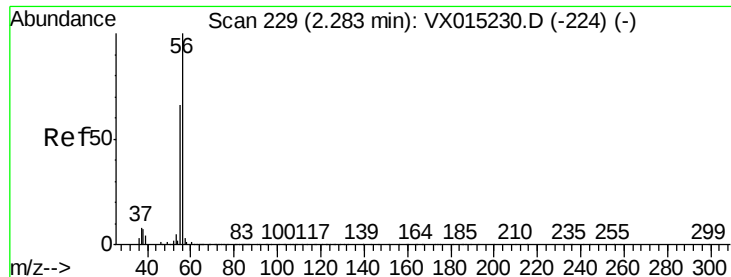
MMDadoda
3/16/2020 11:43:47 AM



#12
Methyl Acetate
Concen: 5.532 ug/l m
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	18.0	27.0#





#13

Acrolein

Concen: 28.294 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 14526

Ion Ratio Lower Upper

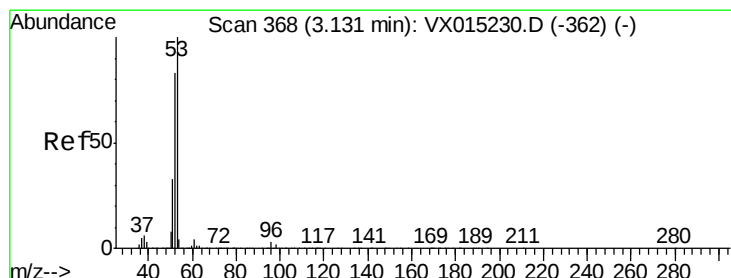
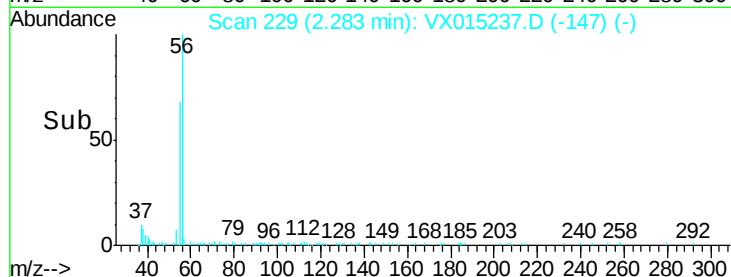
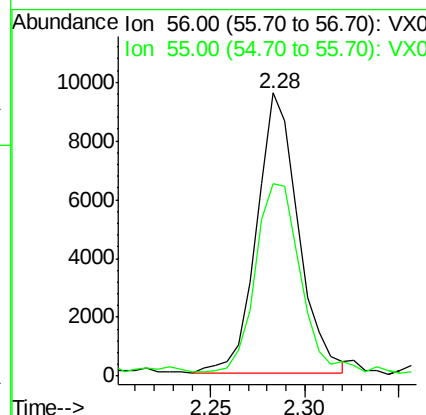
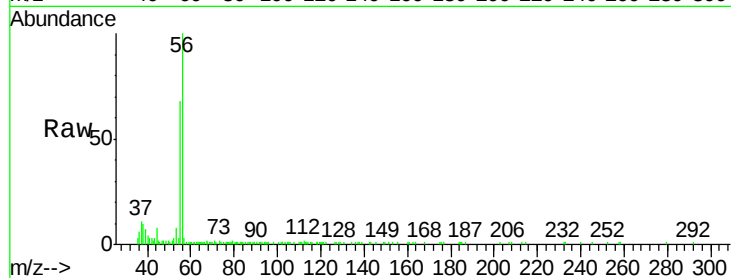
56 100

55 72.1 55.1 82.7

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#14

Acrylonitrile

Concen: 25.612 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

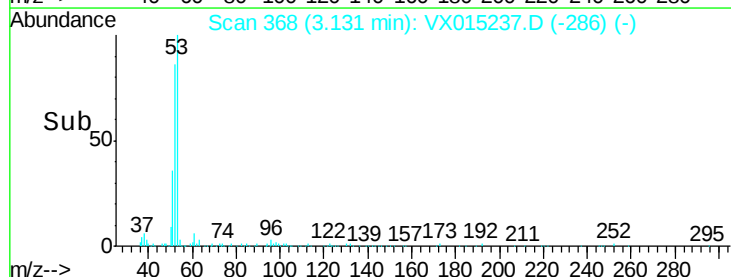
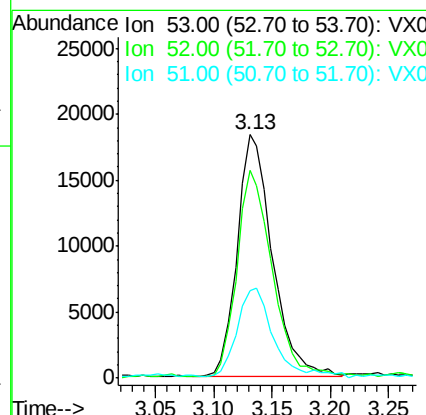
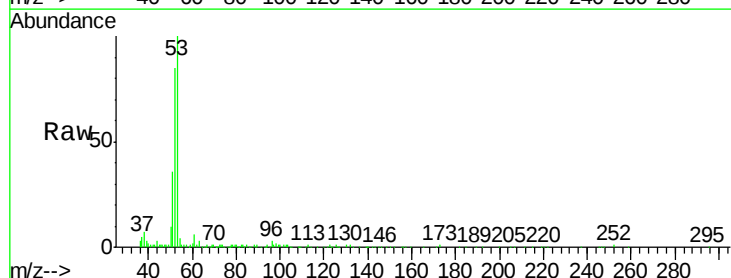
Tgt Ion: 53 Resp: 38638

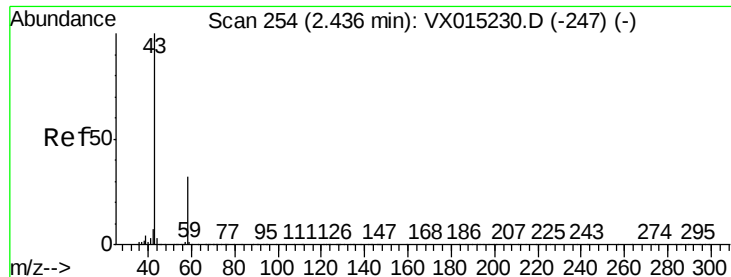
Ion Ratio Lower Upper

53 100

52 84.5 41.5 124.5

51 35.3 17.7 53.1





#15

Acetone

Concen: 23.696 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 58 Resp: 10489

Ion Ratio Lower Upper

58 100

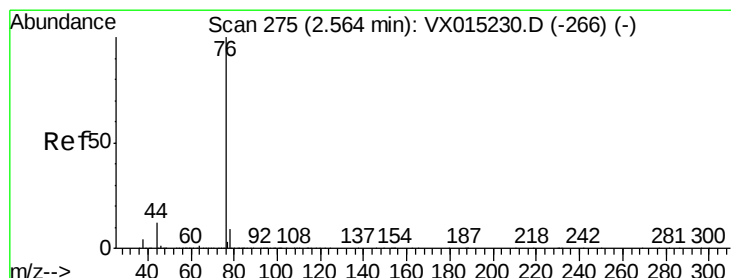
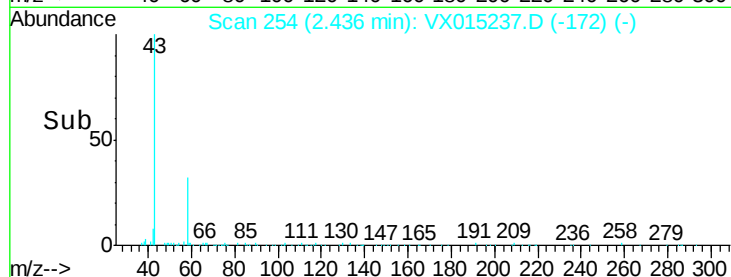
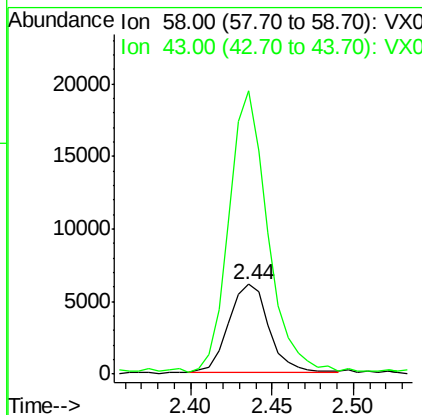
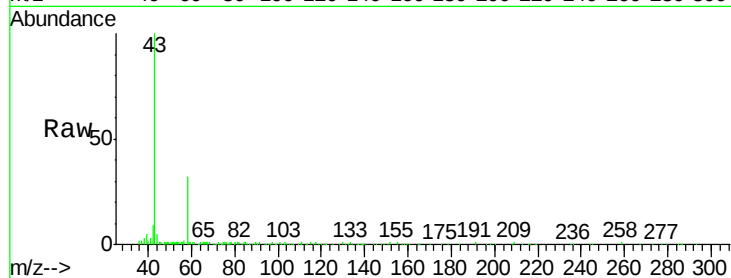
43 323.6 248.7 373.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 5.226 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015237.D

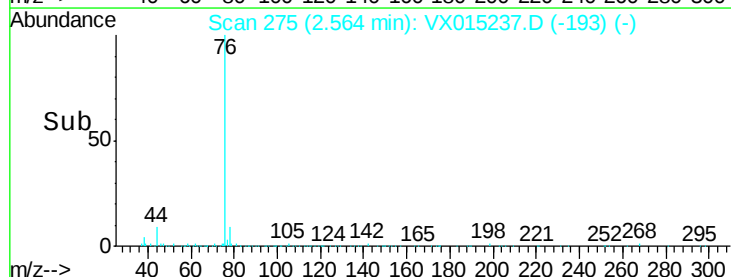
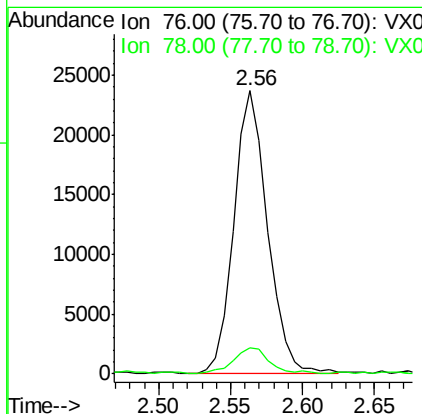
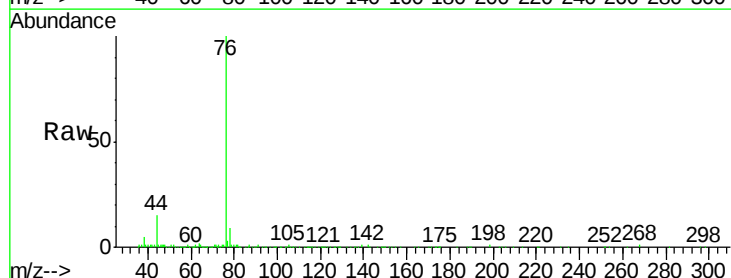
Acq: 12 Mar 2020 16:29

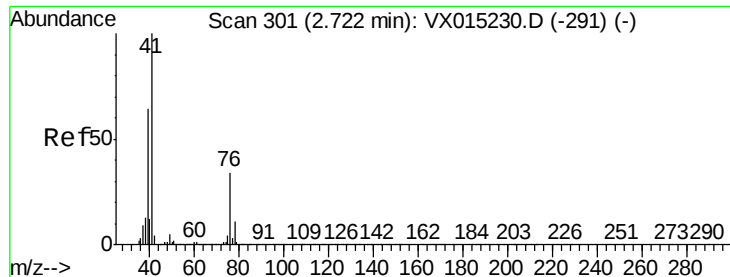
Tgt Ion: 76 Resp: 38570

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl chloride

Concen: 4.888 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

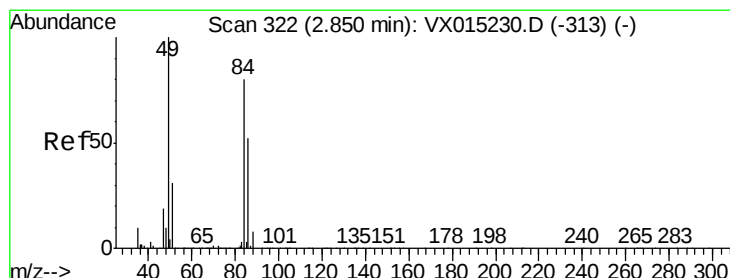
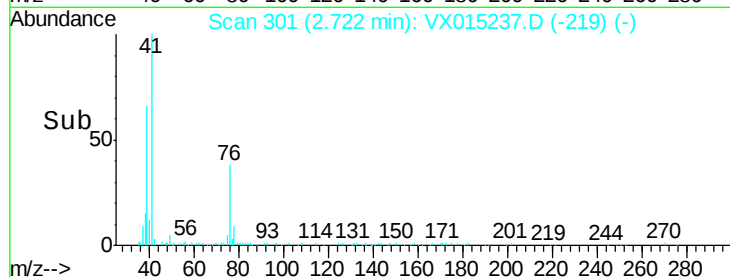
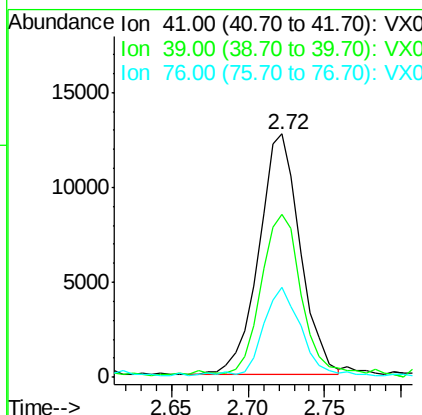
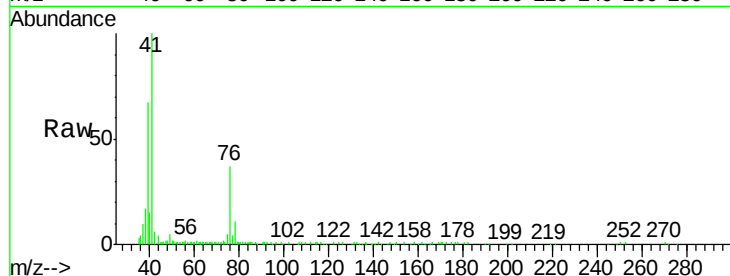
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	41	Resp:	23901
Ion Ratio	Lower	Upper	
41	100		
39	67.2	32.1	96.5
76	36.9	17.2	51.5

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#18

Methylene Chloride

Concen: 5.262 ug/l

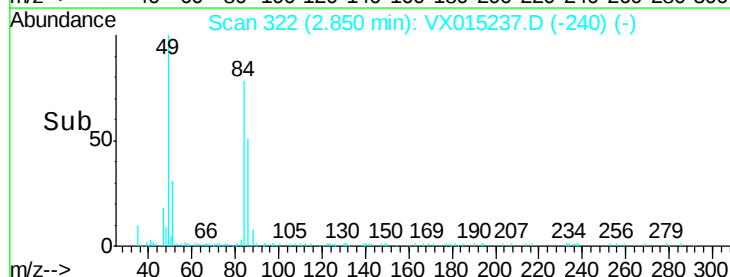
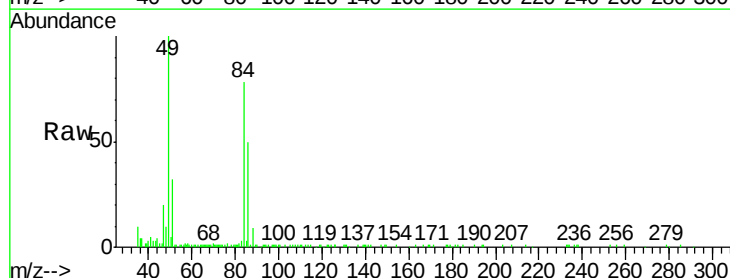
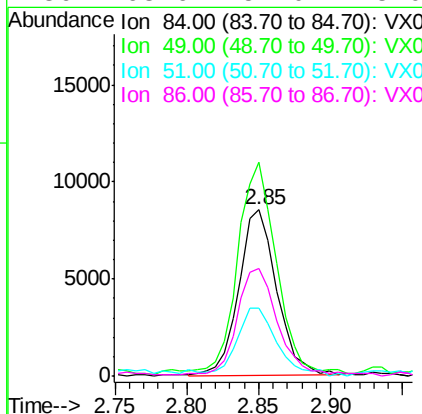
RT: 2.85 min Scan# 322

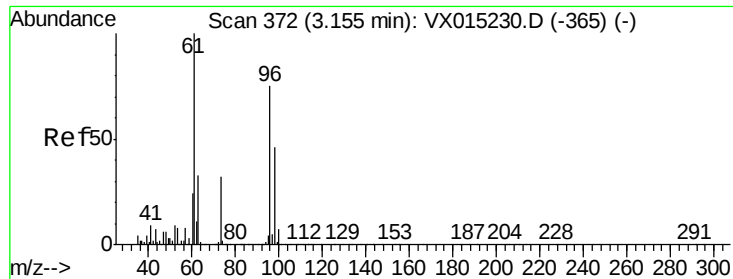
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	84	Resp:	15673
Ion Ratio	Lower	Upper	
84	100		
49	126.3	99.5	149.3
51	39.3	31.0	46.6
86	63.6	52.0	78.0





#19

trans-1,2-Dichloroethene

Concen: 5.267 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

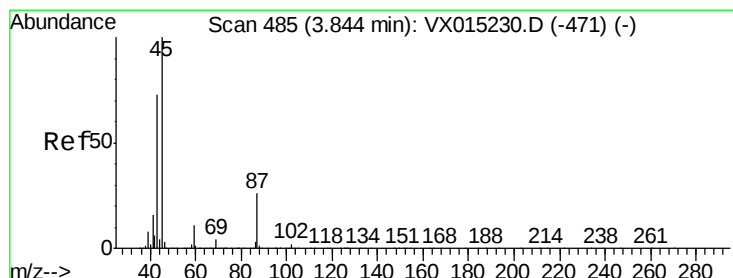
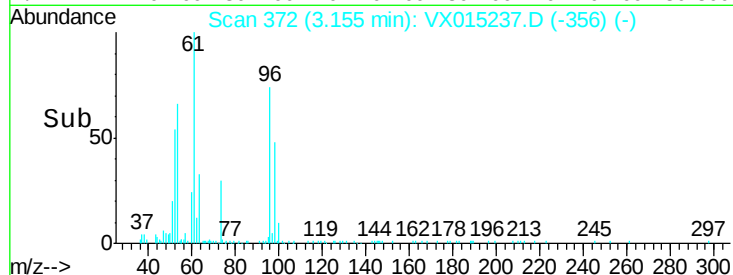
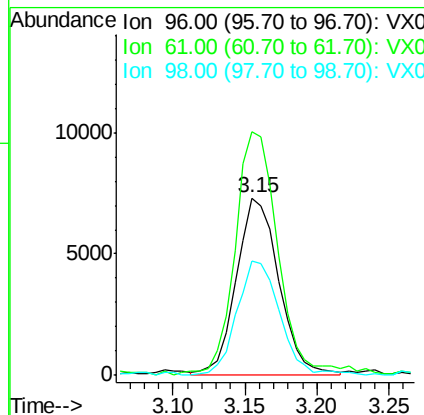
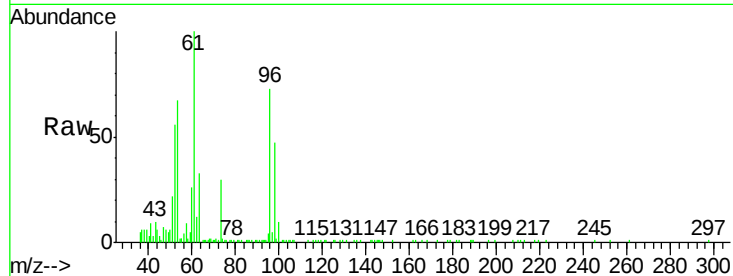
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	96	Resp:	14973
Ion	Ratio	Lower	Upper
96	100		
61	137.3	106.3	159.5
98	65.7	49.1	73.7

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#20

Diisopropyl ether

Concen: 5.262 ug/l

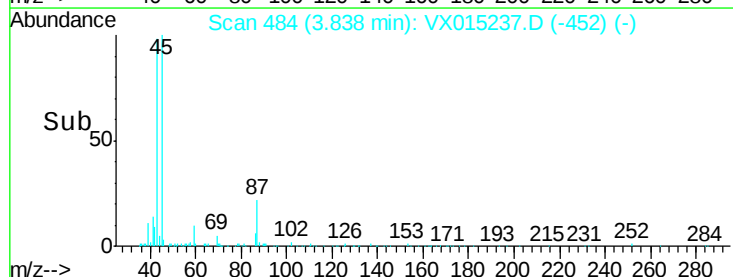
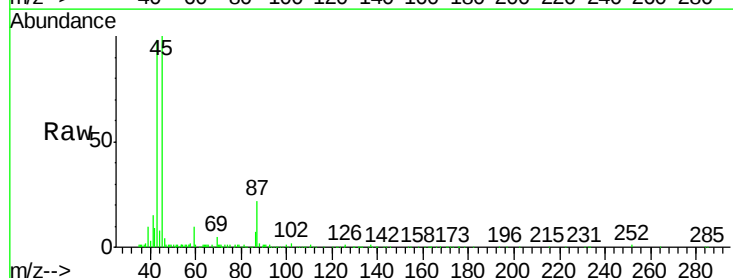
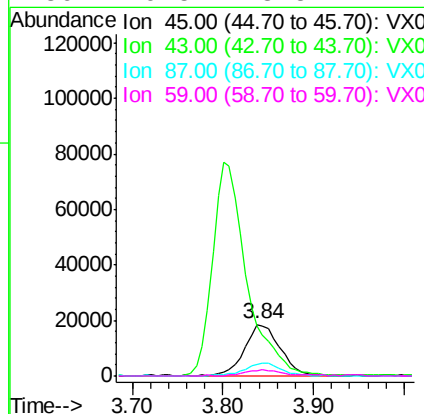
RT: 3.84 min Scan# 484

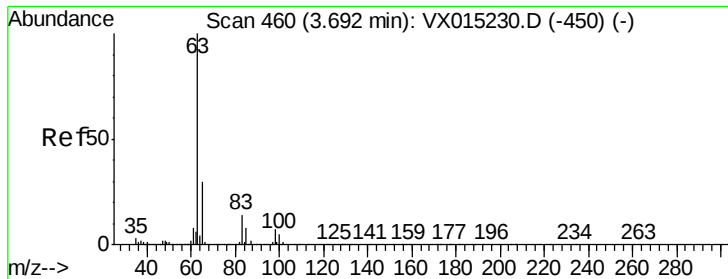
Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	45	Resp:	51104
Ion	Ratio	Lower	Upper
45	100		
43	94.6	58.6	87.8#
87	21.6	21.0	31.4
59	9.5	8.5	12.7





#21

1,1-Dichloroethane

Concen: 5.254 ug/l

RT: 3.69 min Scan# 460

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

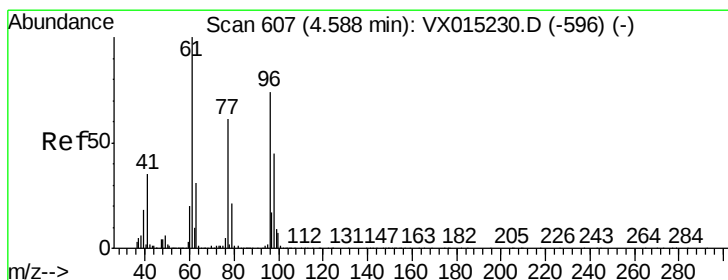
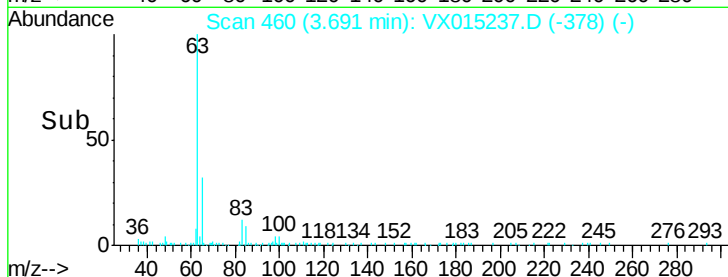
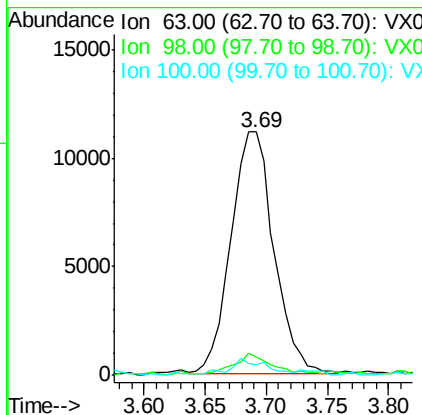
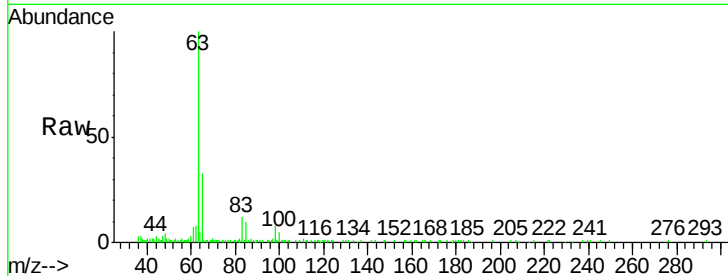
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	63	Resp:	27040
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.6
100	4.6	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 5.355 ug/l

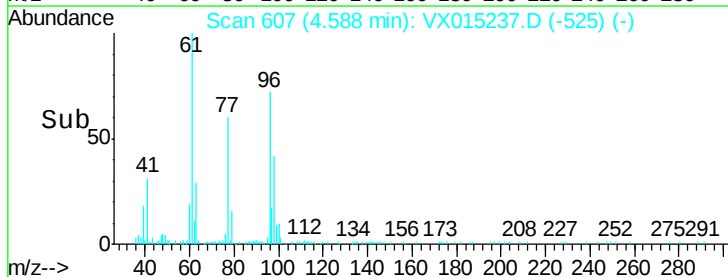
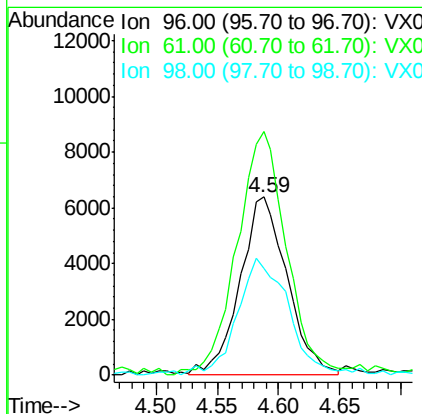
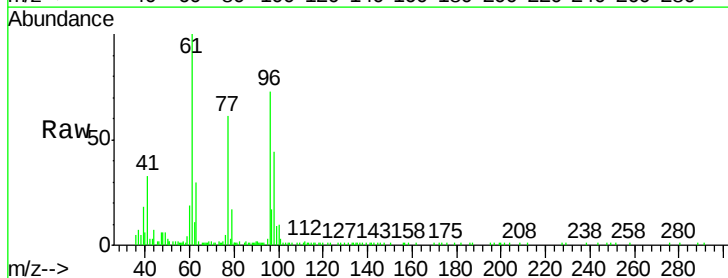
RT: 4.59 min Scan# 607

