

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003352.D
 Acq On : 12 Jul 2018 15:36
 Operator : JC/MD
 Sample : J3762-08 LOO 10PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:54 AM

Quant Time: Jul 12 17:21:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	57839	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.87	114	290372	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	268359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	115173	29.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.20%
60) 4-Bromofluorobenzene	11.14	95	128340	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.72	98	364076	30.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	32062	7.302	ug/l 98
3) Chloromethane	1.32	50	37619	8.627	ug/l 96
4) Vinyl Chloride	1.41	62	41333	8.693	ug/l 98
5) Bromomethane	1.64	94	23432	11.886	ug/l 97
6) Chloroethane	1.71	64	25388	8.959	ug/l 93
7) Trichlorofluoromethane	1.92	101	58225	9.192	ug/l 91
8) Diethyl Ether	2.19	74	25513	9.850	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36960	9.532	ug/l 99
10) 1,1-Dichloroethene	2.37	96	34597	9.616	ug/l 88
11) Methyl Iodide	2.51	142	26785	13.494	ug/l 94
12) Methyl Acetate	2.78	43	49122	8.410	ug/l # 91
13) Acrolein	2.29	56	29579	65.174	ug/l 99
14) Acrylonitrile	3.15	53	109628	49.872	ug/l 98
15) Acetone	2.45	58	29674	51.494	ug/l 75
16) Carbon Disulfide	2.57	76	93912	9.138	ug/l 97
17) Allyl chloride	2.73	41	66144	9.665	ug/l 87
18) Methylene Chloride	2.86	84	41968	9.940	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	37298	9.613	ug/l 98
20) Diisopropyl ether	3.88	45	116218	9.399	ug/l 93
21) 1,1-Dichloroethane	3.70	63	72625	10.014	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	39862	9.664	ug/l 86
23) tert-Butyl Alcohol	3.09	59	45902	50.293	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	116309	9.680	ug/l 91
25) Chloroform	5.21	83	63786	9.767	ug/l 96
26) Cyclohexane	5.58	56	53787	9.501	ug/l # 95
29) 1,1-Dichloropropene	5.80	75	44210	9.656	ug/l 98
30) 2-Butanone	4.71	43	129249	50.523	ug/l 93
31) 2,2-Dichloropropane	4.58	77	45272	9.156	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	51981	10.028	ug/l 99
33) Carbon Tetrachloride	5.78	117	42823	9.414	ug/l 95
34) Benzene	6.15	78	135650	10.062	ug/l 98
35) Methacrylonitrile	5.06	41	28220	10.427	ug/l 91
36) 1,2-Dichloroethane	6.20	62	48417	10.327	ug/l 96
37) Trichloroethene	7.21	130	37904	10.167	ug/l 91
38) Methylcyclohexane	7.46	83	49123	9.493	ug/l 98
39) 1,2-Dichloropropane	7.52	63	34523	9.910	ug/l 96
40) Dibromomethane	7.67	93	23092	10.094	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	39664	9.278	ug/l	100
42) Vinyl Acetate	3.82	43	488484	49.703	ug/l	97
43) Ethyl Acetate	4.87	43	50341m	10.360	ug/l	
44) Isopropyl Acetate	6.47	43	72464	9.730	ug/l	95
45) 1,4-Dioxane	7.76	88	16274	204.715	ug/l #	84
46) Methyl methacrylate	7.78	41	36218	9.404	ug/l	91
47) n-amyl Acetate	10.90	43	57974	9.037	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	47890	9.205	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	41897	8.892	ug/l	95
50) 1,1,2-Trichloroethane	9.22	97	33931	9.834	ug/l	96
51) Ethyl methacrylate	9.18	69	47596	9.465	ug/l	85
52) 1,3-Dichloropropane	9.38	76	57124	10.080	ug/l	98
53) Dibromochloromethane	9.59	129	30697	8.902	ug/l	99
54) 1,2-Dibromoethane	9.68	107	35124	9.816	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	120845	50.939	ug/l	99
56) Bromoform	10.86	173	22904	8.687	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	236436	49.459	ug/l	94
59) 2-Hexanone	9.50	43	181566	49.590	ug/l	96
61) Tetrachloroethene	9.34	164	42759	10.410	ug/l	99
62) Toluene	8.79	91	149576	10.216	ug/l	99
64) Chlorobenzene	10.14	112	96452	9.948	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	32479	9.444	ug/l	98
66) Ethyl Benzene	10.26	91	158203	9.778	ug/l	100
67) m/p-Xylenes	10.36	106	121633	19.321	ug/l	99
68) o-Xylene	10.70	106	58196	9.608	ug/l	98
69) Styrene	10.71	104	96432	9.577	ug/l	98
70) Isopropylbenzene	11.02	105	158522	9.870	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	50138	9.954	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	44161m	7.496	ug/l	
73) Bromobenzene	11.26	156	43399	9.721	ug/l	97
74) n-propylbenzene	11.36	91	180268	9.637	ug/l	99
75) 2-Chlorotoluene	11.43	91	108276	9.677	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	130037	9.568	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	11469	8.151	ug/l	82
78) 4-Chlorotoluene	11.51	91	125407	9.594	ug/l	99
79) tert-butylbenzene	12.07	119	131992	9.170	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	132369	9.585	ug/l	98
81) sec-Butylbenzene	11.95	105	152394	9.478	ug/l	99
82) p-Isopropyltoluene	12.07	119	131992	9.170	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	78022	9.432	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	78745	9.432	ug/l	100
85) n-Butylbenzene	12.39	91	109090	8.632	ug/l	100
86) Hexachloroethane	12.60	117	17267	8.149	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	79565	9.622	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	9119	8.714	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	52978	8.924	ug/l	100
90) Hexachlorobutadiene	13.79	225	25443	8.747	ug/l	98
91) Naphthalene	13.84	128	152021	8.879	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	54955	9.131	ug/l	99

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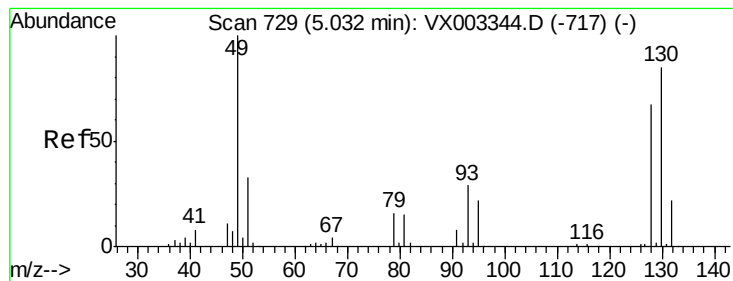
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APPROVED

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

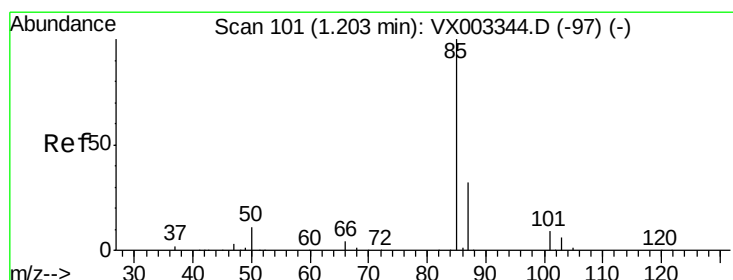
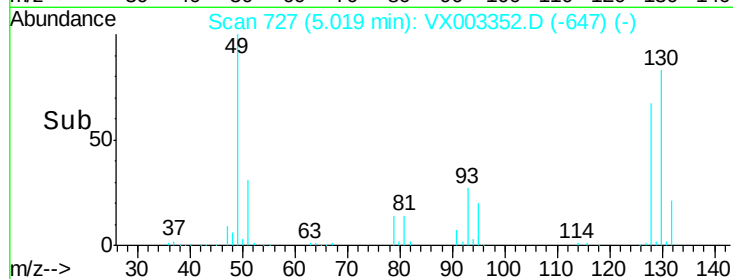
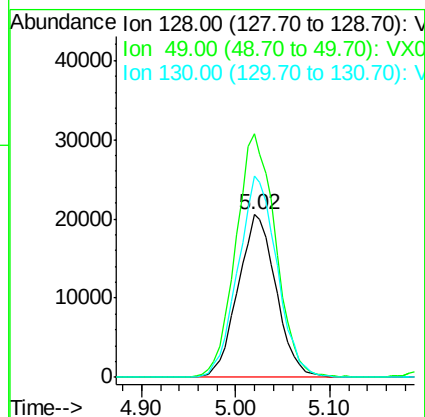
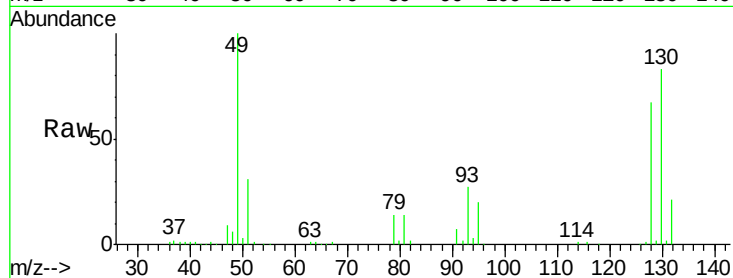
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	128	Resp:	57839
Ion	Ratio	Lower	Upper
128	100		
49	156.2	0.0	423.0
130	126.7	0.0	324.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.302 ug/l

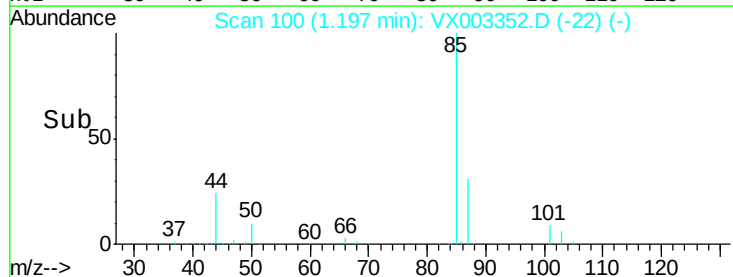
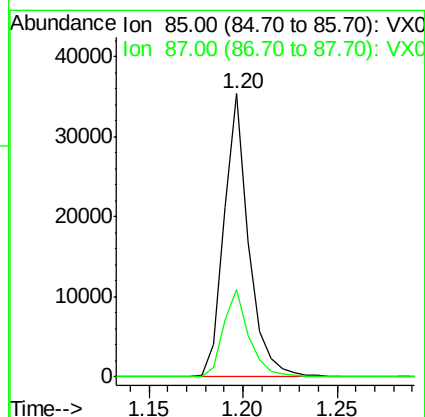
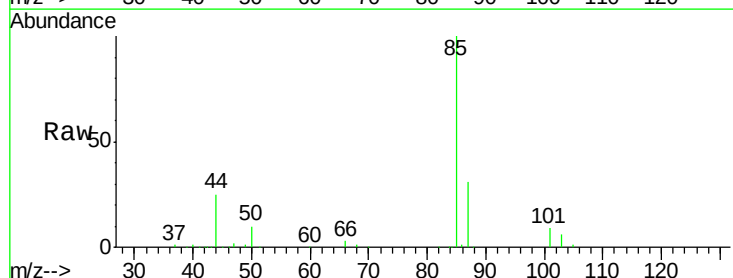
RT: 1.20 min Scan# 100

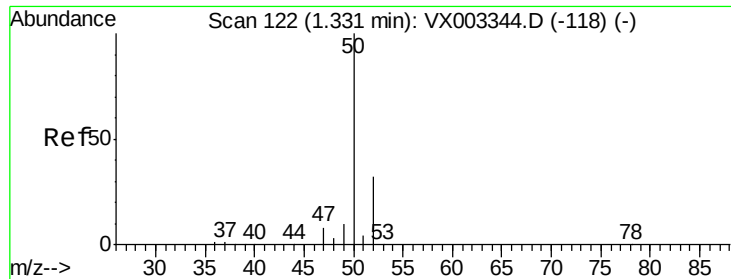
Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Tgt Ion:	85	Resp:	32062
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.2	48.5





#3

Chloromethane

Concen: 8.627 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 37619

Ion Ratio Lower Upper

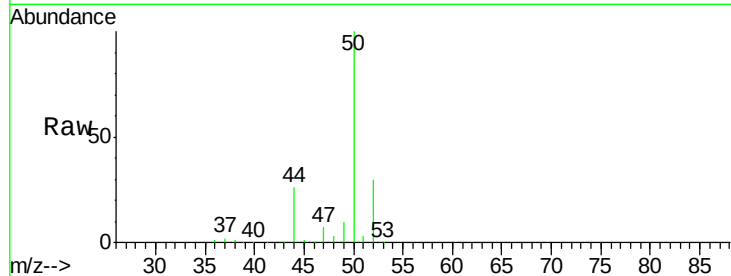
50 100

52 29.9 25.6 38.4

Manual Integrations
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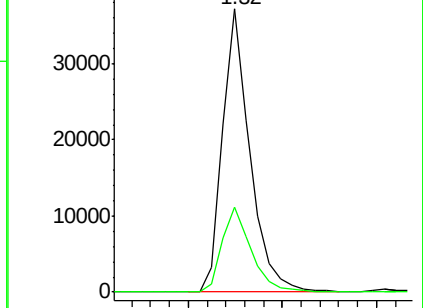
MMDadoda

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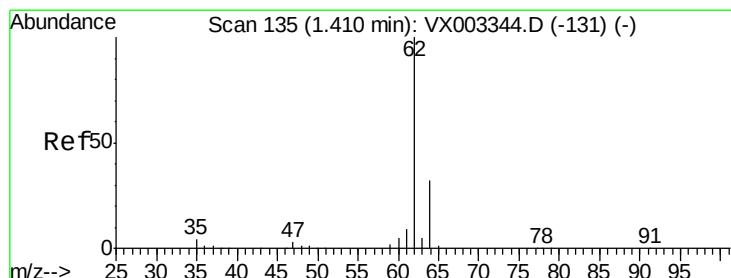
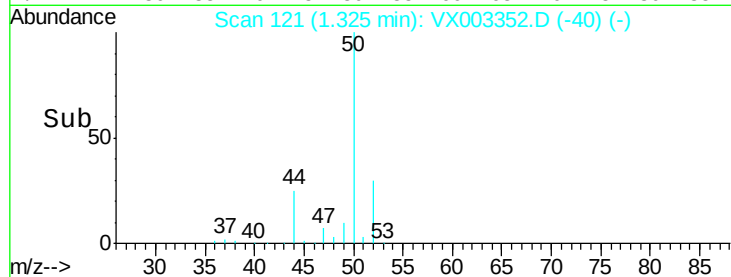


Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#4

Vinyl Chloride

Concen: 8.693 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX003352.D

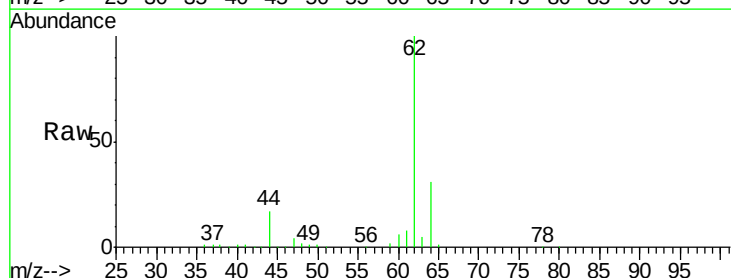
Acq: 12 Jul 2018 15:36

Tgt Ion: 62 Resp: 41333

Ion Ratio Lower Upper

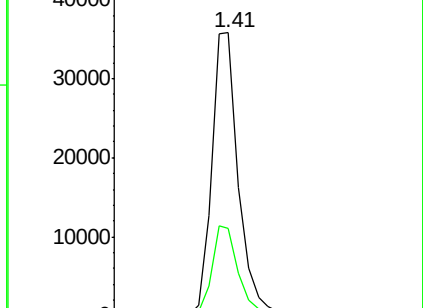
62 100

64 30.7 25.3 37.9

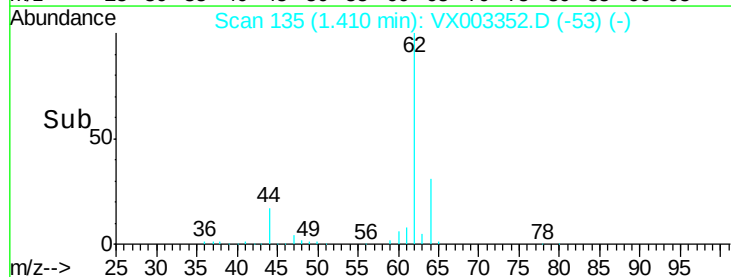


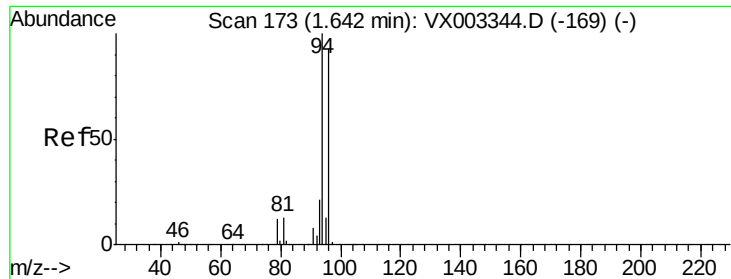
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



Time-->





#5

Bromomethane

Concen: 11.886 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 23432

Ion Ratio Lower Upper

94 100

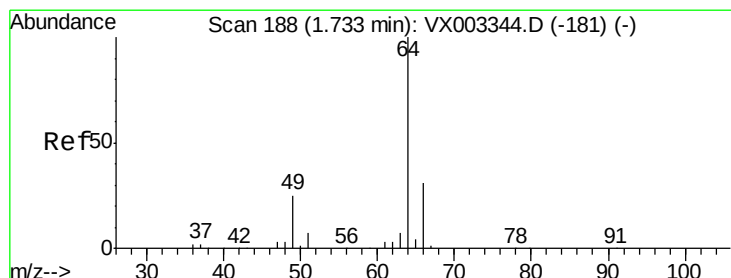
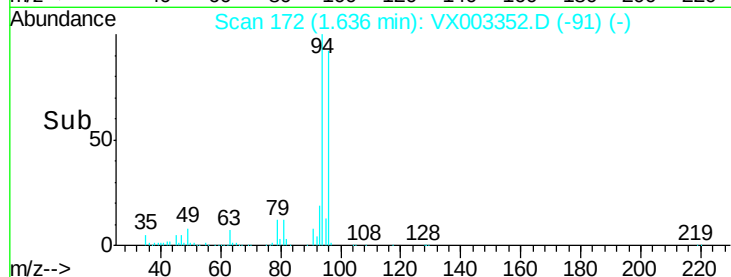
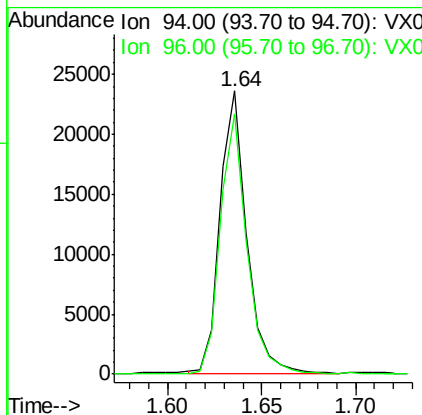
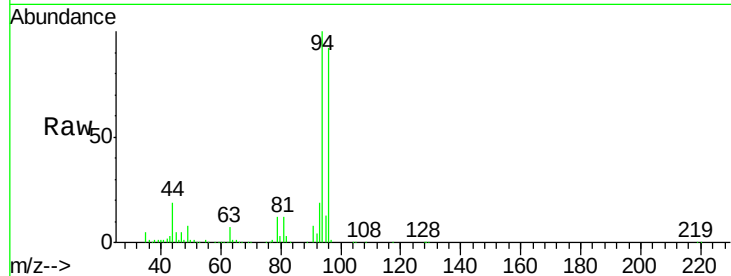
96 92.0 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 8.959 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX003352.D

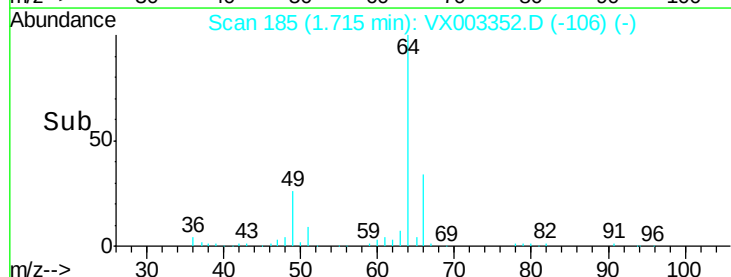
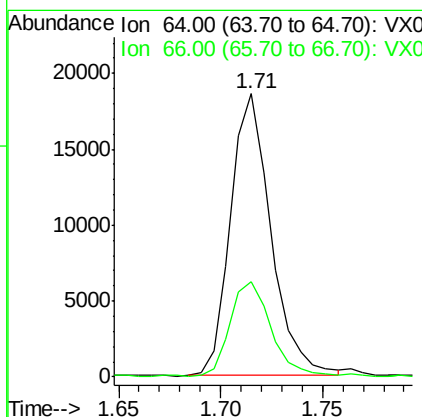
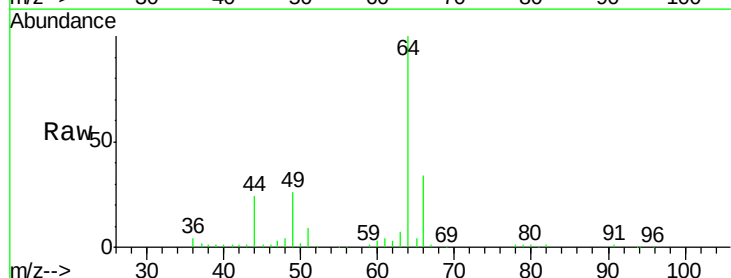
Acq: 12 Jul 2018 15:36

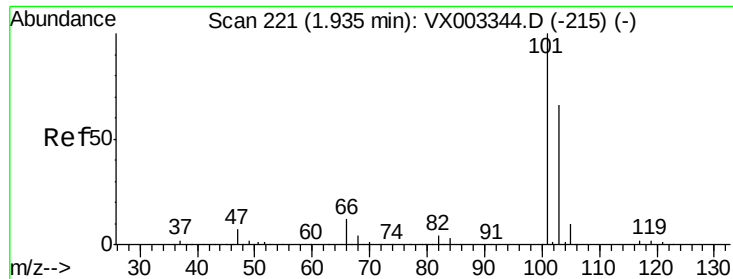
Tgt Ion: 64 Resp: 25388

Ion Ratio Lower Upper

64 100

66 34.0 24.3 36.5





#7

Trichlorofluoromethane

Concen: 9.192 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 58225

Ion Ratio Lower Upper

101 100

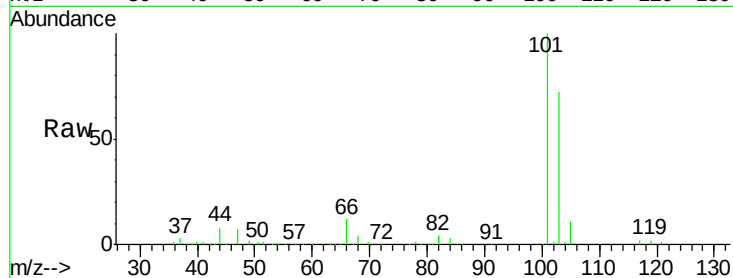
103 71.7 51.5 77.3

Manual Integrations

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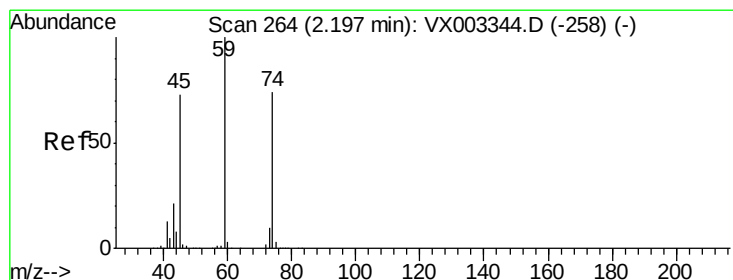
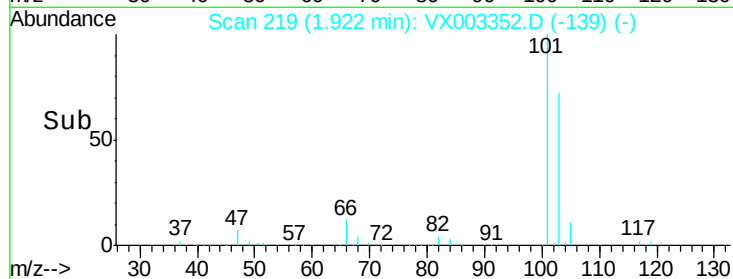
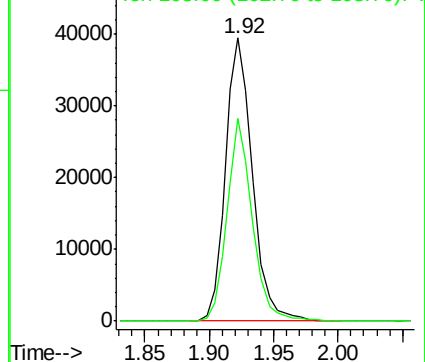
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7/13/2018 11:35:54 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.850 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX003352.D

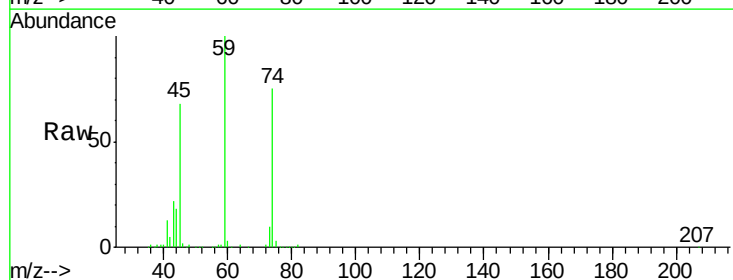
Acq: 12 Jul 2018 15:36

Tgt Ion: 74 Resp: 25513

Ion Ratio Lower Upper

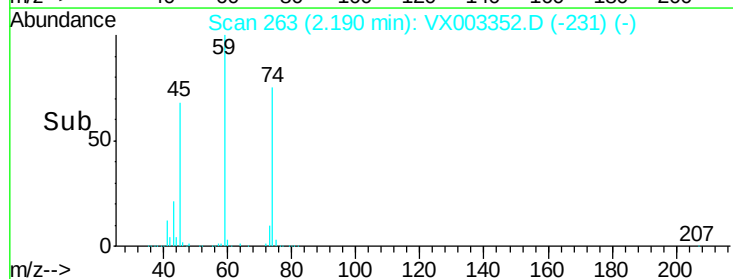
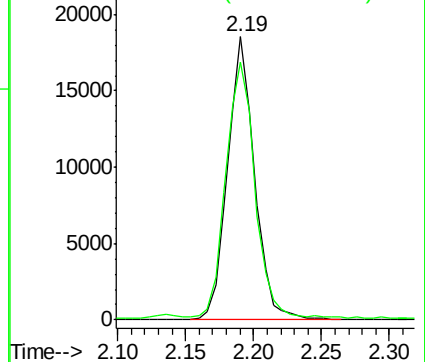
74 100

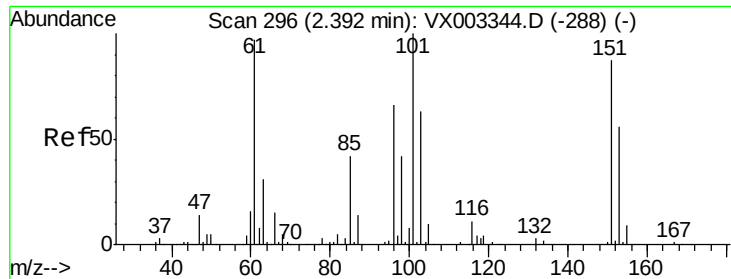
45 95.5 20.5 184.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.532 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

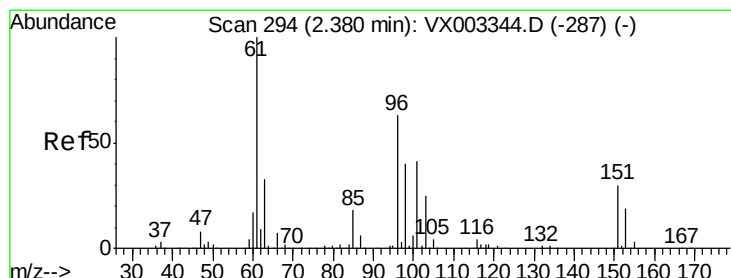
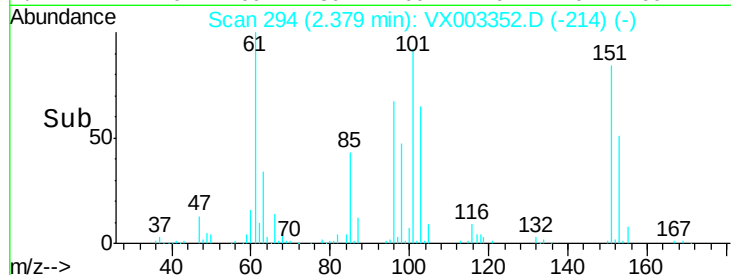
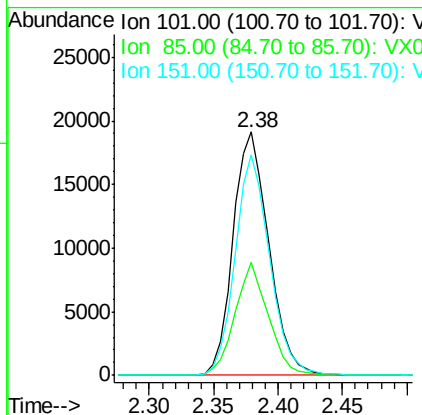
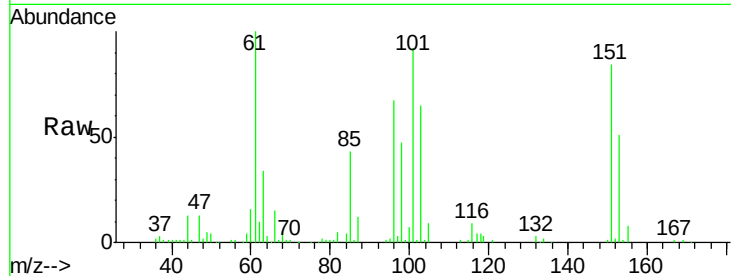
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	101	Resp:	36960
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	87.0
151	87.6	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 9.616 ug/l