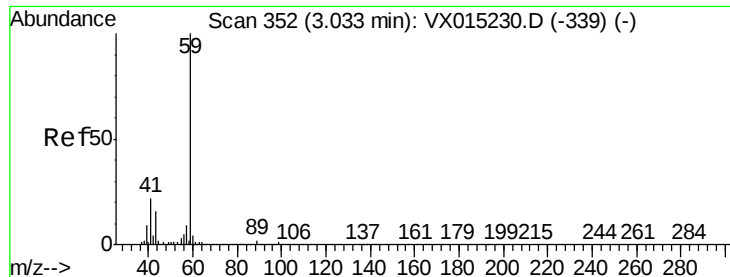
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	96	Resp:	17208
Ion Ratio	Lower	Upper	
96	100		
61	133.4	111.4	167.0
98	67.4	50.1	75.1





#23

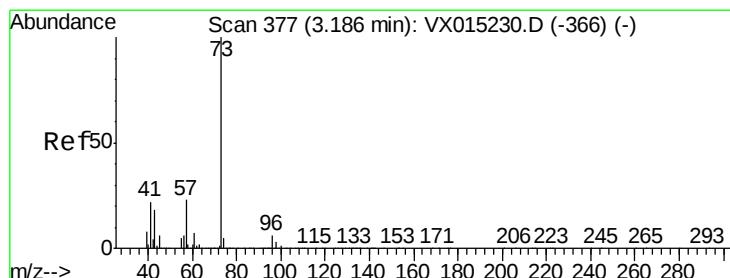
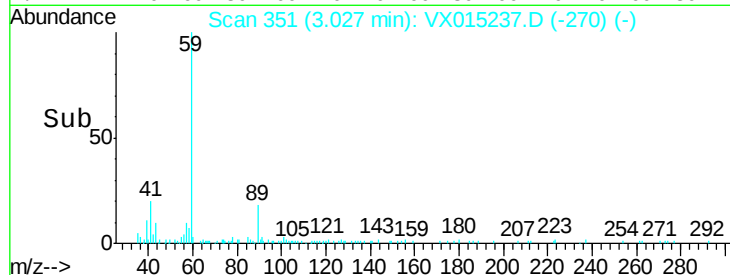
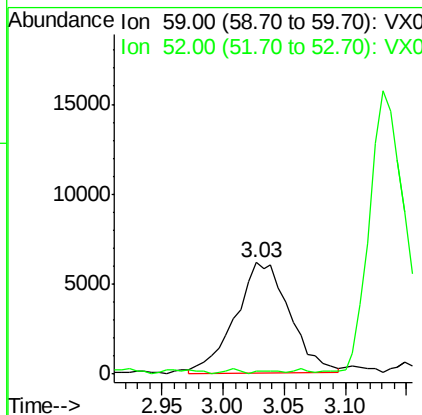
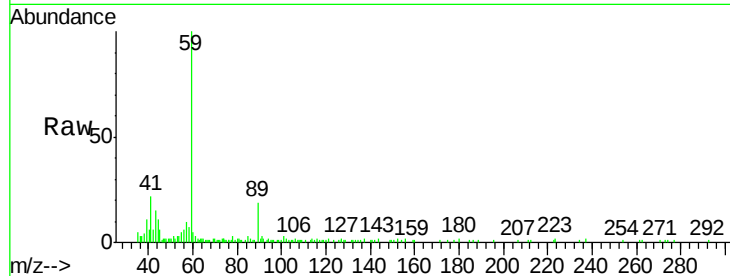
tert-Butyl Alcohol
Concen: 32.107 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.5	0.4	0.6#

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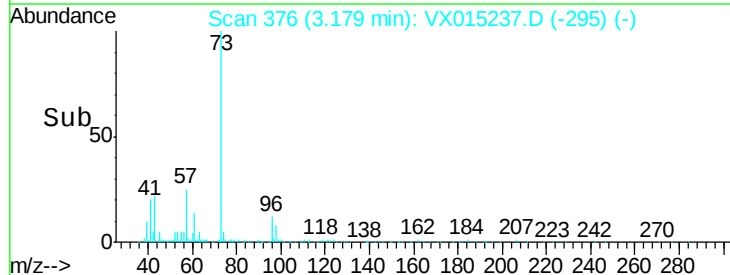
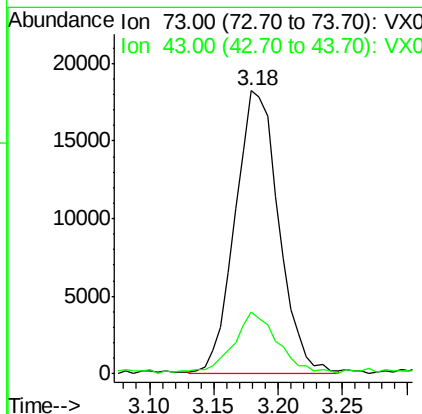
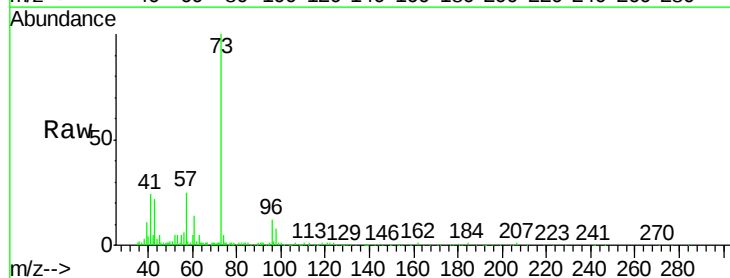
MMDadoda
3/16/2020 11:43:47 AM

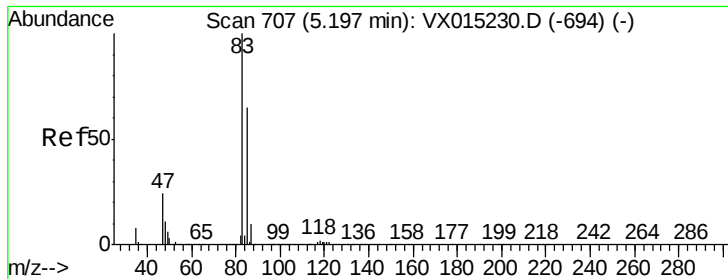


#24

Methyl tert-Butyl Ether
Concen: 5.000 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.9	23.9





#25

Chloroform

Concen: 4.932 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 83 Resp: 24142

Ion Ratio Lower Upper

83 100

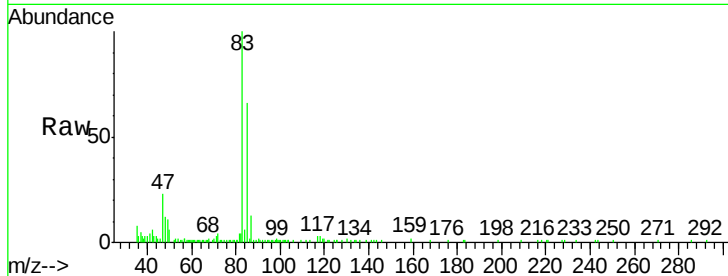
85 66.3 51.4 77.2

Manual Integrations

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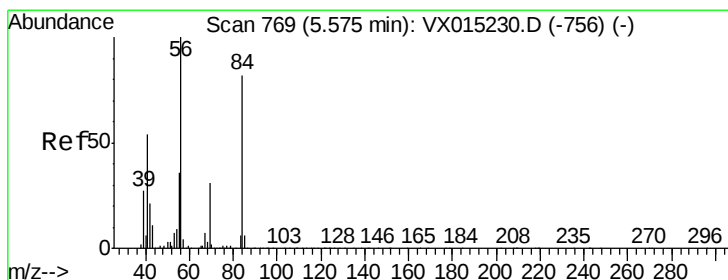
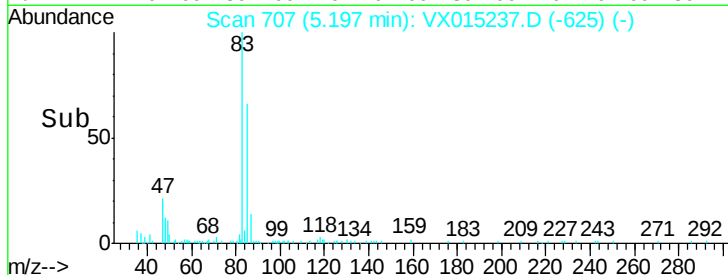
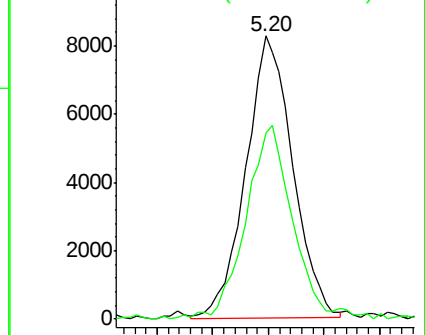
MMDadoda

3/16/2020 11:43:47 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 4.654 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

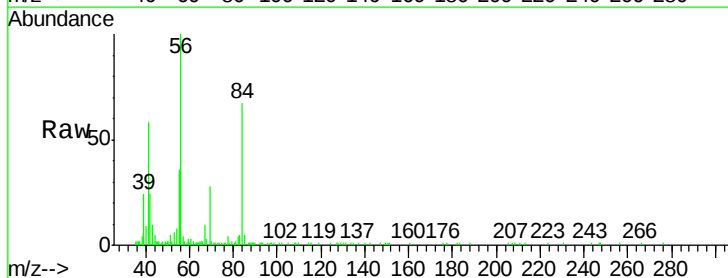
Tgt Ion: 56 Resp: 22259

Ion Ratio Lower Upper

56 100

89 0.5 0.1 0.1#

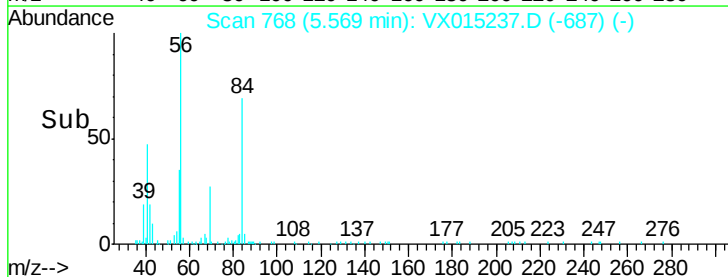
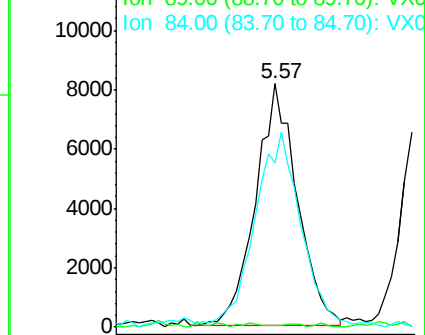
84 86.5 68.2 102.4

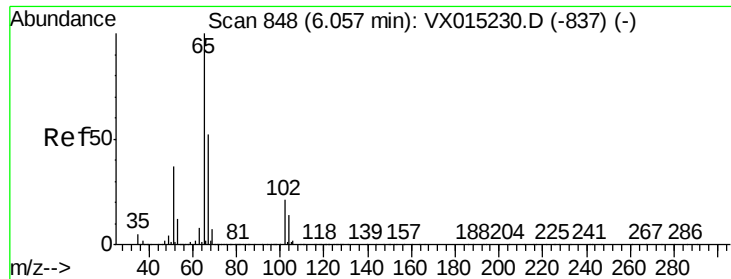


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.865 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 65 Resp: 91165

Ion Ratio Lower Upper

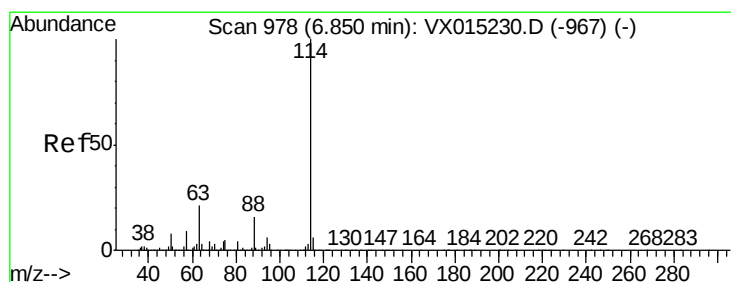
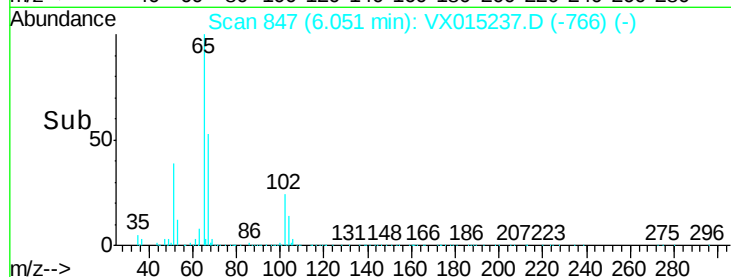
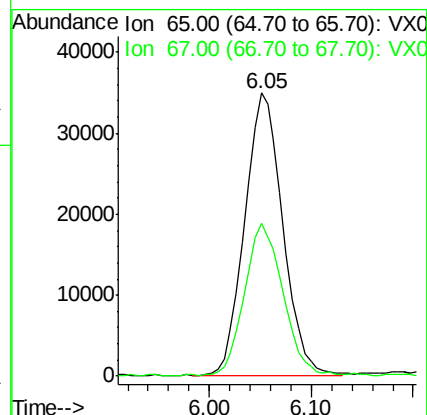
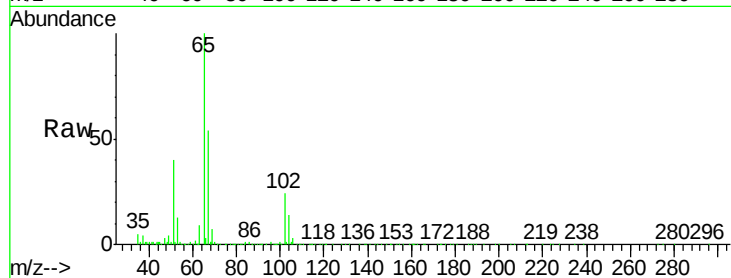
65 100

67 53.9 43.5 65.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

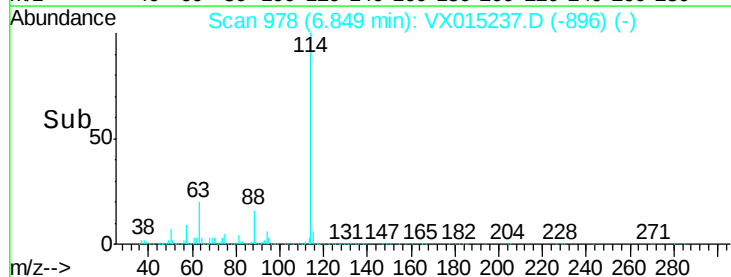
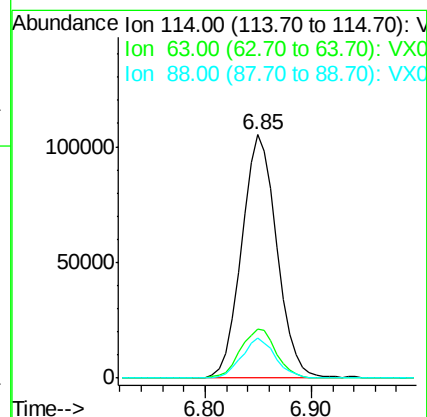
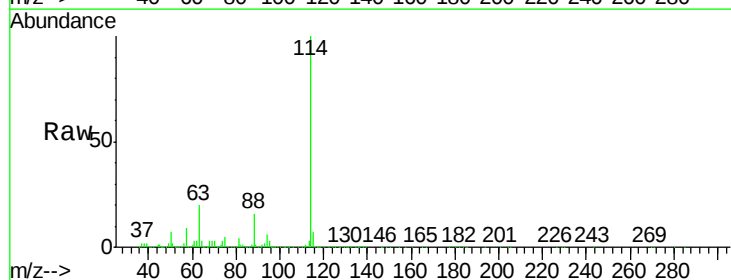
Tgt Ion: 114 Resp: 244127

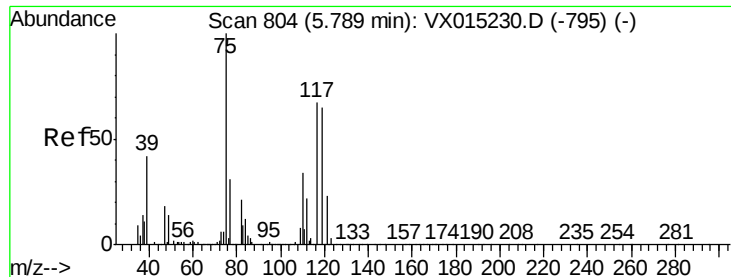
Ion Ratio Lower Upper

114 100

63 20.2 16.6 24.8

88 15.9 12.6 19.0





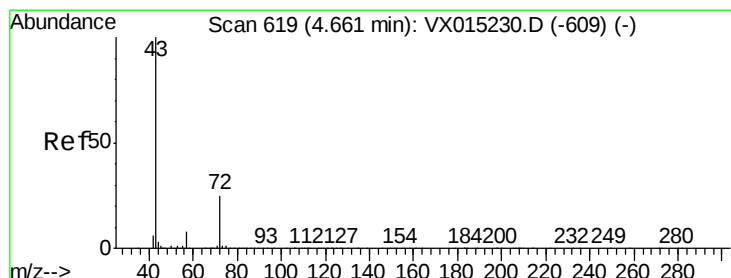
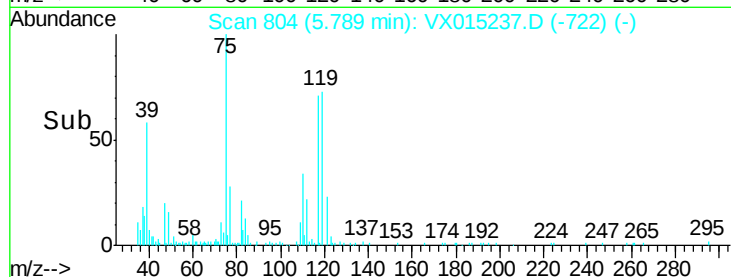
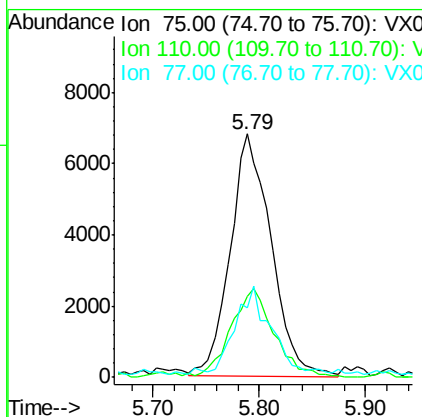
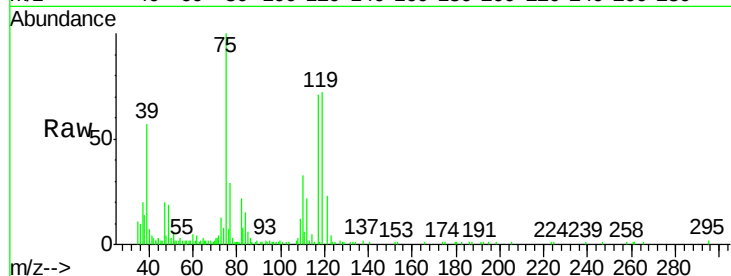
#29
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	0.0	73.6	
77	32.1	0.0	63.4	

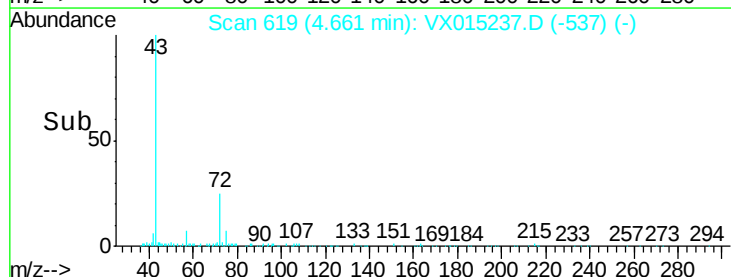
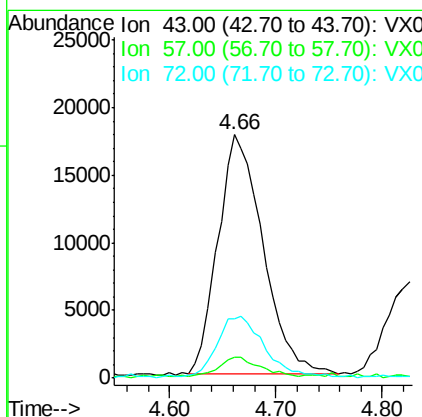
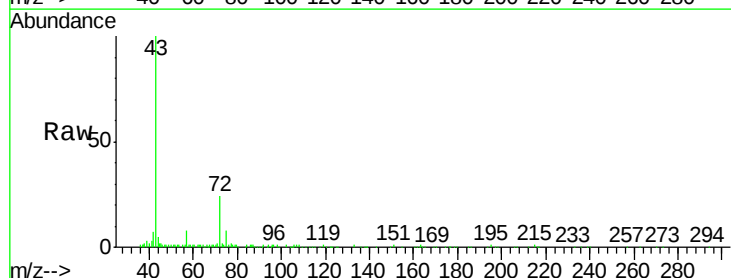
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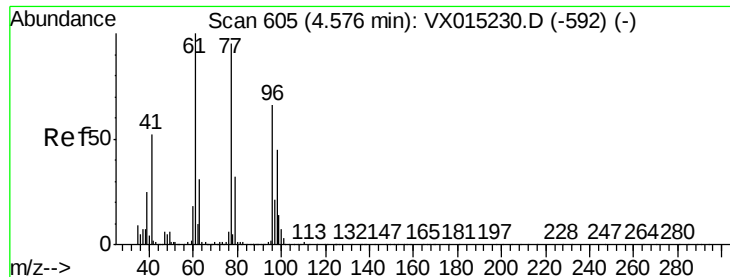
MMDadoda
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#30
 2-Butanone
 Concen: 25.926 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.8	6.4	9.6	
72	25.7	19.9	29.9	





#31

2,2-Dichloropropane

Concen: 5.191 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 77 Resp: 19978

Ion Ratio Lower Upper

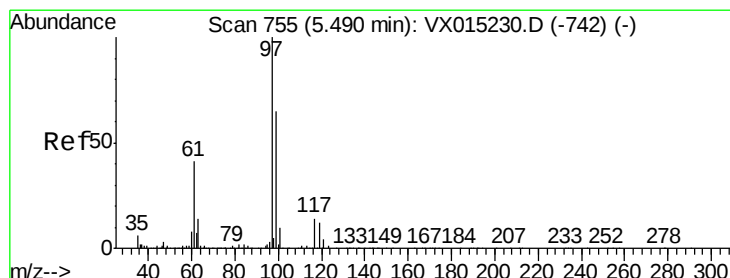
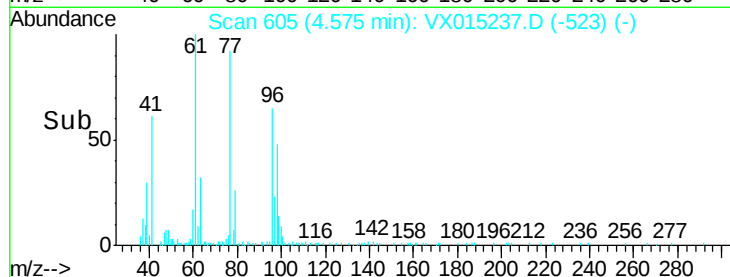
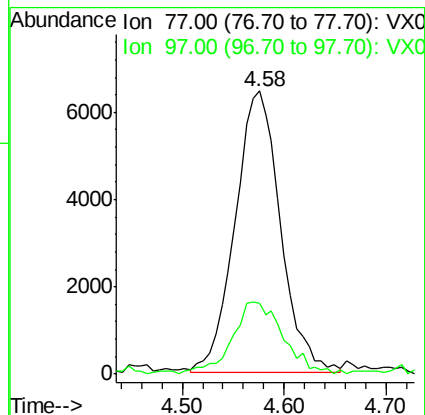
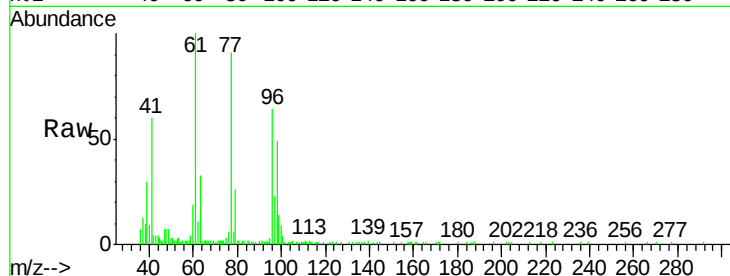
77 100

97 28.0 19.8 29.6

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#32

1,1,1-Trichloroethane

Concen: 4.935 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

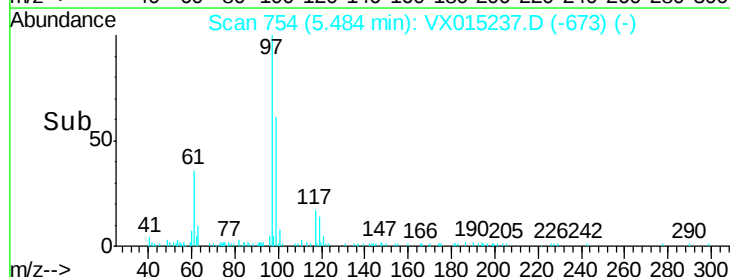
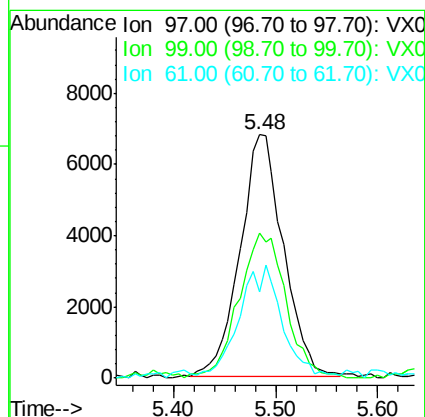
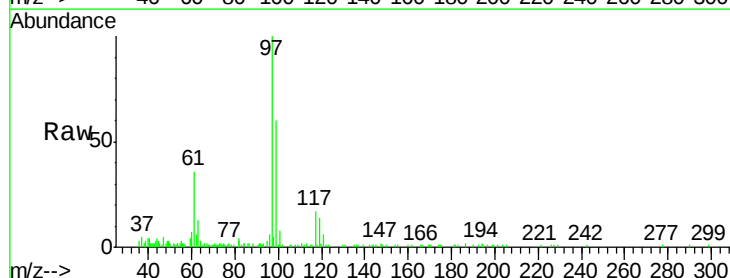
Tgt Ion: 97 Resp: 20120