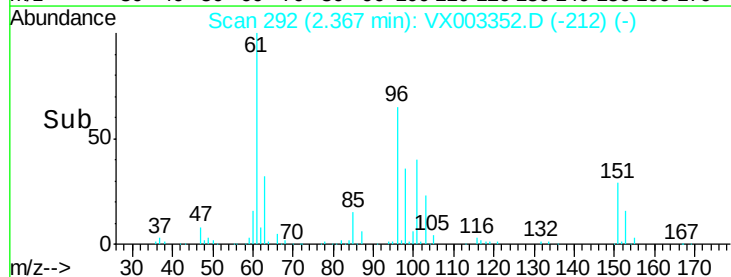
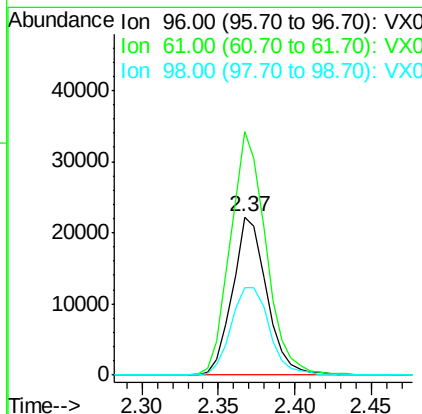
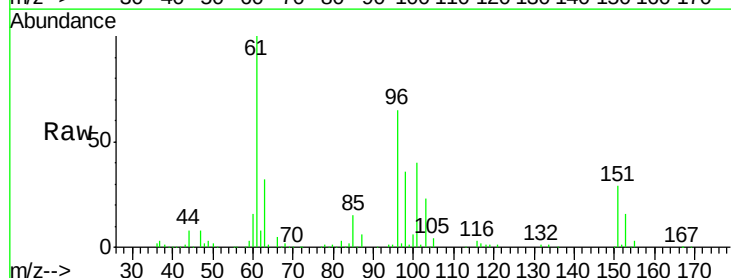
RT: 2.37 min Scan# 292

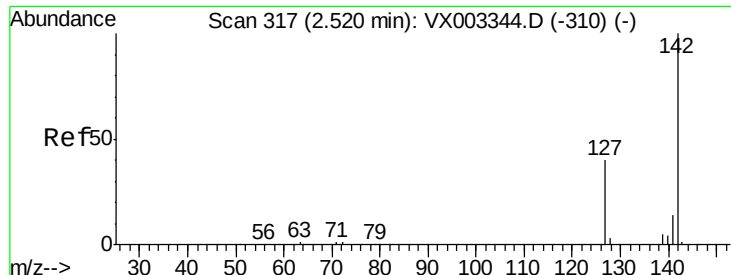
Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Tgt Ion:	96	Resp:	34597
Ion Ratio	Lower	Upper	
96	100		
61	154.3	137.5	206.3
98	55.6	51.4	77.2





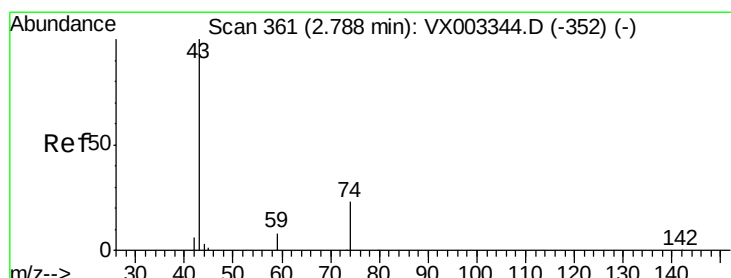
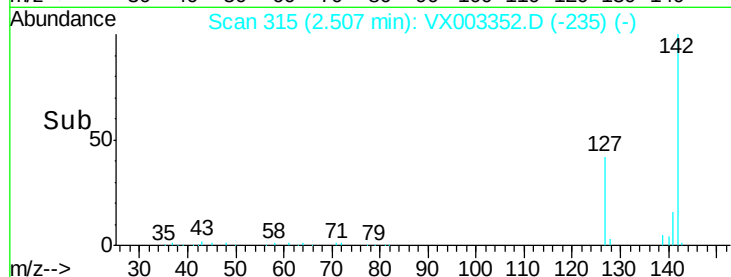
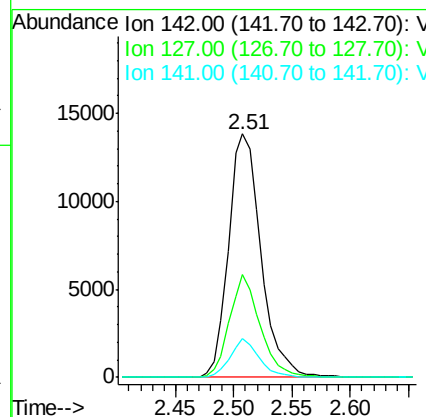
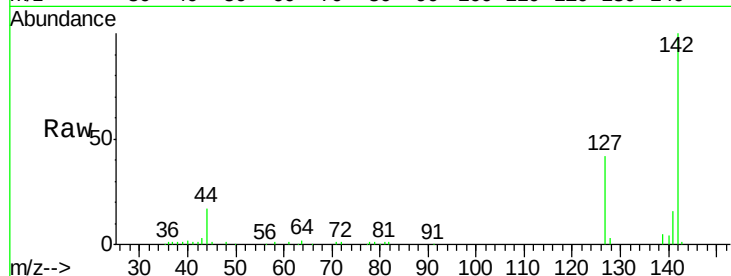
#11
Methvl Iodide
Concen: 13.494 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.2	23.2	69.6
141	16.1	7.4	22.2

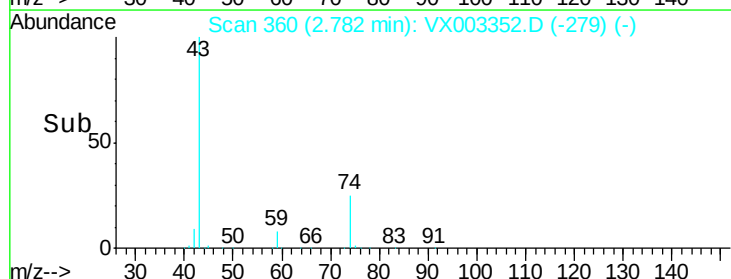
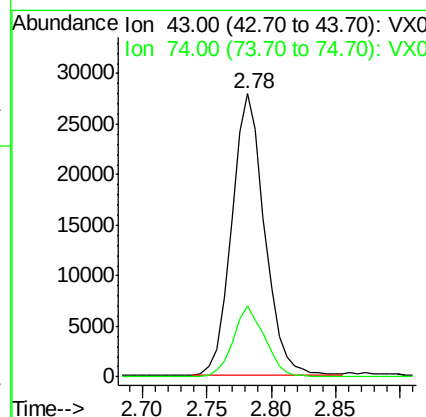
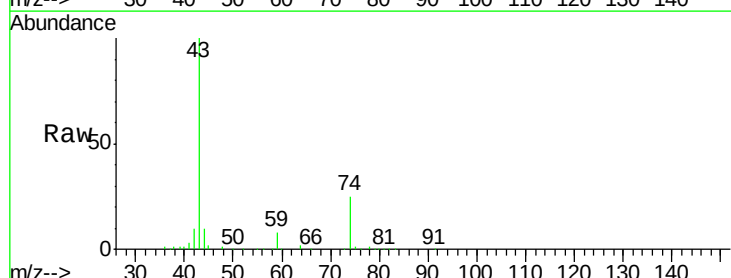
Manual Integrations
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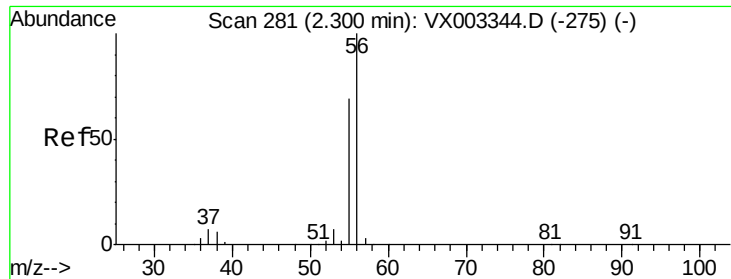
MMDadoda
7/13/2018 11:35:54 AM



#12
Methyl Acetate
Concen: 8.410 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	16.4	24.6#





#13

Acrolein

Concen: 65.174 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 29579

Ion Ratio Lower Upper

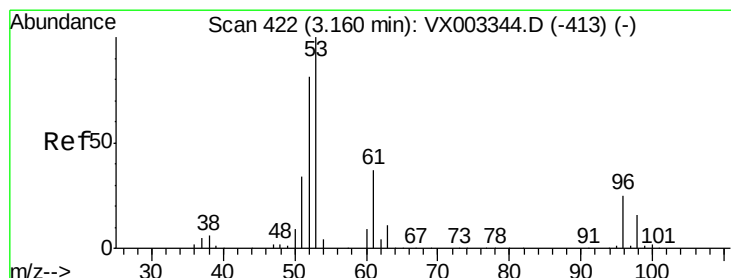
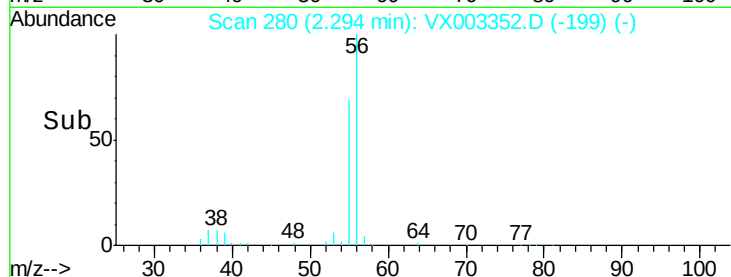
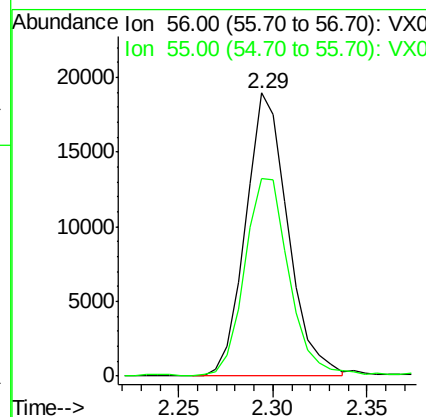
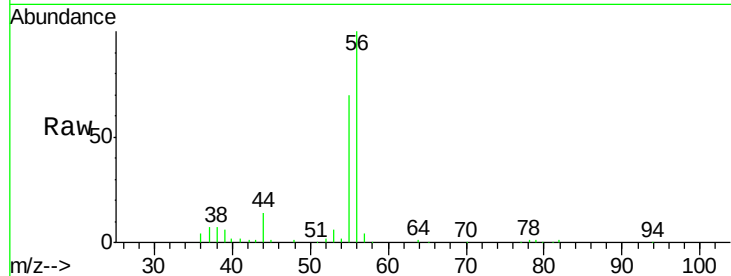
56 100

55 72.4 57.3 85.9

Manual Integrations
APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 49.872 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

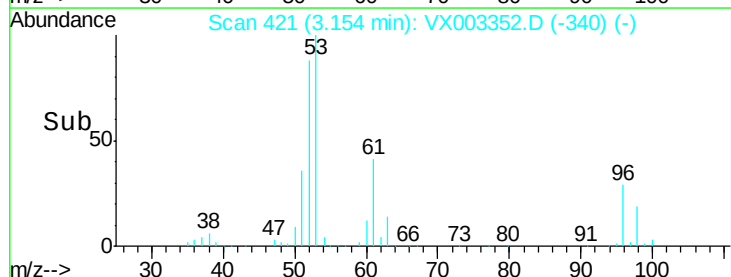
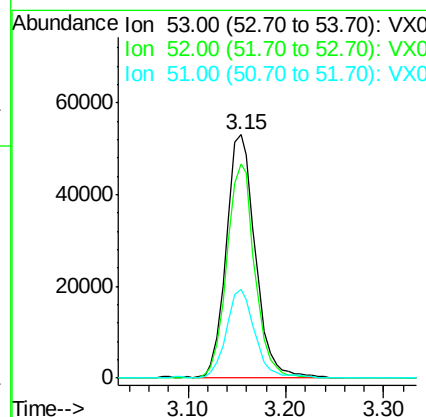
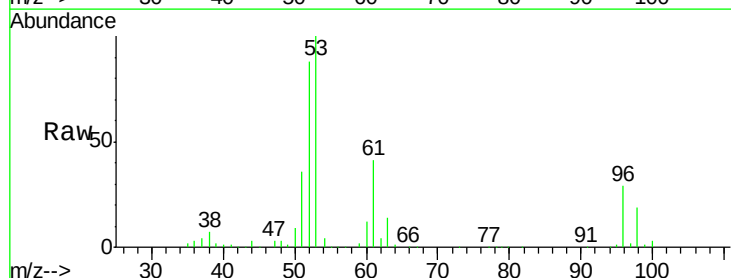
Tgt Ion: 53 Resp: 109628

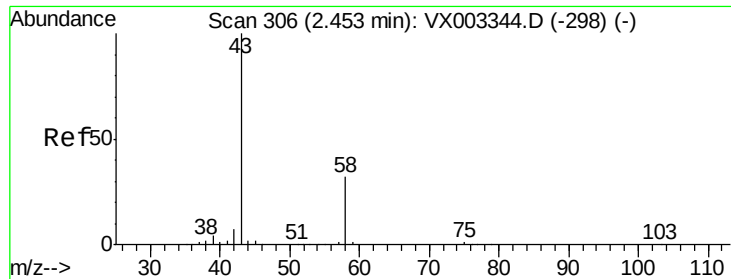
Ion Ratio Lower Upper

53 100

52 84.5 41.5 124.6

51 34.2 17.9 53.8





#15

Acetone

Concen: 51.494 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 58 Resp: 29674

Ion Ratio Lower Upper

58 100

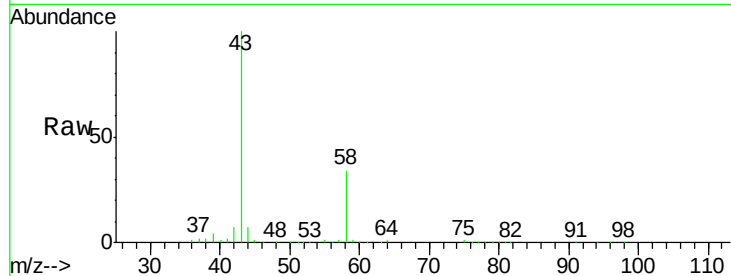
43 294.5 278.8 418.2

Manual Integrations

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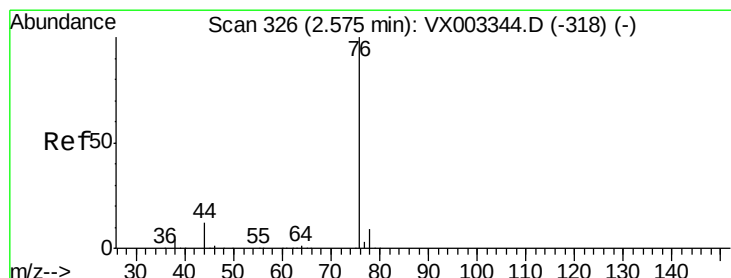
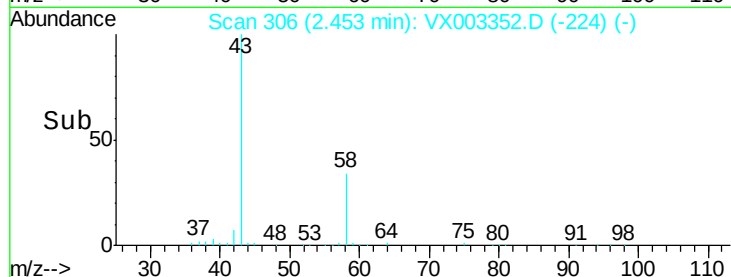
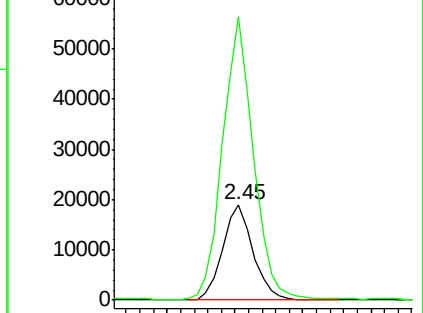
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 9.138 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003352.D

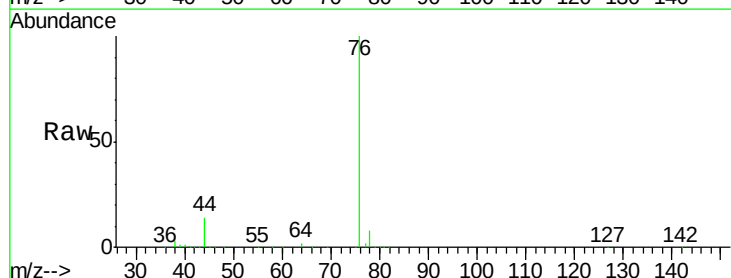
Acq: 12 Jul 2018 15:36

Tgt Ion: 76 Resp: 93912

Ion Ratio Lower Upper

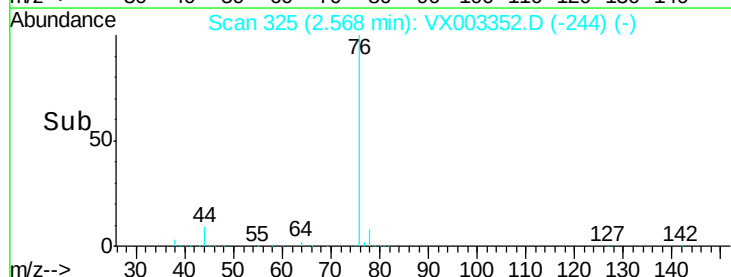
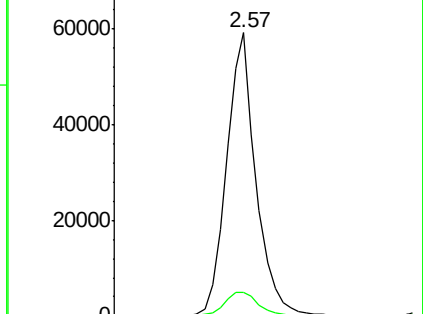
76 100

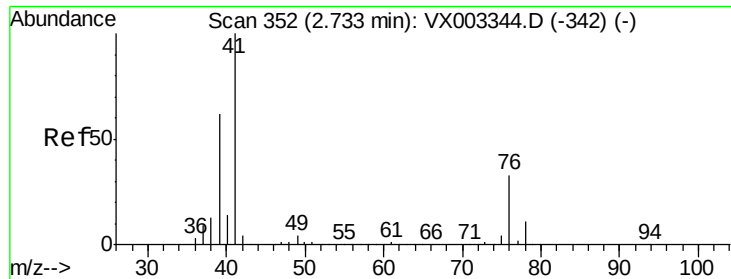
78 8.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





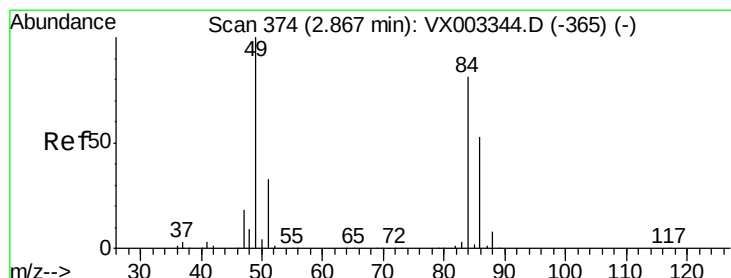
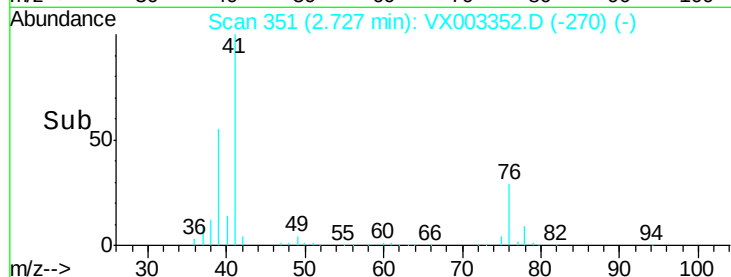
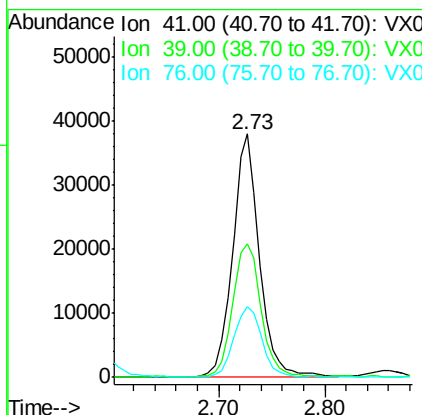
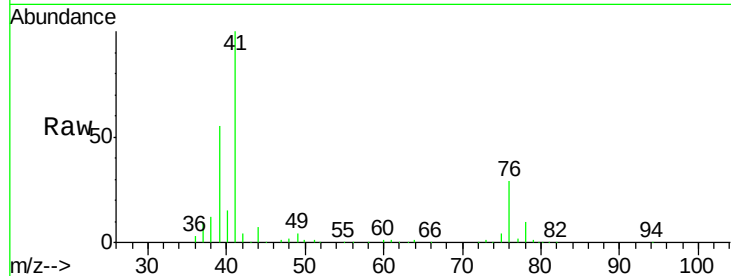
#17
Allvl chloride
Concen: 9.665 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	34.6	103.8
76	29.4	15.0	45.1

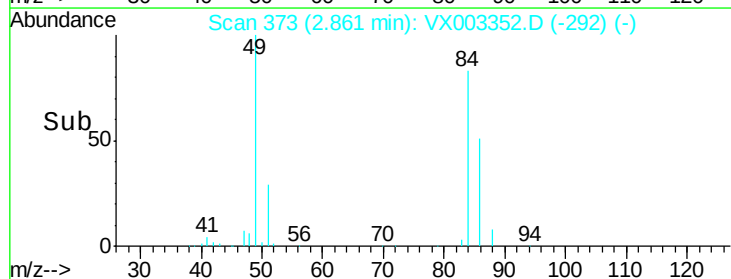
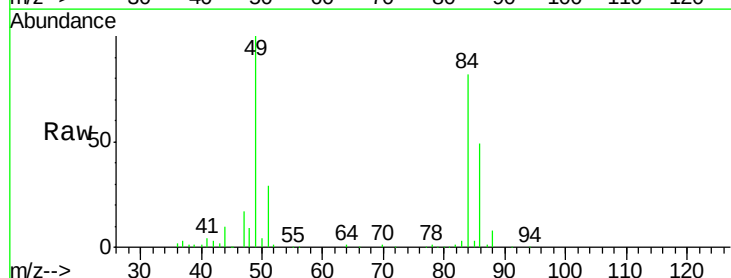
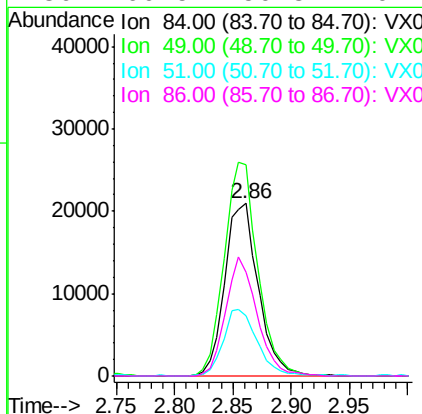
Manual Integrations
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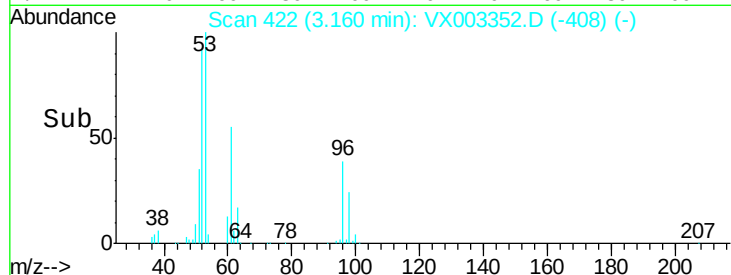
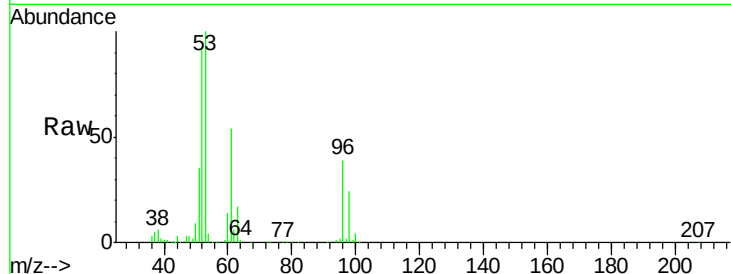
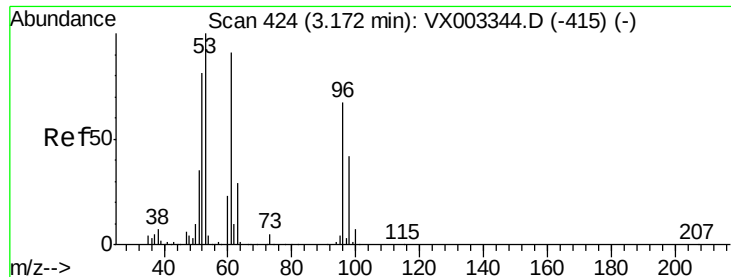
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#18
Methylene Chloride
Concen: 9.940 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	104.7	157.1
51	34.7	31.0	46.4
86	60.5	50.8	76.2





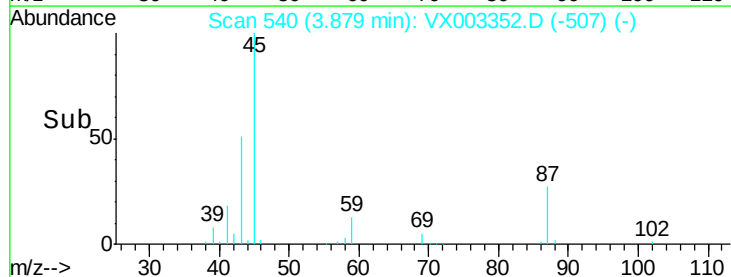
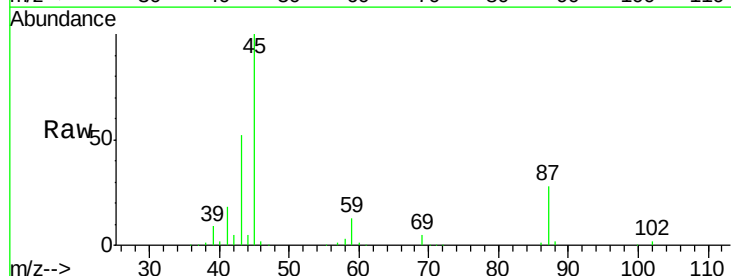
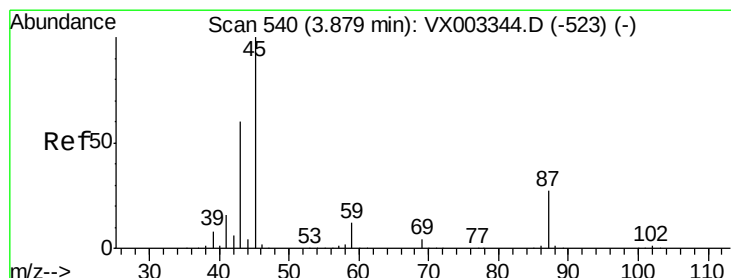
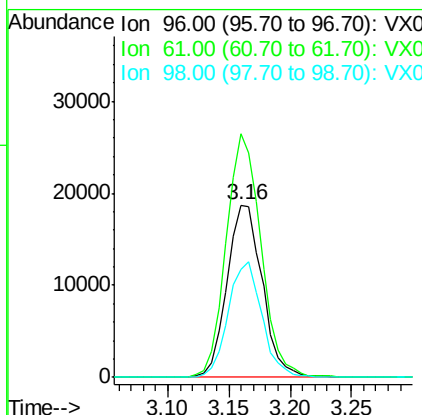
#19
trans-1,2-Dichloroethene
Concen: 9.613 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	114.6	172.0
98	62.5	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

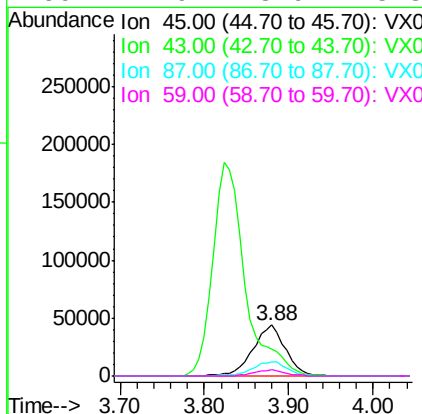
Manual Integrations
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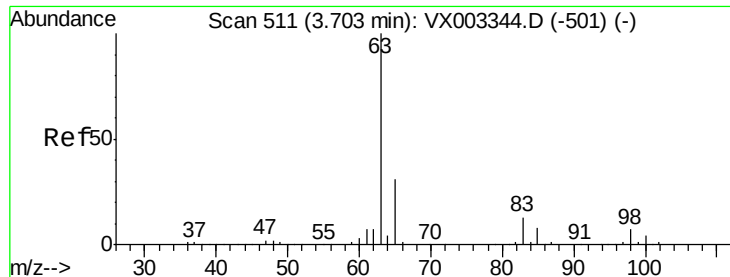
MMDadoda
7/13/2018 11:35:54 AM



#20
Diisopropyl ether
Concen: 9.399 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.9	45.6	68.4
87	27.9	20.7	31.1
59	12.9	8.9	13.3





#21

1,1-Dichloroethane

Concen: 10.014 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

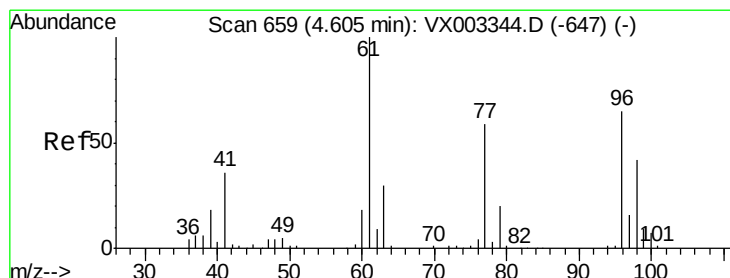
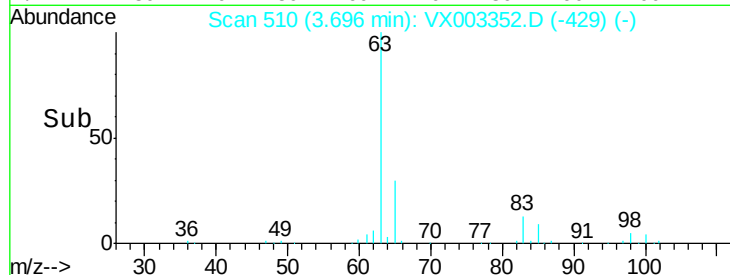
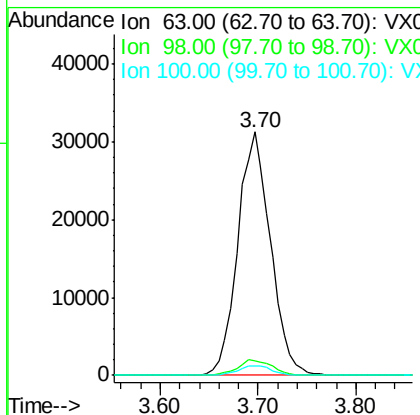
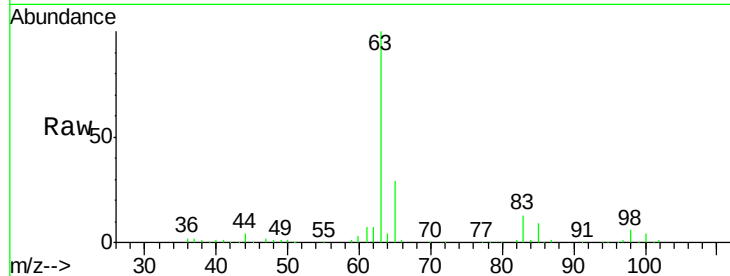
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	63	Resp:	72625
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.1	9.3
100	4.0	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 9.664 ug/l

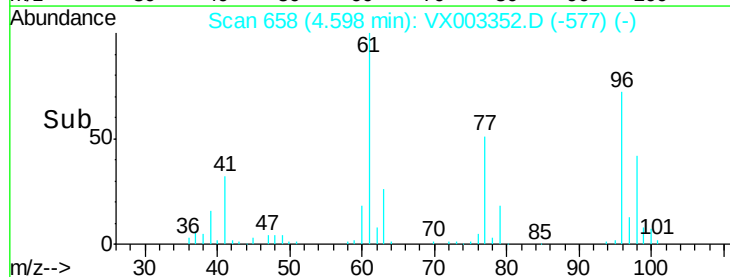
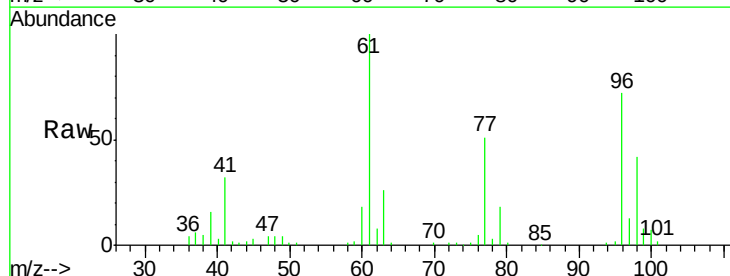
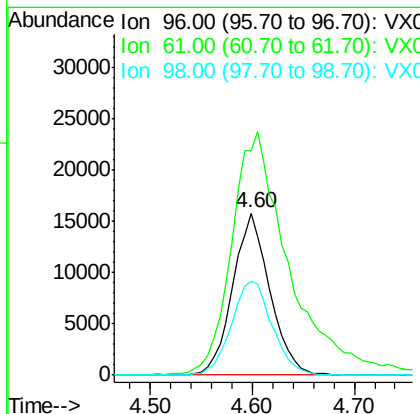
RT: 4.60 min Scan# 658

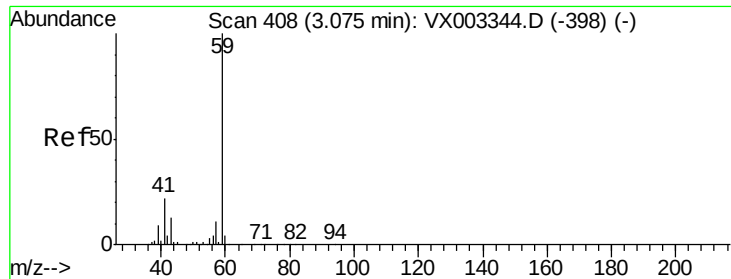
Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Tgt Ion:	96	Resp:	39862
Ion	Ratio	Lower	Upper
96	100		
61	226.6	160.2	240.2
98	63.7	54.1	81.1





#23

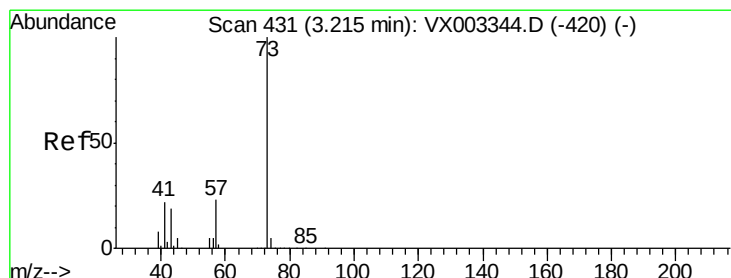
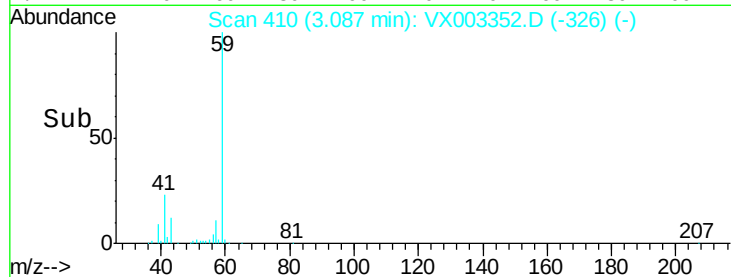
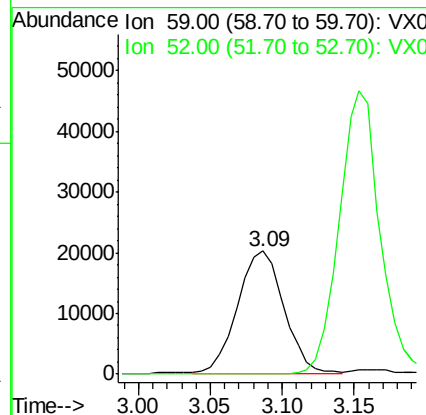
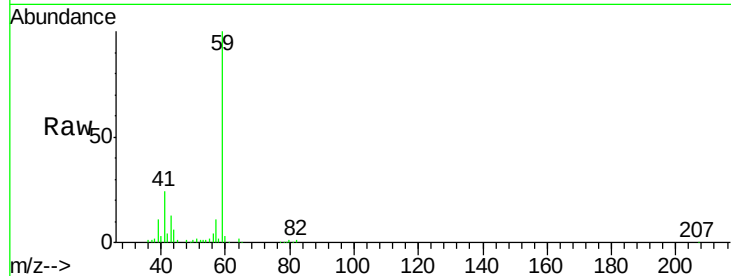
tert-Butyl Alcohol
 Concen: 50.293 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion: 59 Resp: 45902
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

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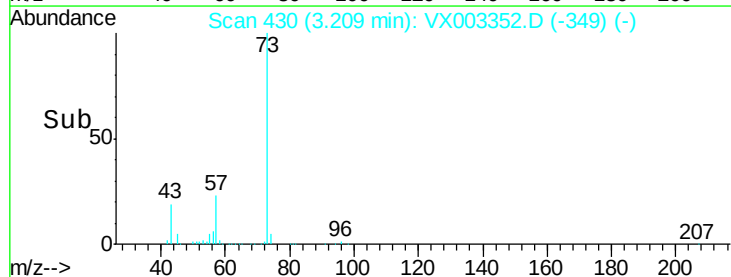
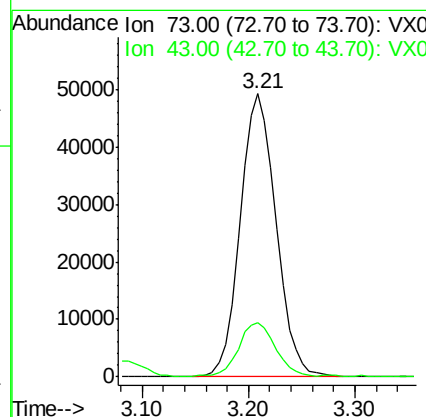
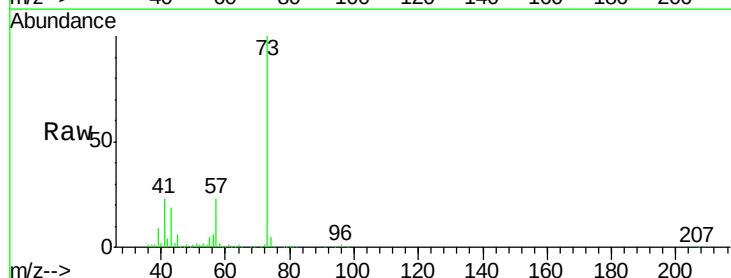
MMDadoda
 7/13/2018 11:35:54 AM

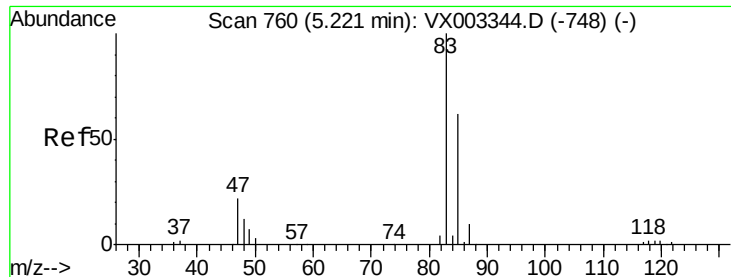


#24

Methyl tert-Butyl Ether
 Concen: 9.680 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion: 73 Resp: 116309
 Ion Ratio Lower Upper
 73 100
 43 19.2 19.0 28.4





#25

Chloroform

Concen: 9.767 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 83 Resp: 63786

Ion Ratio Lower Upper

83 100

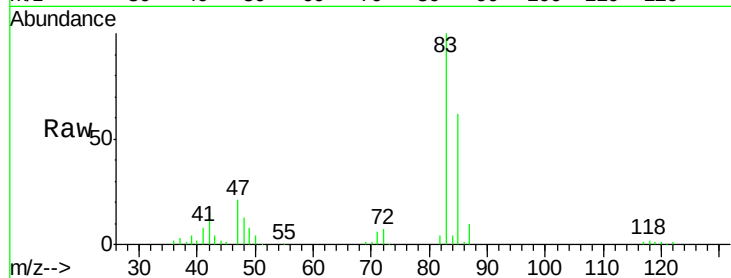
85 61.6 51.9 77.9

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

10000

5000

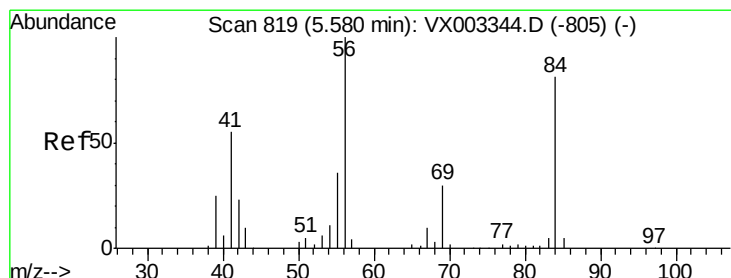
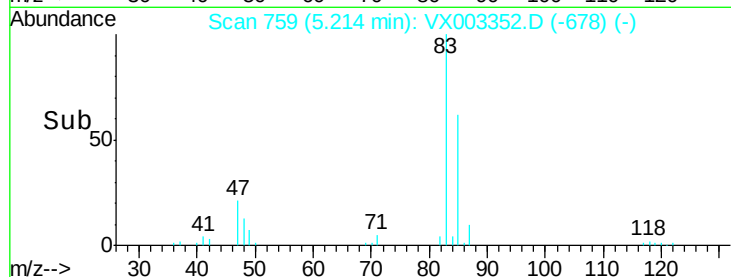
0

Time-->

5.10

5.20

5.30



#26

Cyclohexane

Concen: 9.501 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

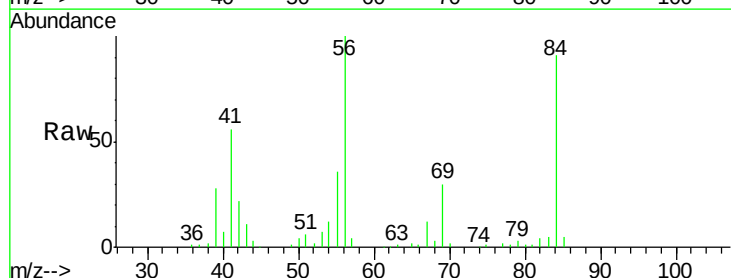
Tgt Ion: 56 Resp: 53787

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 85.9 64.9 97.3



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

30000

20000

10000

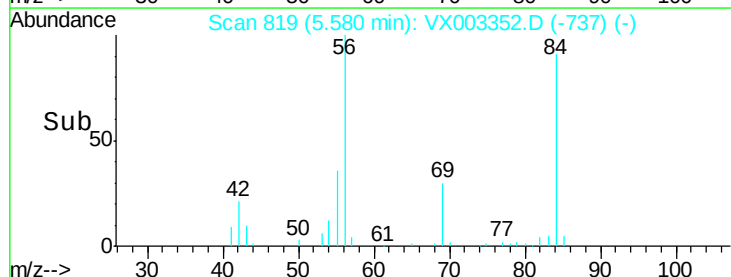
0

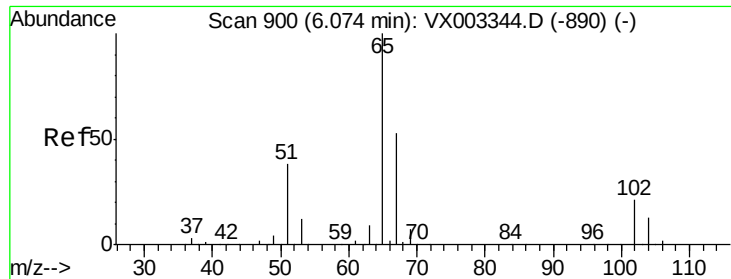
Time-->

5.50

5.60

5.70





#27

1,2-Dichloroethane-d4

Concen: 29.156 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 65 Resp: 115173

Ion Ratio Lower Upper

65 100

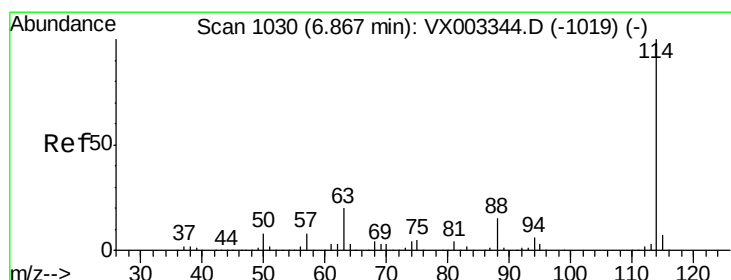
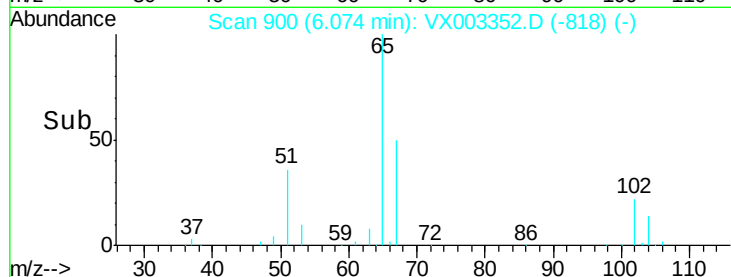
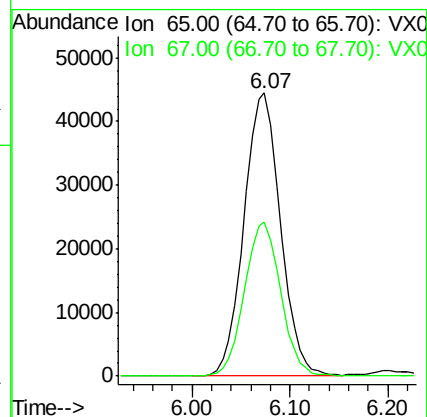
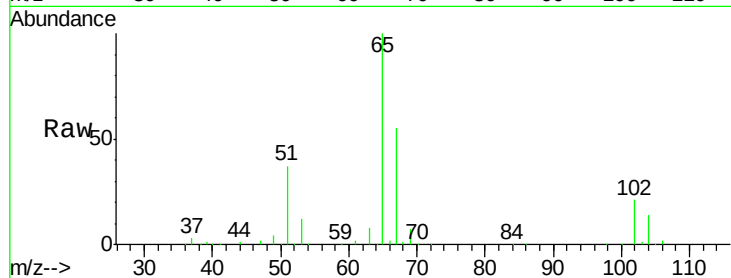
67 54.1 40.9 61.3

Manual Integrations

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7/13/2018 11:35:54 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

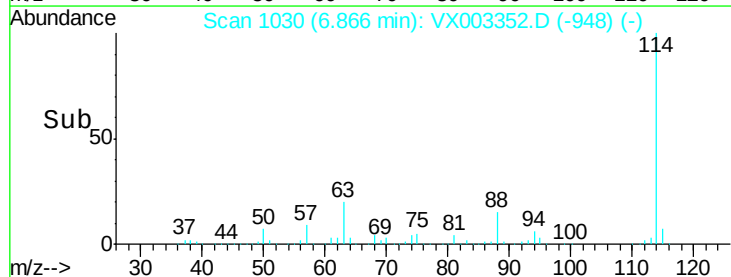
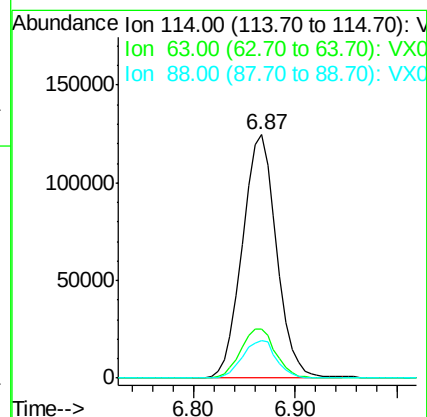
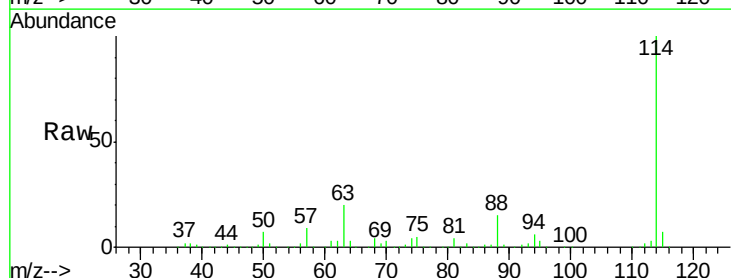
Tgt Ion: 114 Resp: 290372

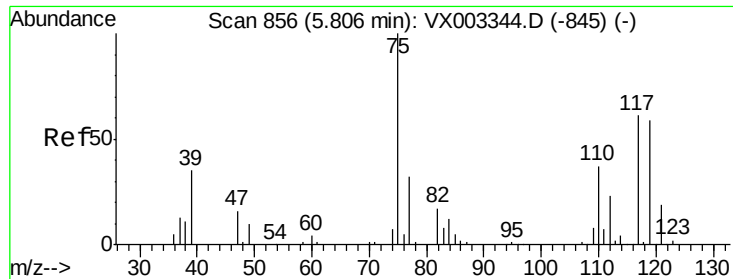
Ion Ratio Lower Upper

114 100

63 20.5 17.1 25.7

88 15.5 12.6 19.0





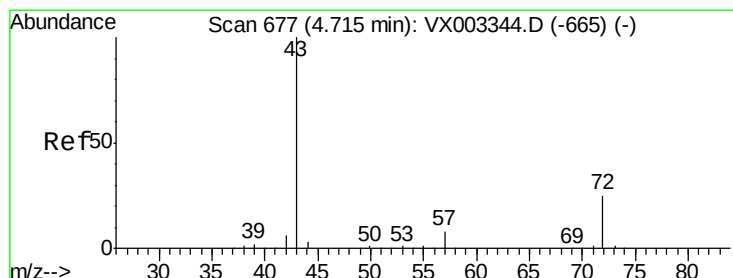
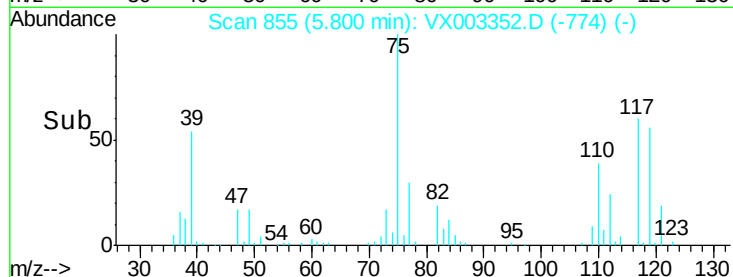
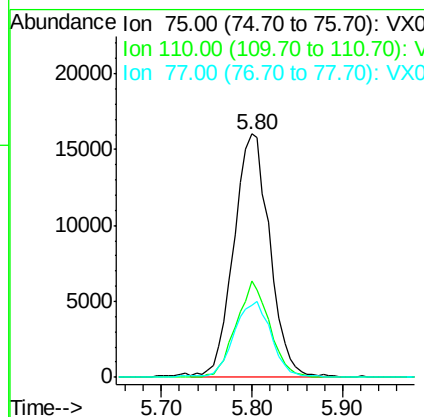
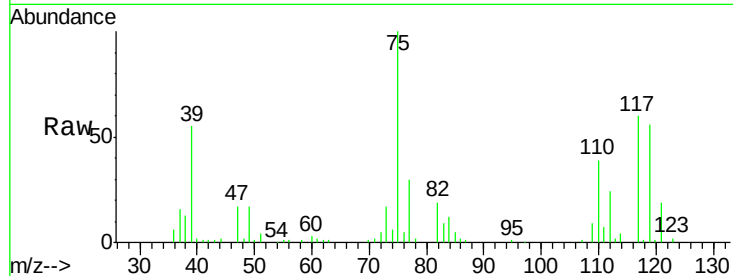
#29
 1,1-Dichloropropene
 Concen: 9.656 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.6	0.0	71.4
77	32.1	0.0	60.6

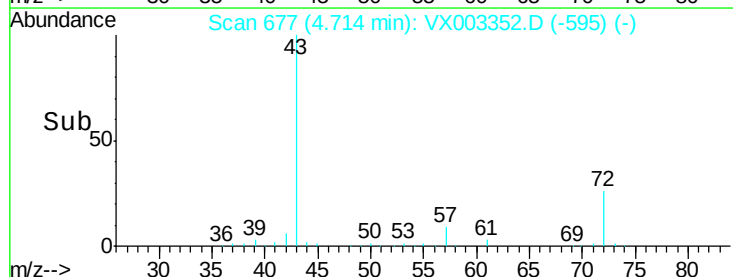
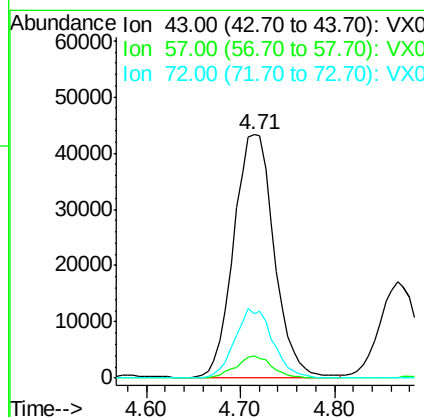
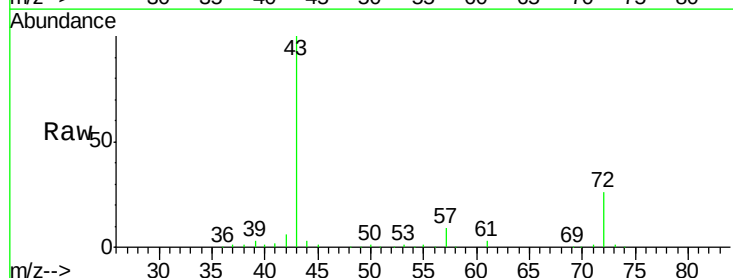
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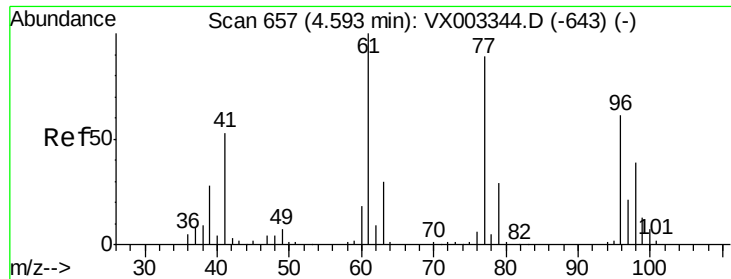
MMDadoda
 7/13/2018 11:35:54 AM



#30
 2-Butanone
 Concen: 50.523 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.1	9.1
72	27.0	18.1	27.1





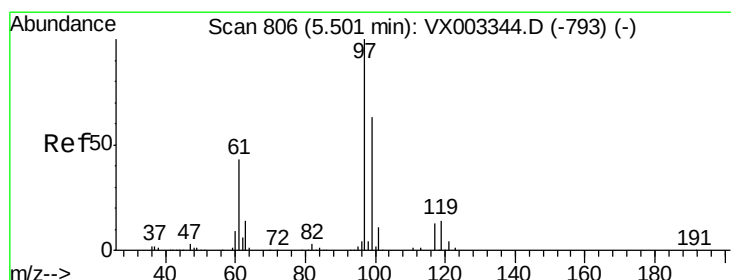
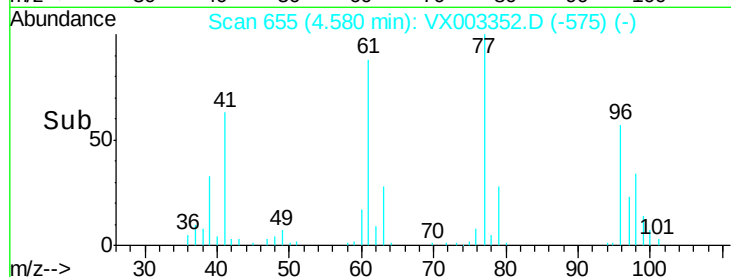
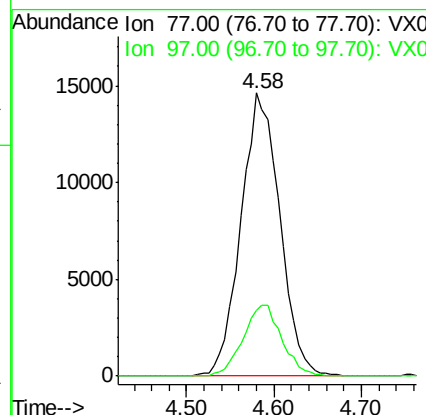
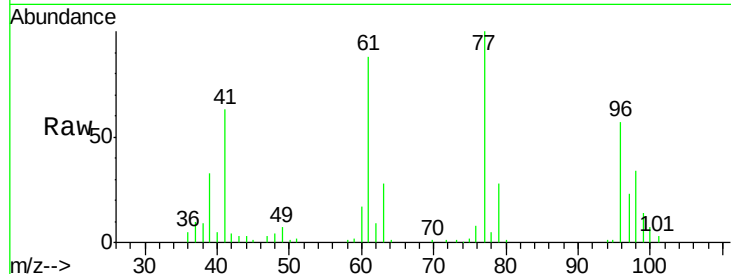
#31
 2,2-Dichloropropane
 Concen: 9.156 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion: 77 Resp: 45272
 Ion Ratio Lower Upper
 77 100
 97 24.8 18.7 28.1