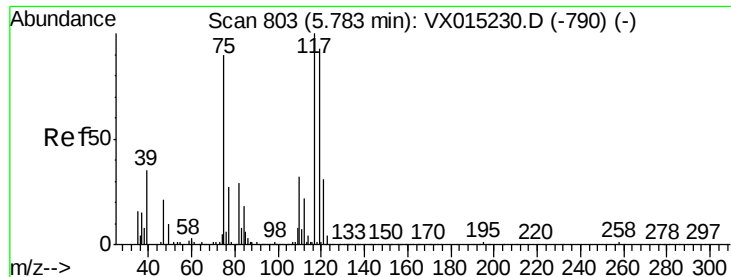
Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

61 22.4 35.0 52.6#





#33

Carbon Tetrachloride

Concen: 5.036 ug/l m

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

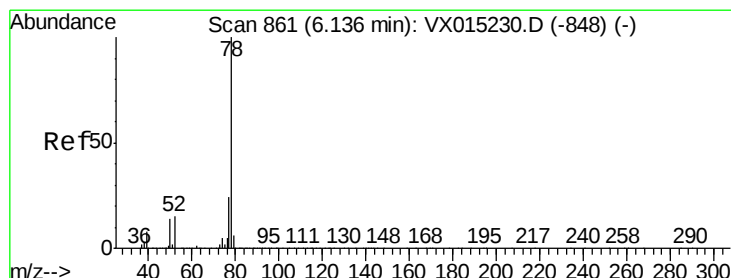
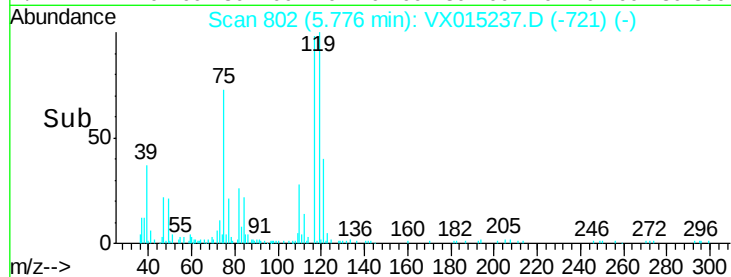
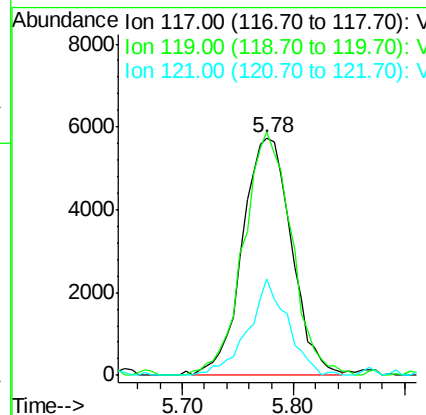
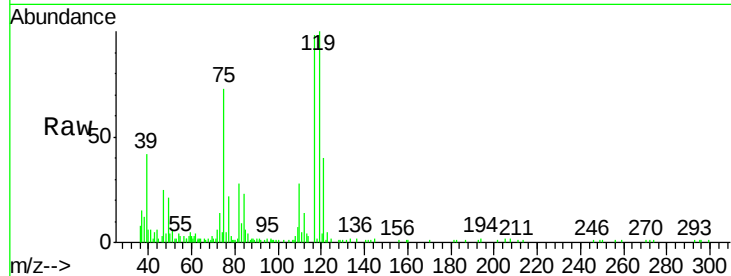
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	117	Resp:	17571
Ion Ratio	Lower	Upper	
117	100		
119	102.5	74.2	111.4
121	40.7	24.3	36.5#

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#34

Benzene

Concen: 5.042 ug/l

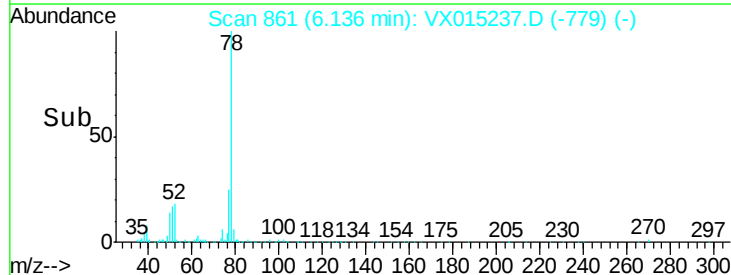
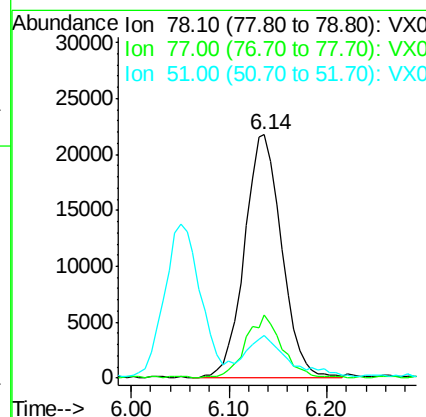
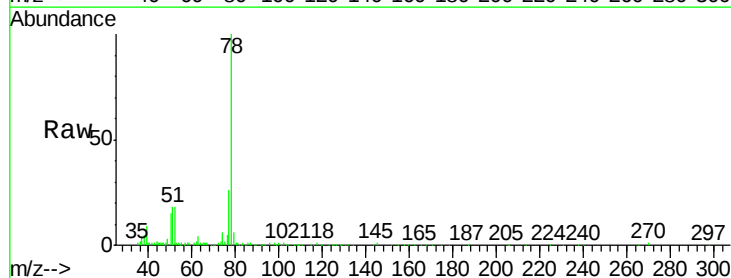
RT: 6.14 min Scan# 861

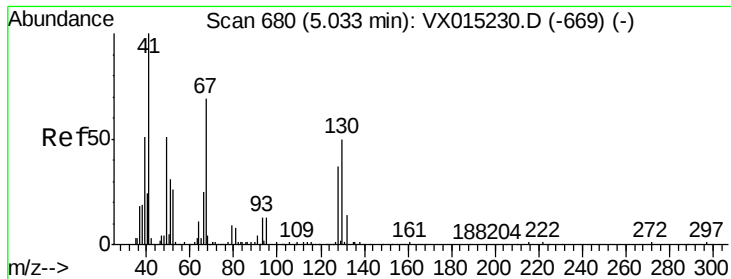
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	78	Resp:	57231
Ion Ratio	Lower	Upper	
78	100		
77	25.8	19.1	28.7
51	16.5	13.4	20.2





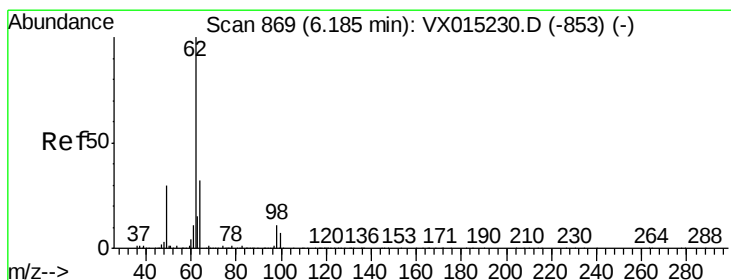
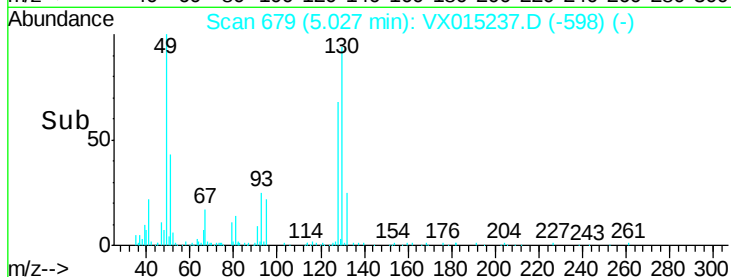
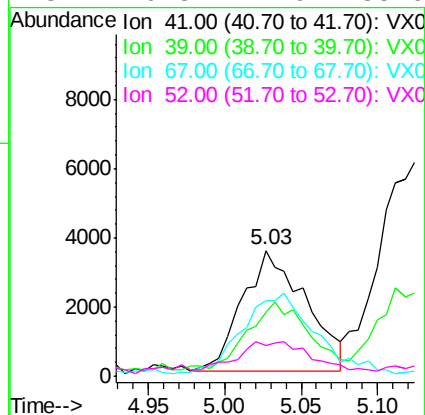
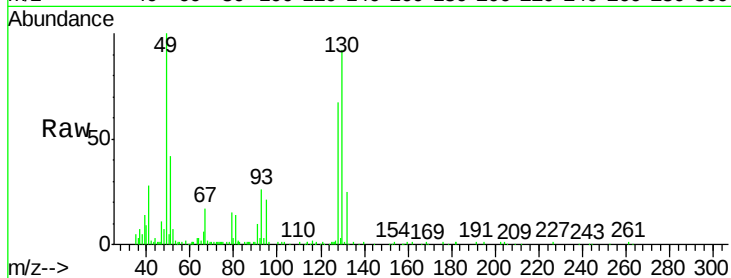
#35
Methacrylonitrile
Concen: 4.584 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:	41	Resp:	9943
Ion	Ratio	Lower	Upper
41	100		
39	44.6	25.7	77.1
67	59.7	34.3	102.8
52	20.3	12.9	38.6

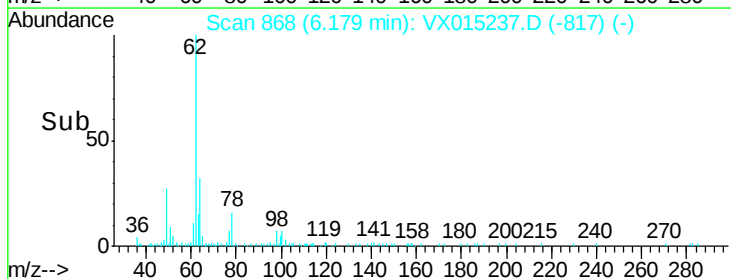
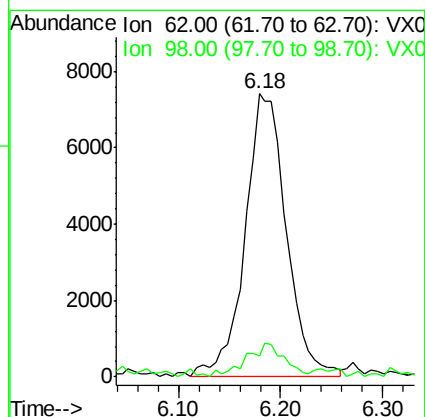
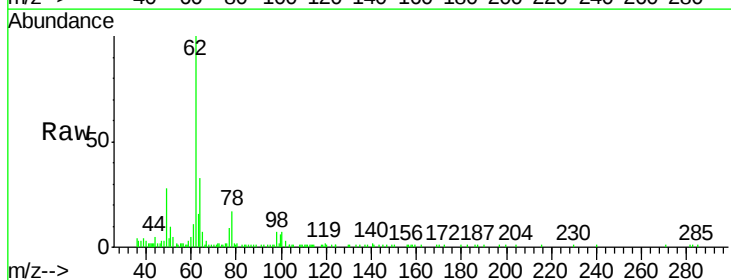
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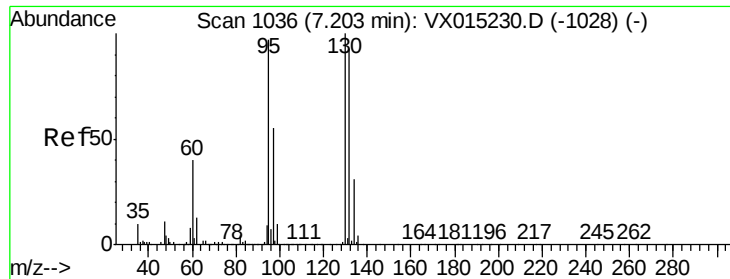
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#36
1,2-Dichloroethane
Concen: 5.520 ug/l m
RT: 6.18 min Scan# 868
Delta R.T. -0.19 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion:	62	Resp:	20903
Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#





#37

Trichloroethene

Concen: 4.938 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:130 Resp: 15503

Ion Ratio Lower Upper

130 100

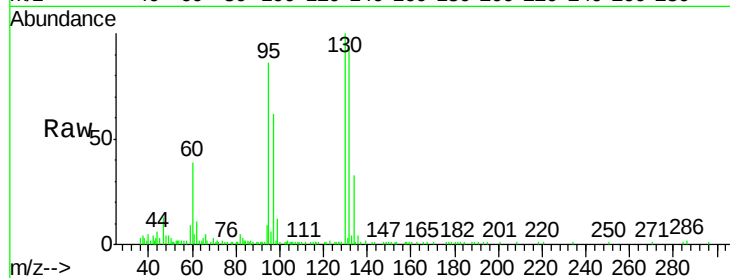
95 84.3 77.4 116.0

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

8000

6000

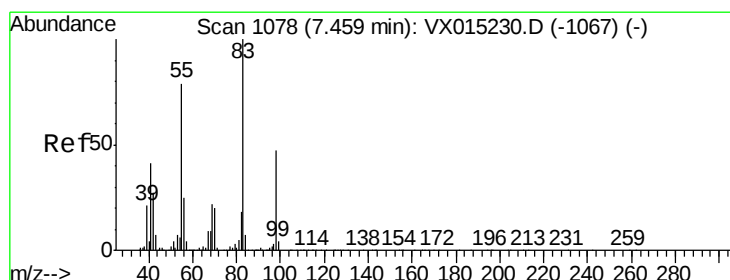
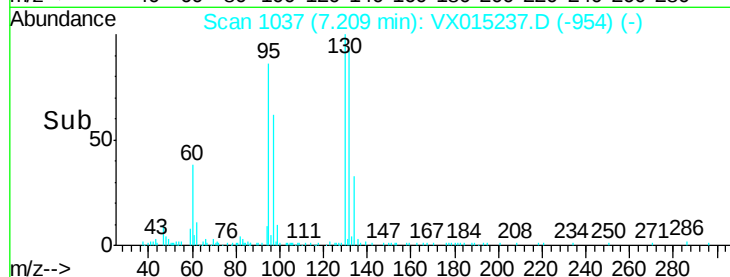
4000

2000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 4.825 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

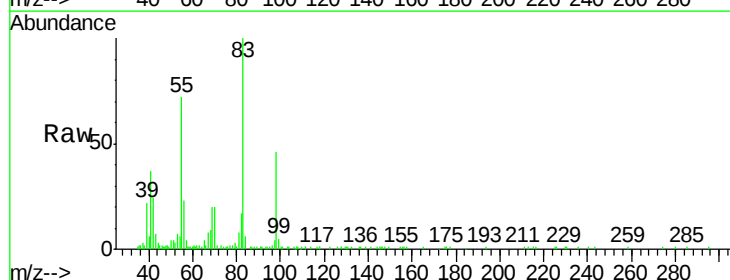
Tgt Ion: 83 Resp: 21963

Ion Ratio Lower Upper

83 100

55 78.8 39.1 117.2

98 51.7 24.4 73.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

15000

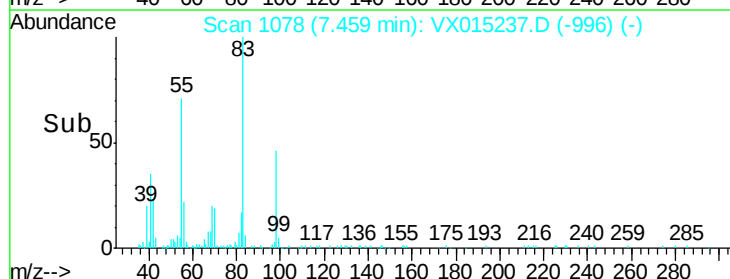
10000

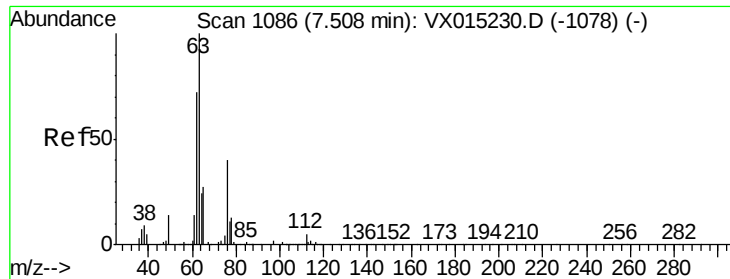
5000

0

7.40 7.45 7.50

Time-->





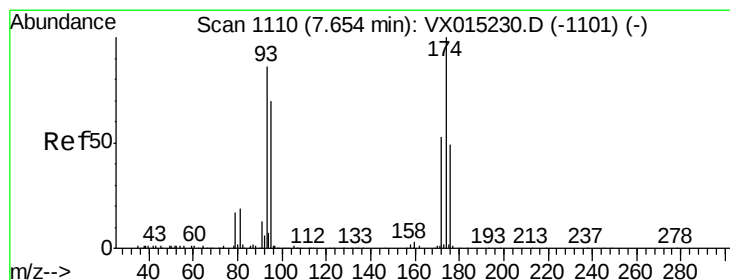
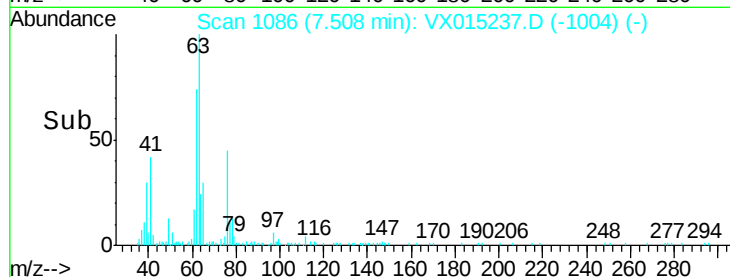
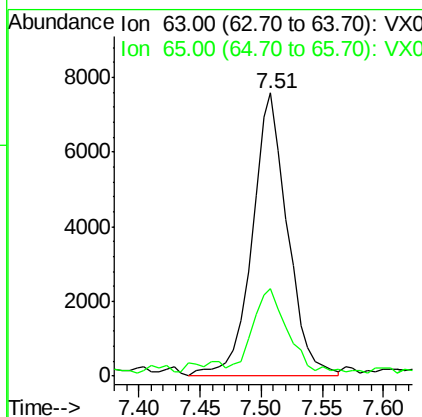
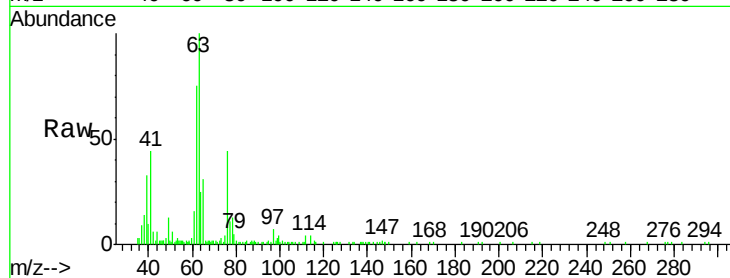
#39
 1,2-Dichloropropane
 Concen: 5.215 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	23.2	34.8

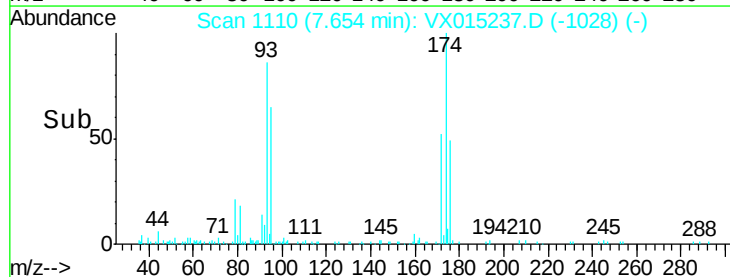
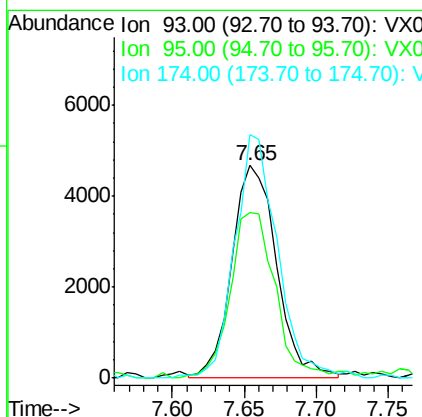
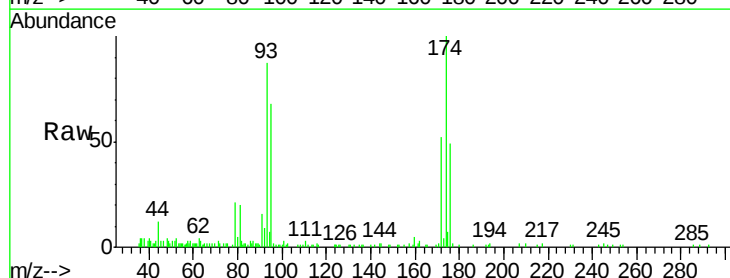
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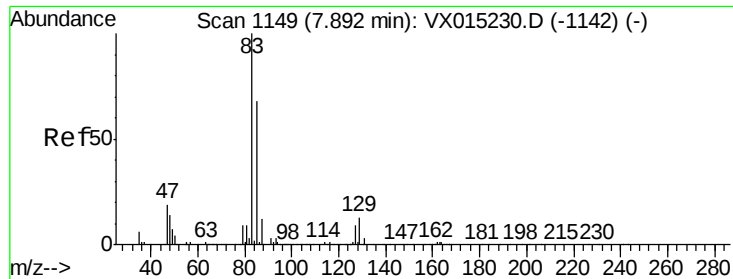
MMDadoda
 3/16/2020 11:43:47 AM



#40
 Dibromomethane
 Concen: 5.441 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.7	0.0	162.6
174	108.1	0.0	233.6





#41

Bromodichloromethane

Concen: 4.861 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

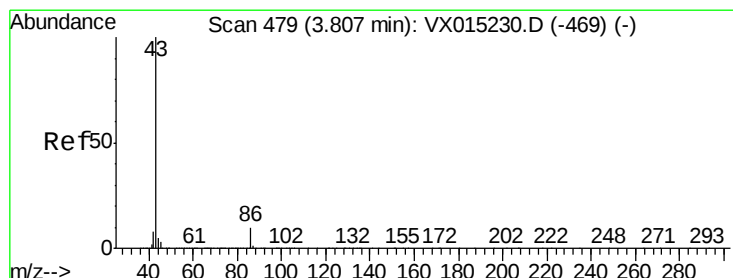
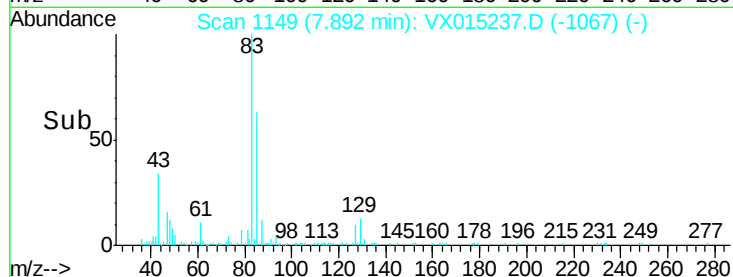
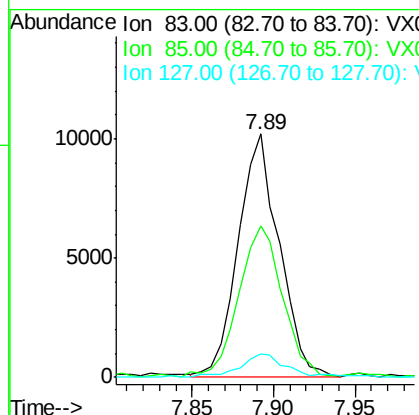
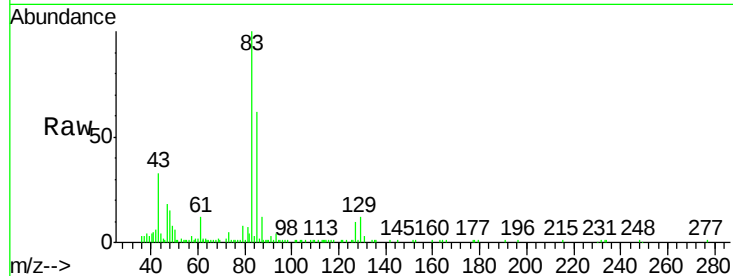
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	17921
Ion Ratio	Lower	Upper	
83	100		
85	61.2	54.2	81.4
127	9.5	7.1	10.7

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#42

Vinyl Acetate

Concen: 25.568 ug/l

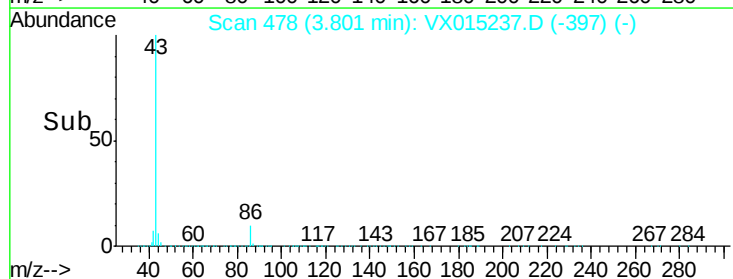
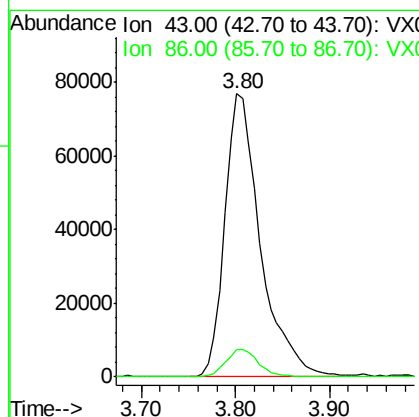
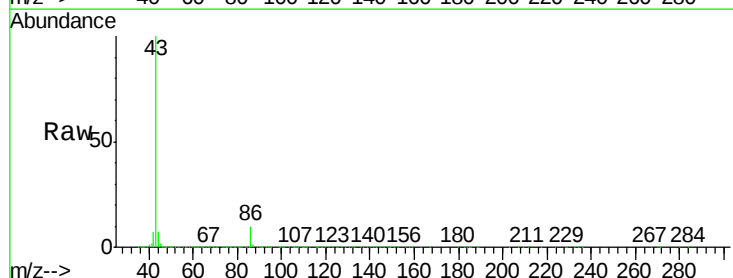
RT: 3.80 min Scan# 478