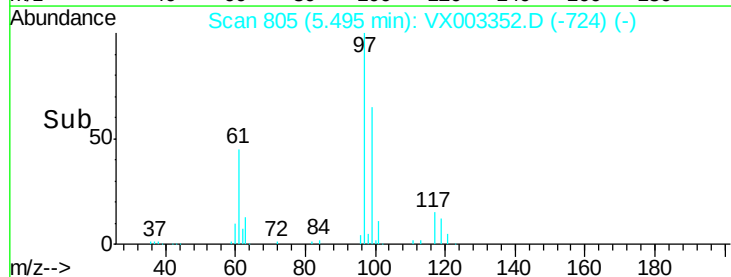
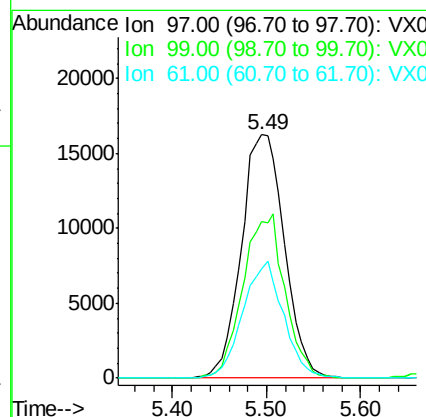
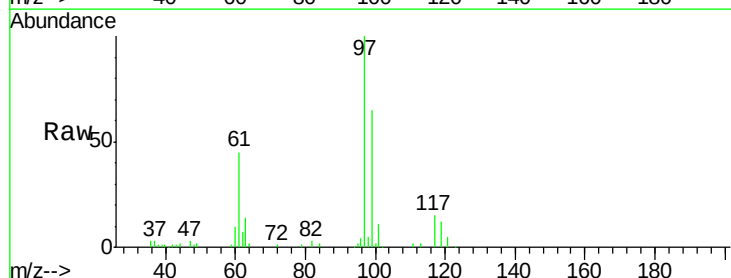
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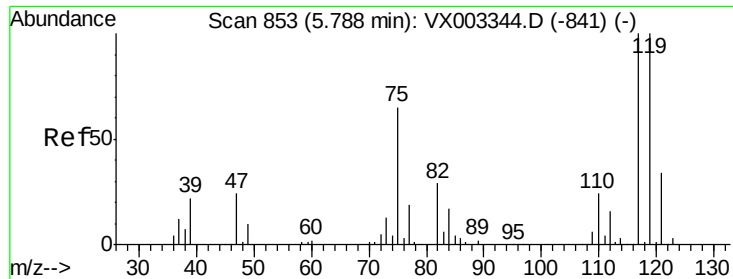
MMDadoda
 7/13/2018 11:35:54 AM



#32
 1,1,1-Trichloroethane
 Concen: 10.028 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion: 97 Resp: 51981
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.7 77.5
 61 45.0 36.4 54.6





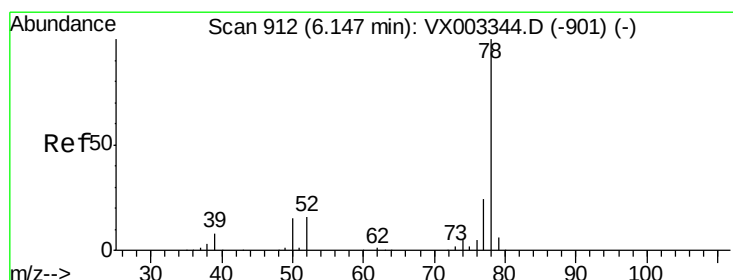
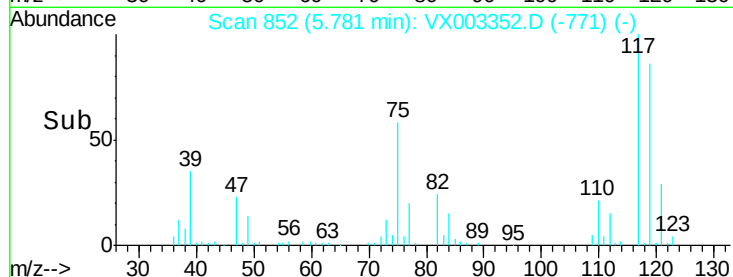
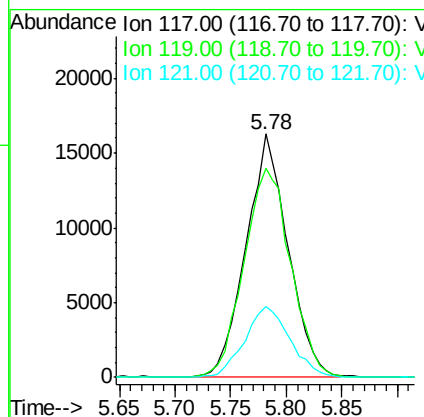
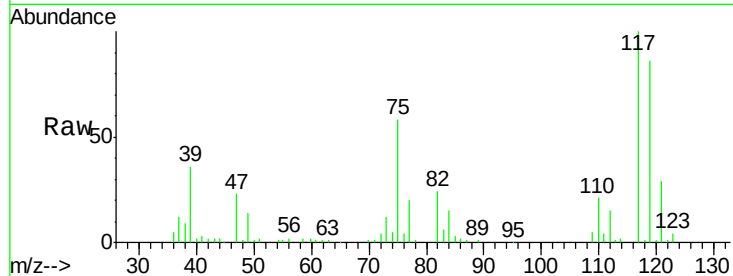
#33
Carbon Tetrachloride
Concen: 9.414 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion:117 Resp: 42823
Ion Ratio Lower Upper
117 100
119 85.5 73.3 109.9
121 29.1 23.6 35.4

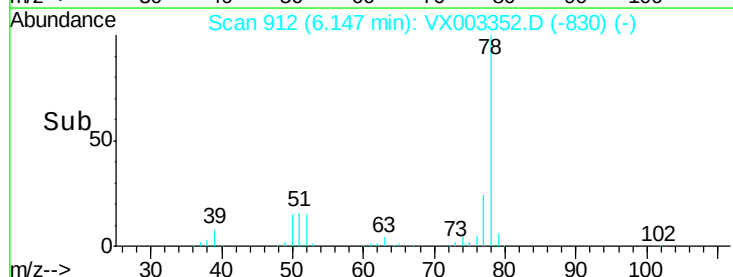
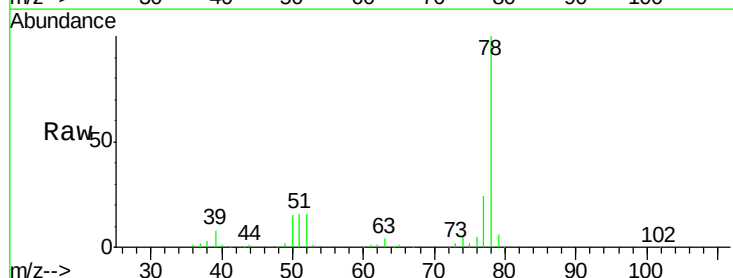
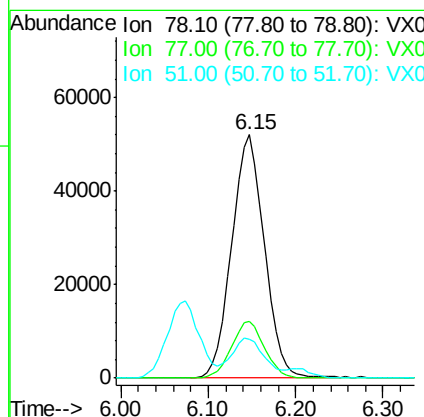
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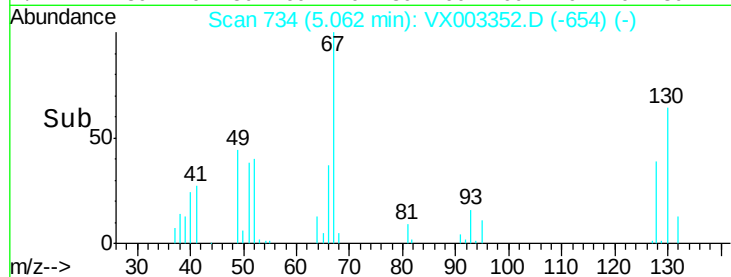
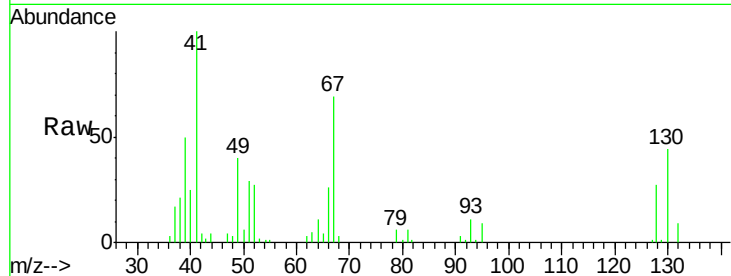
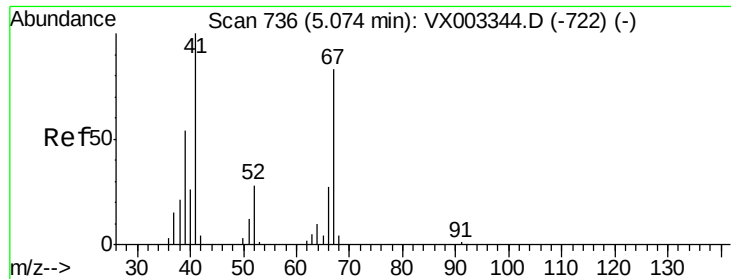
MMDadoda
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#34
Benzene
Concen: 10.062 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion: 78 Resp: 135650
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0
51 15.8 13.8 20.6





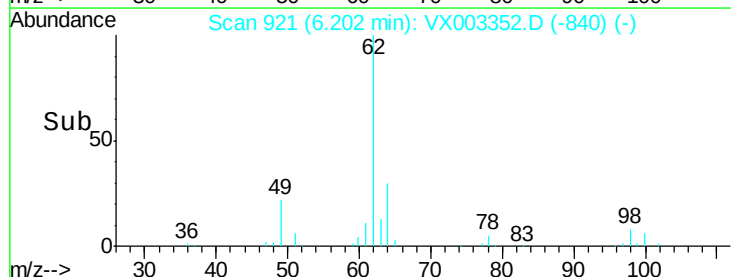
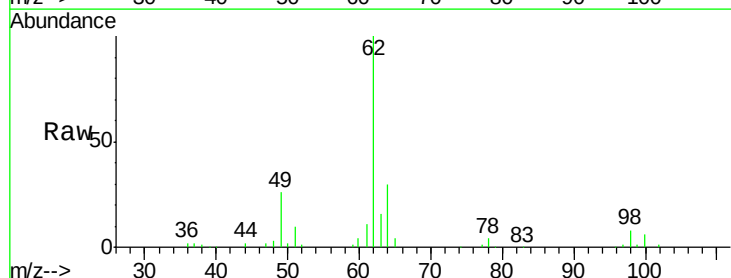
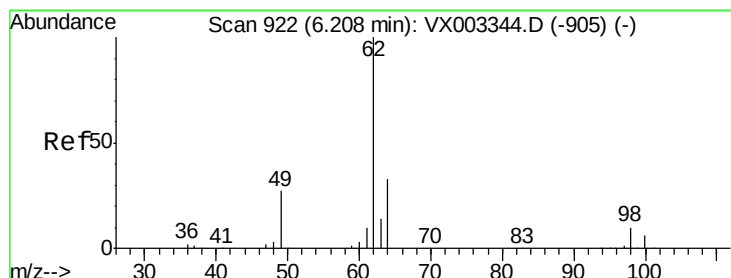
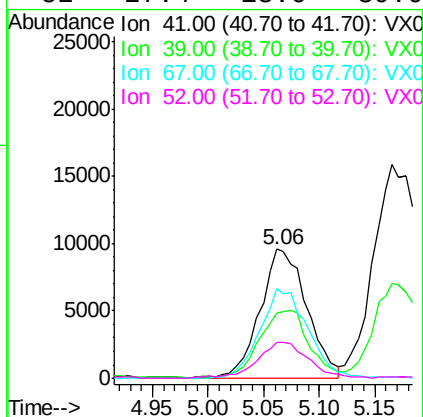
#35
Methacrylonitrile
Concen: 10.427 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	50.2	28.8	86.5		
67	69.3	30.4	91.2		
52	27.4	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

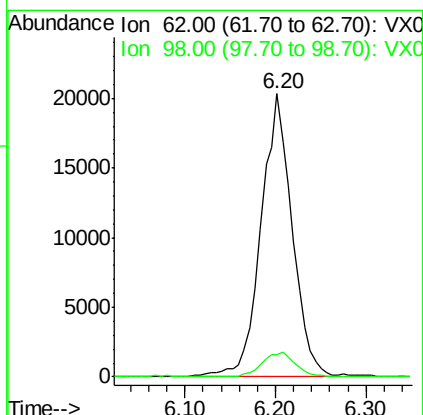
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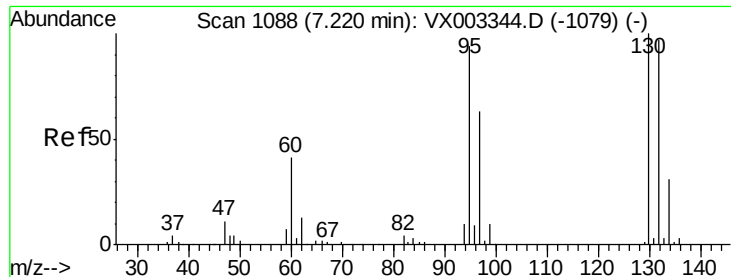
MMDadoda
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#36
1,2-Dichloroethane
Concen: 10.327 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	6.5	9.7		





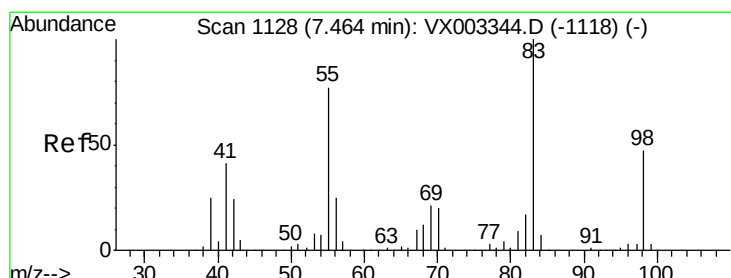
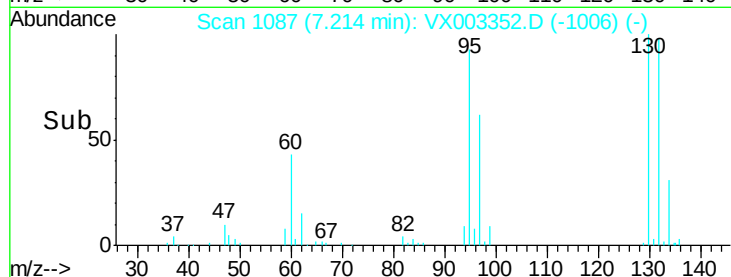
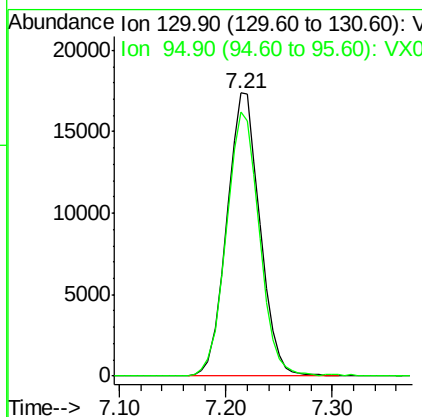
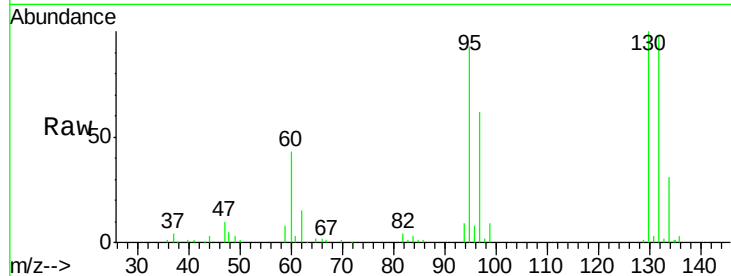
#37
 Trichloroethene
 Concen: 10.167 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion:130 Resp: 37904
 Ion Ratio Lower Upper
 130 100
 95 93.2 81.5 122.3

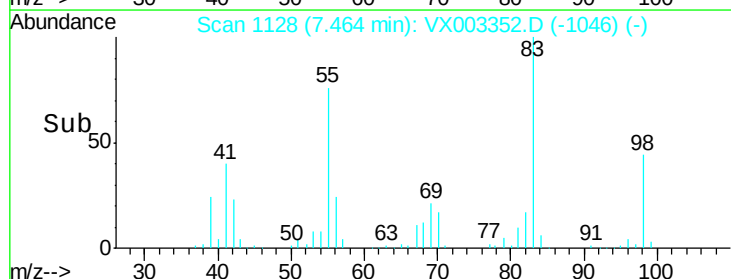
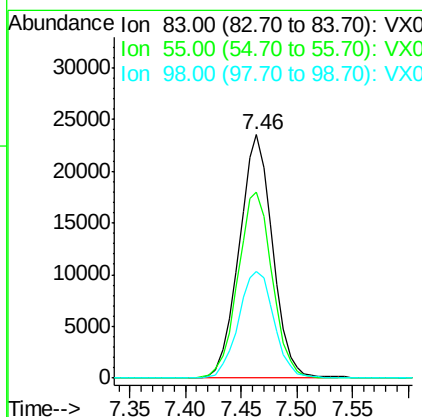
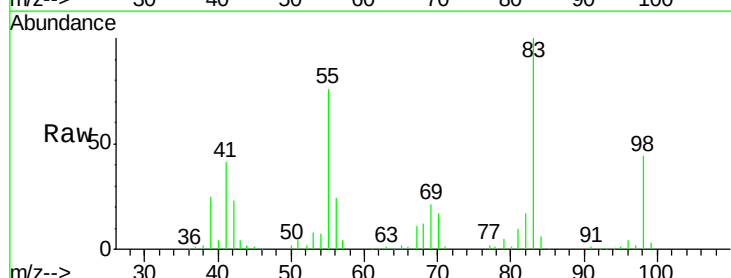
Manual Integrations
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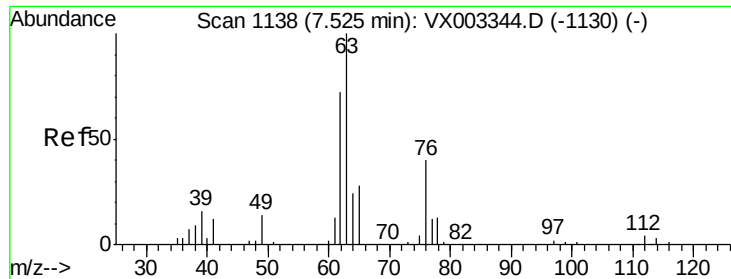
MMDadoda
 7/13/2018 11:35:54 AM



#38
 Methylcyclohexane
 Concen: 9.493 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion: 83 Resp: 49123
 Ion Ratio Lower Upper
 83 100
 55 78.3 40.6 121.8
 98 46.6 23.5 70.5





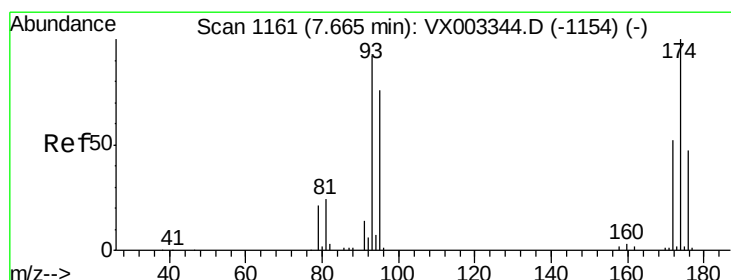
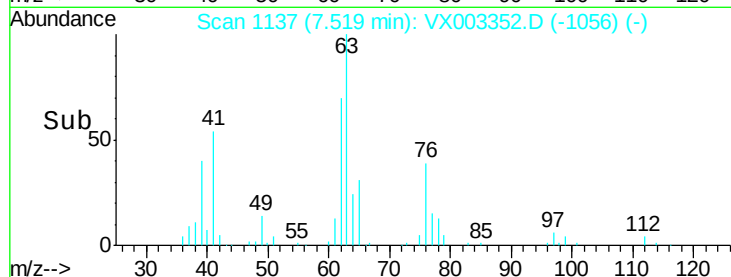
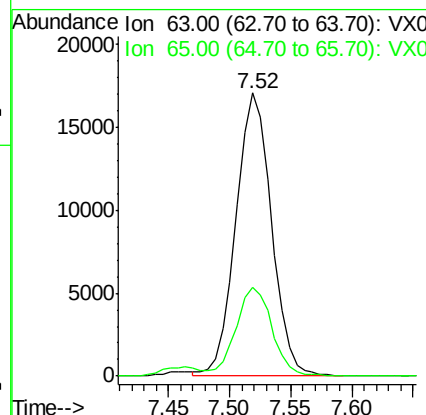
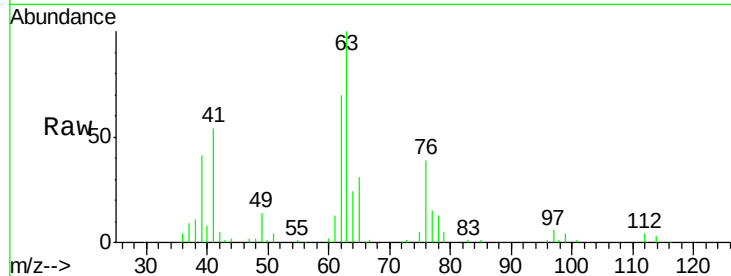
#39
 1,2-Dichloropropane
 Concen: 9.910 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.3	34.9

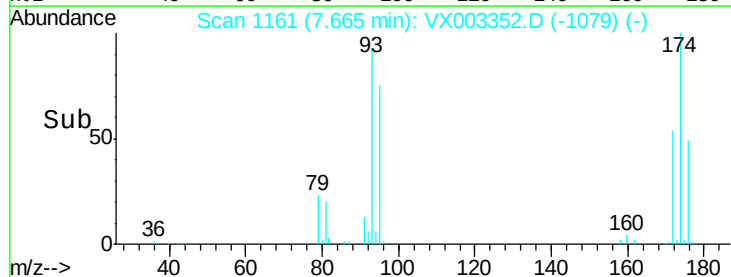
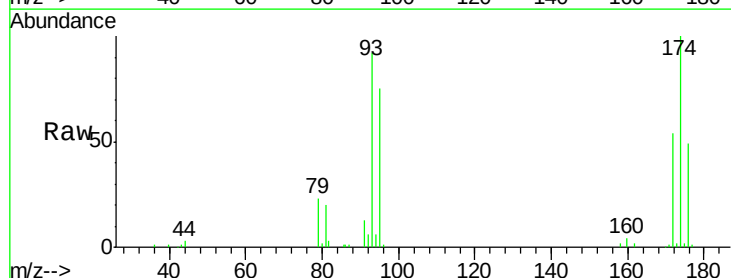
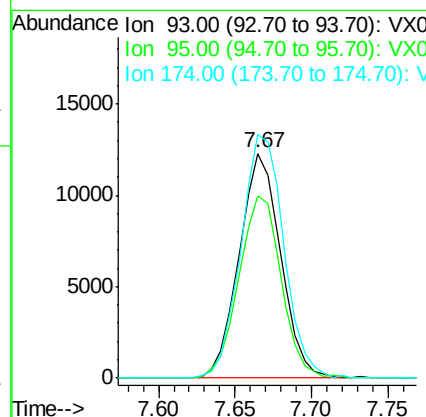
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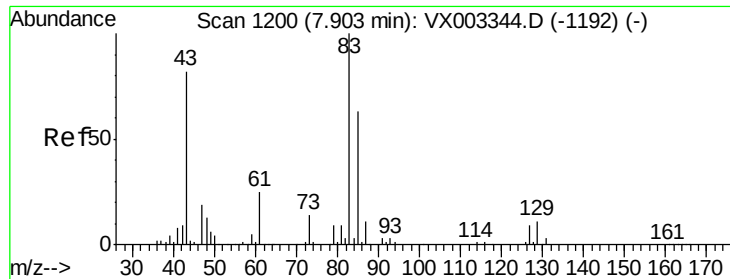
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#40
 Dibromomethane
 Concen: 10.094 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	0.0	162.6
174	112.2	0.0	229.4





#41

Bromodichloromethane

Concen: 9.278 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

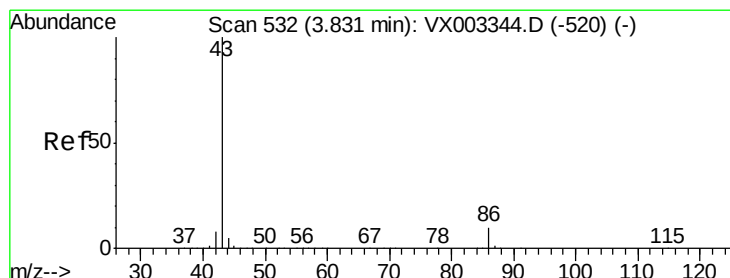
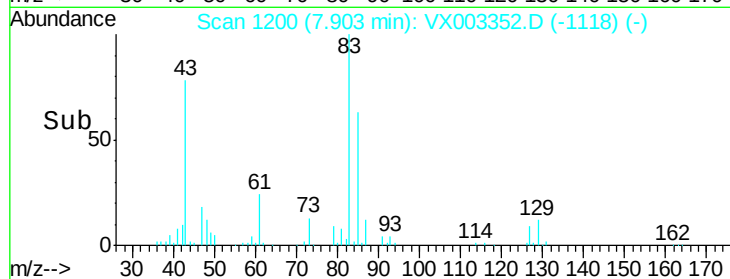
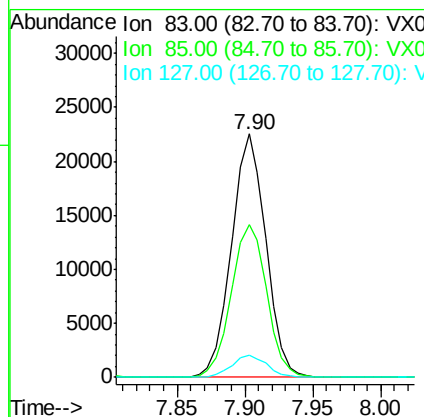
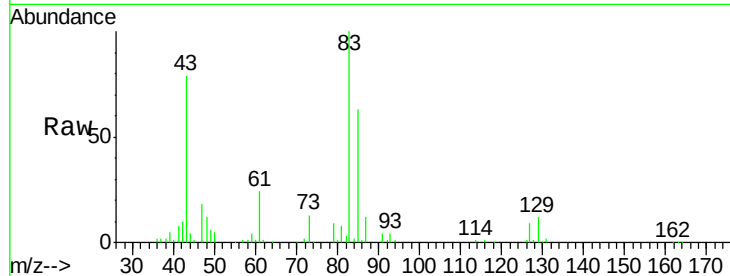
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	83	Resp:	39664
Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.8	74.8
127	9.3	7.3	10.9

Manual Integrations
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7/13/2018 11:35:54 AM



#42

Vinyl Acetate

Concen: 49.703 ug/l

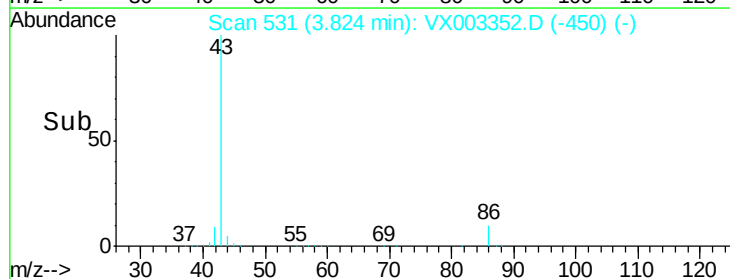
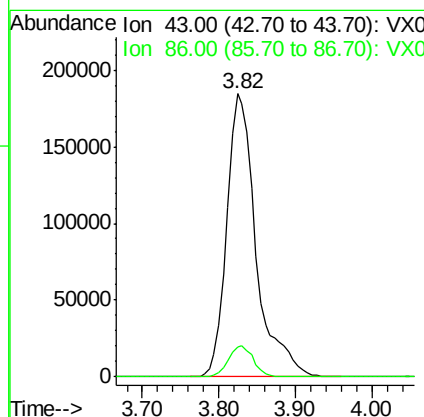
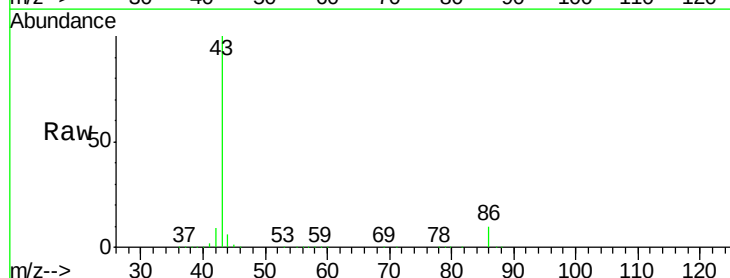
RT: 3.82 min Scan# 531

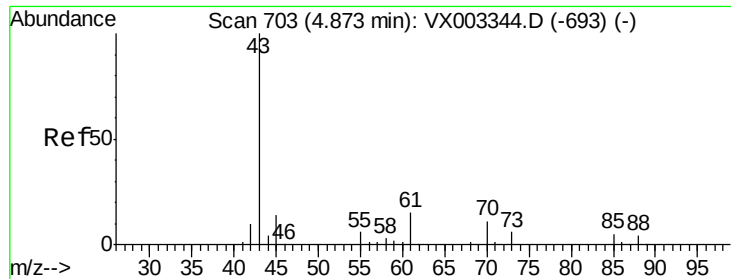
Delta R.T. -0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Tgt Ion:	43	Resp:	488484
Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.7	10.1





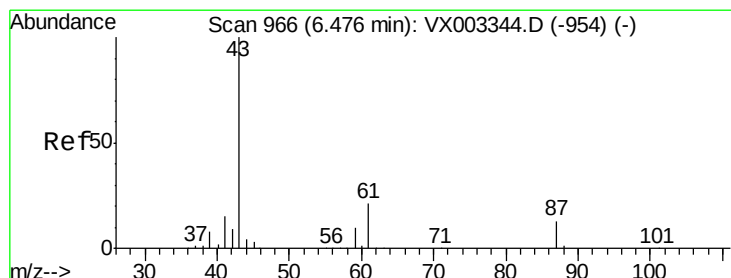
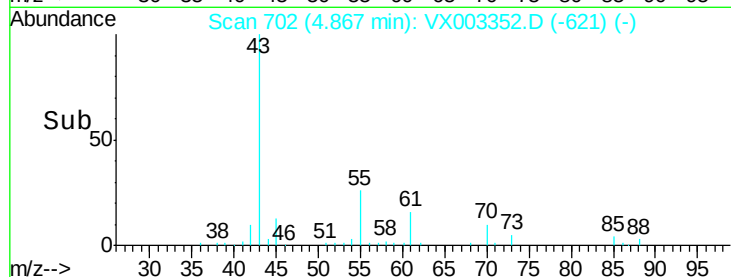
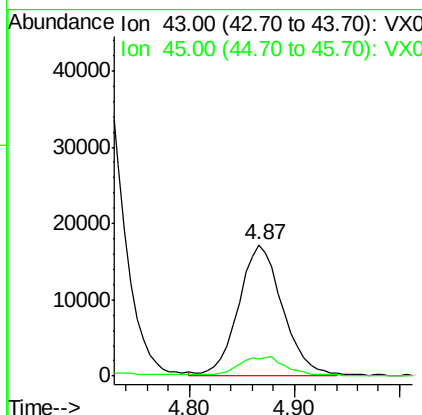
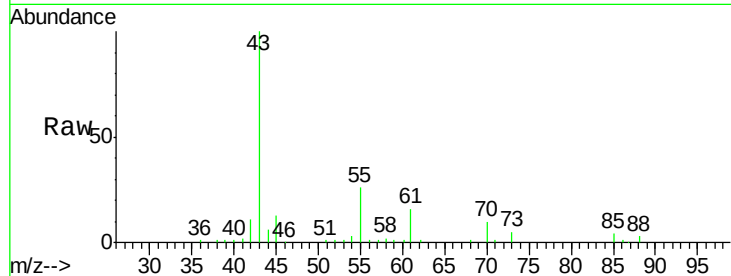
#43
Ethyl Acetate
Concen: 10.360 ug/l m
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 50341
Ion Ratio Lower Upper
43 100
45 0.3 11.0 16.4#

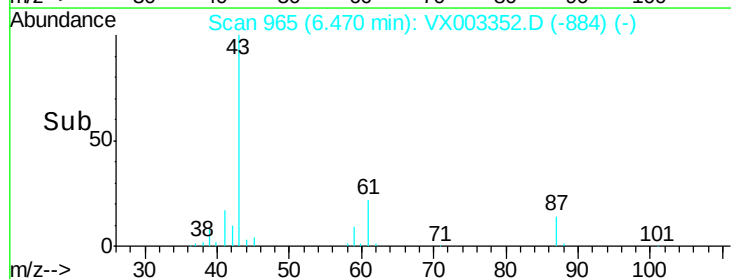
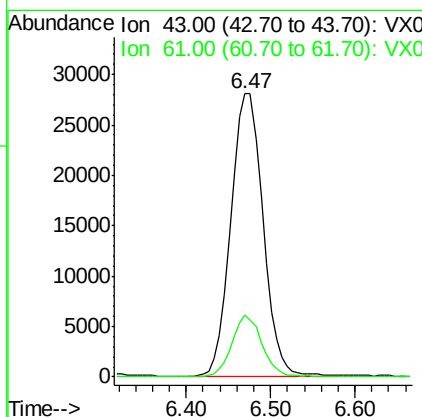
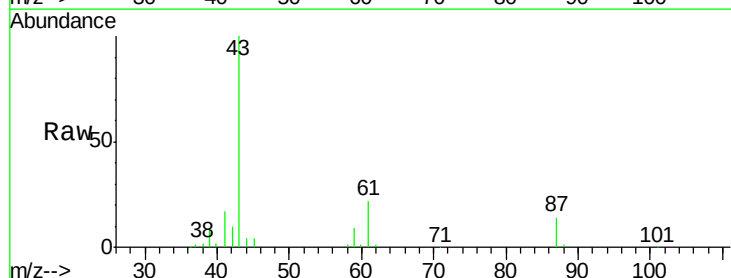
Manual Integrations
APPROVED

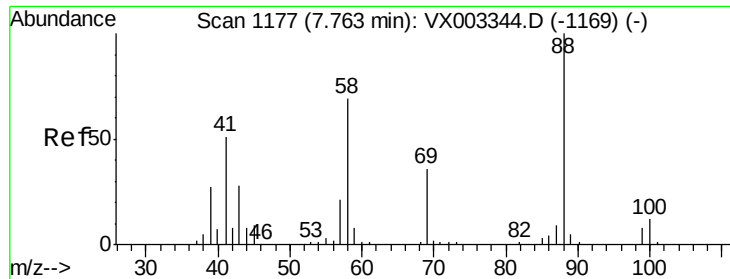
MMDadoda
7/13/2018 11:35:54 AM



#44
Isopropyl Acetate
Concen: 9.730 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion: 43 Resp: 72464
Ion Ratio Lower Upper
43 100
61 20.3 14.5 21.7





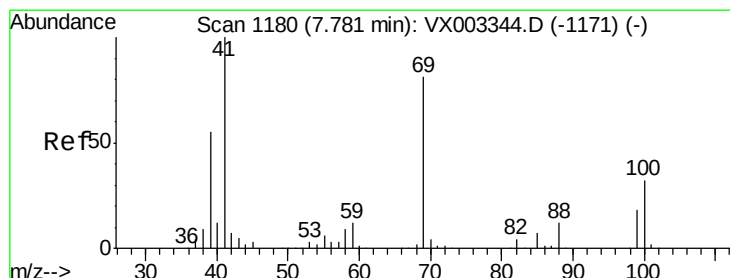
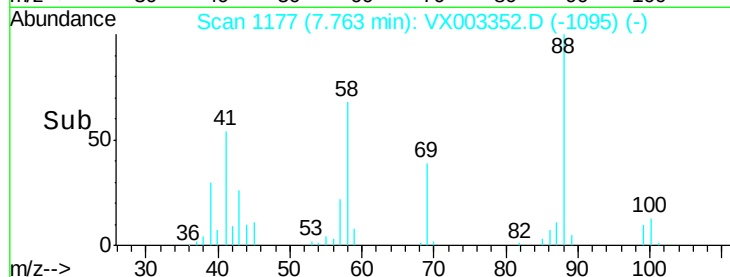
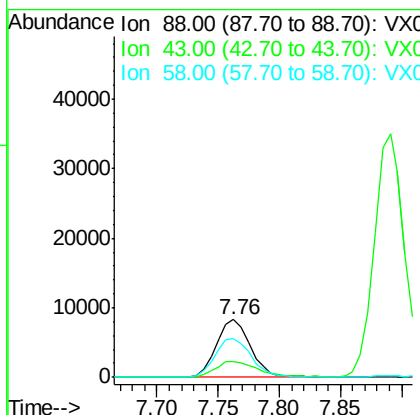
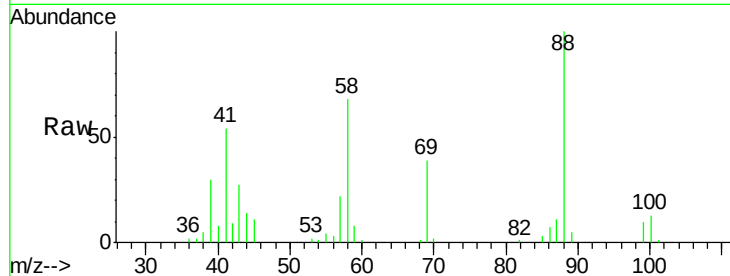
#45
1,4-Dioxane
Concen: 204.715 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	43.2	64.8#
58	71.4	60.2	90.2

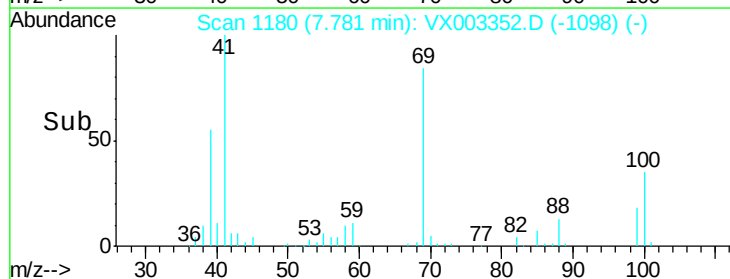
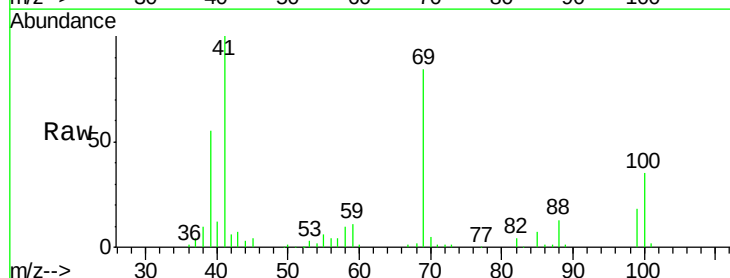
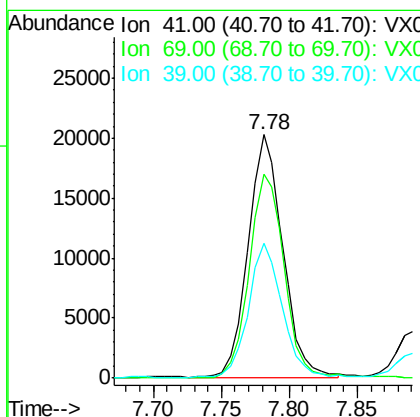
Manual Integrations
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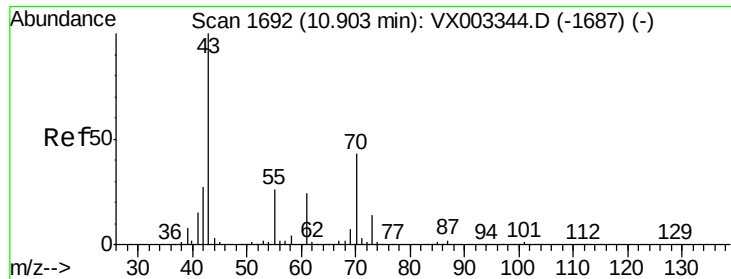
MMDadoda
7/13/2018 11:35:54 AM



#46
Methyl methacrylate
Concen: 9.404 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	37.0	110.9
39	55.3	29.6	88.9





#47

n-amvl Acetate

Concen: 9.037 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 57974

Ion Ratio Lower Upper

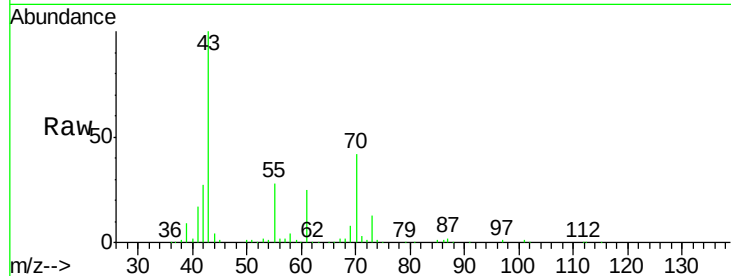
43 100

55 27.3 0.1 0.1#

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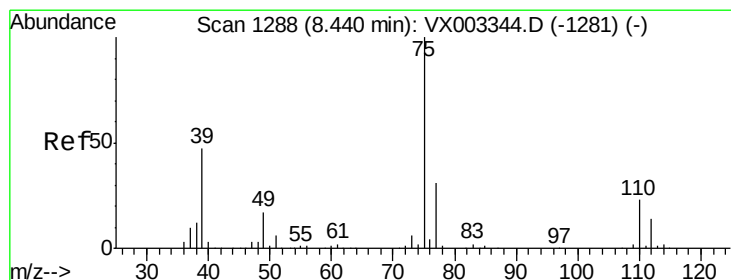
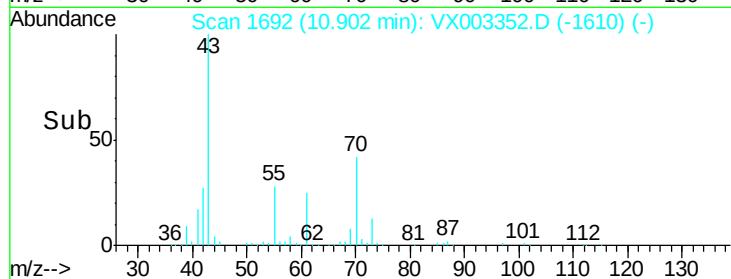
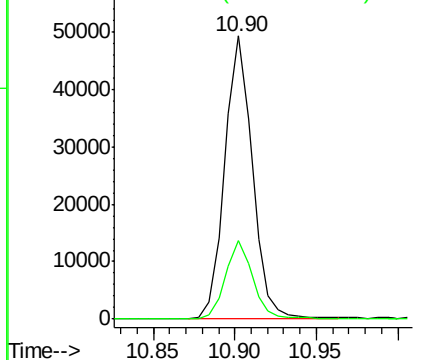
MMDadoda

7/13/2018 11:35:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 9.205 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003352.D

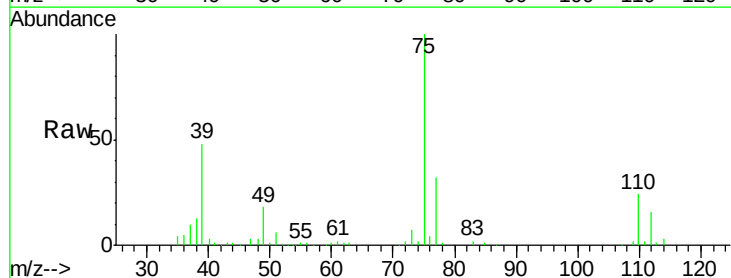
Acq: 12 Jul 2018 15:36

Tgt Ion: 75 Resp: 47890

Ion Ratio Lower Upper

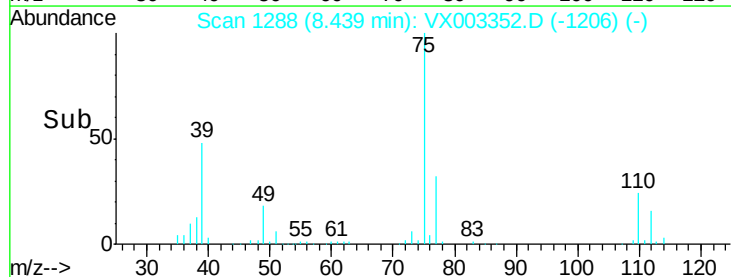
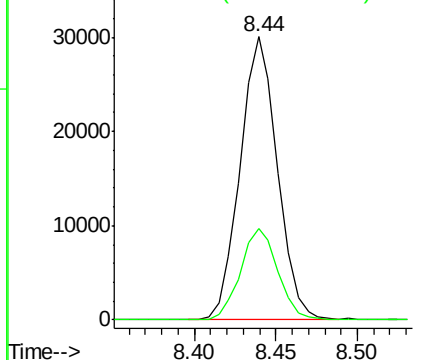
75 100

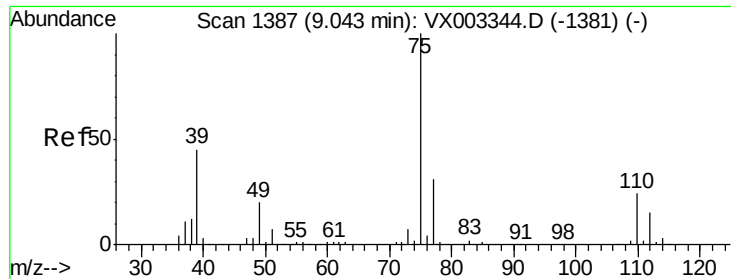
77 32.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





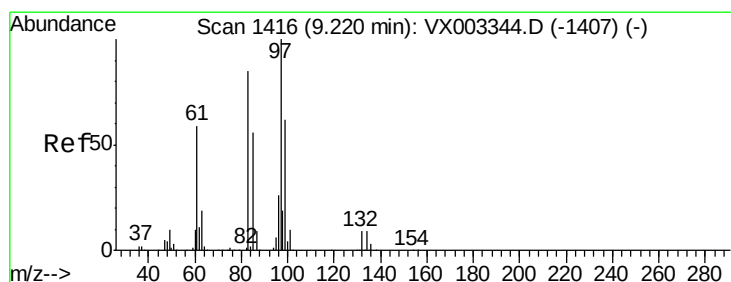
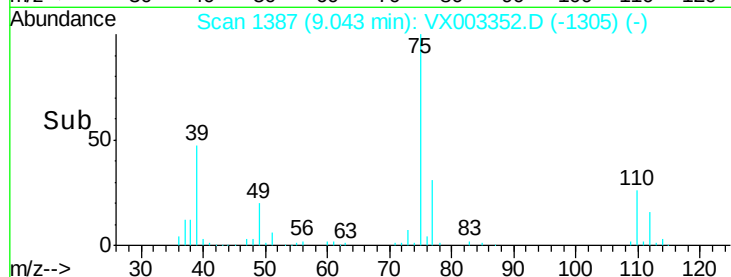
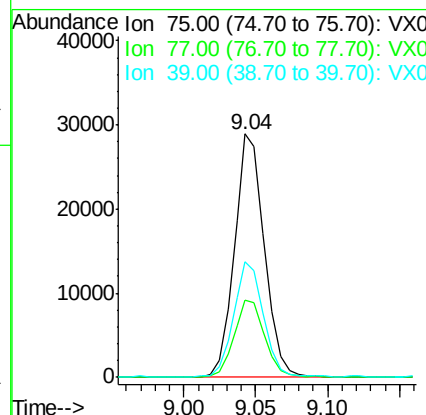
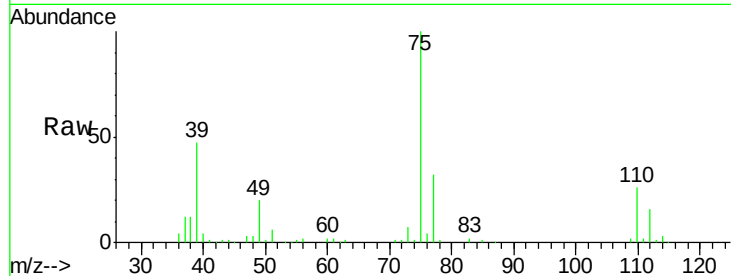
#49
 cis-1,3-Dichloropropene
 Concen: 8.892 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	47.0	42.3	63.5

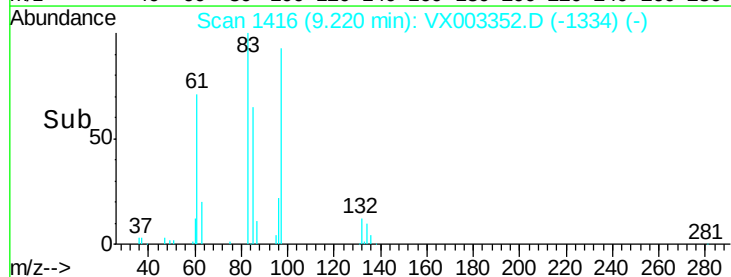
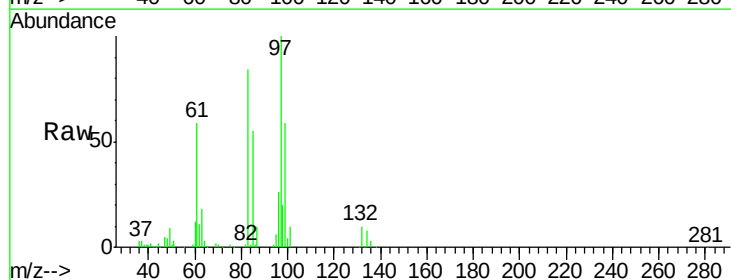
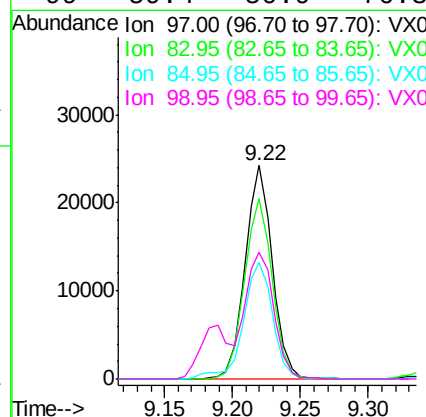
Manual Integrations
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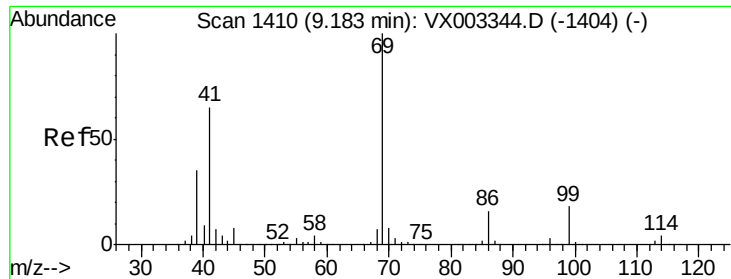
MMDadoda
 7/13/2018 11:35:54 AM



#50
 1,1,2-Trichloroethane
 Concen: 9.834 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.8	106.2
85	54.7	43.5	65.3
99	59.4	50.9	76.3





#51

Ethyl methacrylate

Concen: 9.465 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

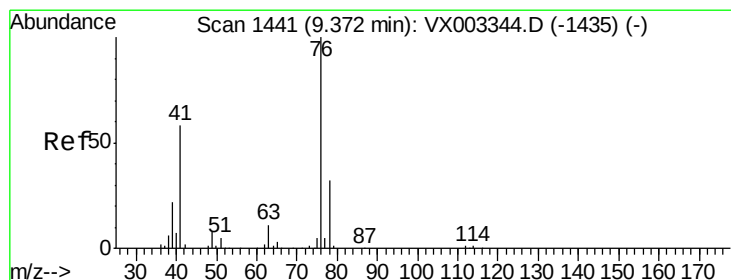
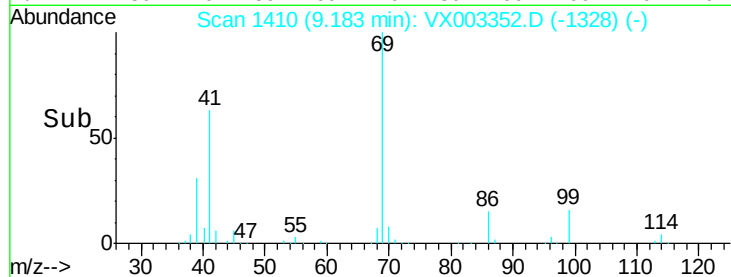
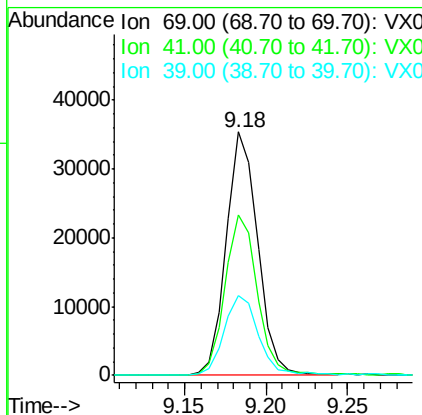
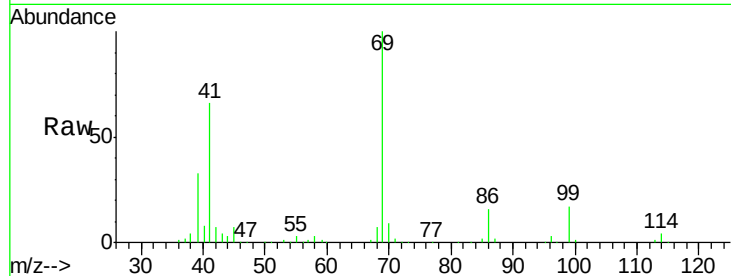
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	69	Resp:	47596
Ion	Ratio	Lower	Upper
69	100		
41	65.6	39.1	117.3
39	32.7	21.7	65.1

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#52

1,3-Dichloropropane

Concen: 10.080 ug/l

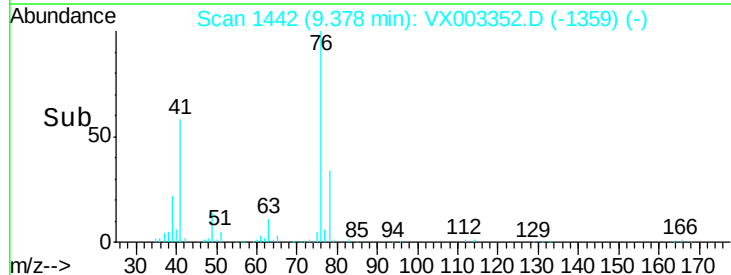
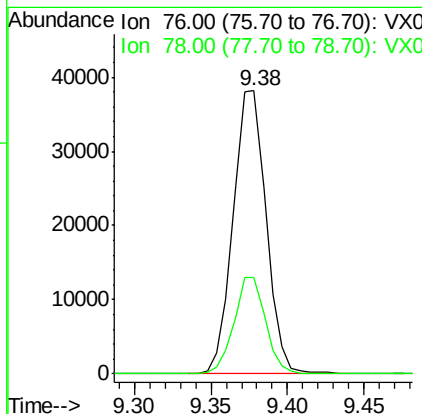
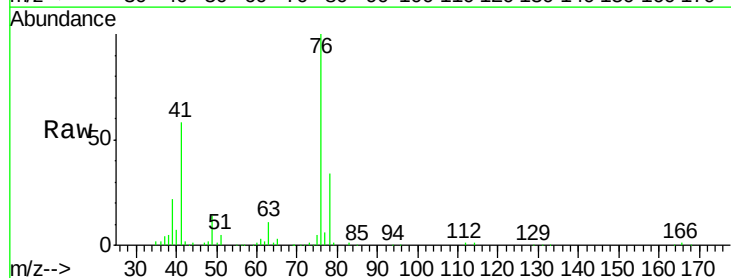
RT: 9.38 min Scan# 1442

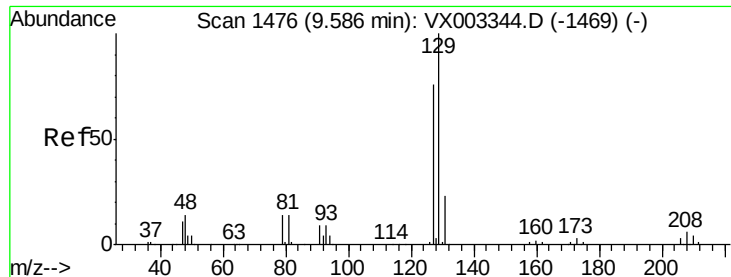
Delta R.T. 0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Tgt Ion:	76	Resp:	57124
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.4





#53

Dibromochloromethane

Concen: 8.902 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:129 Resp: 30697

Ion Ratio Lower Upper

129 100

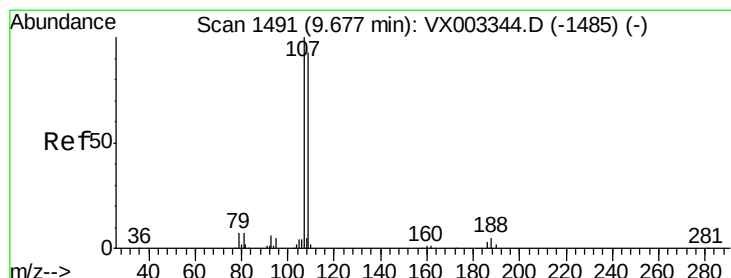
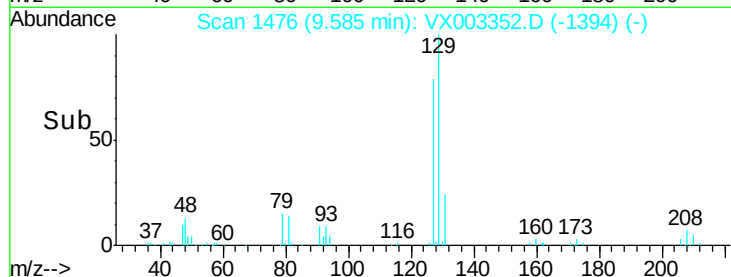
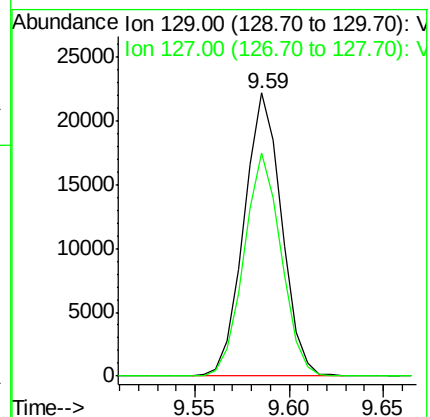
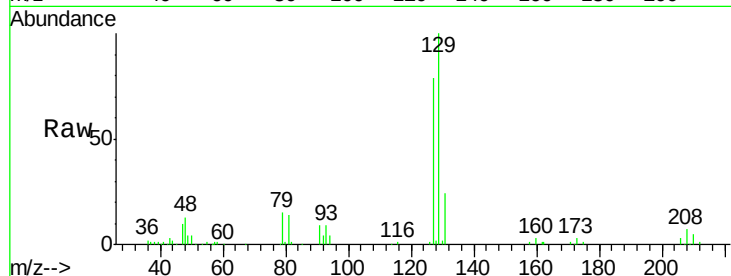
127 77.7 38.5 115.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.816 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003352.D

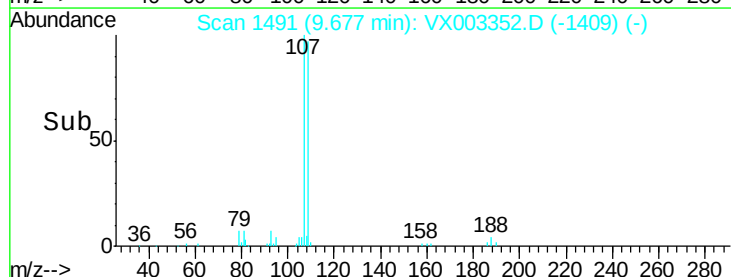
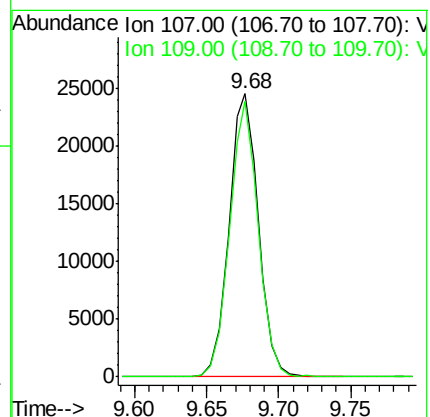
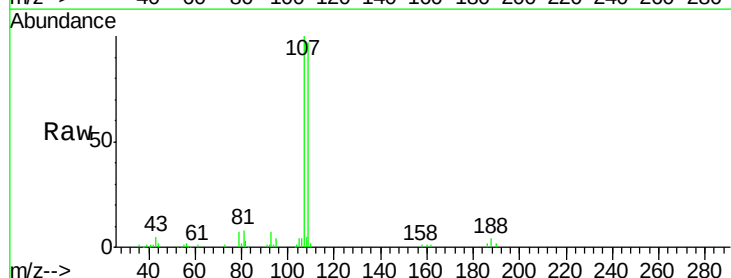
Acq: 12 Jul 2018 15:36