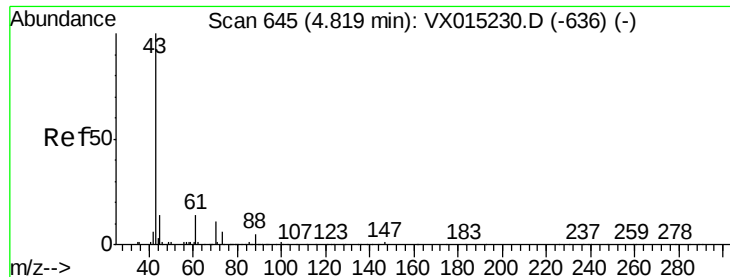
Delta R.T. -0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	43	Resp:	202280
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.4	11.2





#43

Ethyl Acetate

Concen: 5.365 ug/l m

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 20421

Ion Ratio Lower Upper

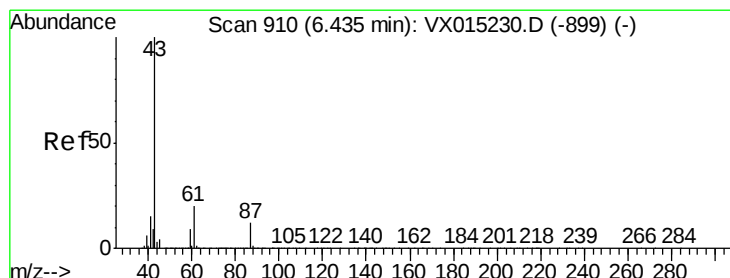
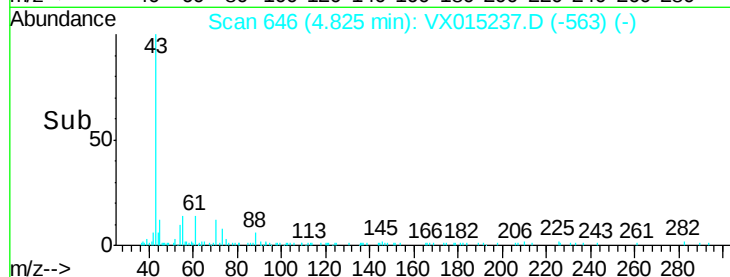
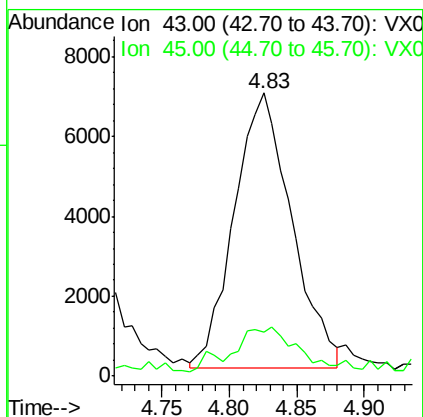
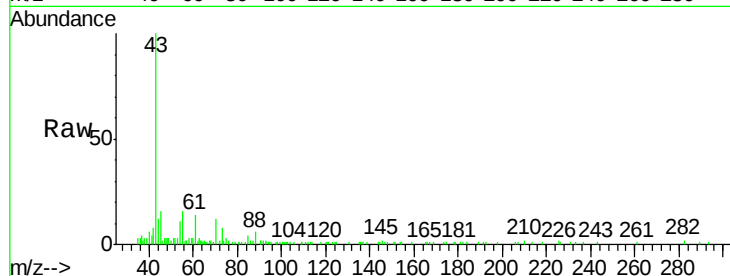
43 100

45 0.1 11.7 17.5#

Manual Integrations
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#44

Isopropyl Acetate

Concen: 4.934 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015237.D

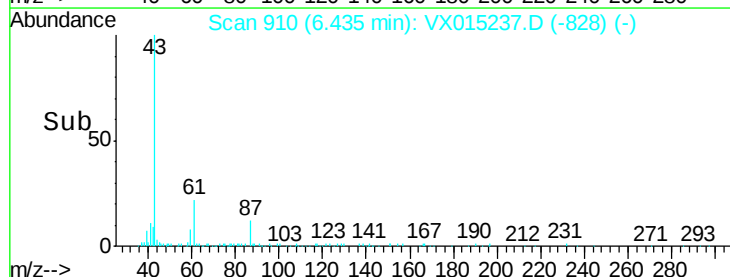
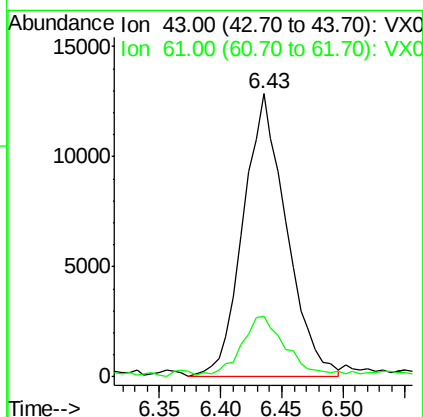
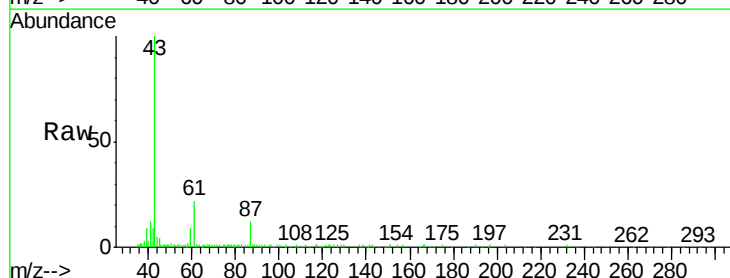
Acq: 12 Mar 2020 16:29

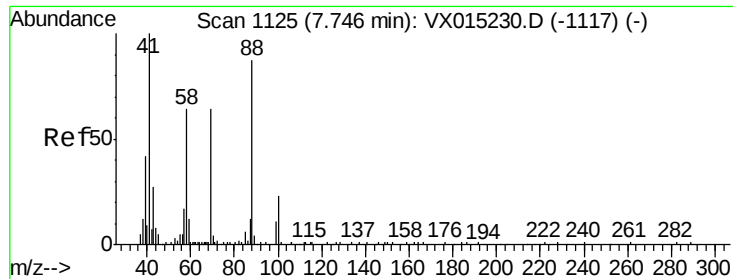
Tgt Ion: 43 Resp: 31767

Ion Ratio Lower Upper

43 100

61 20.5 17.0 25.4





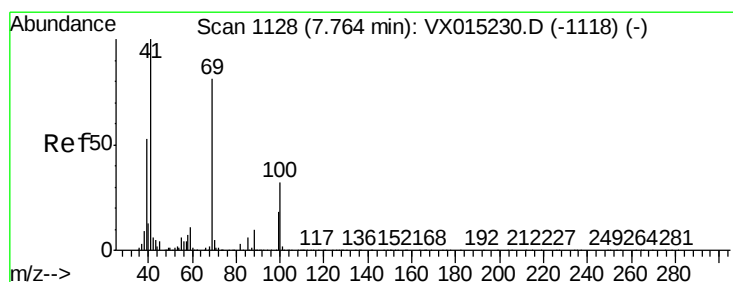
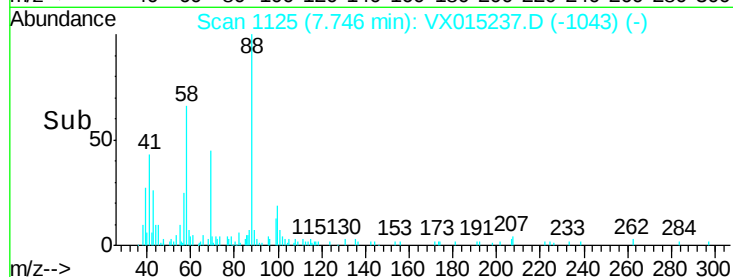
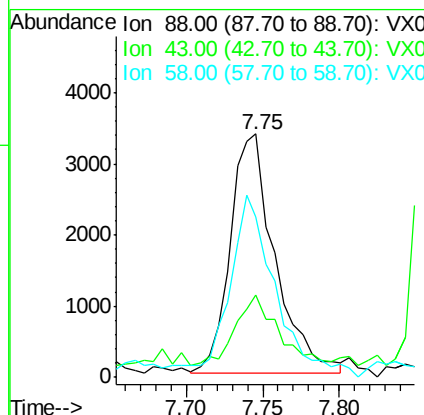
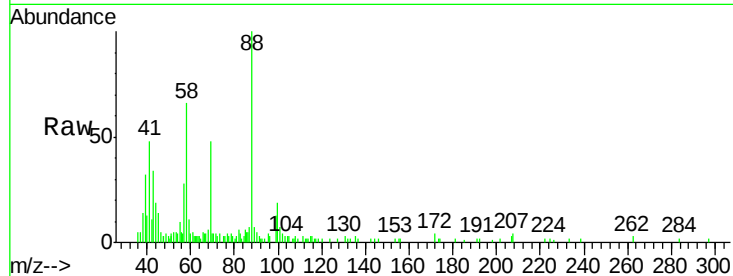
#45
1,4-Dioxane
Concen: 108.089 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:	88	Resp:	6835
Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.4	39.6
58	72.6	57.3	85.9

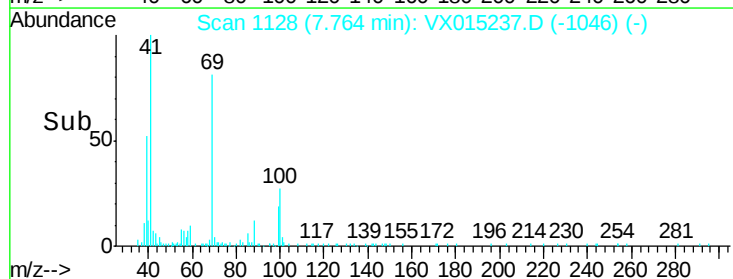
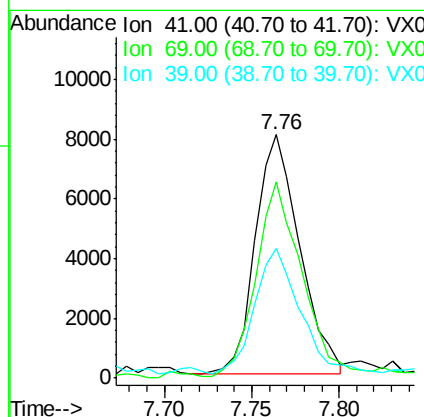
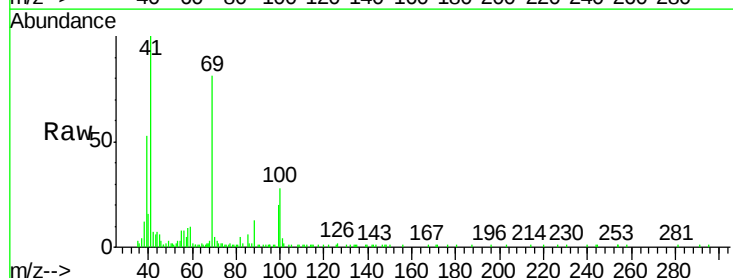
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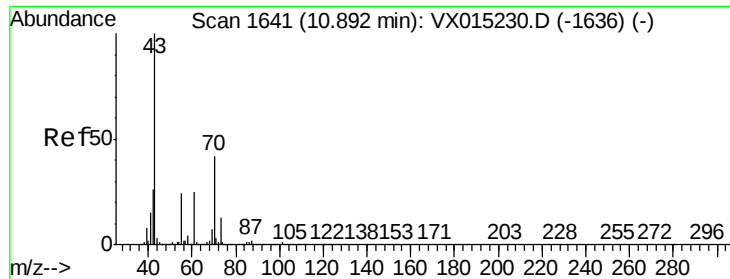
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#46
Methyl methacrylate
Concen: 4.469 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion:	41	Resp:	14187
Ion	Ratio	Lower	Upper
41	100		
69	78.7	40.5	121.4
39	49.5	26.6	79.8





#47

n-amyl Acetate

Concen: 4.158 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 24020

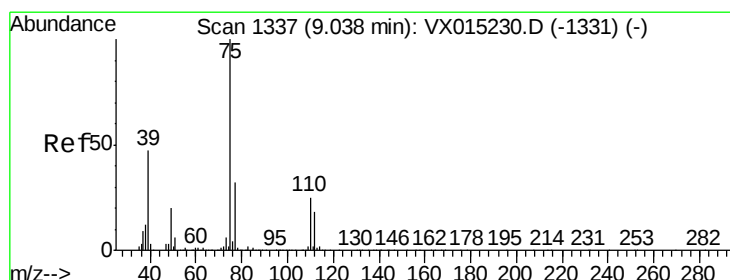
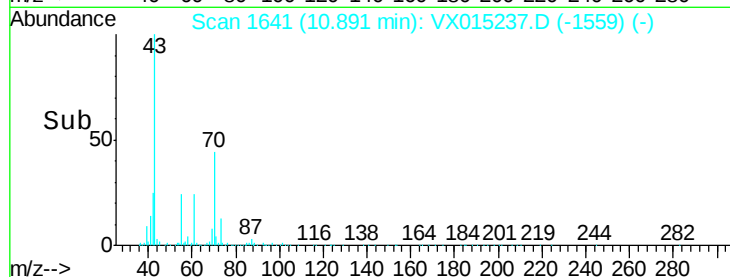
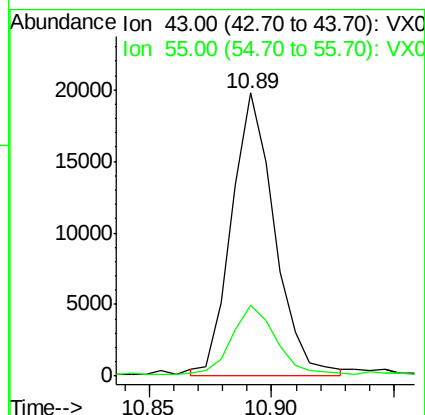
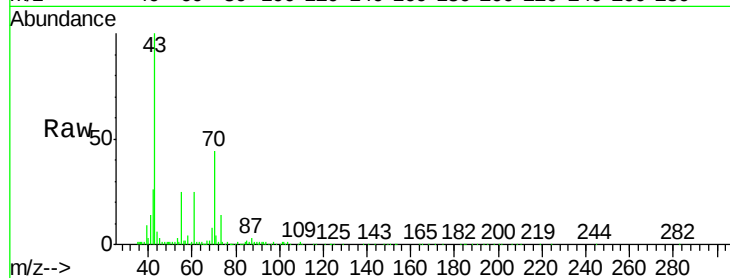
Ion Ratio Lower Upper

43 100

55 25.1 20.4 30.6

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#48

t-1,3-Dichloropropene

Concen: 4.819 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX015237.D

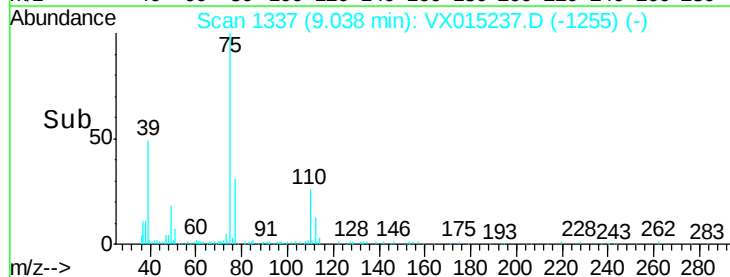
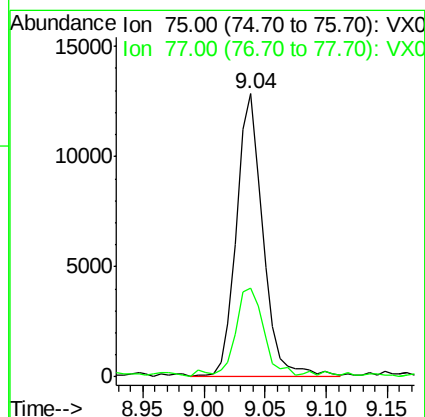
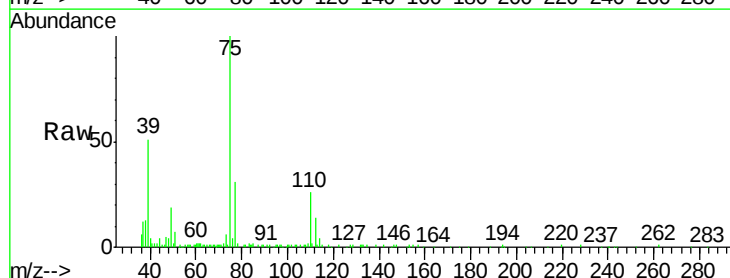
Acq: 12 Mar 2020 16:29

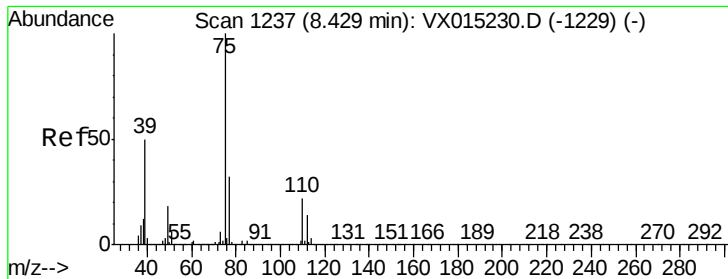
Tgt Ion: 75 Resp: 19315

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7





#49

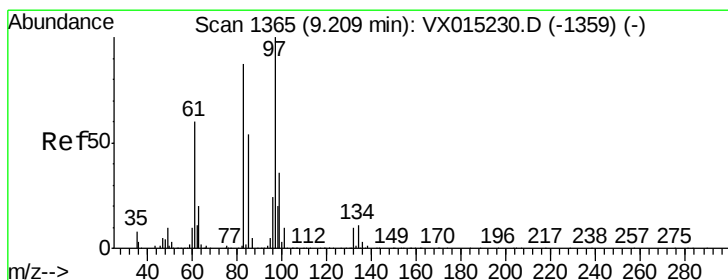
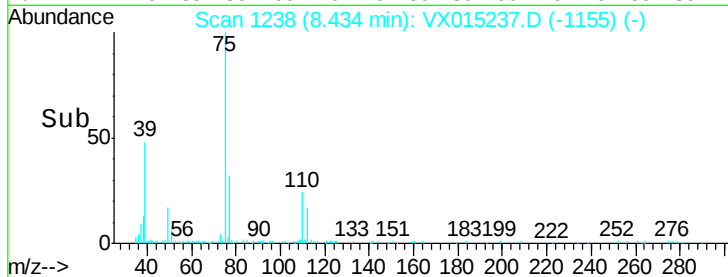
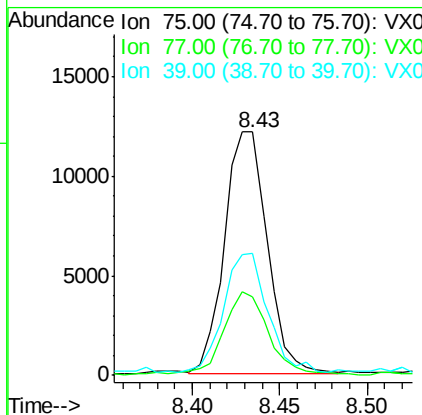
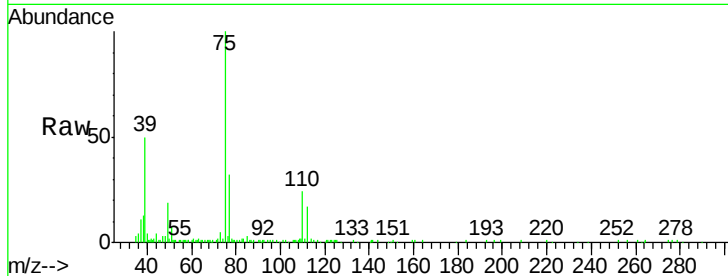
cis-1,3-Dichloropropene
Concen: 4.580 ug/l
RT: 8.43 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:	75	Resp:	20848
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.3	37.9
39	48.5	39.8	59.6

Manual Integrations
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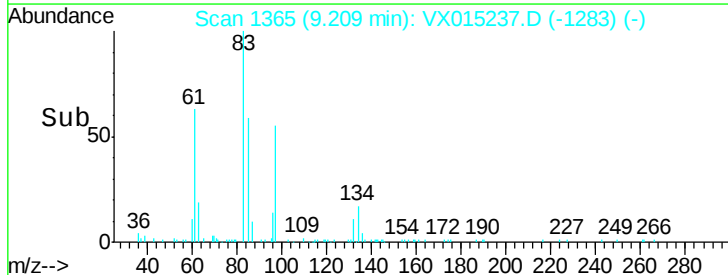
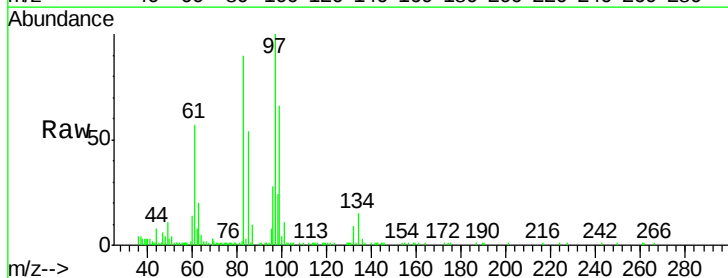
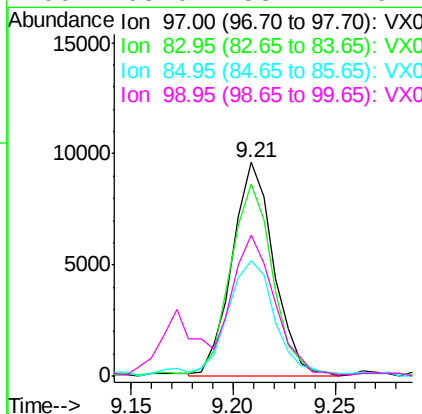
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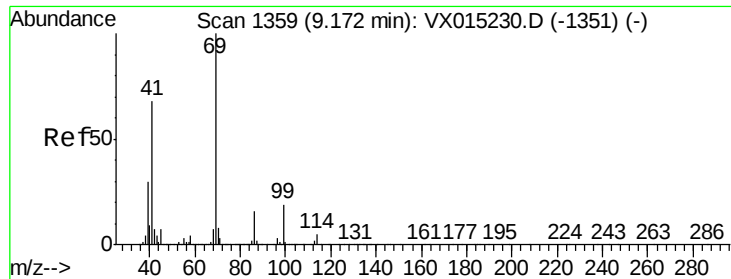


#50

1,1,2-Trichloroethane
Concen: 4.951 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion:	97	Resp:	13645
Ion Ratio	Lower	Upper	
97	100		
83	89.1	69.7	104.5
85	52.7	45.4	68.0
99	65.0	53.1	79.7





#51

Ethyl methacrylate

Concen: 4.554 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

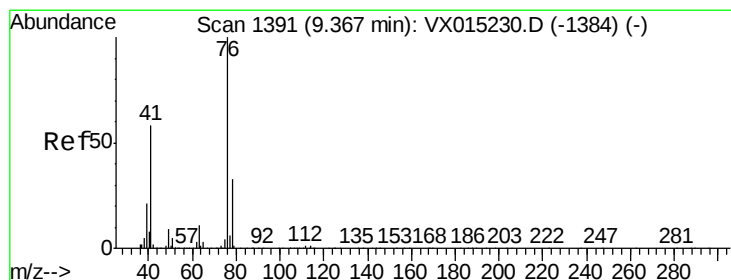
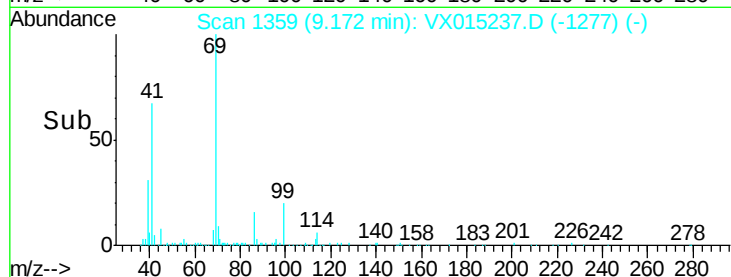
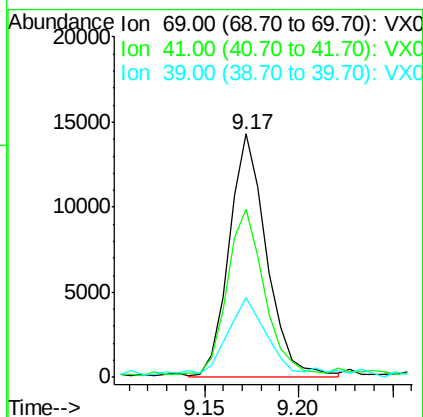
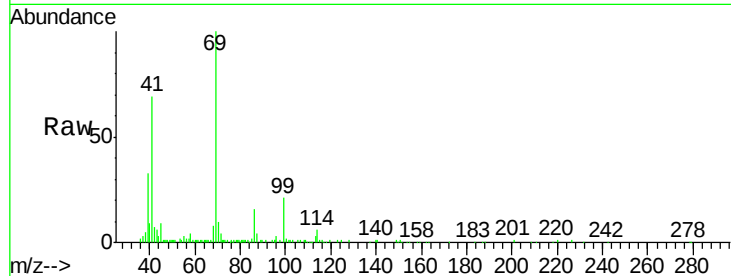
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	69	Resp:	19585
Ion Ratio	Lower	Upper	
69	100		
41	68.3	33.8	101.3
39	30.2	15.1	45.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.099 ug/l

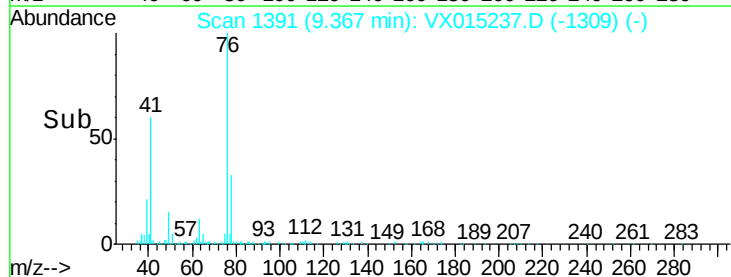
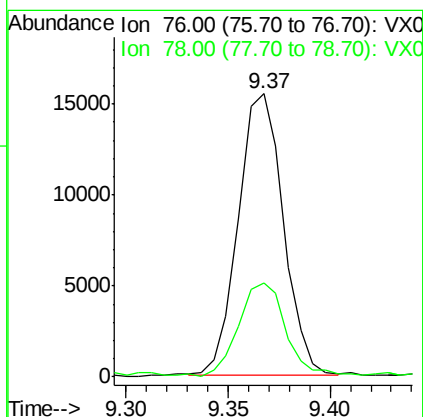
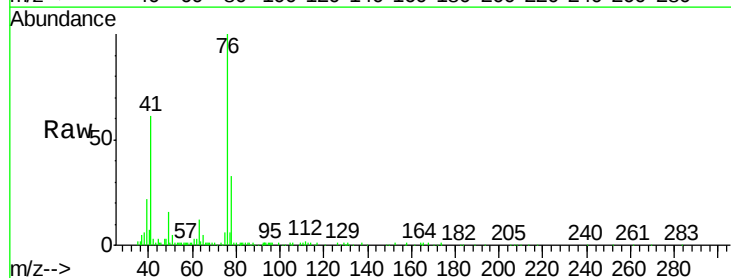
RT: 9.37 min Scan# 1391