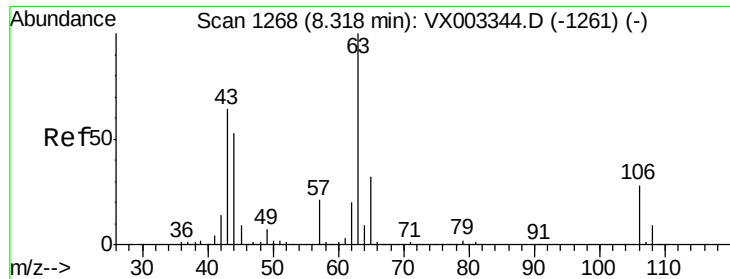
Tgt Ion:107 Resp: 35124

Ion Ratio Lower Upper

107 100

109 94.7 75.5 113.3





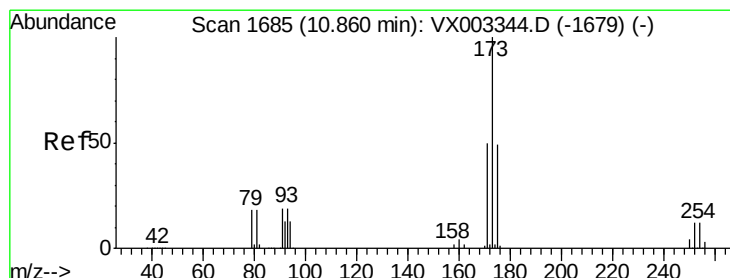
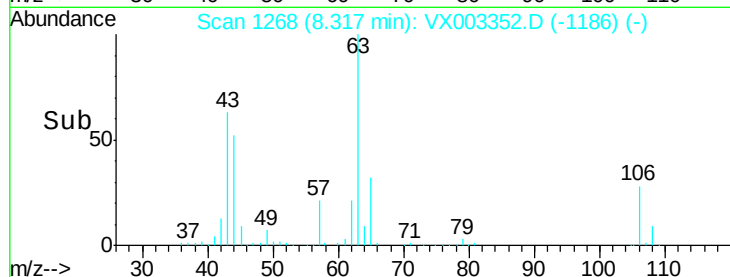
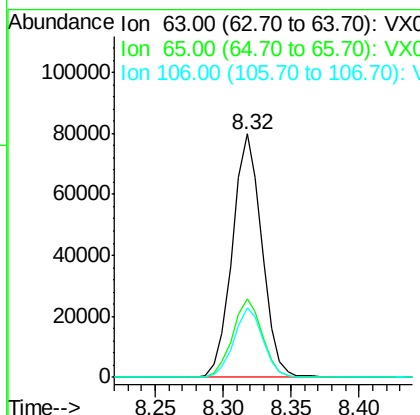
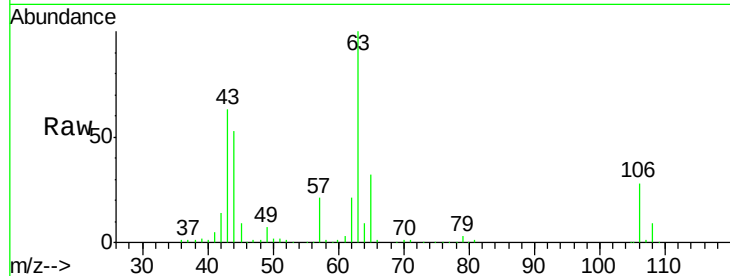
#55
2-Chloroethyl vinyl ether
Concen: 50.939 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	28.0	21.6	32.4

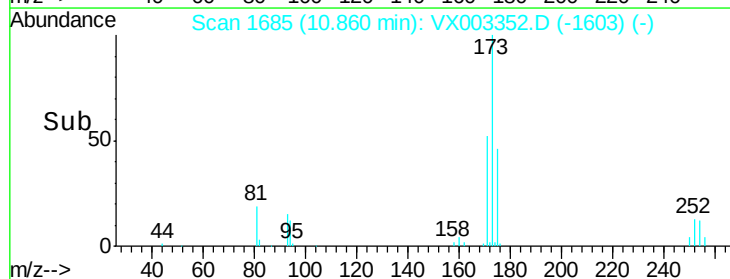
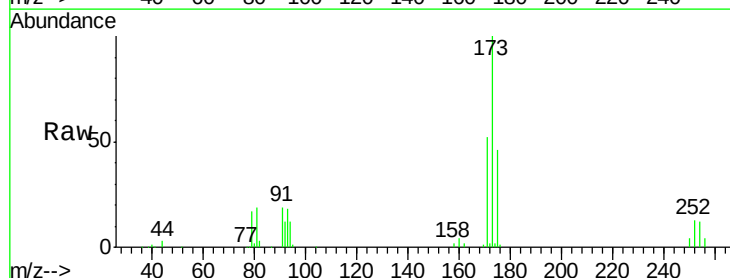
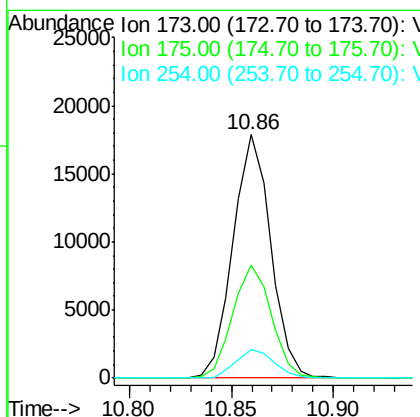
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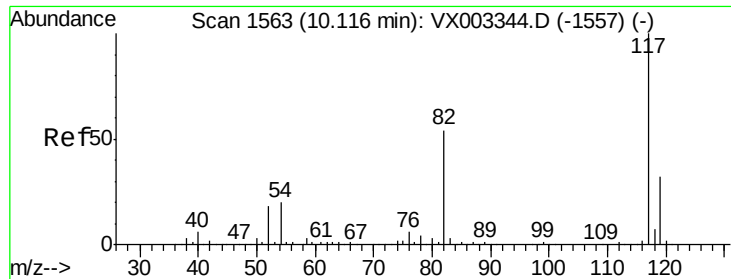
MMDadoda
7/13/2018 11:35:54 AM



#56
Bromoform
Concen: 8.687 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.0	58.4
254	11.9	9.6	14.4





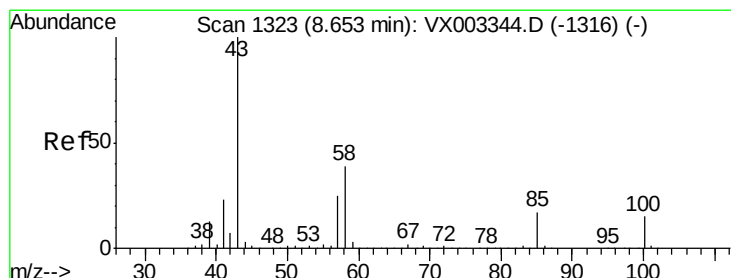
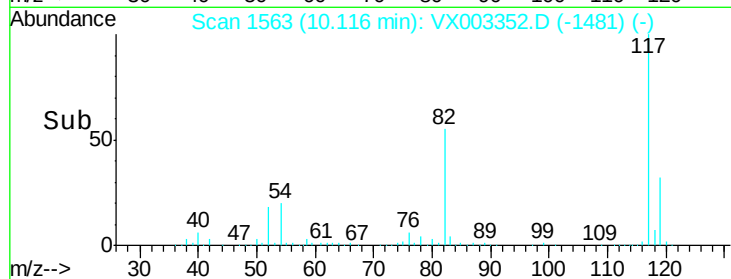
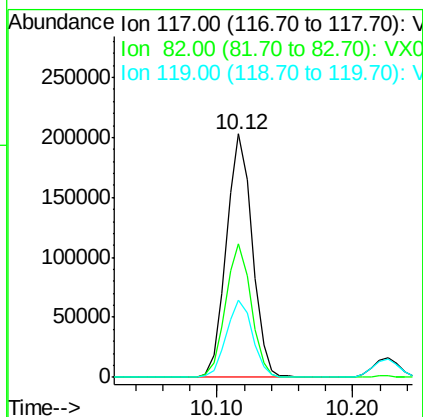
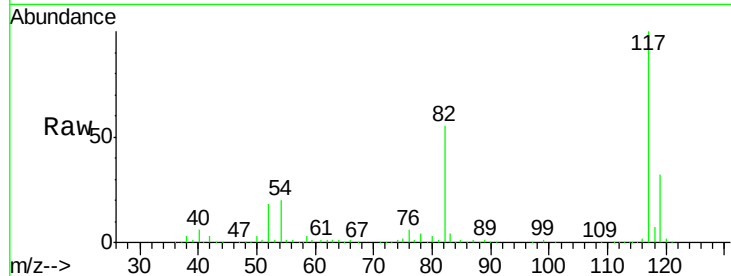
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.3	66.5
119	32.2	25.7	38.5

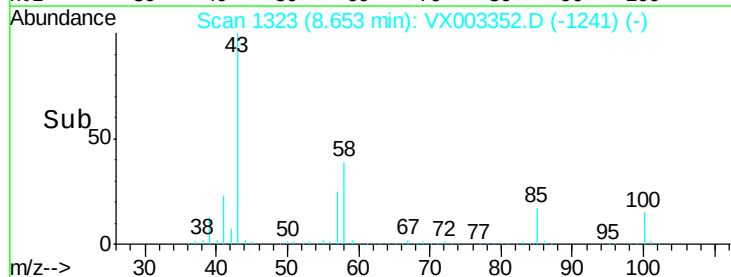
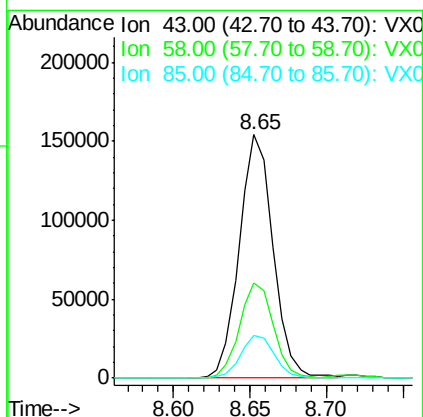
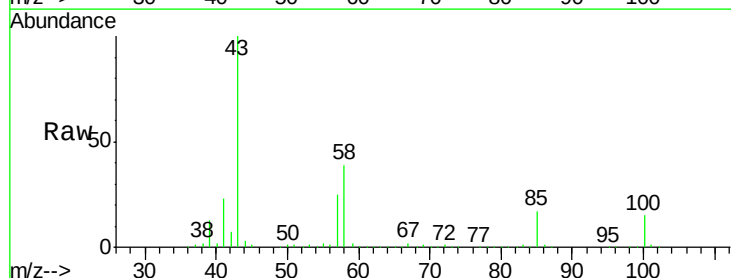
Manual Integrations
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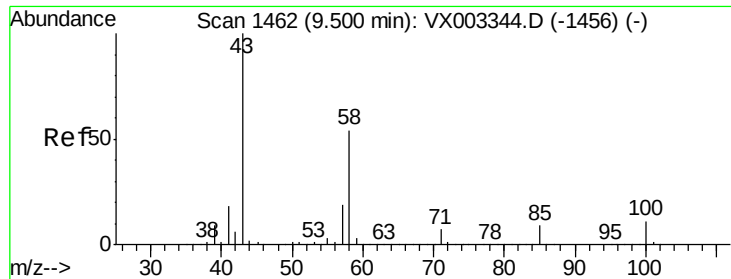
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 49.459 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	28.2	42.4
85	17.7	12.4	18.6





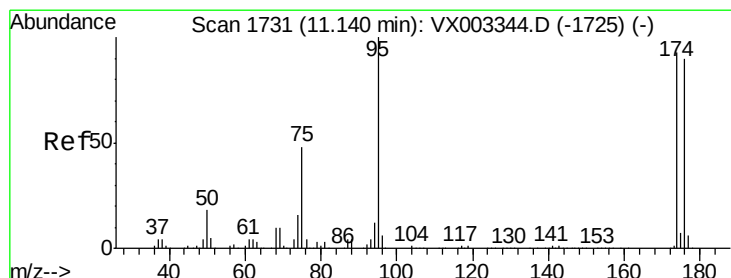
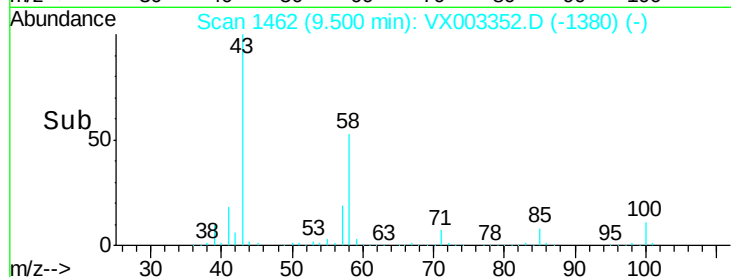
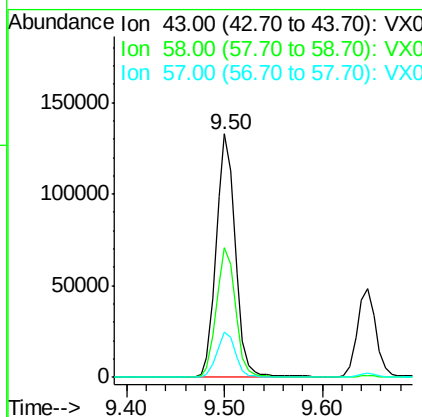
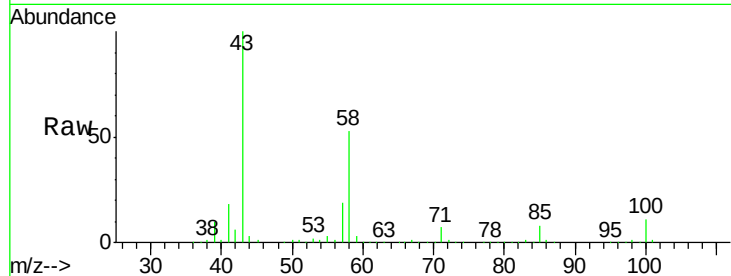
#59
2-Hexanone
Concen: 49.590 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	39.6	59.4
57	18.3	14.1	21.1

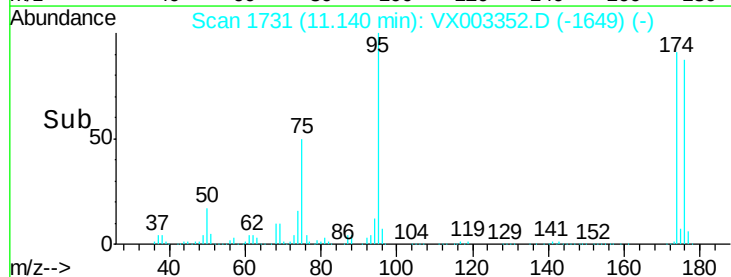
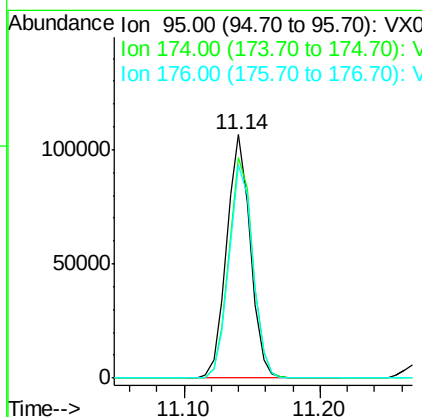
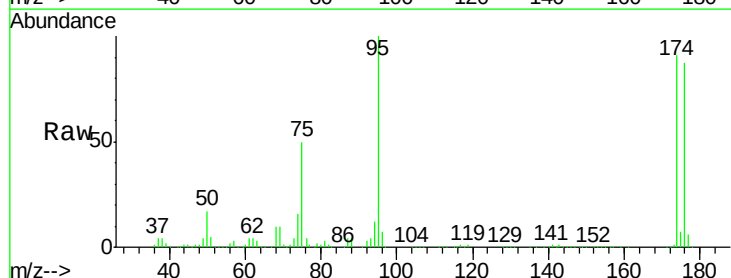
Manual Integrations
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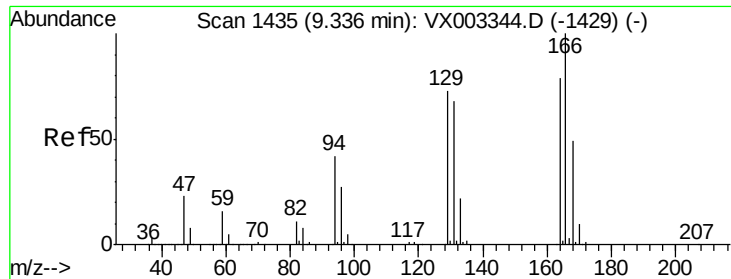
MMDadoda
7/13/2018 11:35:54 AM



#60
4-Bromofluorobenzene
Concen: 29.762 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	71.8	107.6
176	88.9	70.1	105.1





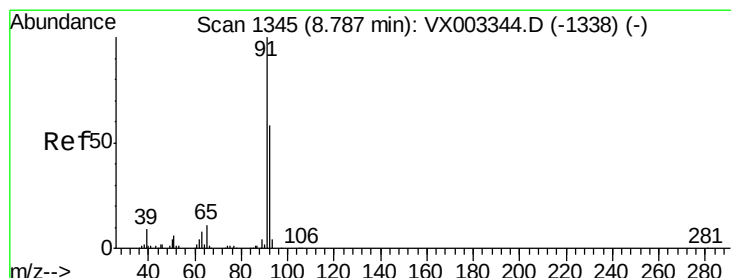
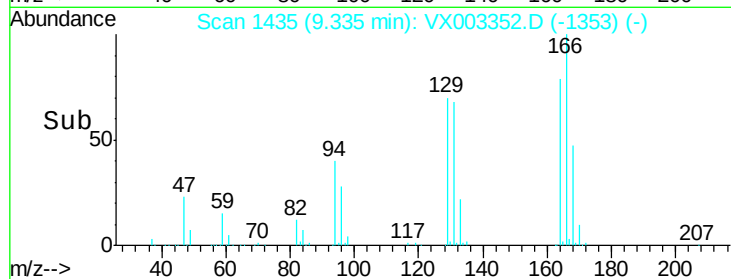
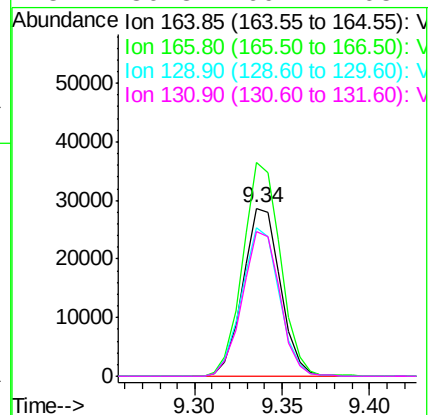
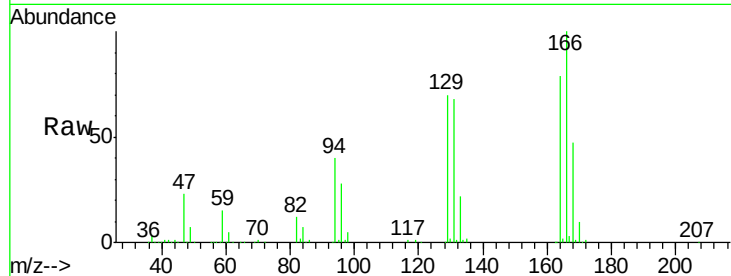
#61
Tetrachloroethene
Concen: 10.410 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.4	153.6
129	88.6	70.1	105.1
131	86.3	69.1	103.7

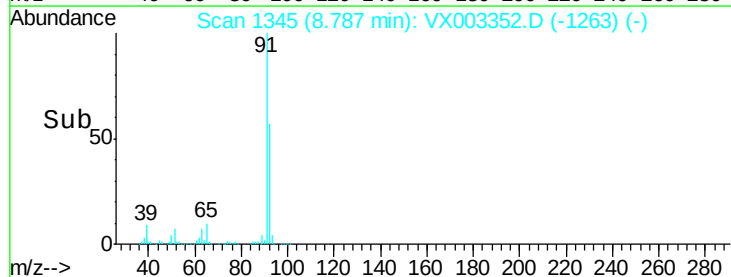
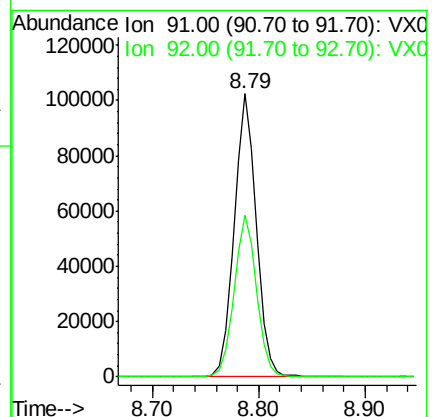
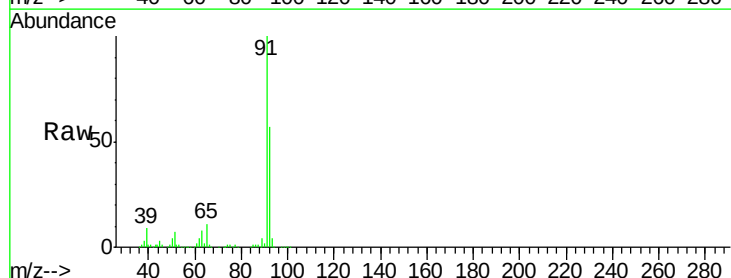
Manual Integrations
APPROVED

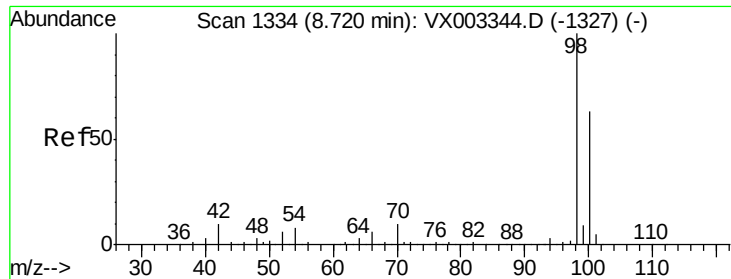
MMDadoda
7/13/2018 11:35:54 AM



#62
Toluene
Concen: 10.216 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	46.5	69.7





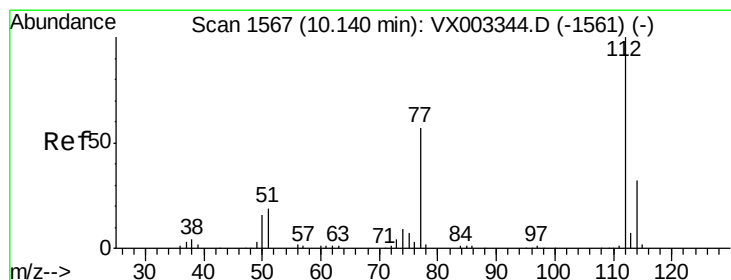
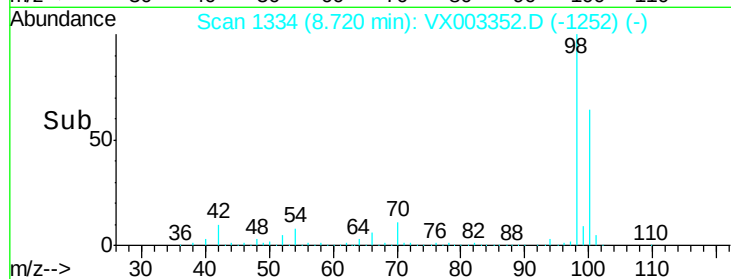
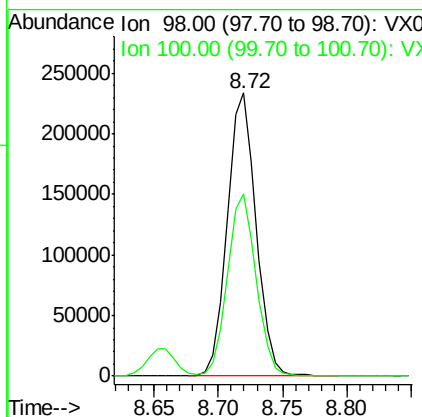
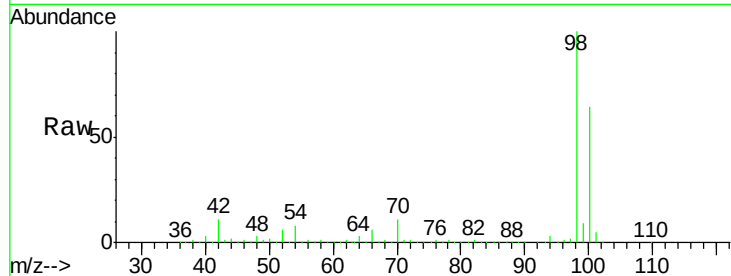
#63
Toluene-d8
Concen: 30.688 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 98 Resp: 364076
Ion Ratio Lower Upper
98 100
100 64.3 50.8 76.2

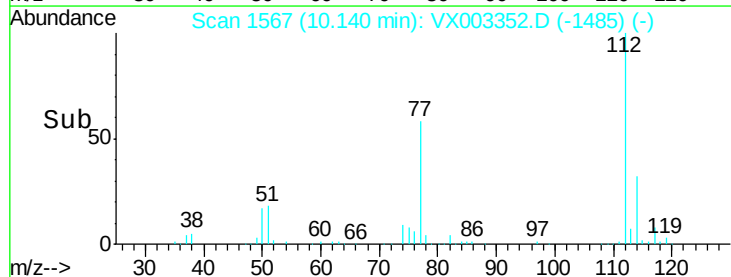
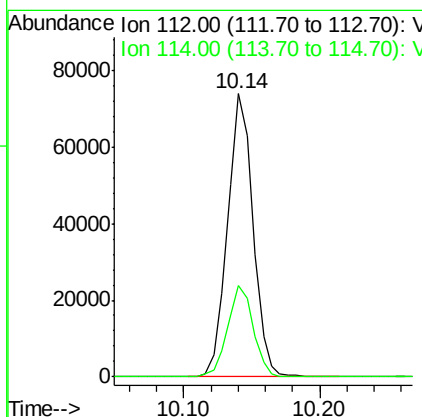
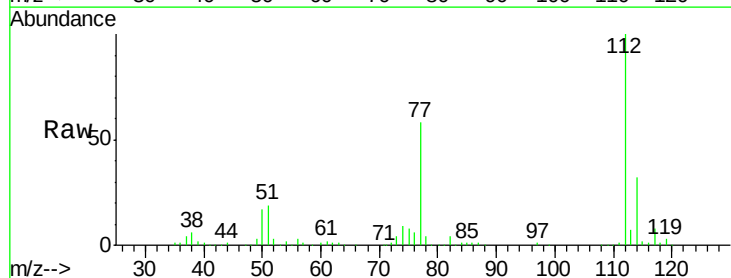
Manual Integrations
APPROVED

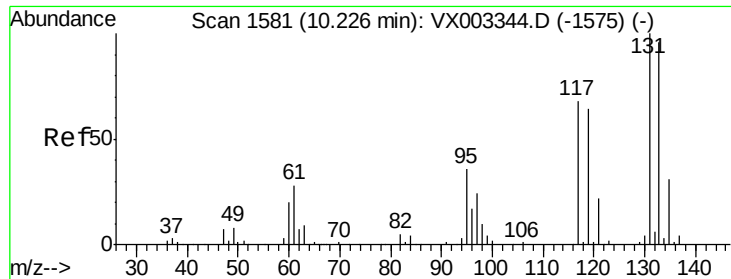
MMDadoda
7/13/2018 11:35:54 AM



#64
Chlorobenzene
Concen: 9.948 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion: 112 Resp: 96452
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 9.444 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:131 Resp: 32479

Ion Ratio Lower Upper

131 100

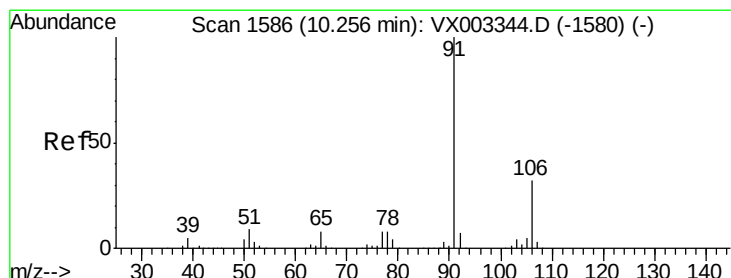
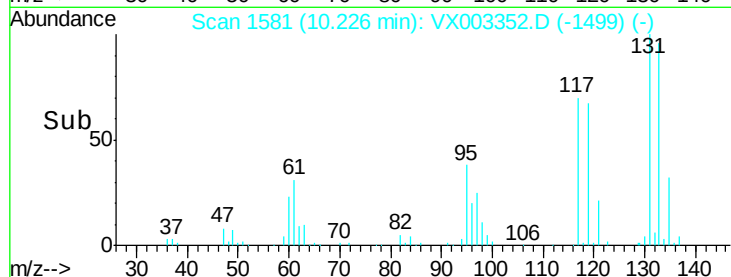
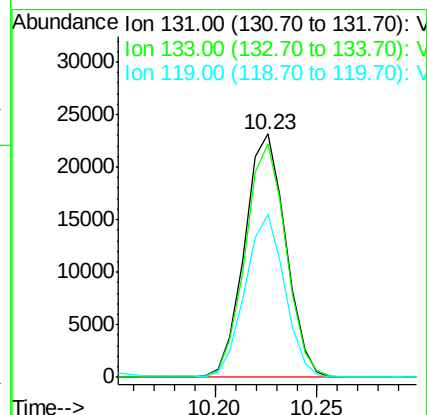
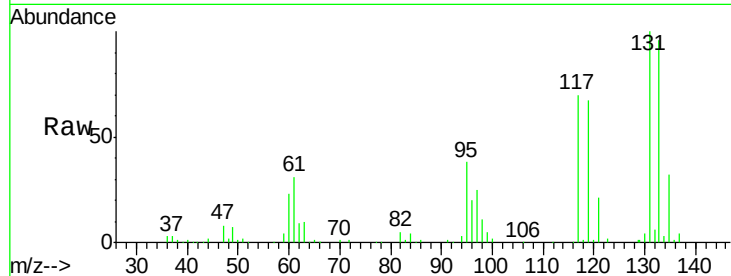
133 94.4 0.0 191.2