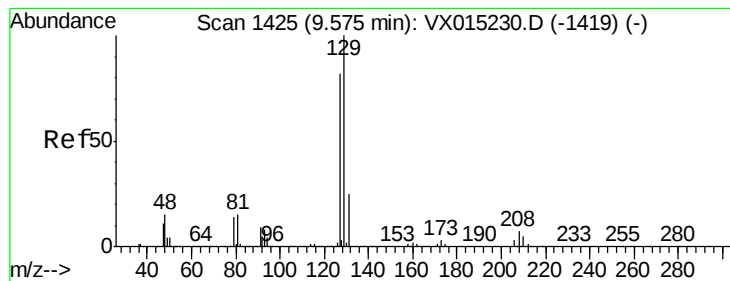
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	76	Resp:	23784
Ion Ratio	Lower	Upper	
76	100		
78	35.3	0.0	65.2





#53

Dibromochloromethane

Concen: 4.616 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:129 Resp: 13549

Ion Ratio Lower Upper

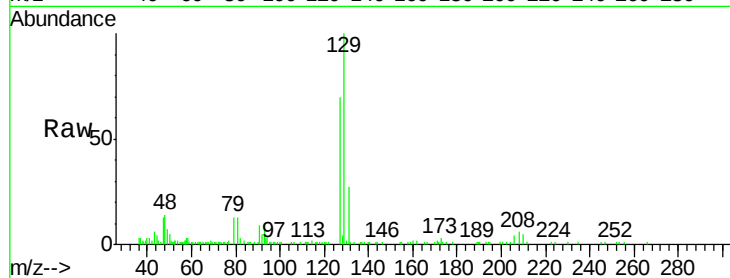
129 100

127 76.1 40.4 121.1

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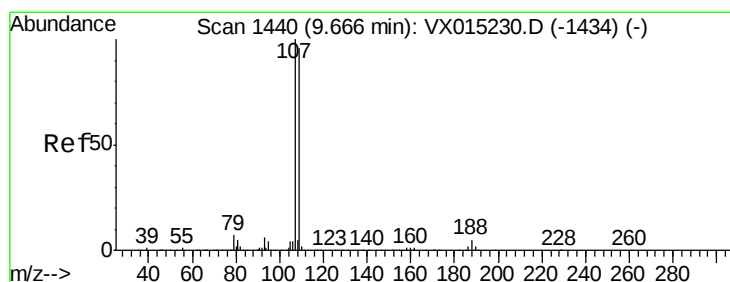
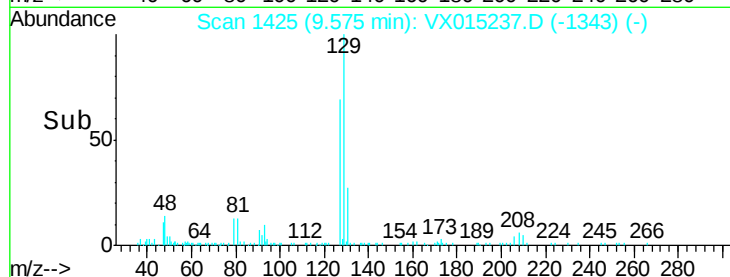
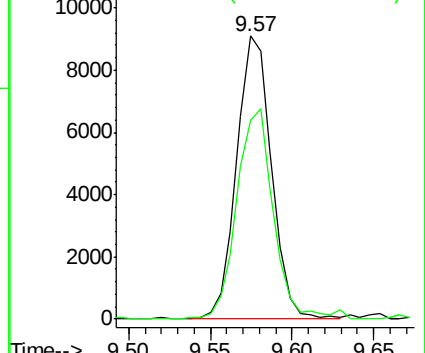
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.118 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015237.D

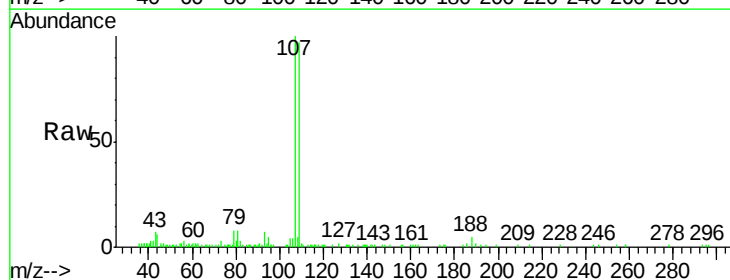
Acq: 12 Mar 2020 16:29

Tgt Ion:107 Resp: 14551

Ion Ratio Lower Upper

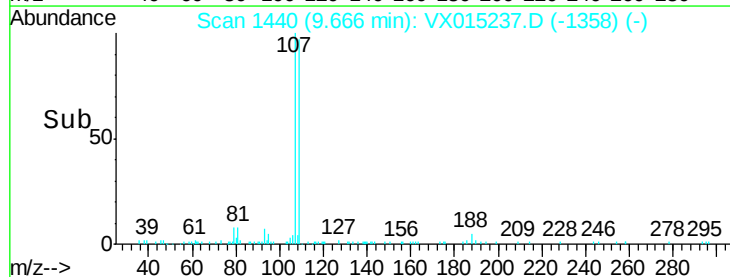
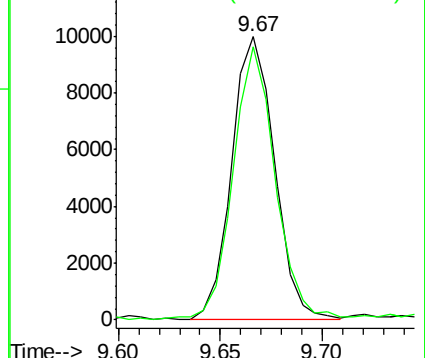
107 100

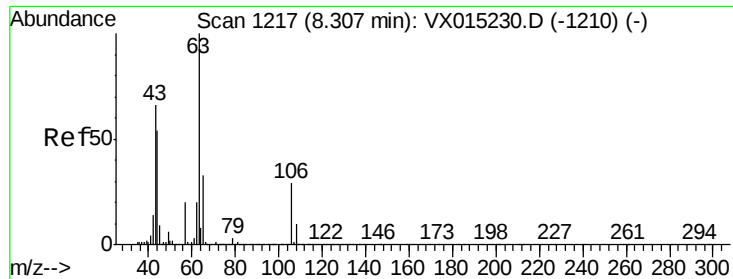
109 95.0 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





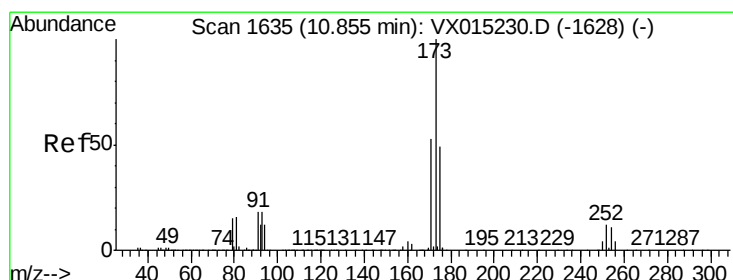
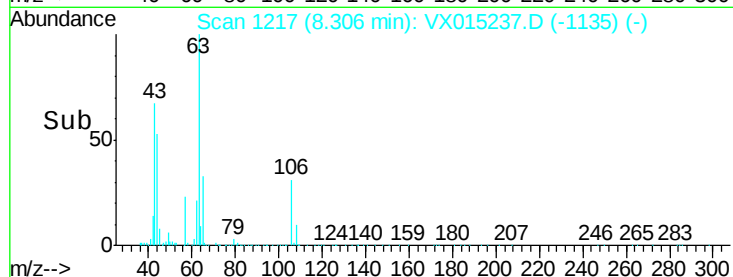
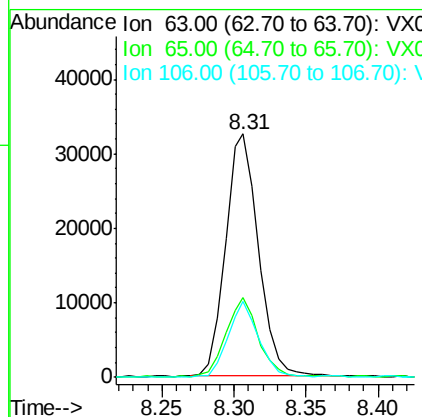
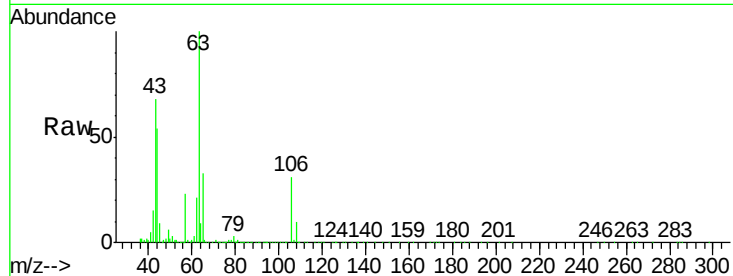
#55
2-Chloroethyl vinyl ether
Concen: 24.160 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.6	38.4
106	29.3	23.0	34.4

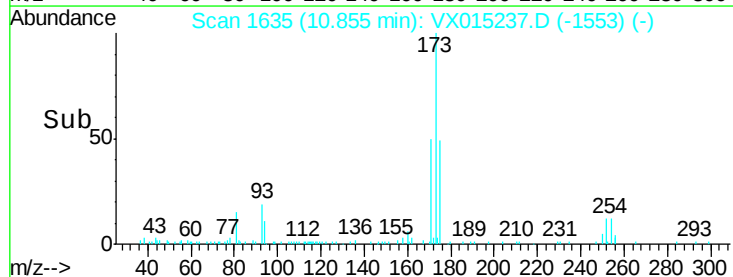
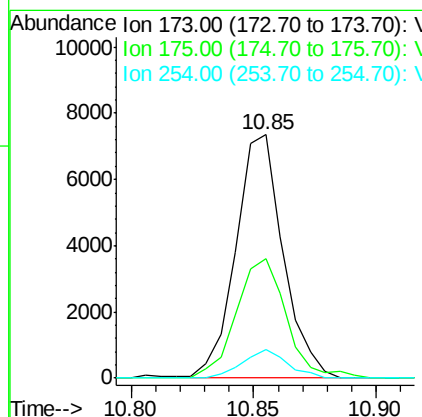
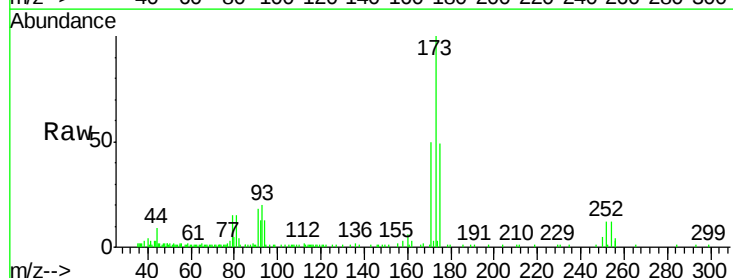
Manual Integrations
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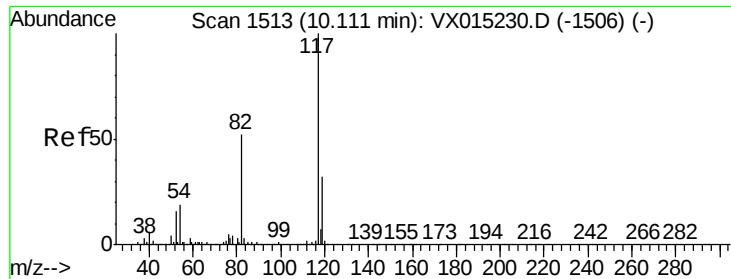
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#56
Bromoform
Concen: 4.297 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	38.9	58.3
254	11.0	9.1	13.7





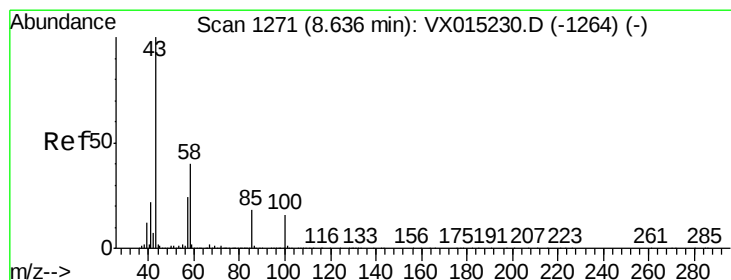
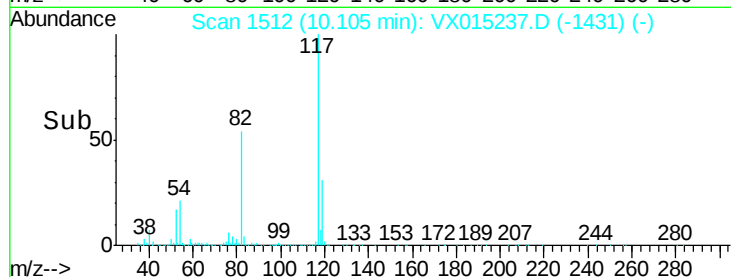
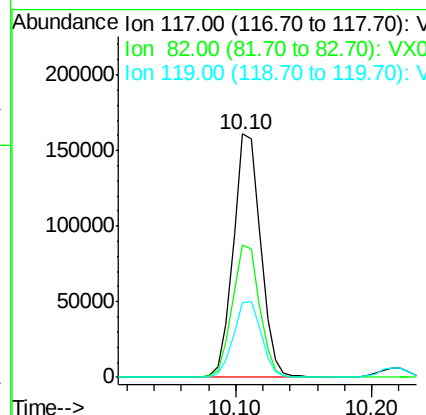
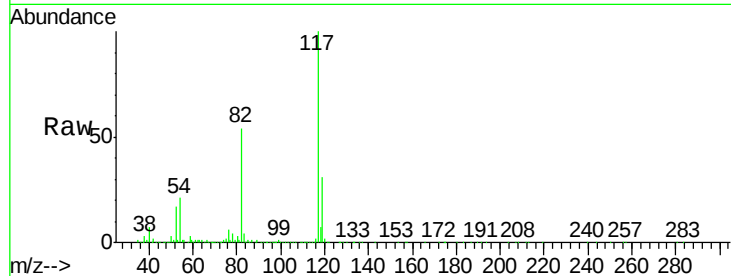
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	224503		
82	54.2		43.2	64.8
119	32.0		25.8	38.8

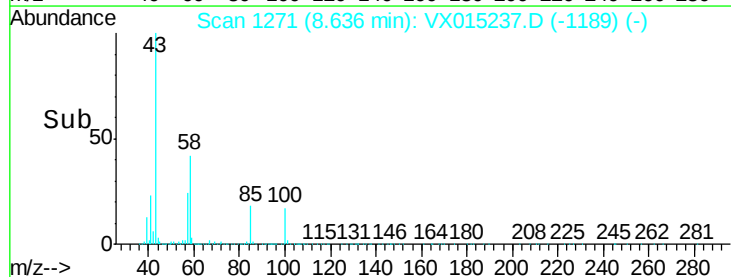
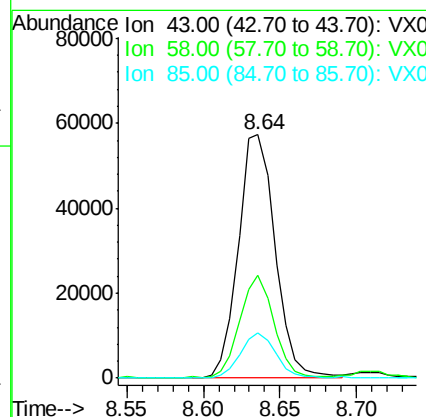
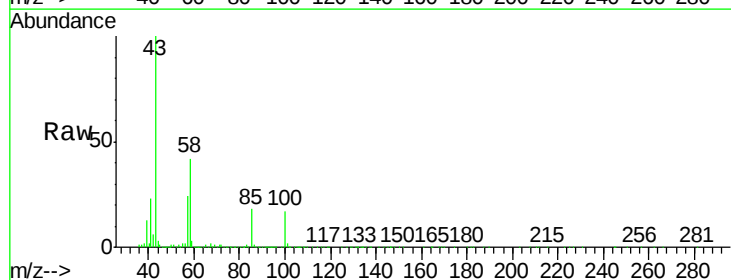
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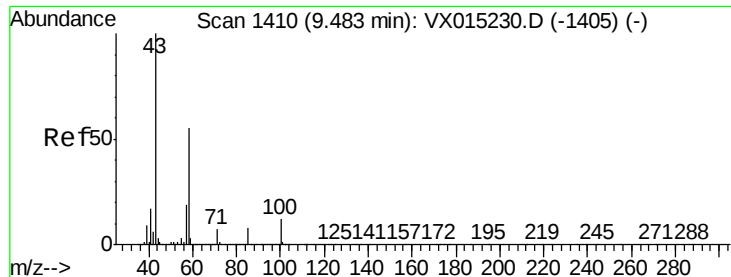
MMDadoda
3/16/2020 11:43:47 AM



#58
4-Methyl-2-Pentanone
Concen: 24.934 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	95298		
58	39.0		31.6	47.4
85	17.2		13.8	20.8





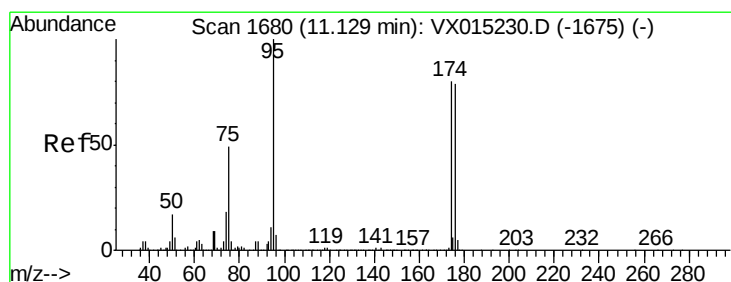
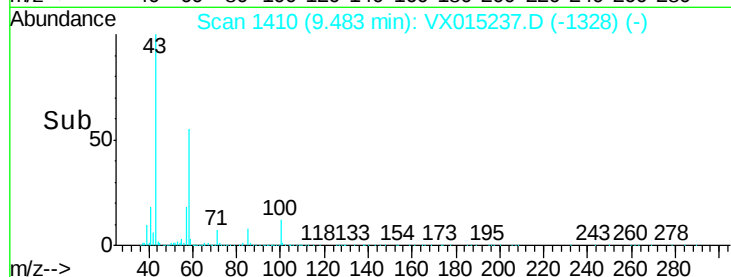
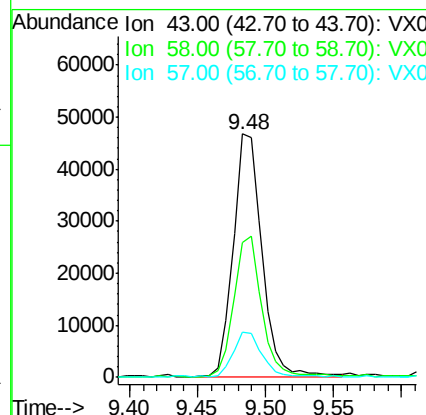
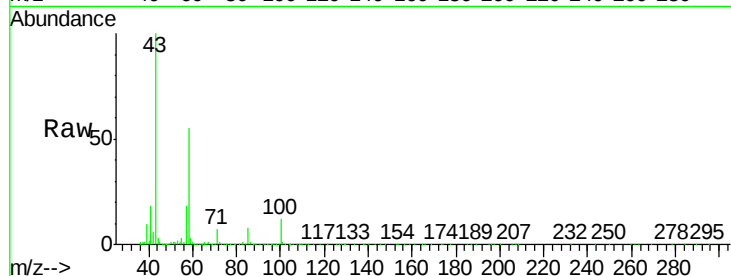
#59
2-Hexanone
Concen: 23.741 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	44.6	66.8
57	18.3	14.6	21.8

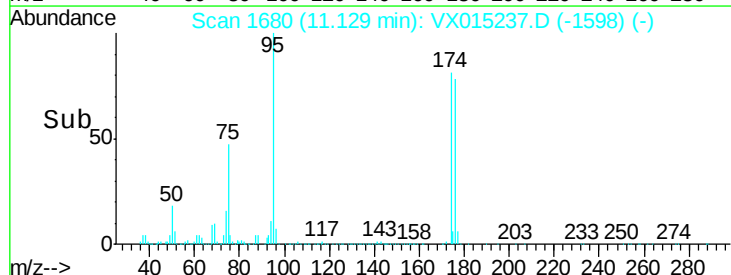
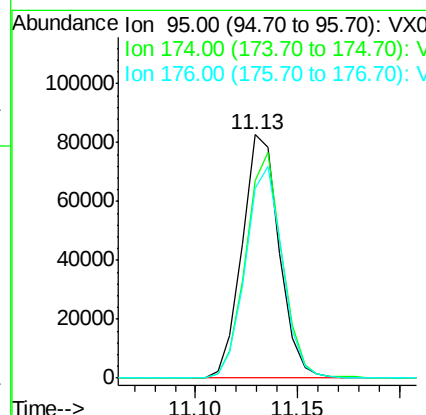
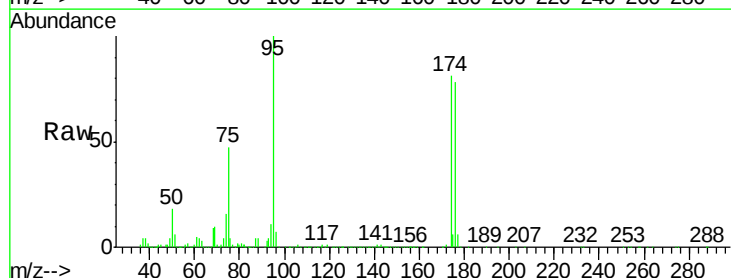
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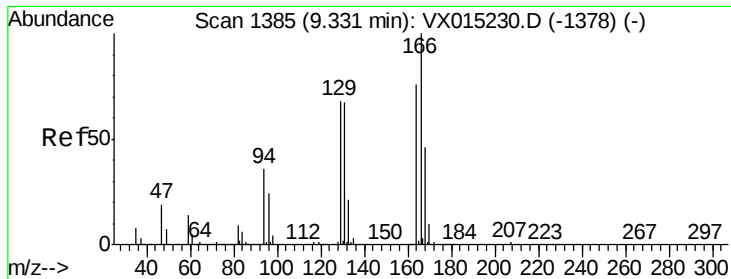
MMDadoda
3/16/2020 11:43:47 AM



#60
4-Bromofluorobenzene
Concen: 28.970 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	72.0	108.0
176	87.6	70.1	105.1





#61

Tetrachloroethene

Concen: 5.313 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX015237.D

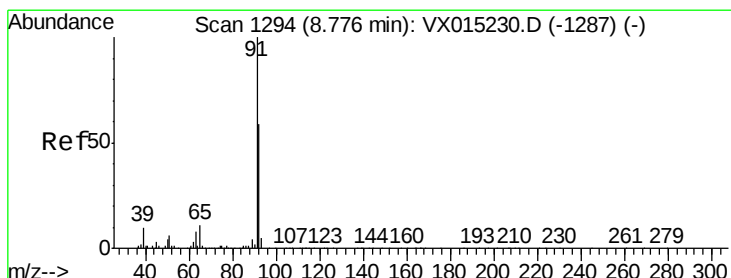
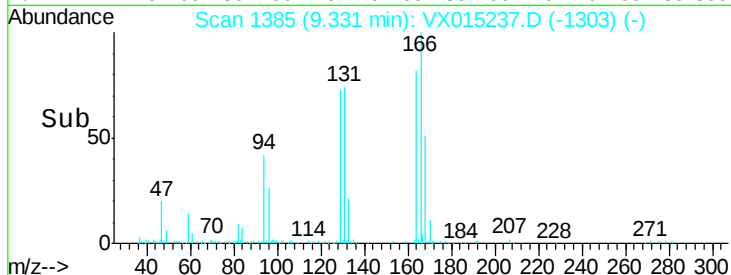
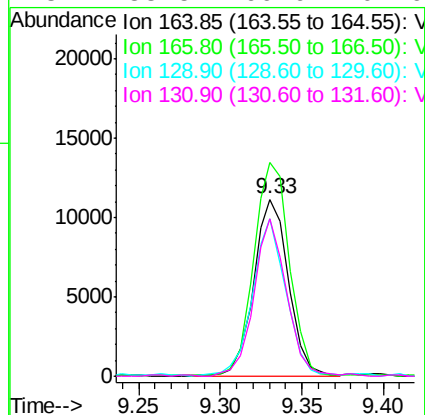
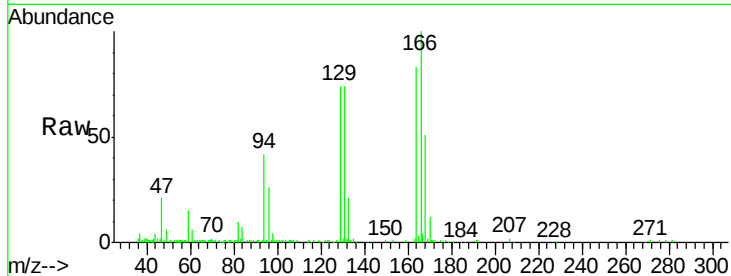
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:	164	Resp:	16605
Ion	Ratio	Lower	Upper
164	100		
166	119.8	105.1	157.7
129	88.6	71.5	107.3
131	88.5	69.9	104.9