119 64.3 0.0 125.4

Manual Integrations
APPROVED

MMDadoda

7/13/2018 11:35:54 AM



#66

Ethyl Benzene

Concen: 9.778 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003352.D

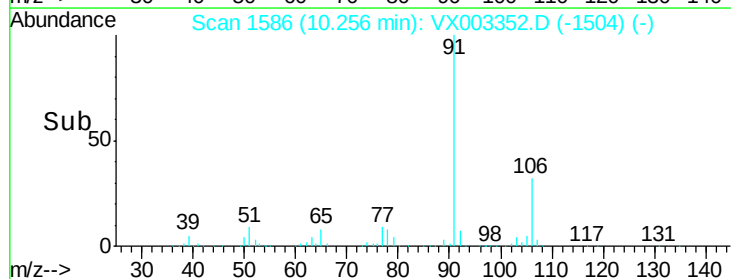
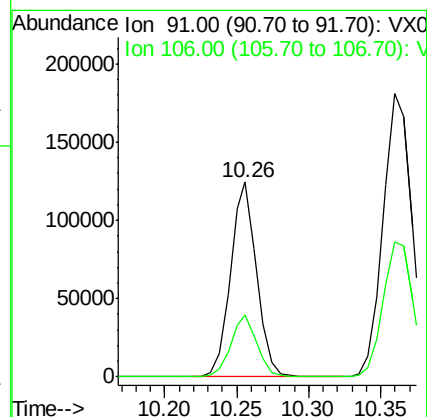
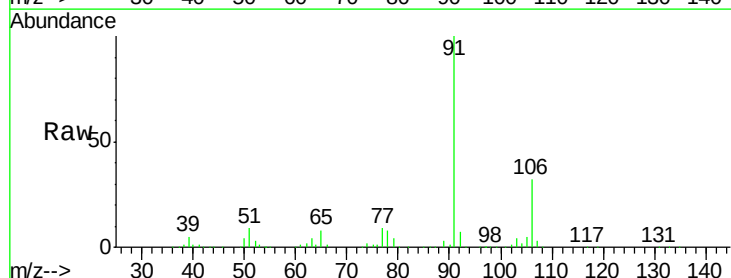
Acq: 12 Jul 2018 15:36

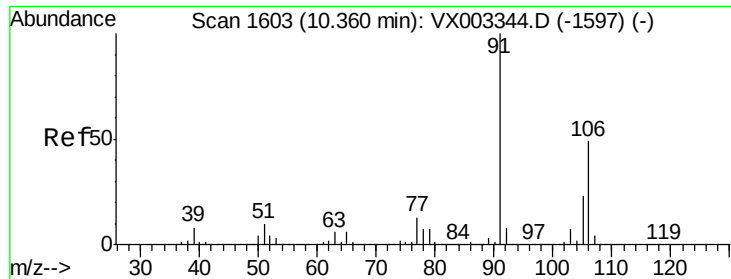
Tgt Ion: 91 Resp: 158203

Ion Ratio Lower Upper

91 100

106 31.7 25.2 37.8





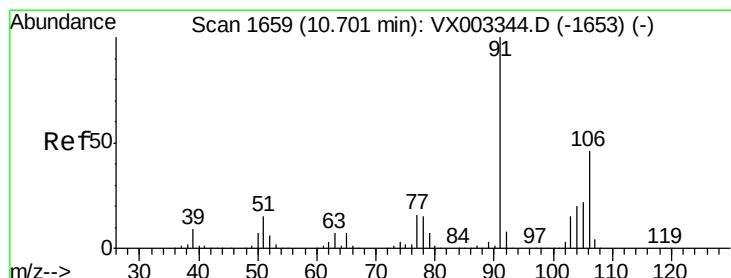
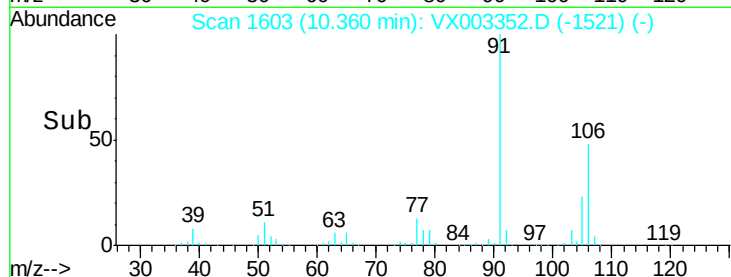
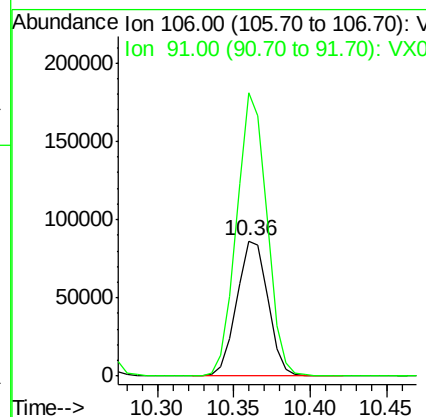
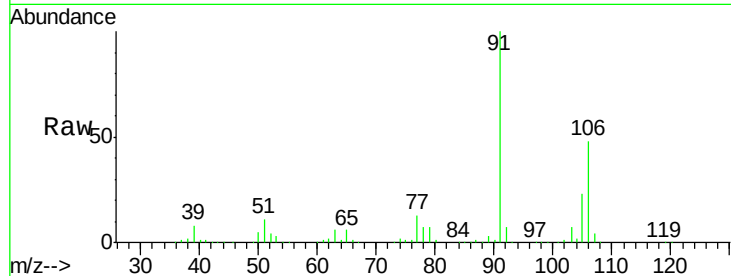
#67
m/p-Xylenes
Concen: 19.321 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		121633		
91	203.6	164.1	246.1		

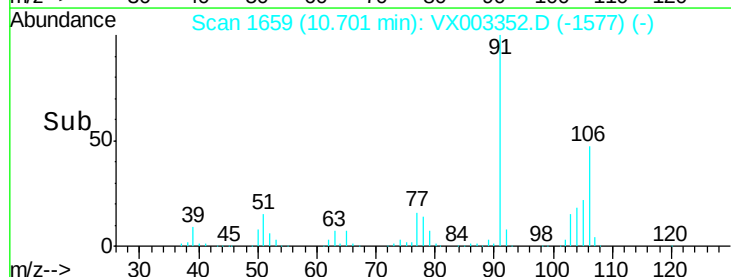
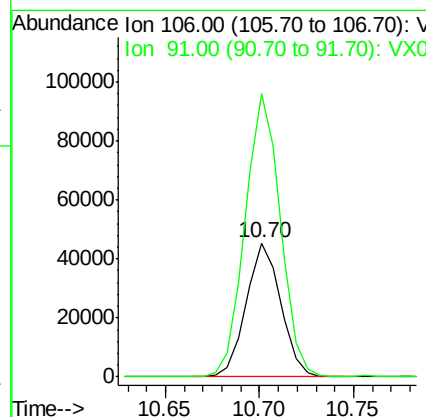
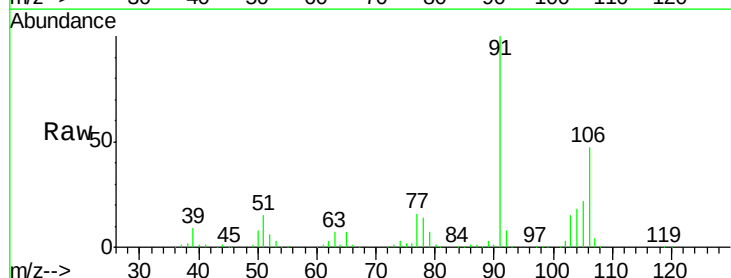
Manual Integrations
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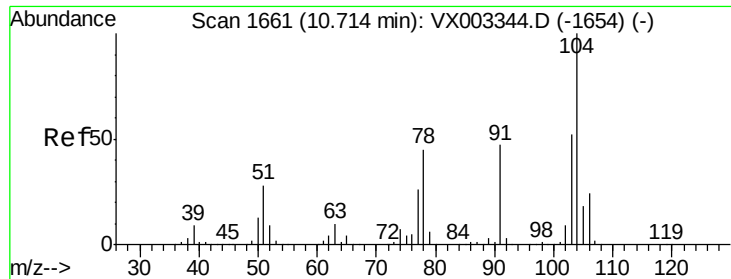
MMDadoda
7/13/2018 11:35:54 AM



#68
o-Xylene
Concen: 9.608 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		58196		
91	214.3	109.1	327.3		





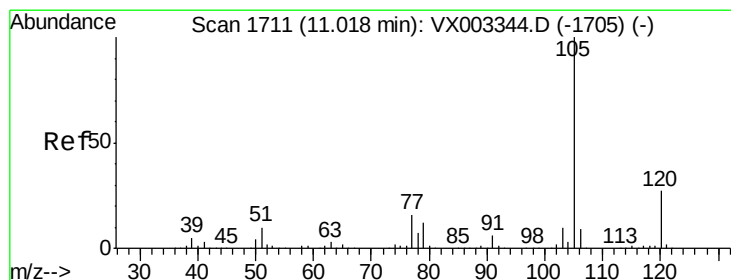
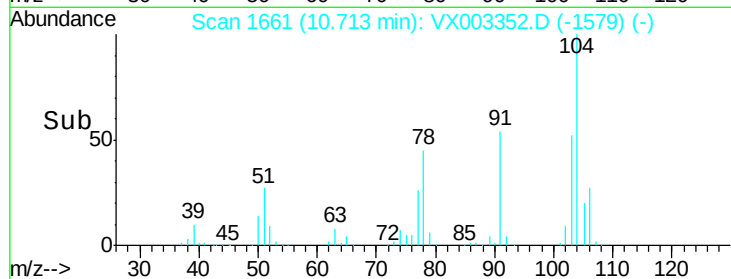
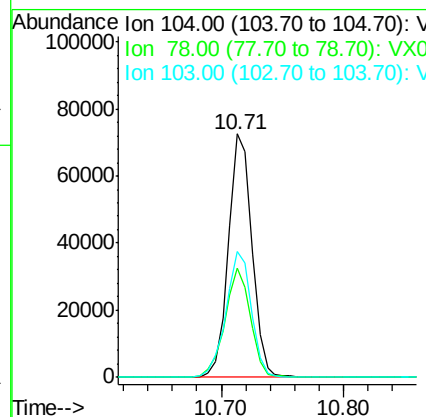
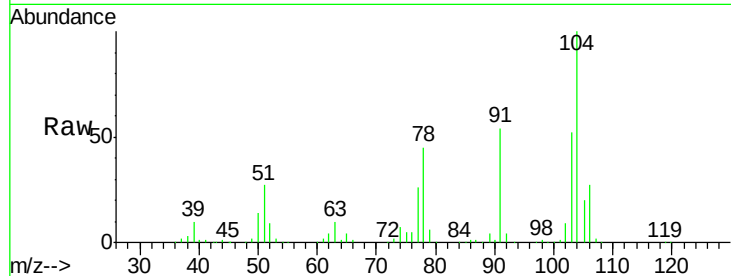
#69
Stvrene
Concen: 9.577 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	41.8	62.8
103	56.0	44.9	67.3

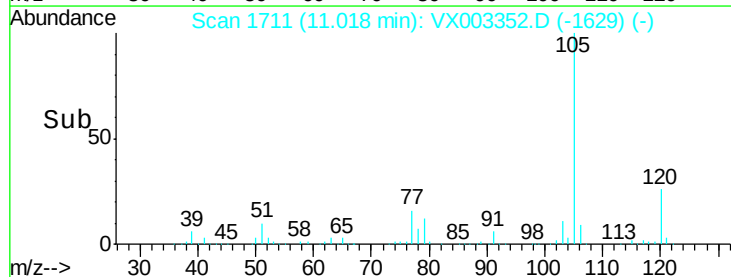
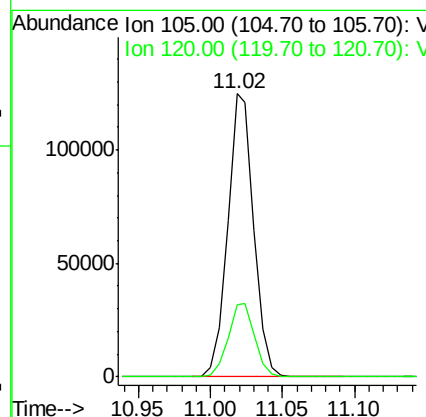
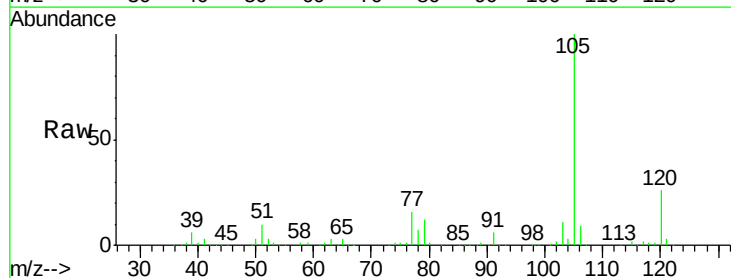
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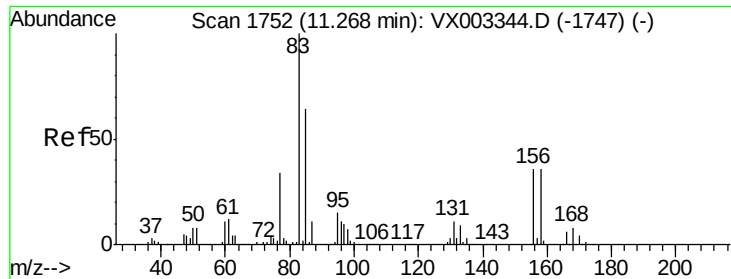
MMDadoda
7/13/2018 11:35:54 AM



#70
Isopropylbenzene
Concen: 9.870 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.2





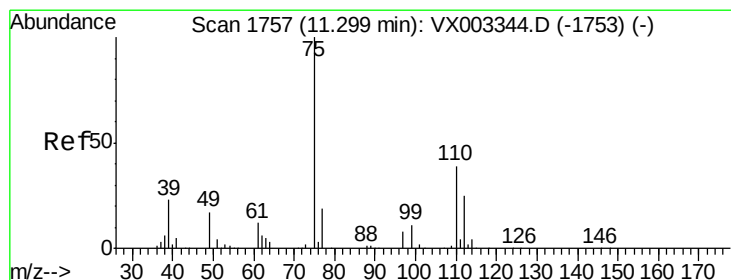
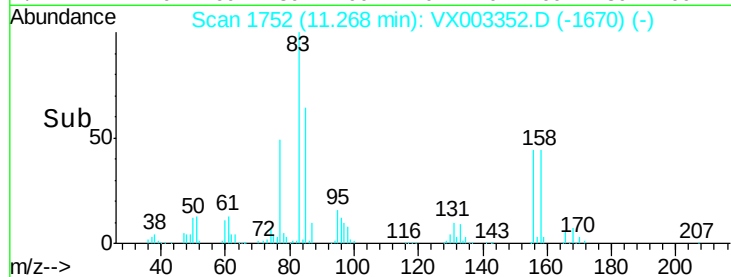
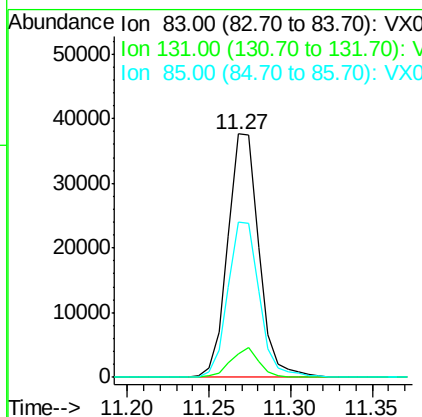
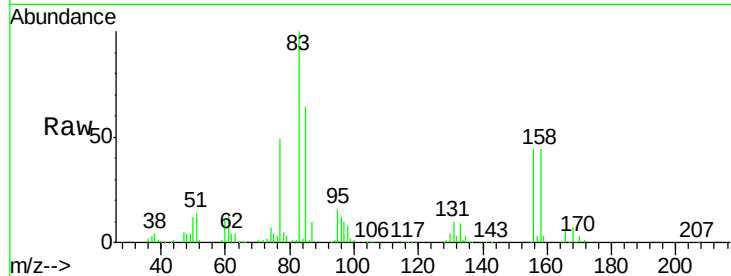
#71
 1,1,2,2-Tetrachloroethane
 Concen: 9.954 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.2	32.4	97.2

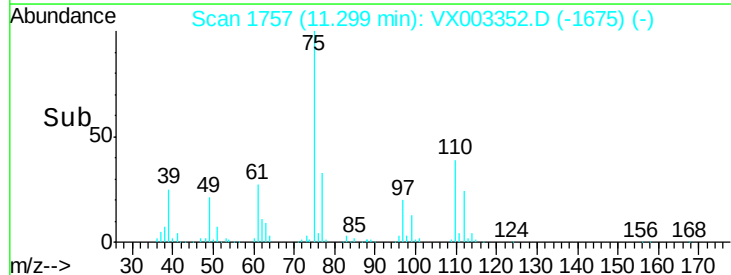
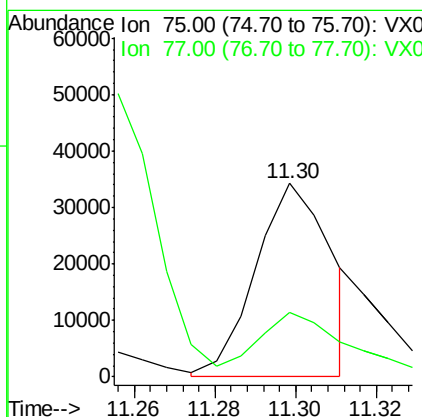
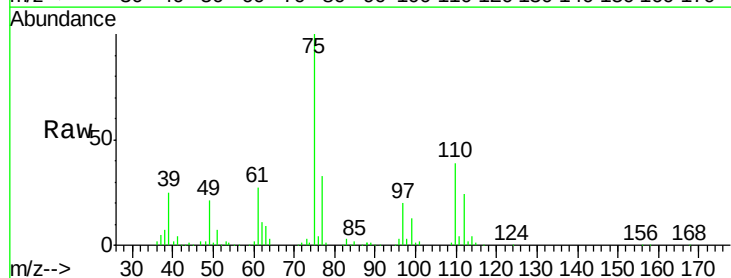
Manual Integrations
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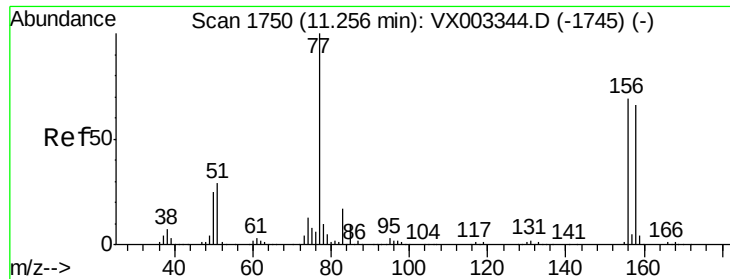
MMDadoda
 7/13/2018 11:35:54 AM



#72
 1,2,3-Trichloropropane
 Concen: 7.496 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.0	0.0	71.8





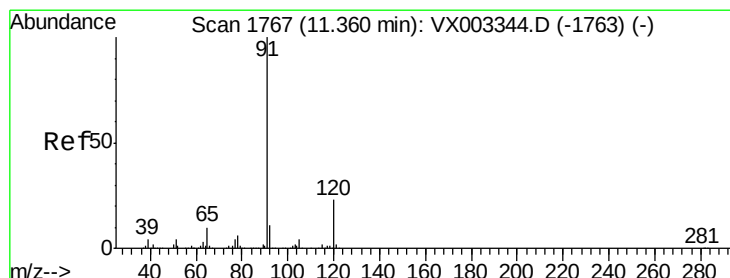
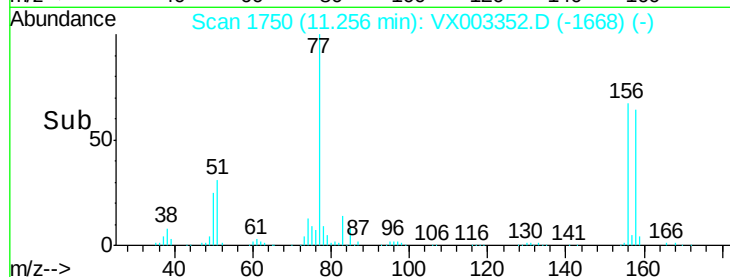
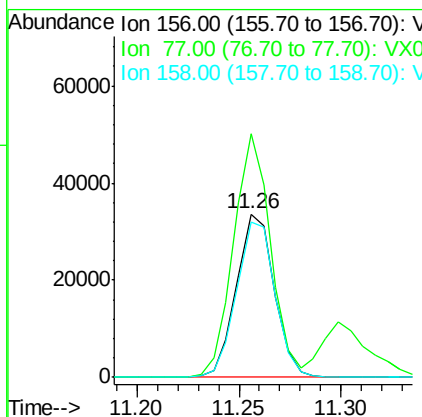
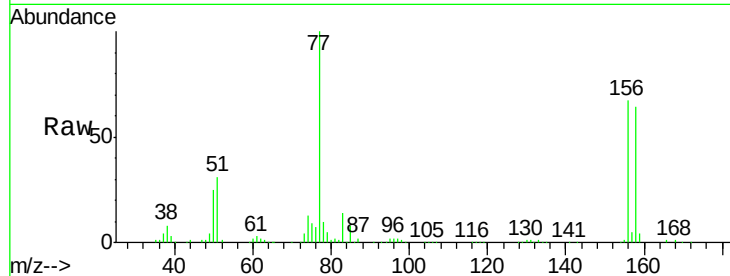
#73
Bromobenzene
Concen: 9.721 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.8	0.0	301.0
158	96.5	0.0	196.2

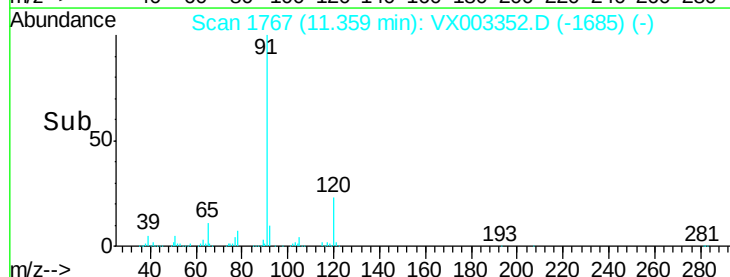
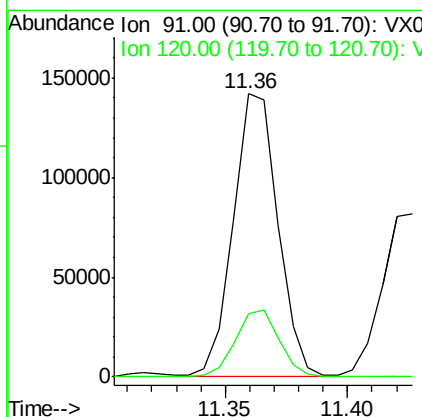
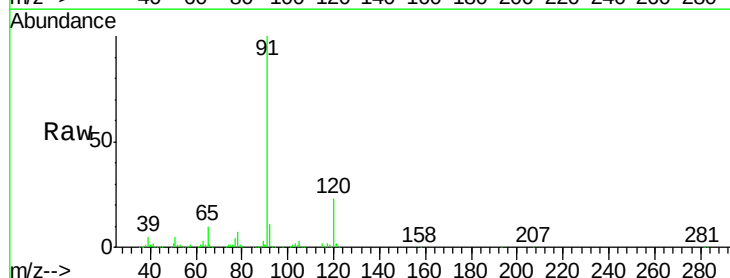
Manual Integrations
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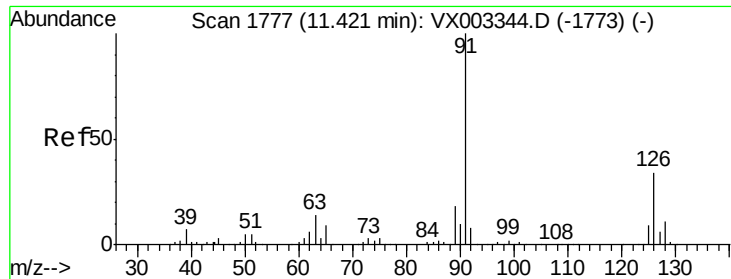
MMDadoda
7/13/2018 11:35:54 AM



#74
n-propylbenzene
Concen: 9.637 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	46.2





#75

2-Chlorotoluene

Concen: 9.677 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 108276

Ion Ratio Lower Upper

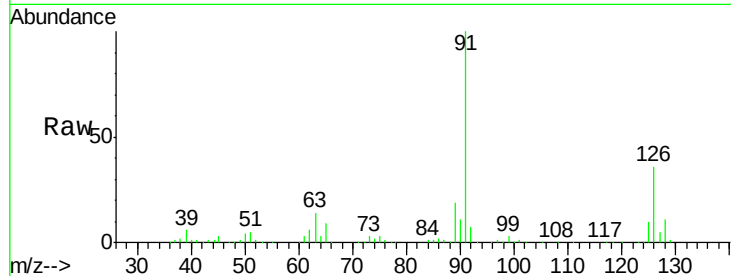
91 100

126 34.9 0.0 69.4

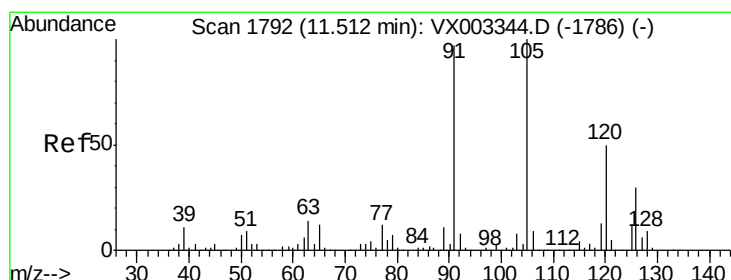
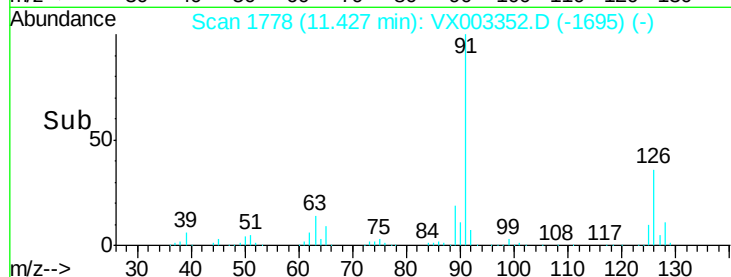
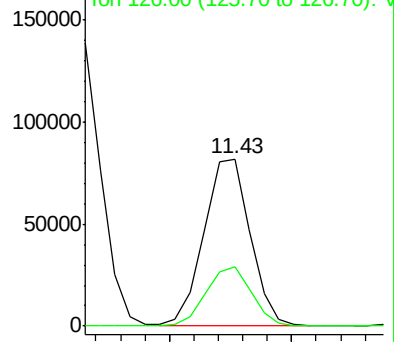
Manual Integrations
APPROVED

MMDadoda

7/13/2018 11:35:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003344.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 9.568 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003352.D

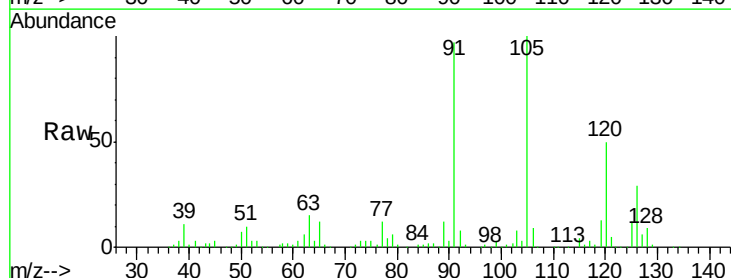
Acq: 12 Jul 2018 15:36

Tgt Ion: 105 Resp: 130037

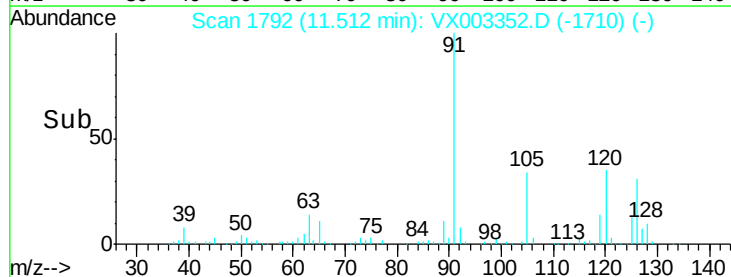
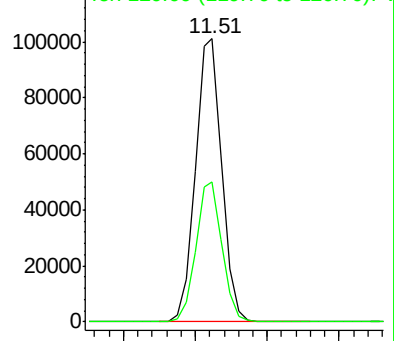
Ion Ratio Lower Upper