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#62

Toluene

Concen: 5.105 ug/l

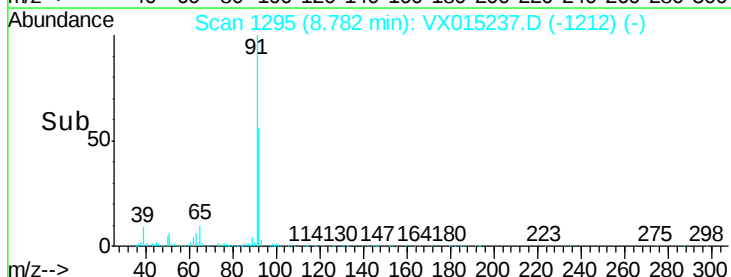
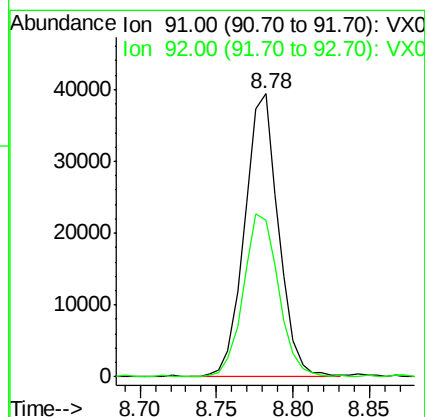
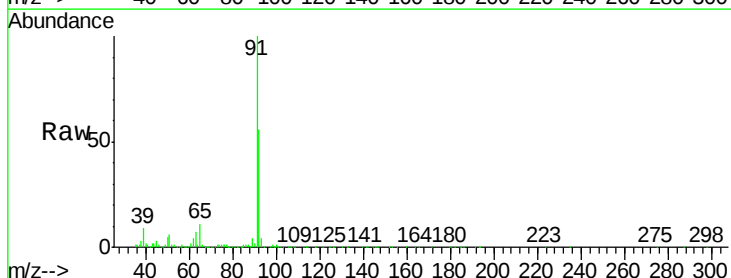
RT: 8.78 min Scan# 1295

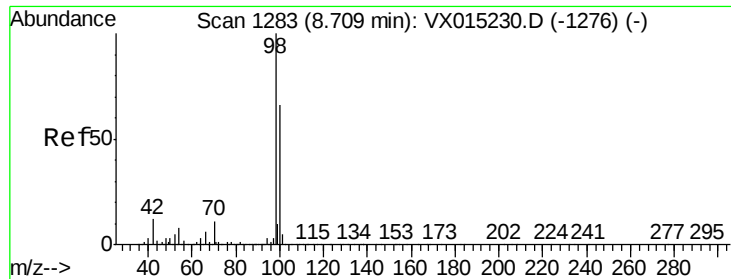
Delta R.T. 0.01 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	91	Resp:	60649
Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.1	70.7





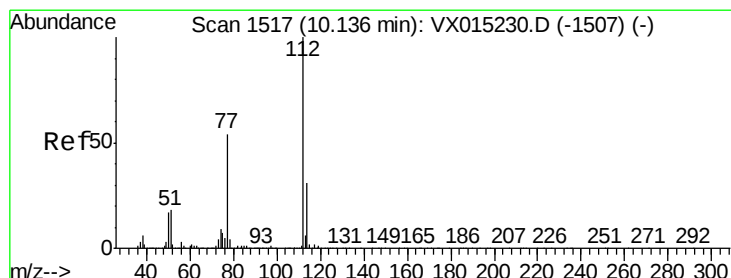
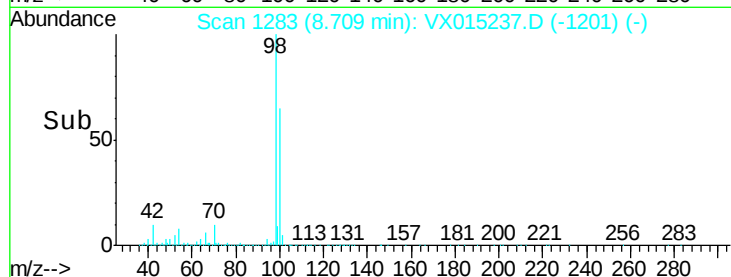
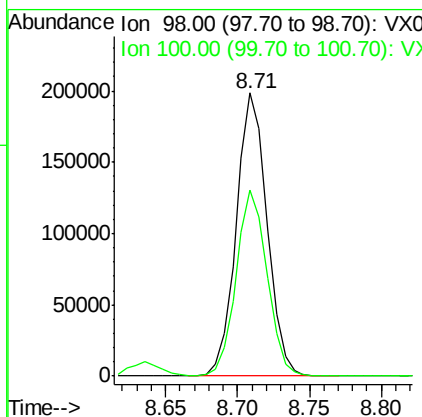
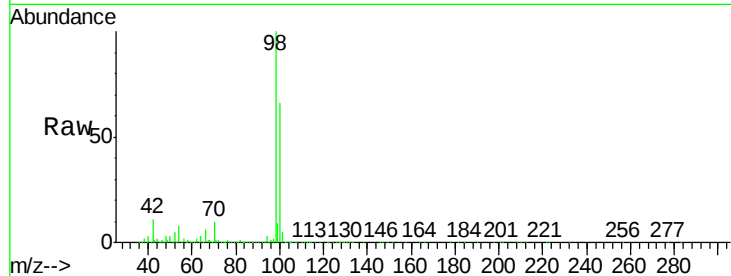
#63
Toluene-d8
Concen: 30.818 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4

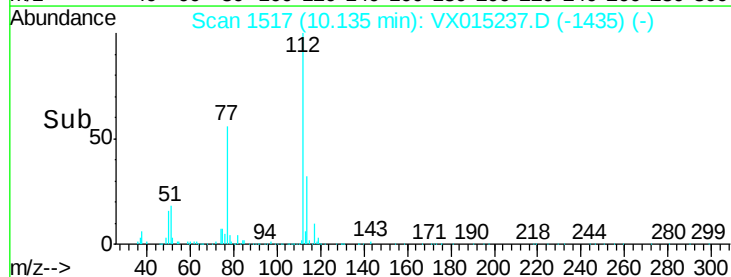
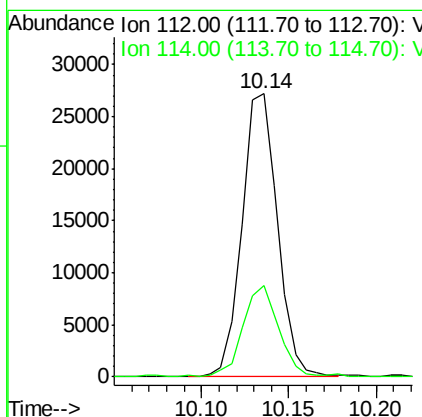
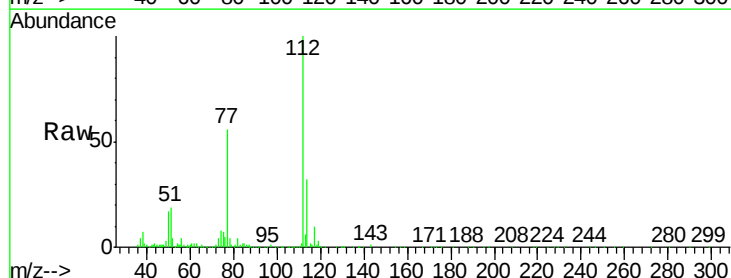
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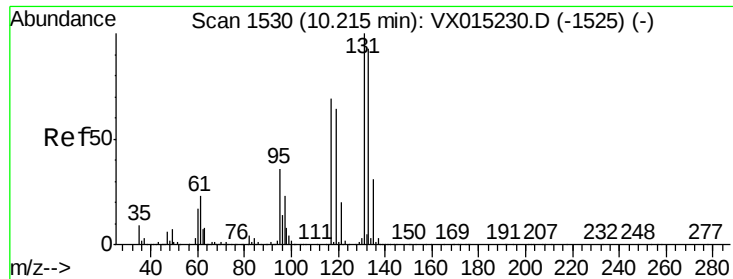
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#64
Chlorobenzene
Concen: 5.053 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 4.864 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

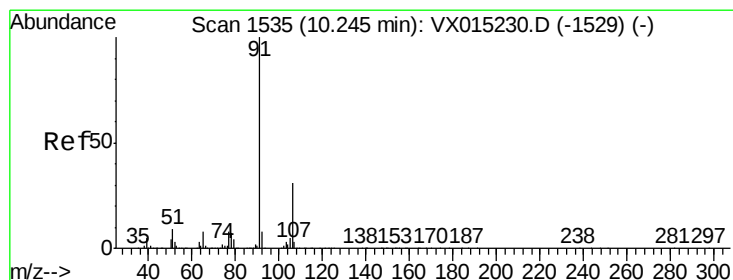
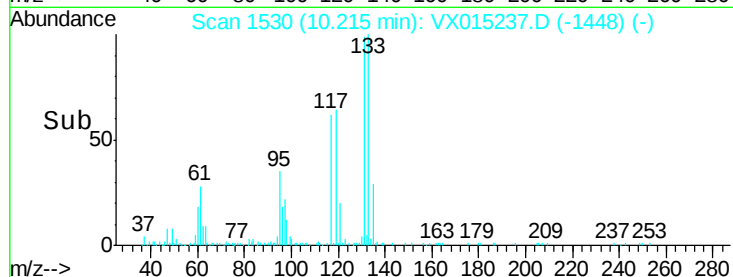
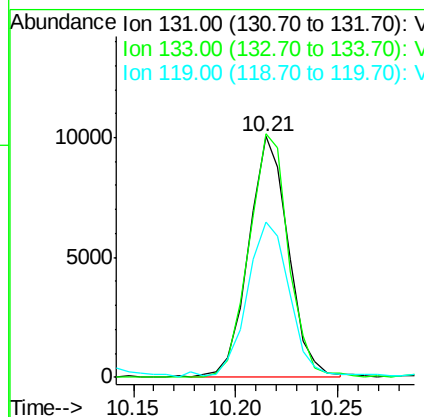
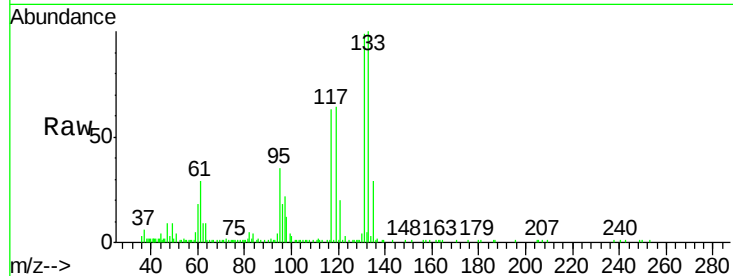
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	131	Resp:	13601
Ion Ratio	Lower	Upper	
131	100		
133	99.9	0.0	188.0
119	68.9	0.0	131.0

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#66

Ethyl Benzene

Concen: 4.803 ug/l

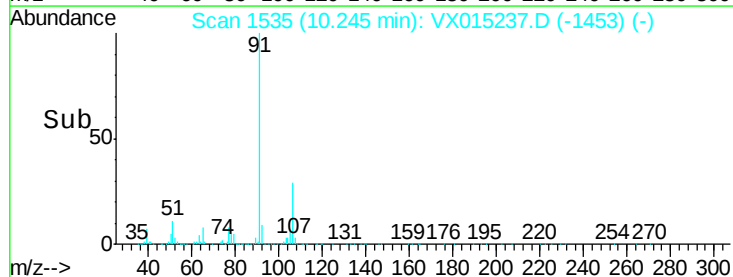
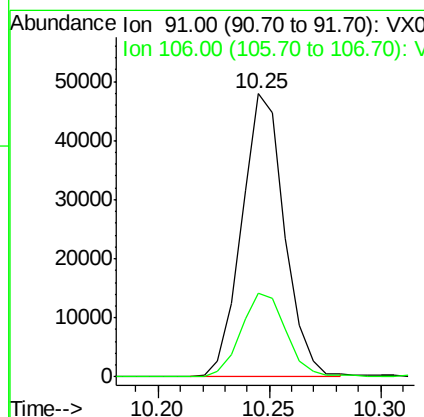
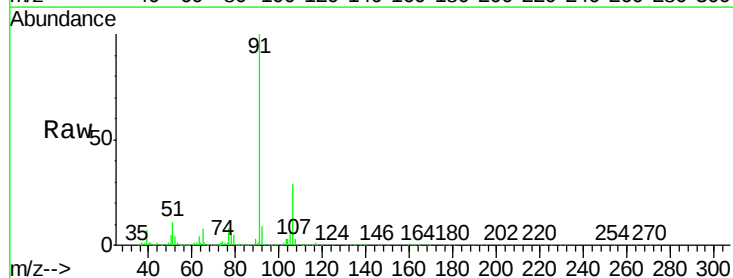
RT: 10.25 min Scan# 1535

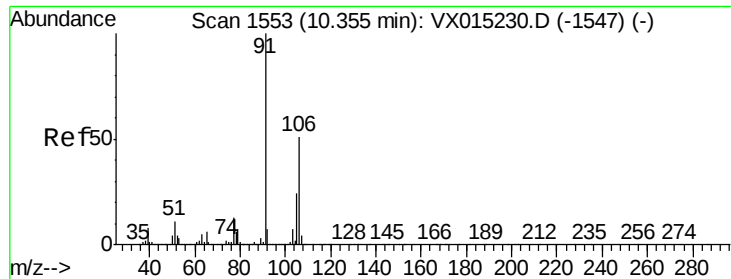
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	91	Resp:	63565
Ion Ratio	Lower	Upper	
91	100		
106	29.1	24.9	37.3





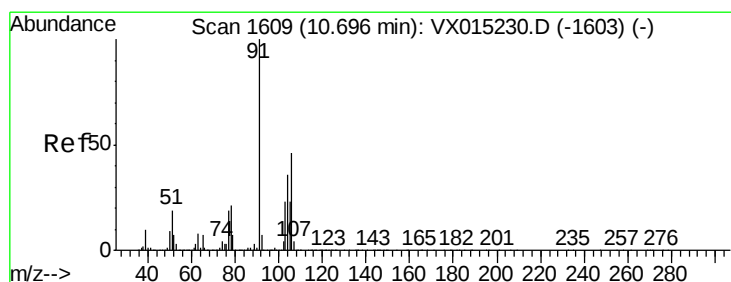
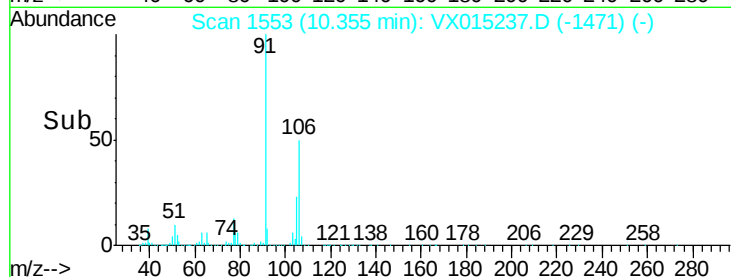
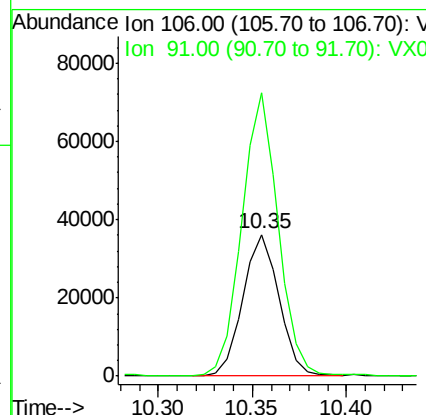
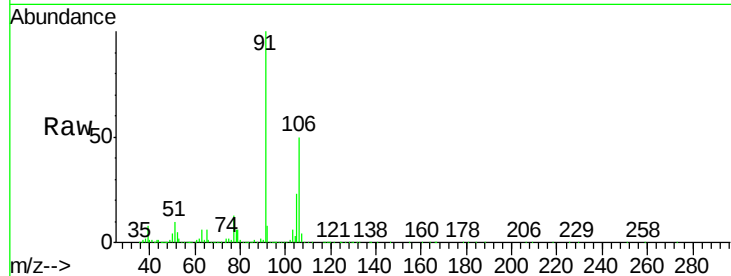
#67
m/p-Xylenes
Concen: 9.522 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 48372
Ion Ratio Lower Upper
106 100
91 200.5 160.1 240.1

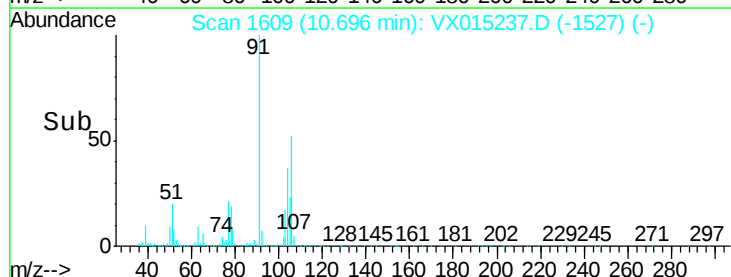
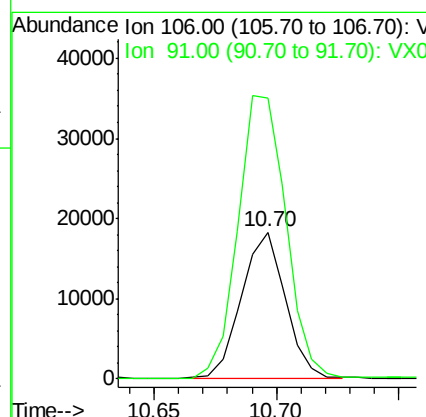
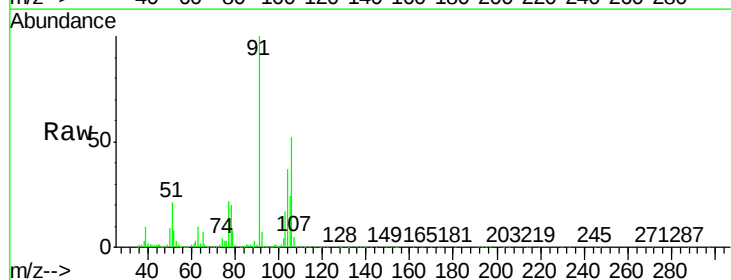
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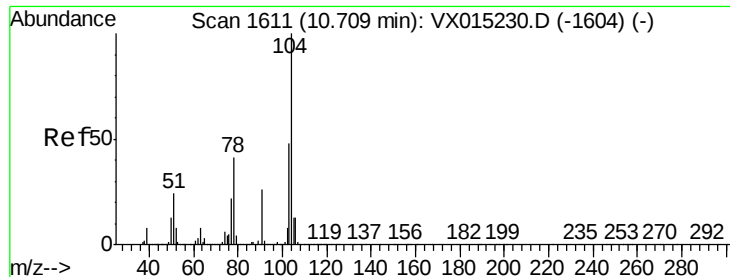
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#68
o-Xylene
Concen: 4.721 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion:106 Resp: 22996
Ion Ratio Lower Upper
106 100
91 207.7 106.4 319.2





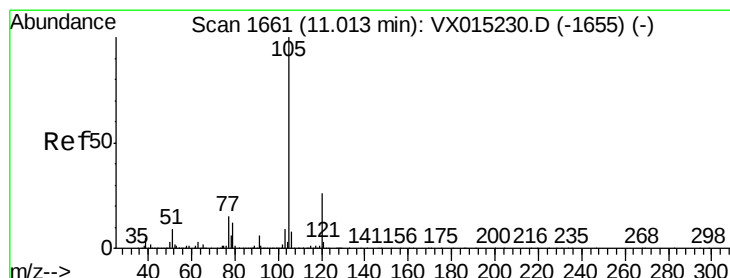
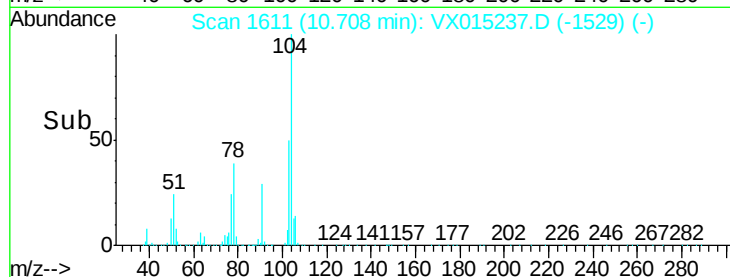
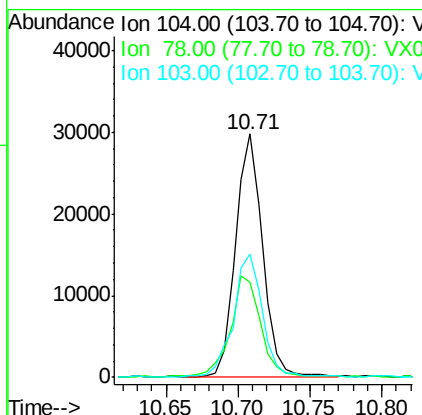
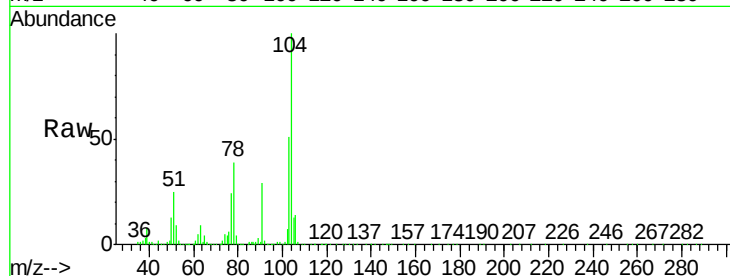
#69
Stvrene
Concen: 4.590 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	38.9	58.3
103	55.0	43.2	64.8

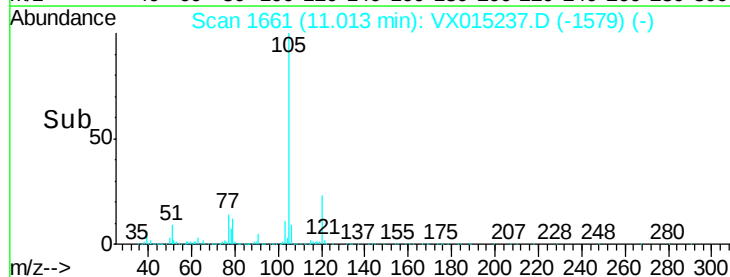
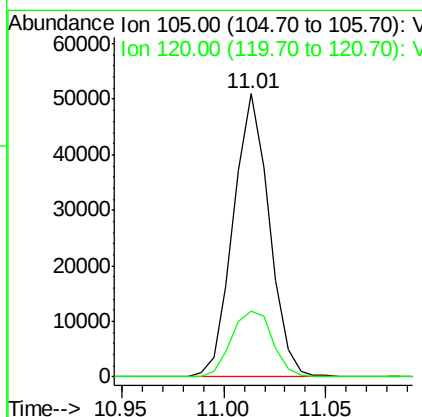
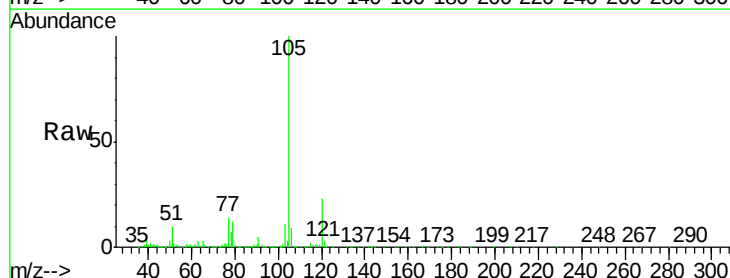
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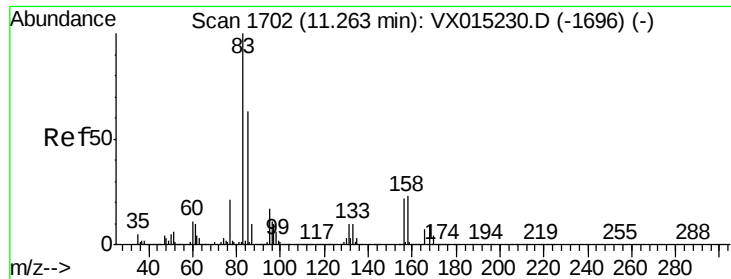
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#70
Isopropylbenzene
Concen: 4.809 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6





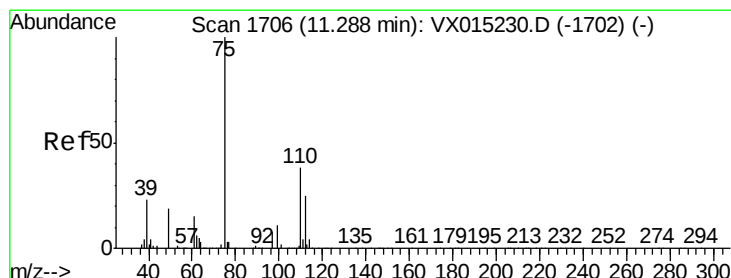
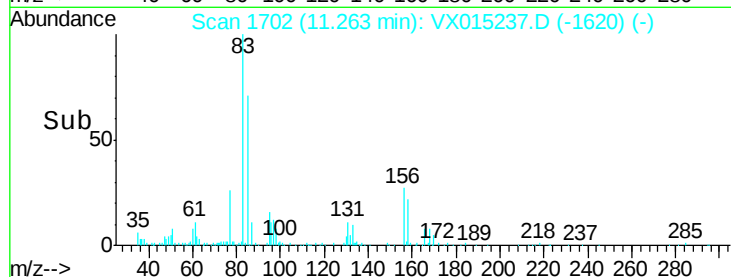
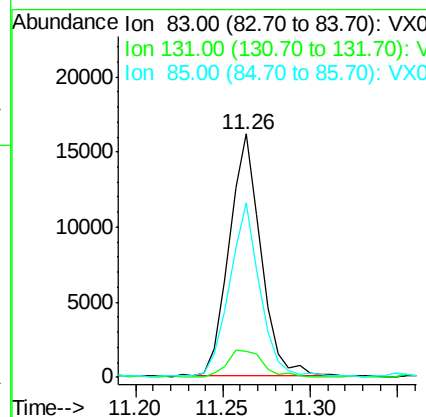
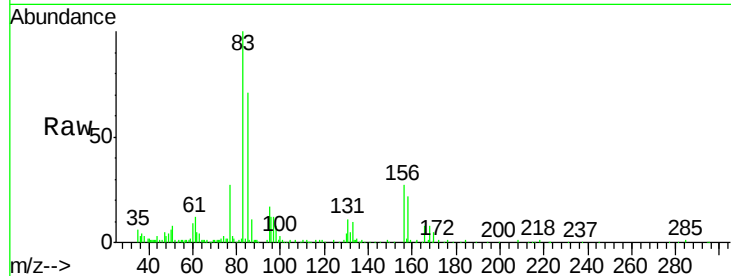
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.815 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.0	14.9
85	68.7	31.8	95.4

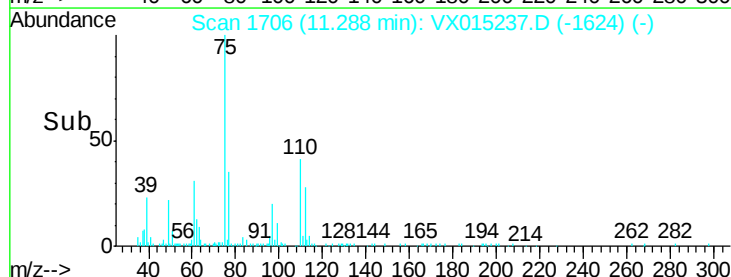
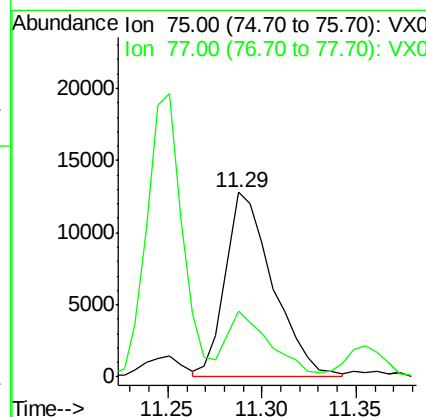
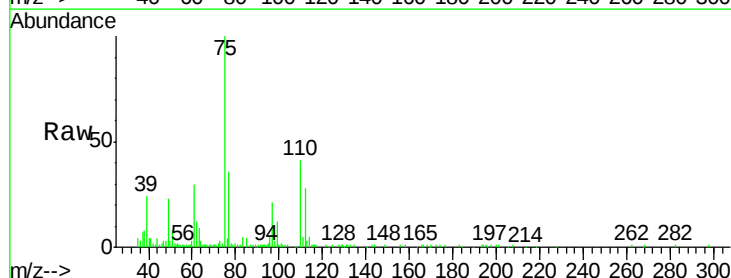
Manual Integrations
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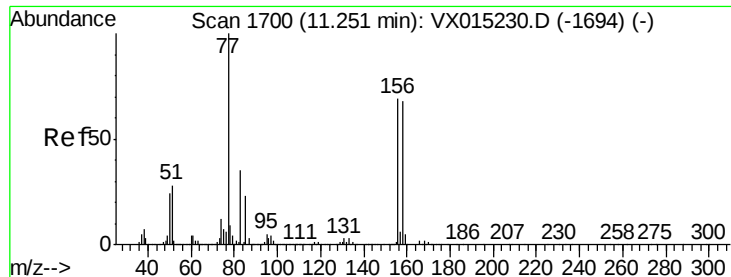
MMDadoda
 3/16/2020 11:43:47 AM



#72
 1,2,3-Trichloropropane
 Concen: 6.432 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX015237.D
 Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	0.0	83.0





#73

Bromobenzene

Concen: 5.000 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

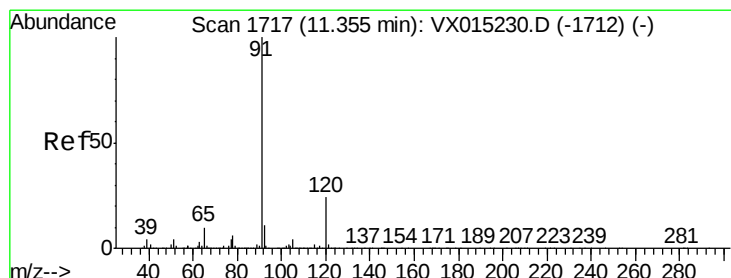
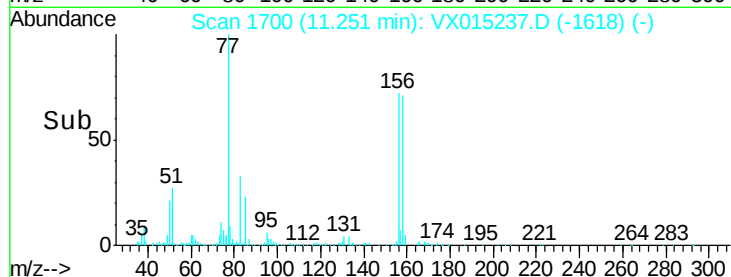
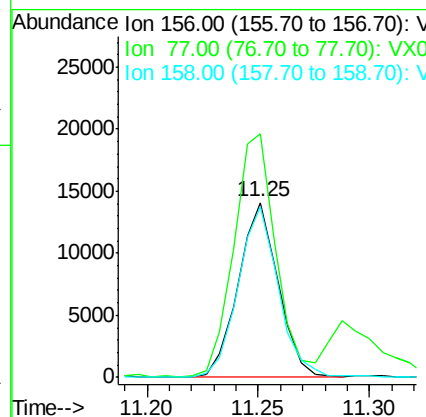
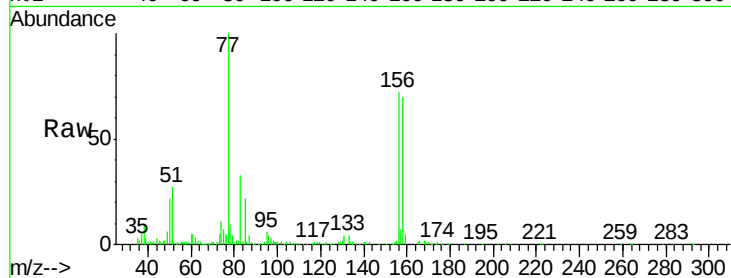
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	156	Resp:	17679
Ion Ratio	Lower	Upper	
156	100		
77	145.5	0.0	305.0
158	98.2	0.0	197.2

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3/16/2020 11:43:47 AM



#74

n-propylbenzene

Concen: 4.585 ug/l

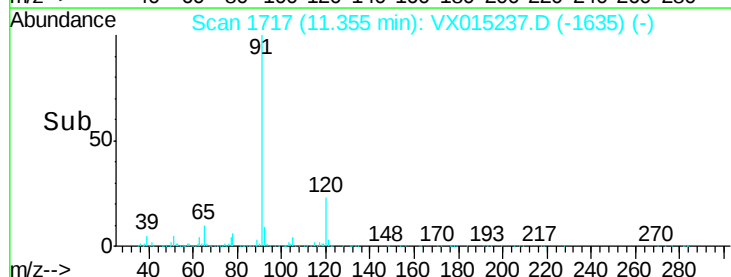
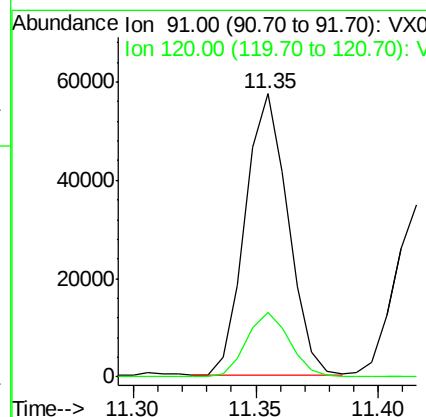
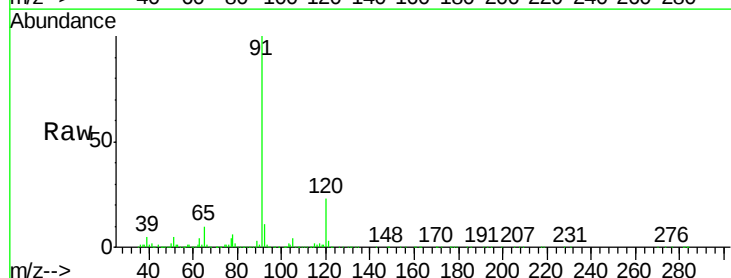
RT: 11.35 min Scan# 1717

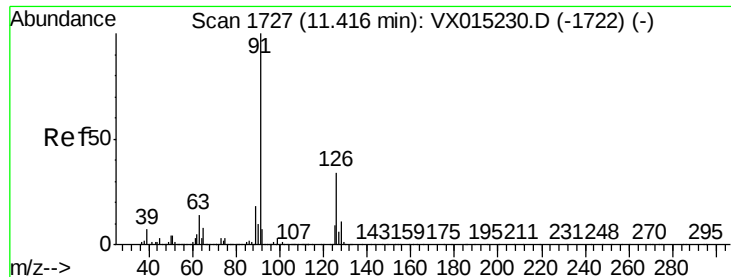
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	91	Resp:	70228
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	47.0





#75

2-Chlorotoluene

Concen: 4.741 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 42391

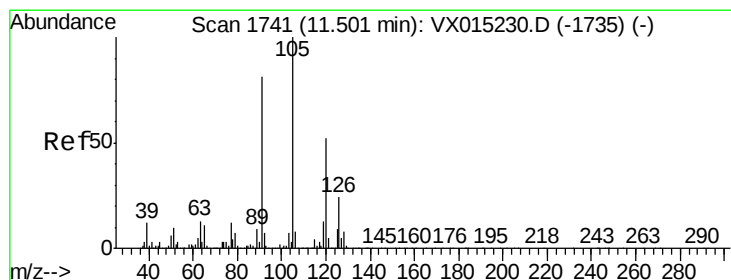
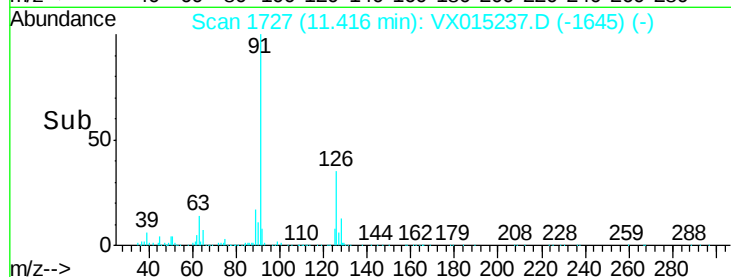
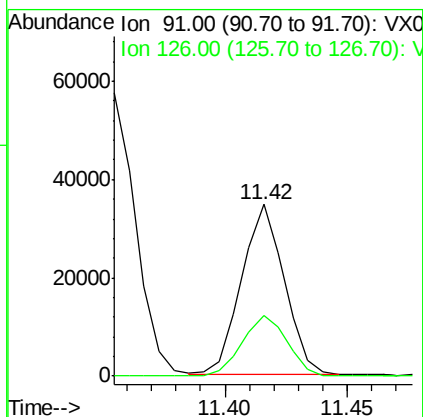
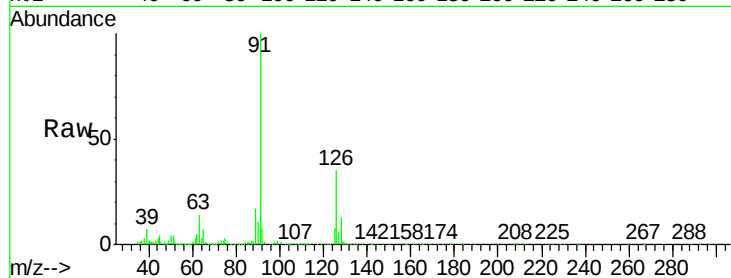
Ion Ratio Lower Upper

91 100

126 36.4 0.0 69.8

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 4.579 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015237.D

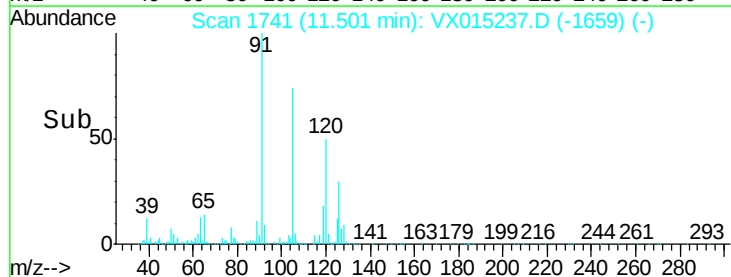
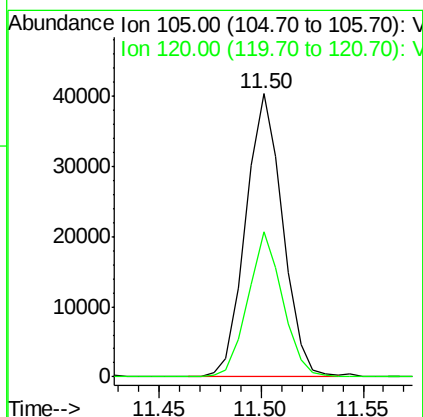
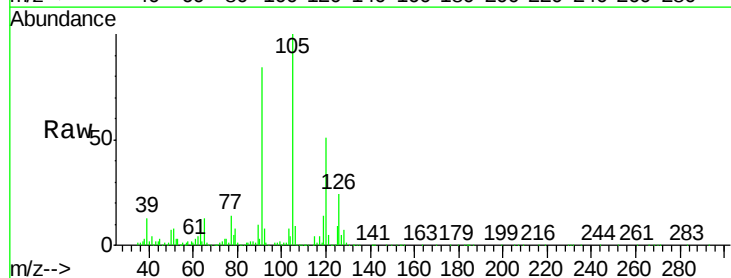
Acq: 12 Mar 2020 16:29

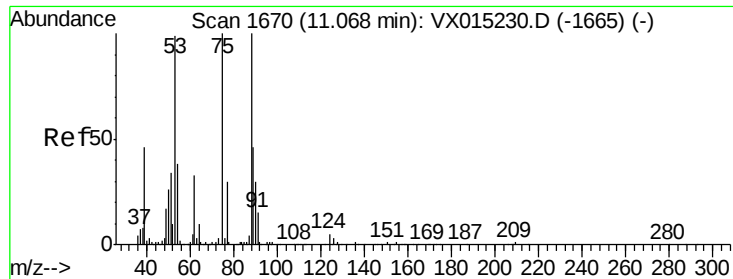
Tgt Ion: 105 Resp: 50669

Ion Ratio Lower Upper

105 100

120 48.7 0.0 101.2





#77

t-1,4-Dichloro-2-butene

Concen: 3.691 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

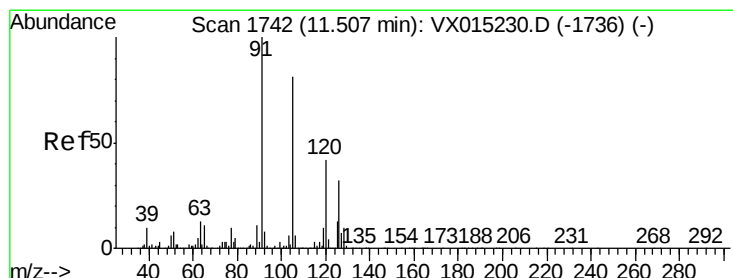
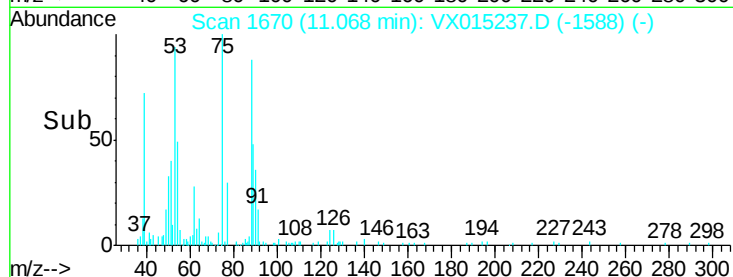
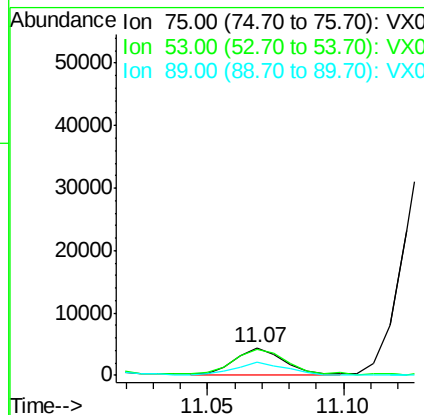
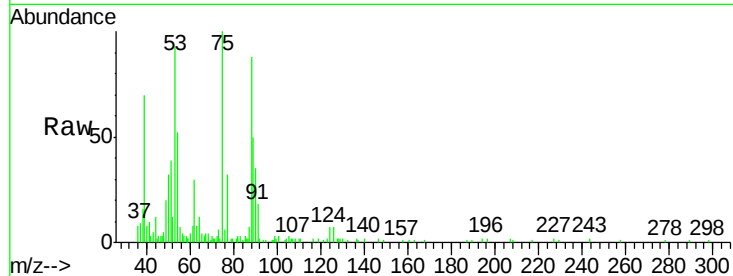
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	75	Resp:	5324
Ion	Ratio	Lower	Upper
75	100		
53	92.4	49.5	148.3
89	49.8	22.9	68.8

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:47 AM



#78

4-Chlorotoluene

Concen: 4.637 ug/l

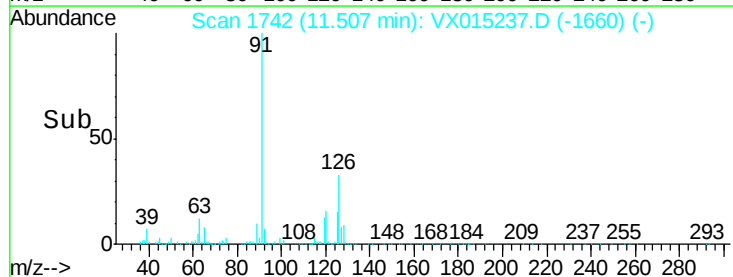
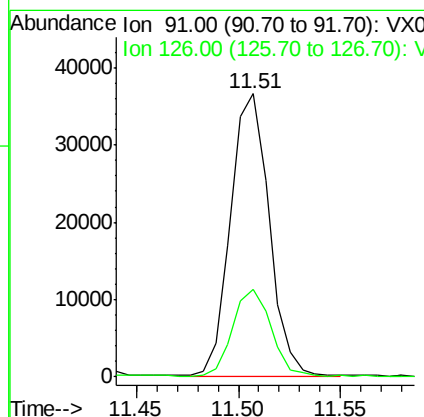
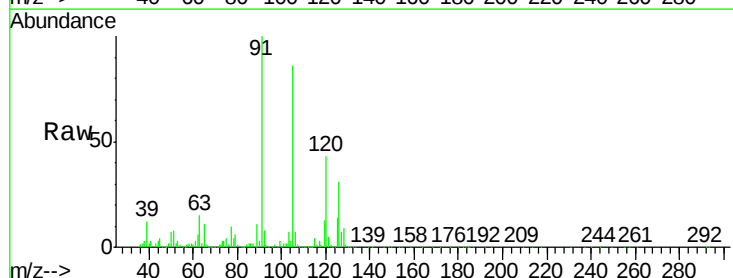
RT: 11.51 min Scan# 1742

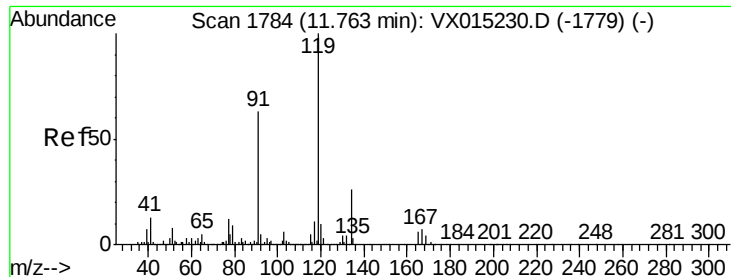
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	91	Resp:	47733
Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.4





#79

tert-butylbenzene

Concen: 4.712 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

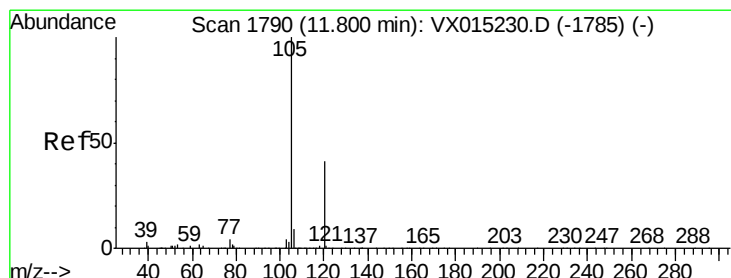
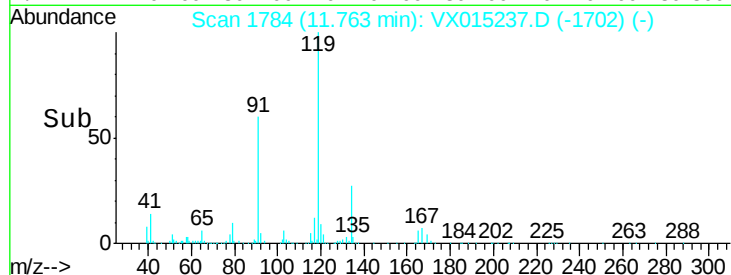
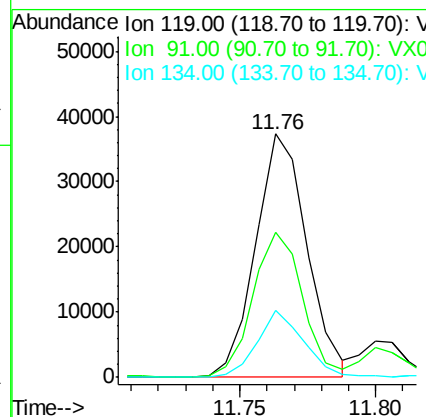
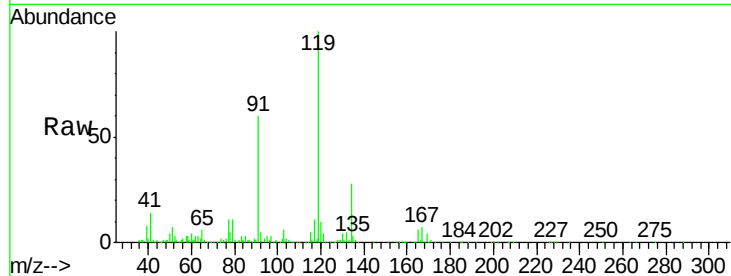
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	119	Resp:	48890
Ion Ratio	Lower	Upper	
119	100		
91	57.5	0.0	115.4
134	25.0	0.0	49.4

Manual Integrations
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3/16/2020 11:43:47 AM



#80

1,2,4-Trimethylbenzene

Concen: 4.630 ug/l

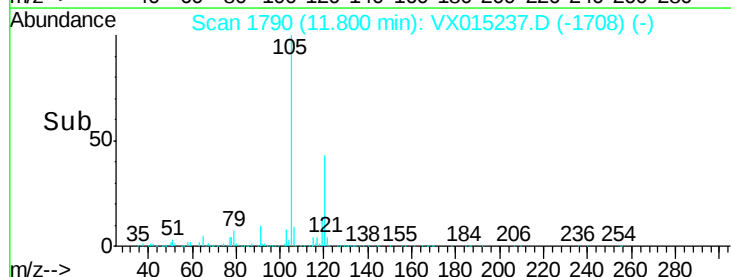
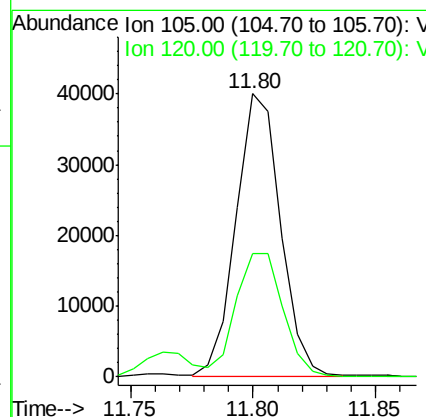
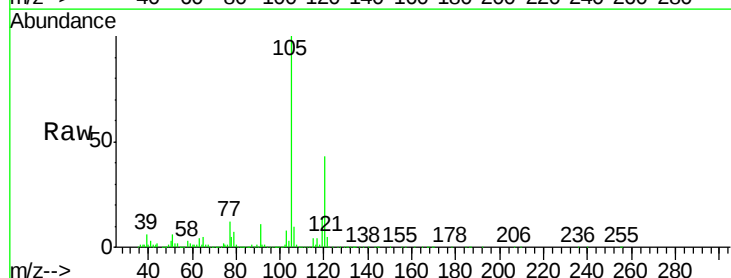
RT: 11.80 min Scan# 1790

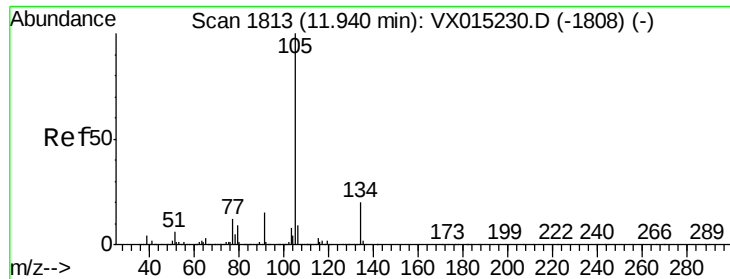
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	105	Resp:	50657
Ion Ratio	Lower	Upper	
105	100		
120	46.3	0.0	93.2





#81

sec-Butylbenzene

Concen: 4.572 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 58871

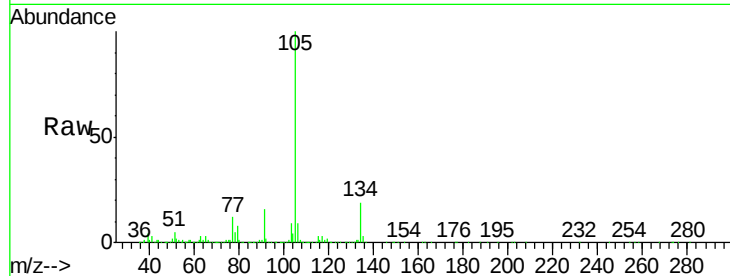
Ion Ratio Lower Upper

105 100

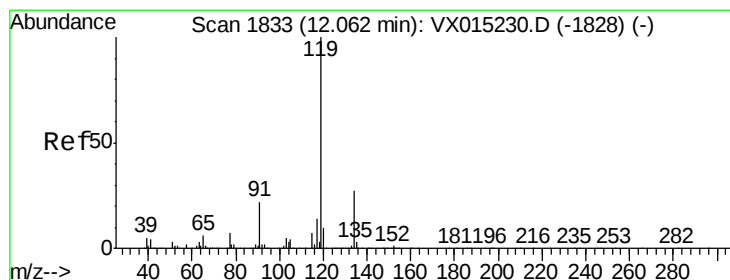
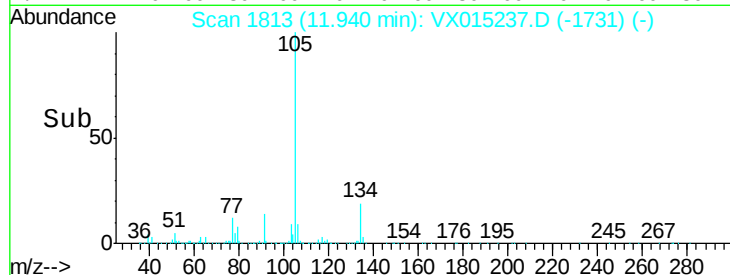
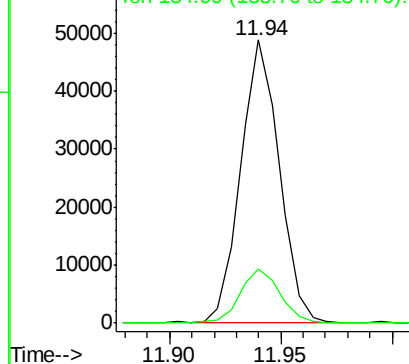
134 20.1 0.0 40.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.492 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

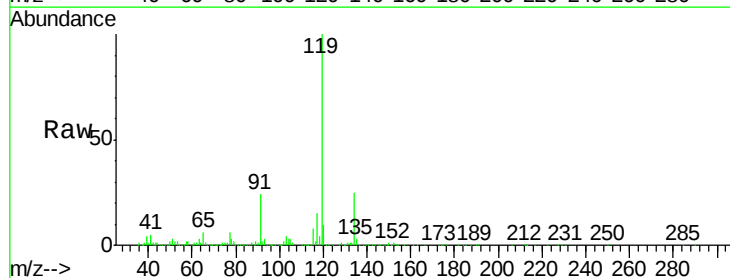
Tgt Ion:119 Resp: 53195

Ion Ratio Lower Upper

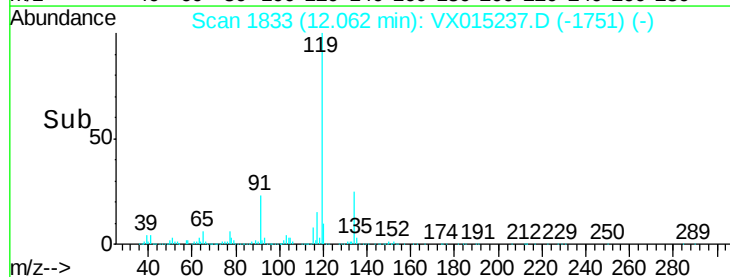
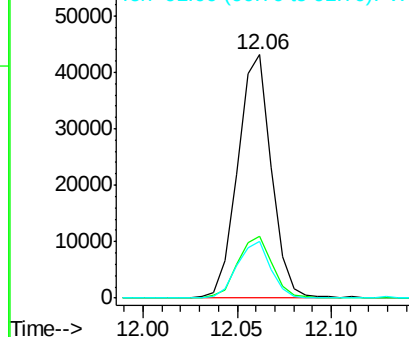
119 100

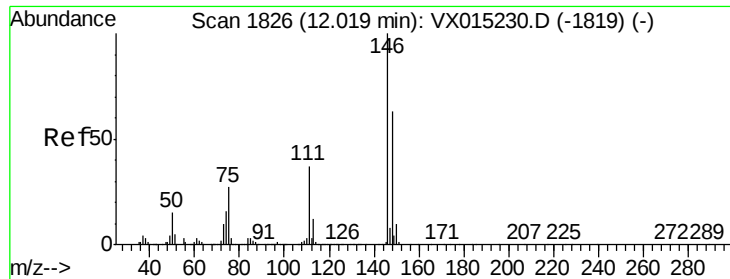
134 26.3 0.0 53.6

91 23.1 0.0 43.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





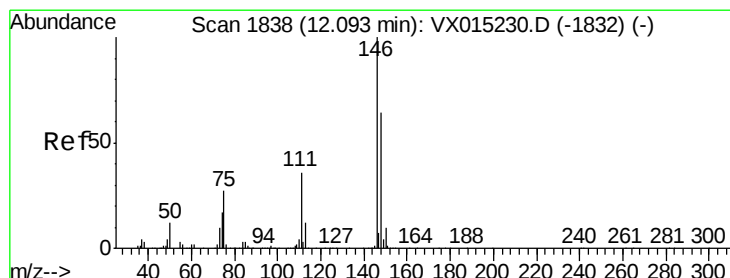
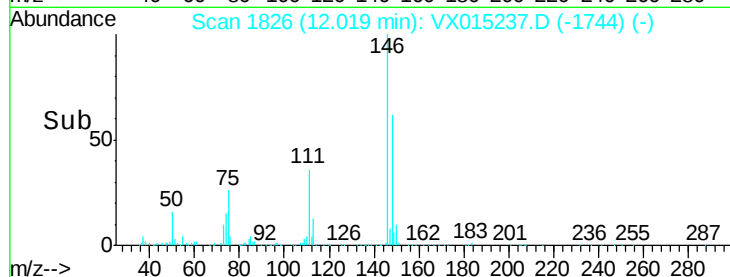
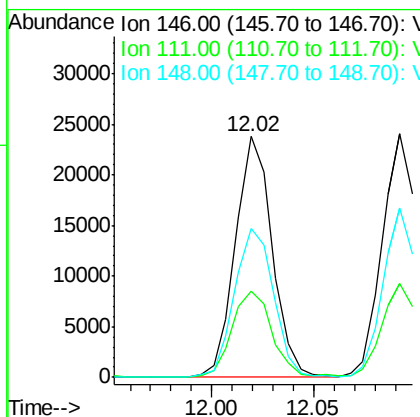
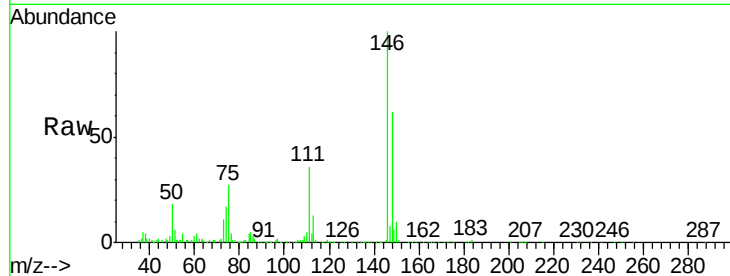
#83
1,3-Dichlorobenzene
Concen: 4.778 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.4
148	65.0	31.9	95.7

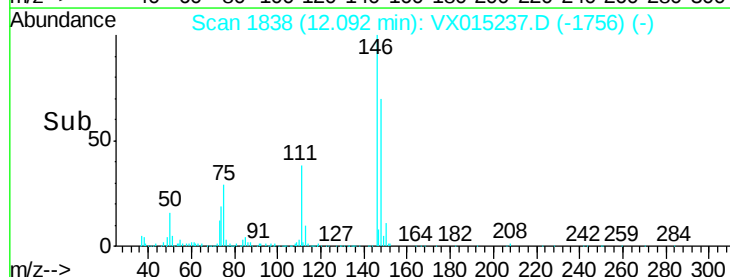
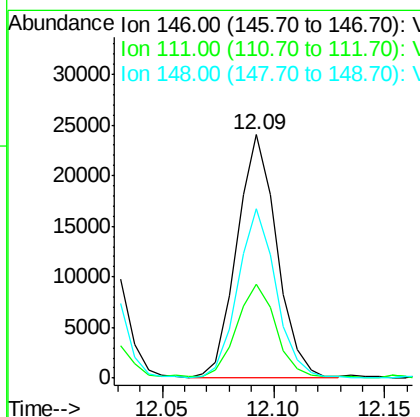
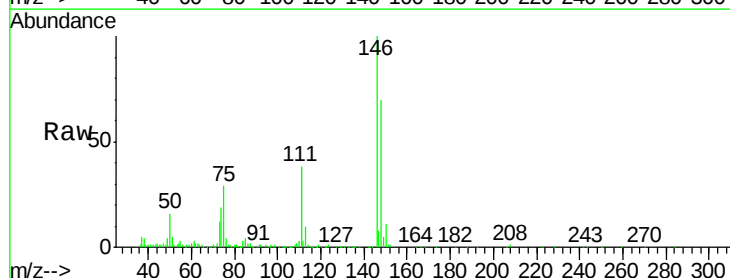
Manual Integrations
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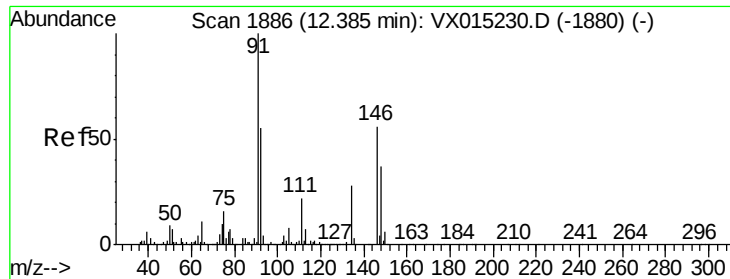
MMDadoda
3/16/2020 11:43:47 AM



#84
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.0
148	66.8	31.9	95.9





#85

n-Butylbenzene

Concen: 4.409 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Instrument :

MSVOA_X

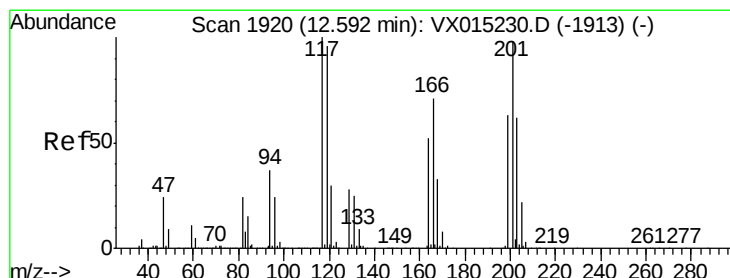
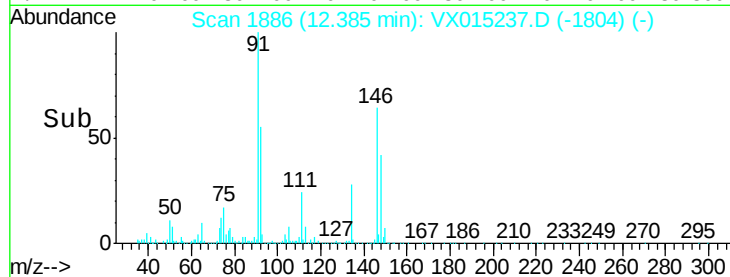
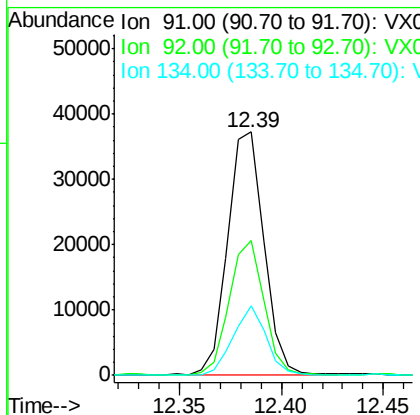
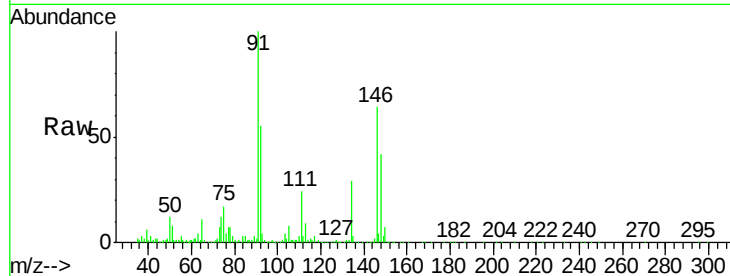
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	91	Resp:	45755
Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	109.4
134	26.2	0.0	53.0

Manual Integrations
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3/16/2020 11:43:47 AM



#86

Hexachloroethane

Concen: 4.596 ug/l

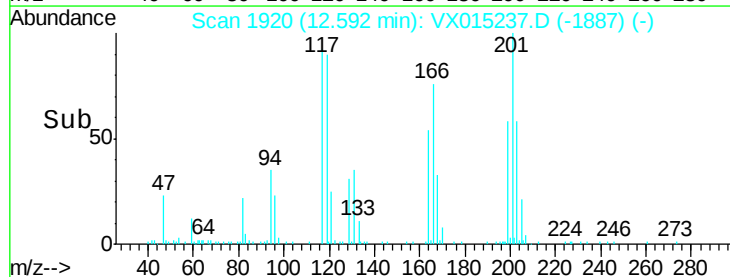
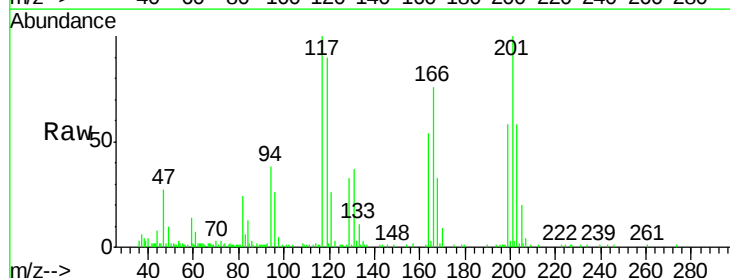
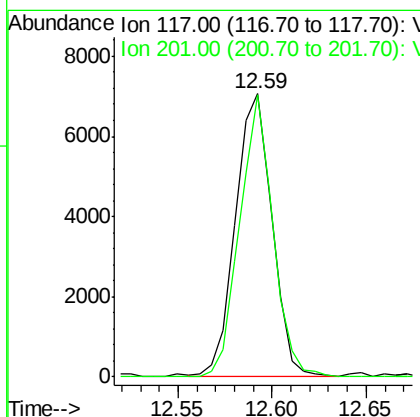
RT: 12.59 min Scan# 1920

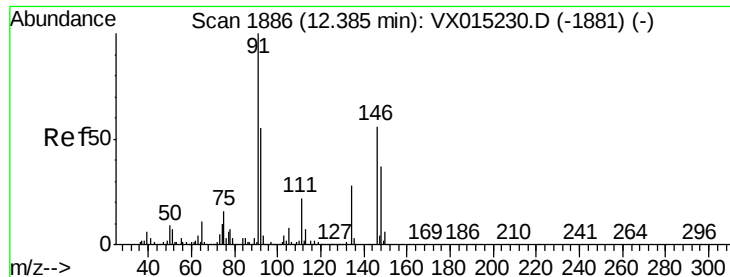
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion:	117	Resp:	9527
Ion	Ratio	Lower	Upper
117	100		
201	90.3	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 4.905 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

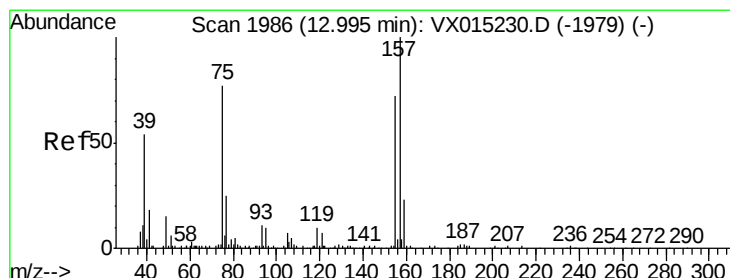
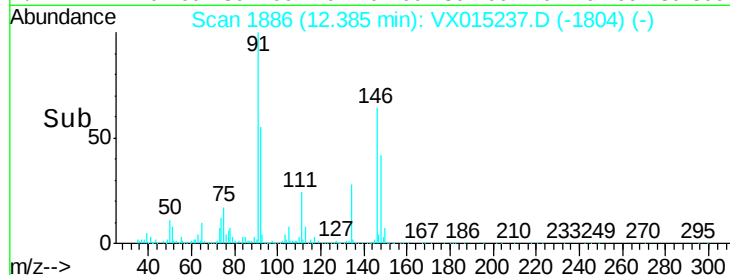
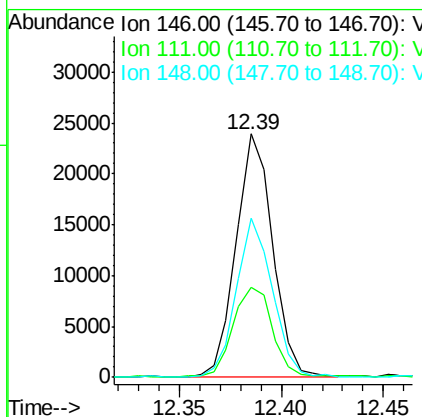
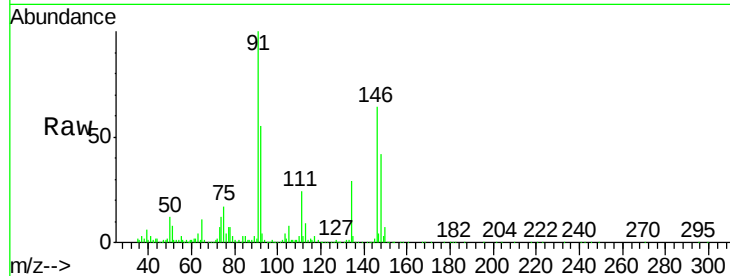
Instrument :
MSVOA_X

ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.4
148	64.0	32.4	97.0

Manual Integrations
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3/16/2020 11:43:47 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.859 ug/l

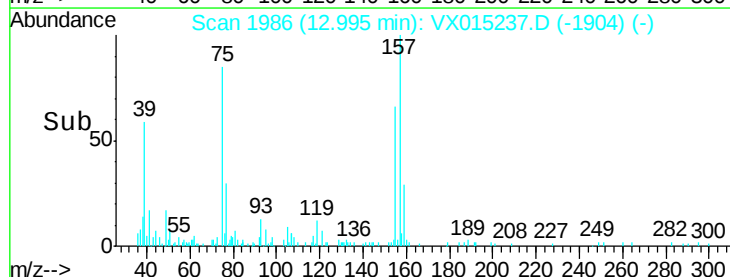
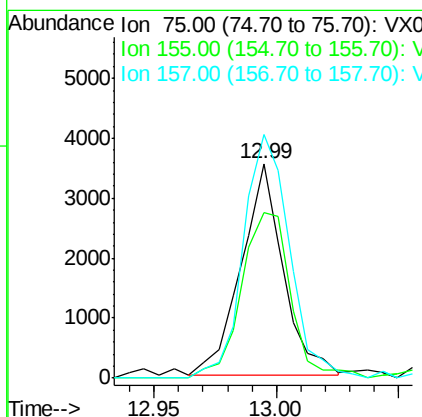
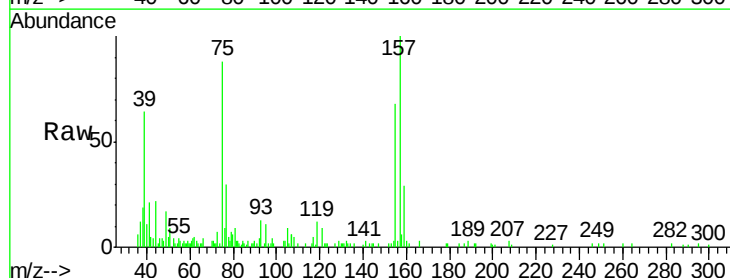
RT: 12.99 min Scan# 1986

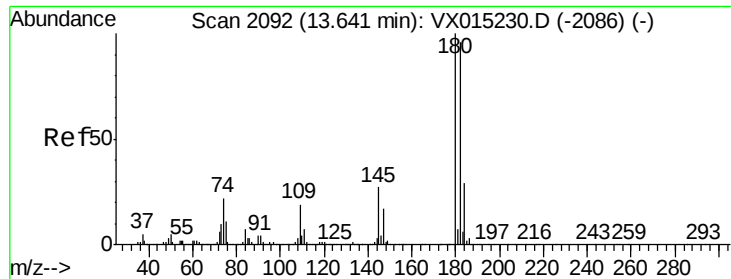
Delta R.T. -0.00 min

Lab File: VX015237.D

Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	77.5	116.3
157	126.9	103.0	154.4





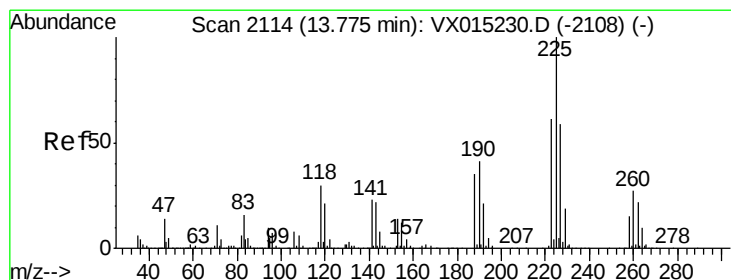
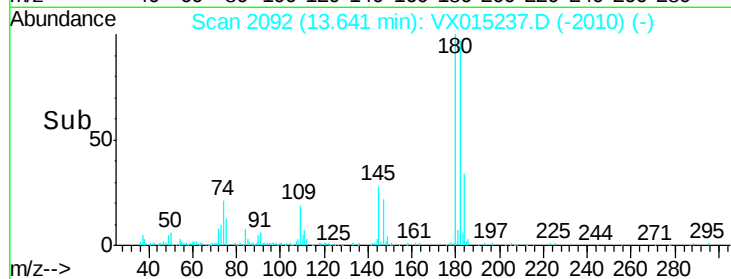
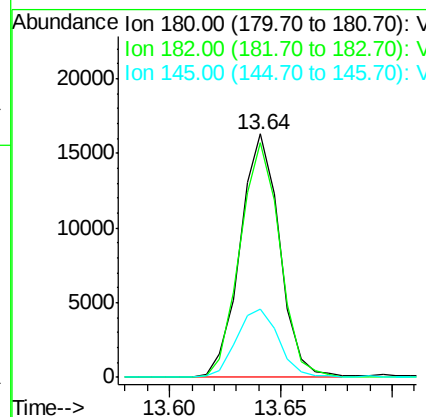
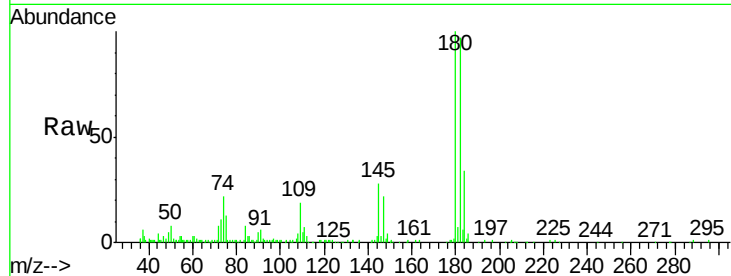
#89
1,2,4-Trichlorobenzene
Concen: 4.481 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	115.0
145	30.2	22.7	34.1

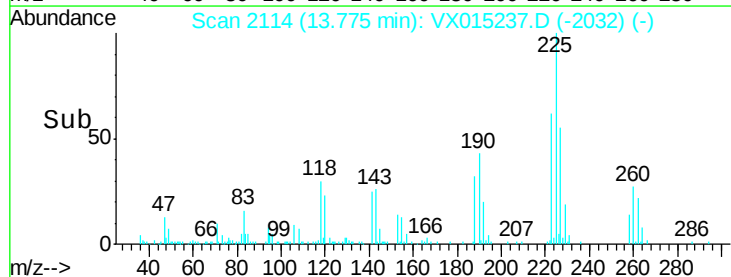
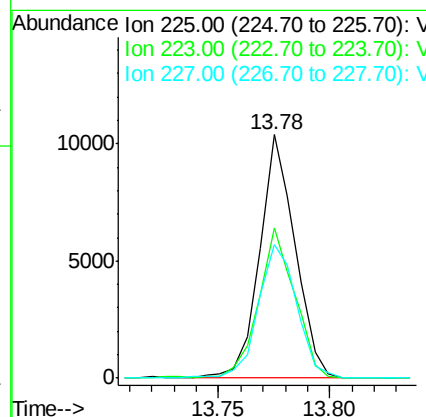
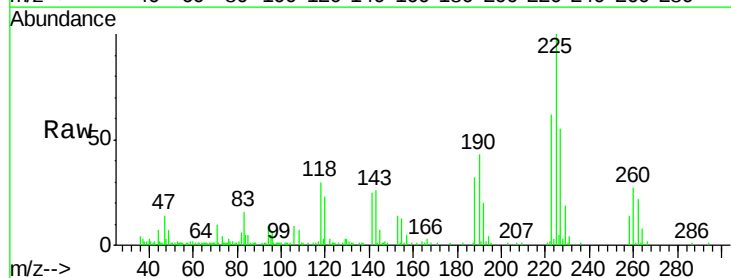
Manual Integrations
APPROVED

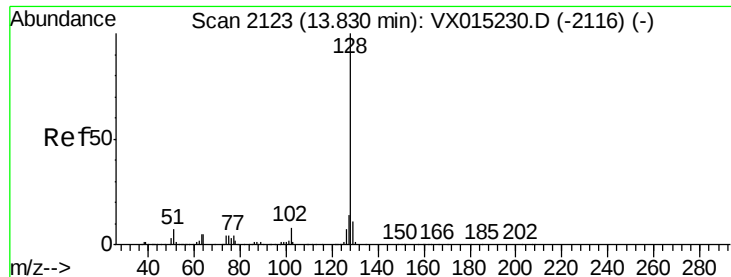
MMDadoda
3/16/2020 11:43:47 AM



#90
Hexachlorobutadiene
Concen: 4.977 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	125.0
227	59.1	0.0	126.2





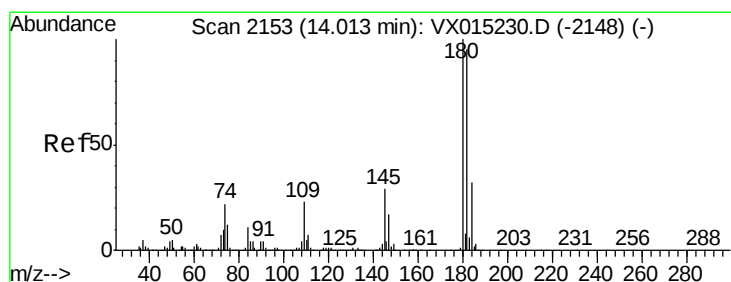
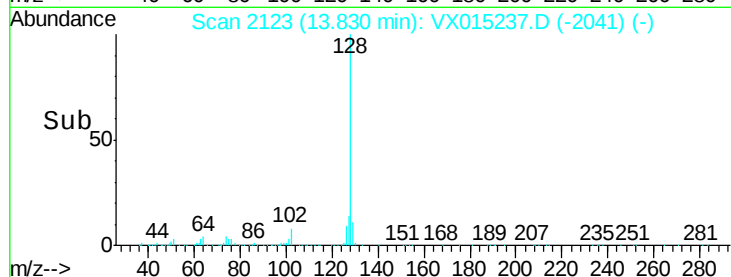
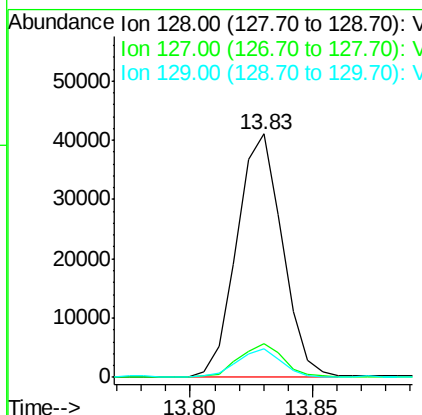
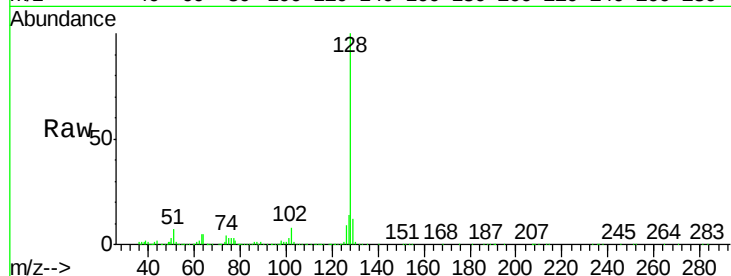
#91
Naphthalene
Concen: 4.282 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:47 AM



#92
1,2,3-Trichlorobenzene
Concen: 4.462 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015237.D
Acq: 12 Mar 2020 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	0.0	192.0
145	31.7	0.0	60.0