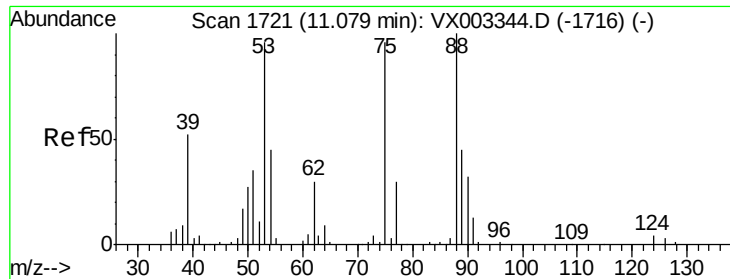
105 100

120 49.1 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003344.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 8.151 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003352.D

Acq: 12 Jul 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 11469

Ion Ratio Lower Upper

75 100

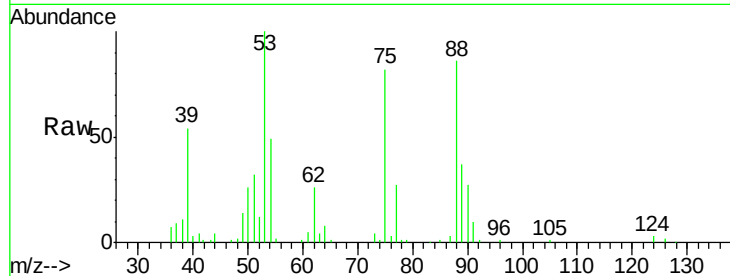
53 122.4 48.3 144.9

89 44.3 21.8 65.4

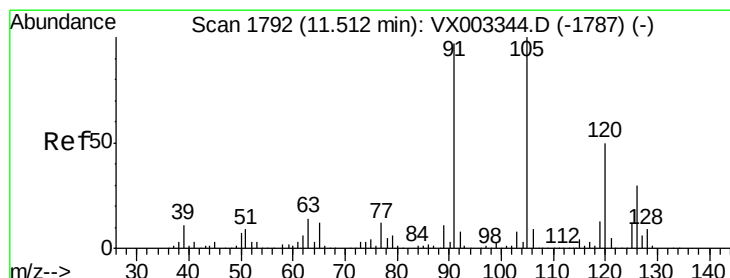
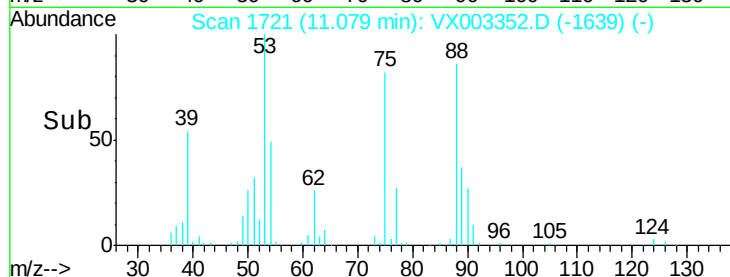
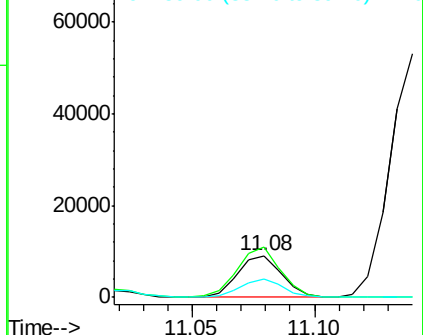
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 9.594 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003352.D

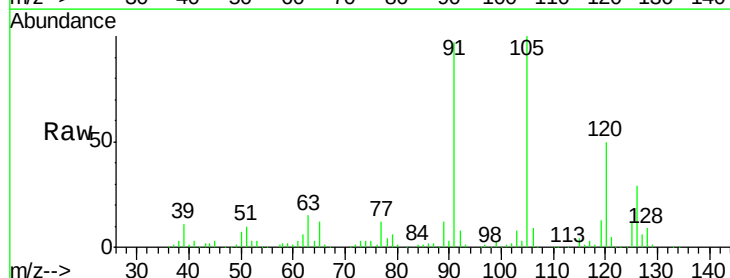
Acq: 12 Jul 2018 15:36

Tgt Ion: 91 Resp: 125407

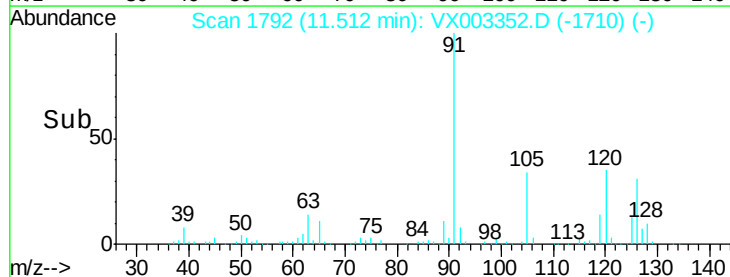
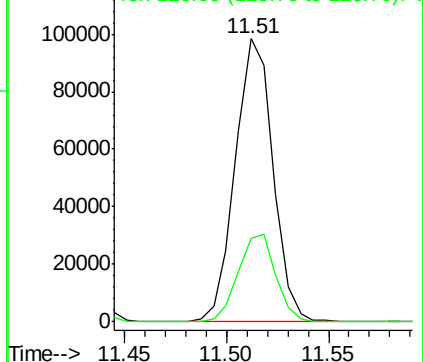
Ion Ratio Lower Upper

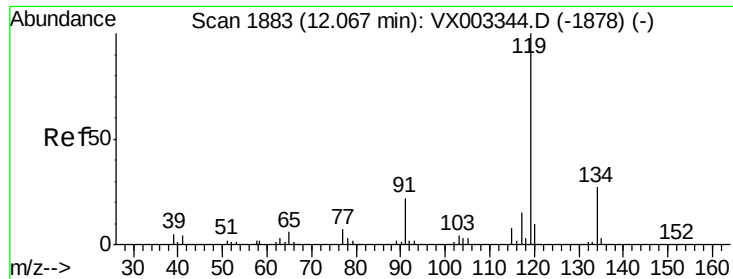
91 100

126 30.8 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





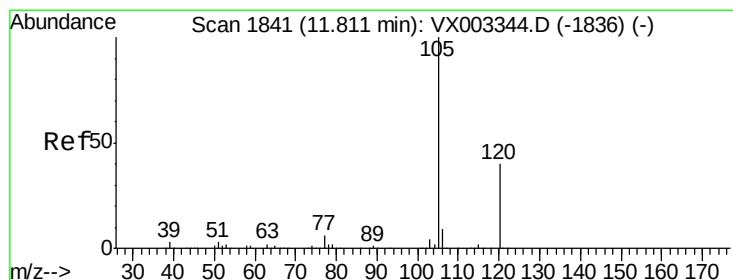
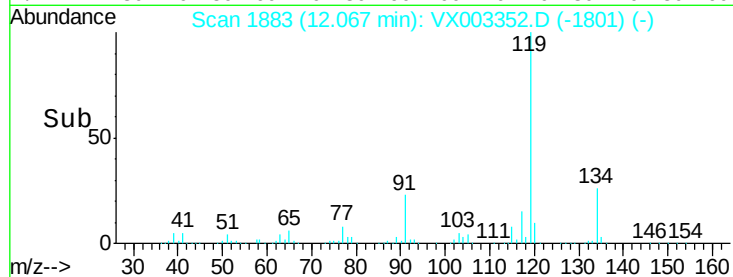
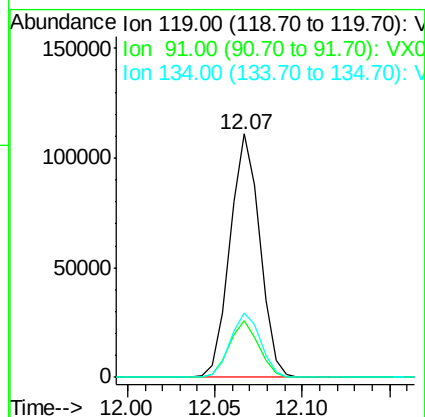
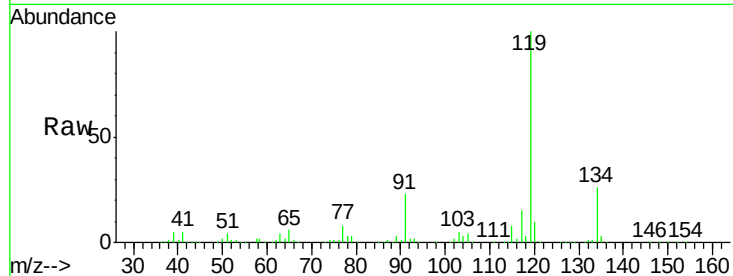
#79
tert-butylbenzene
Concen: 9.170 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	131992		
91	22.9	0.0	48.0	
134	26.9	0.0	52.6	

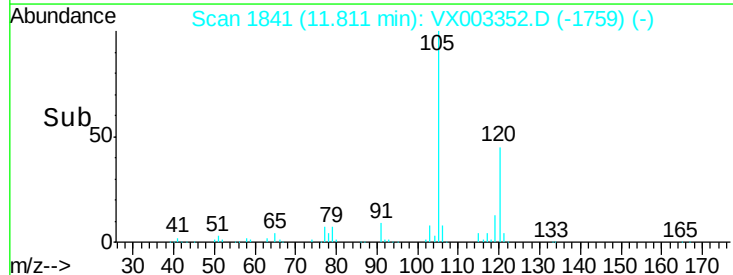
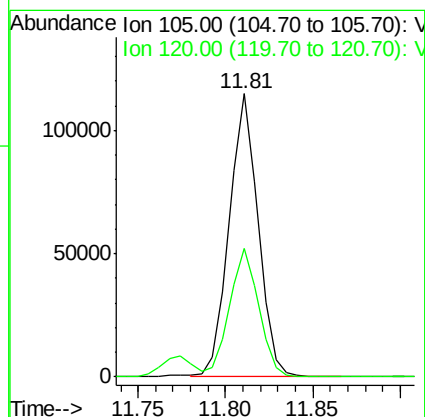
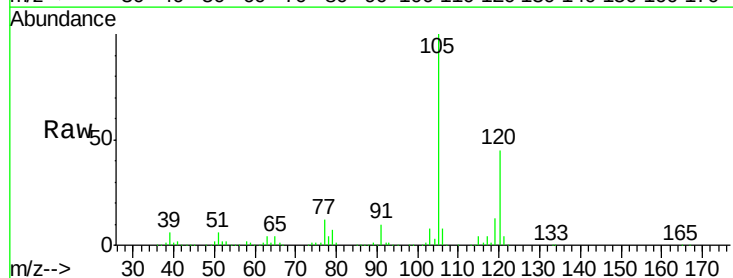
Manual Integrations
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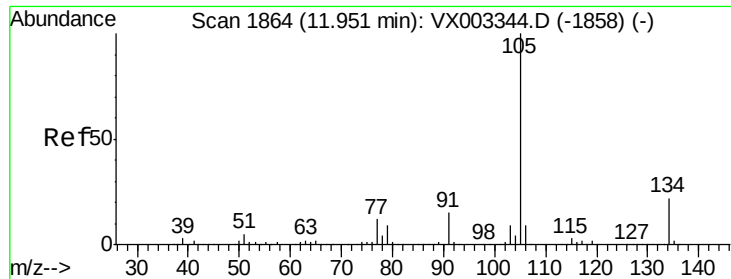
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 9.585 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	132369		
120	46.0	0.0	89.2	





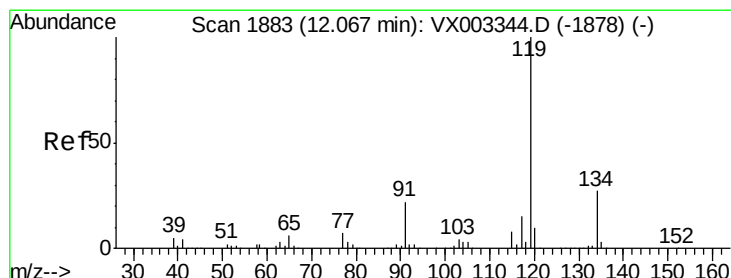
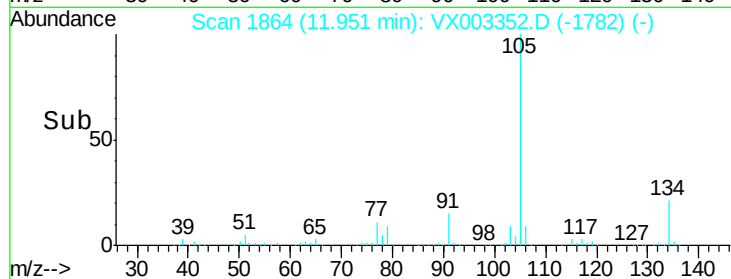
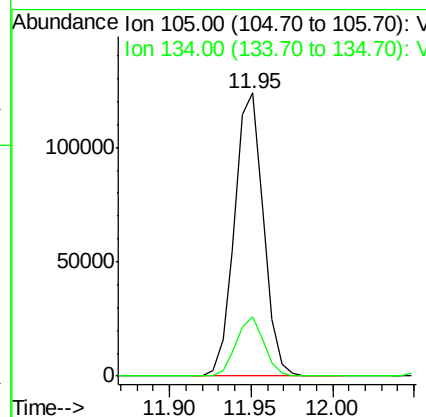
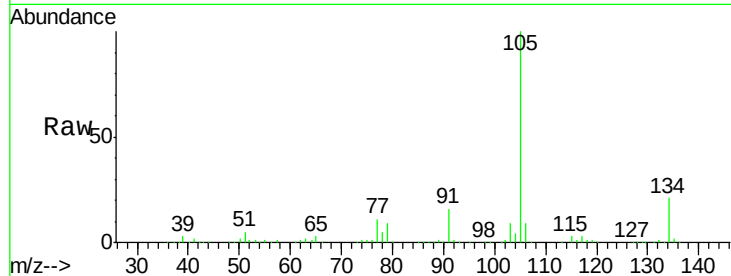
#81
 sec-Butylbenzene
 Concen: 9.478 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
105	100	152394		
134	20.3	0.0	41.6	

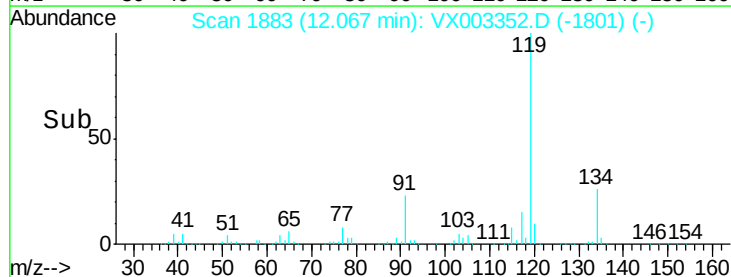
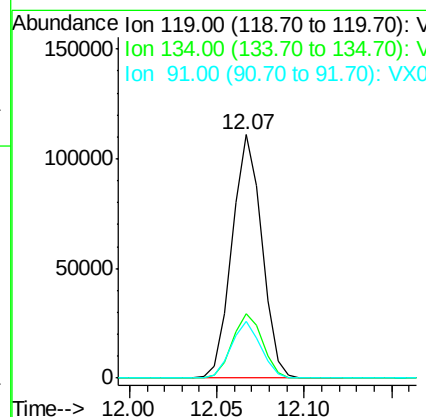
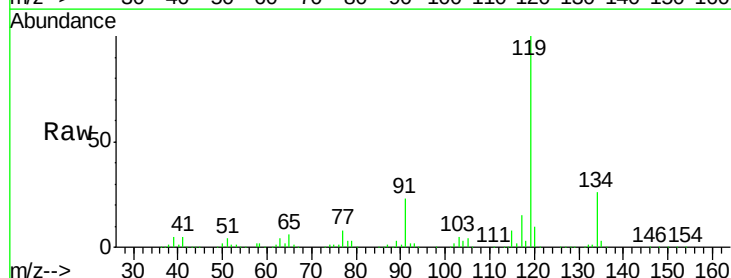
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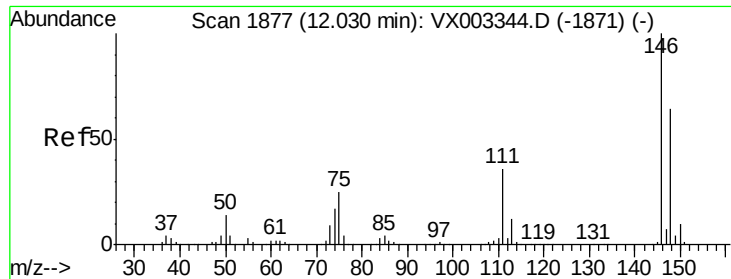
MMDadoda
 7/13/2018 11:35:54 AM



#82
 p-Isopropyltoluene
 Concen: 9.170 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	131992		
134	26.9	0.0	52.6	
91	22.9	0.0	48.0	





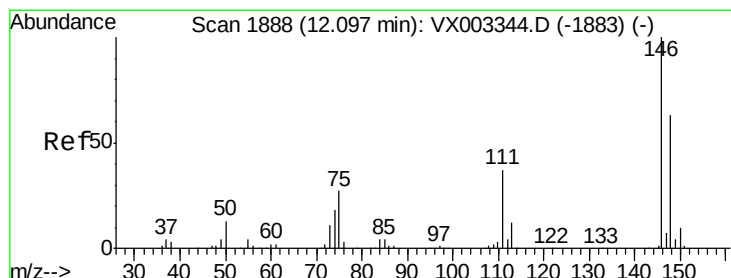
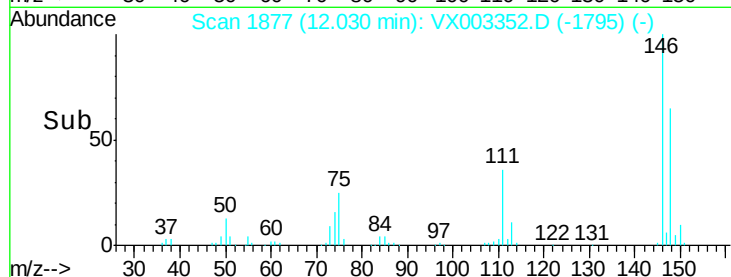
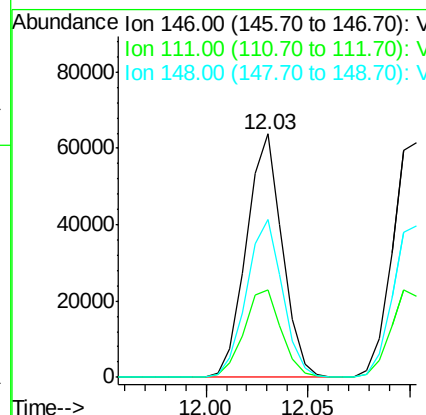
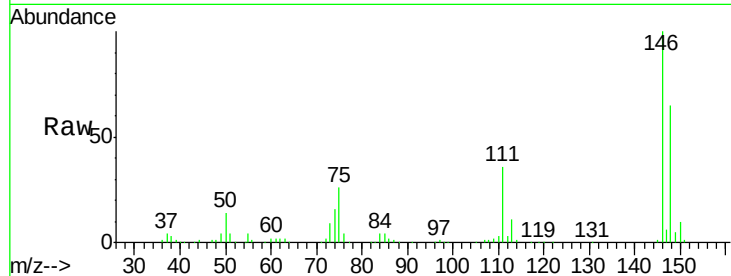
#83
 1,3-Dichlorobenzene
 Concen: 9.432 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	65.3	31.9	95.7

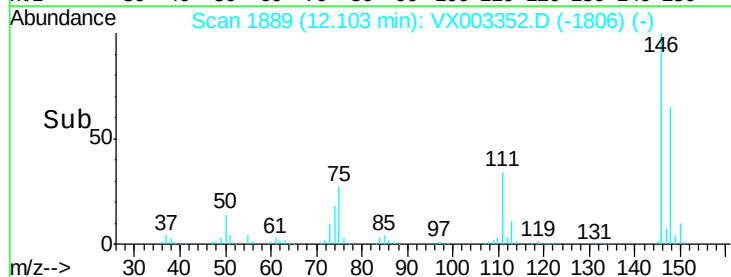
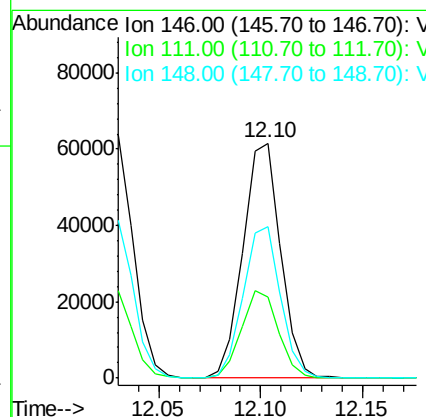
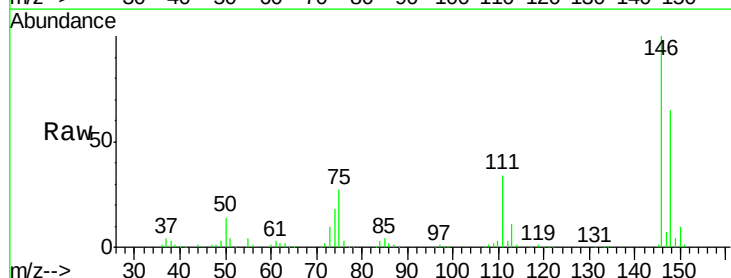
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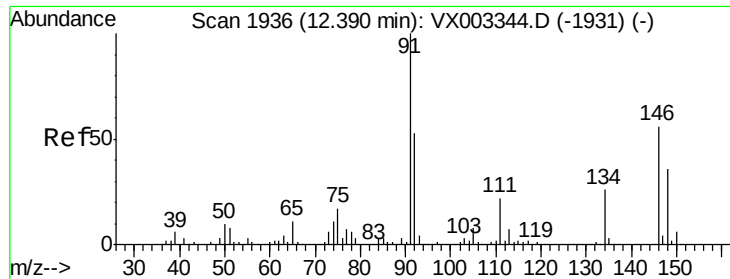
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#84
 1,4-Dichlorobenzene
 Concen: 9.432 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	63.9	32.0	96.0





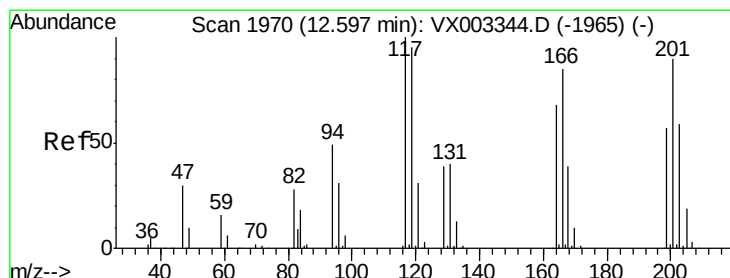
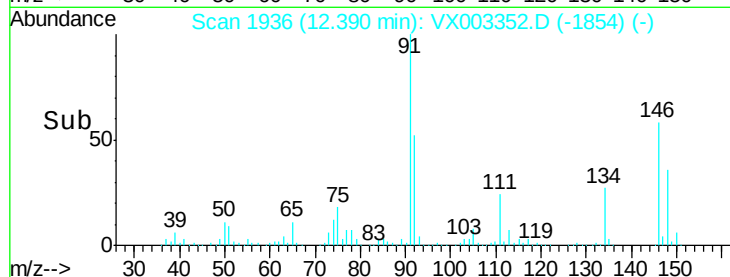
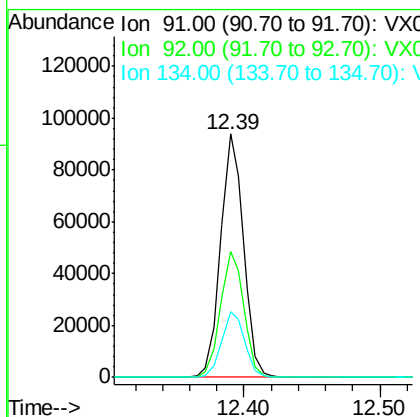
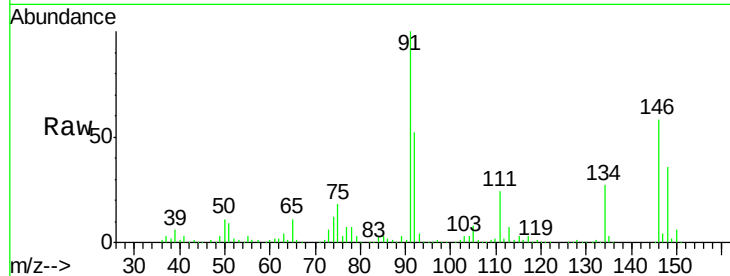
#85
n-Butylbenzene
Concen: 8.632 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
91	100	109090		
92	52.7	0.0	105.2	
134	27.2	0.0	53.2	

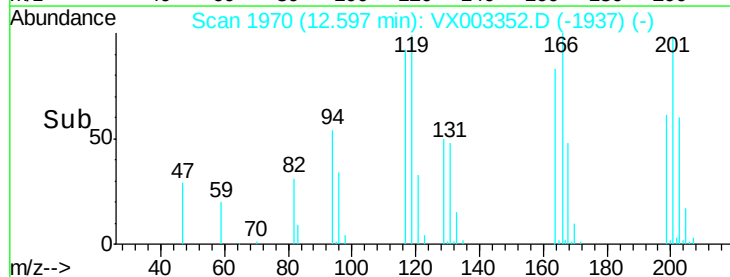
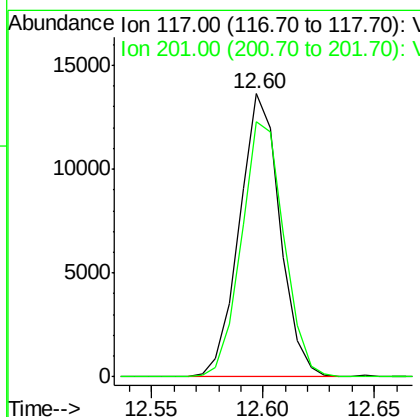
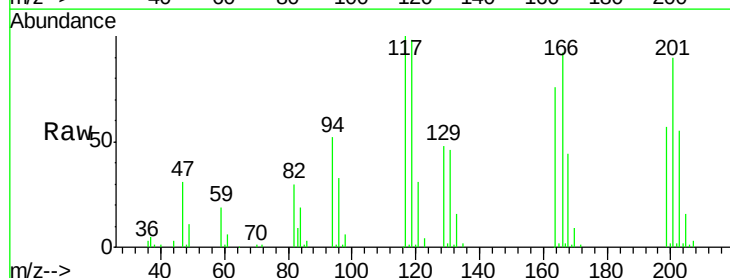
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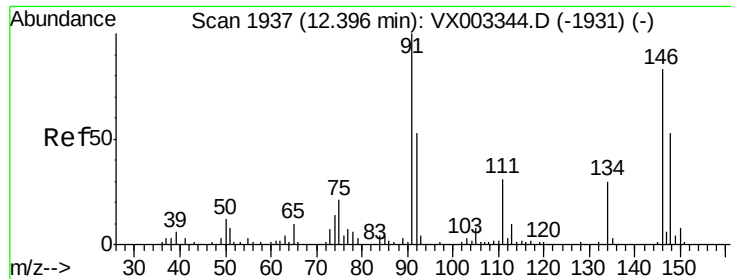
MMDadoda
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#86
Hexachloroethane
Concen: 8.149 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	17267		
201	94.4	47.6	142.8	





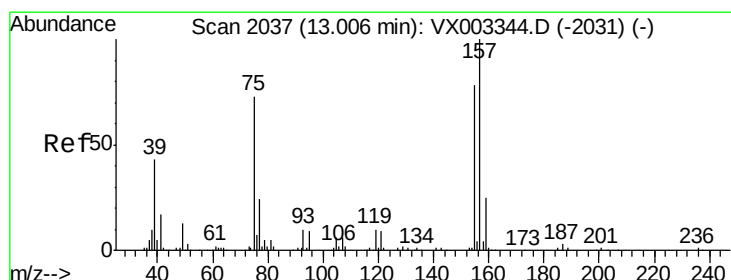
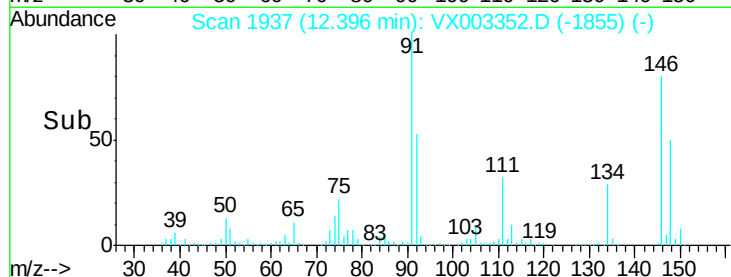
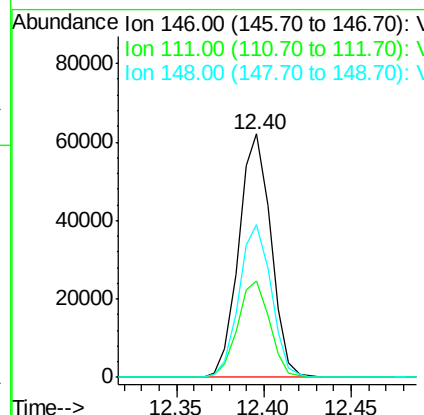
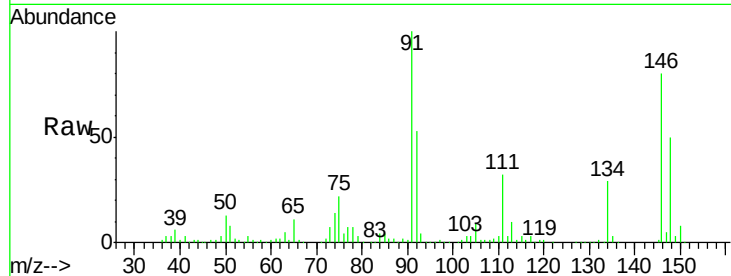
#87
 1,2-Dichlorobenzene
 Concen: 9.622 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	62.9	32.8	98.3

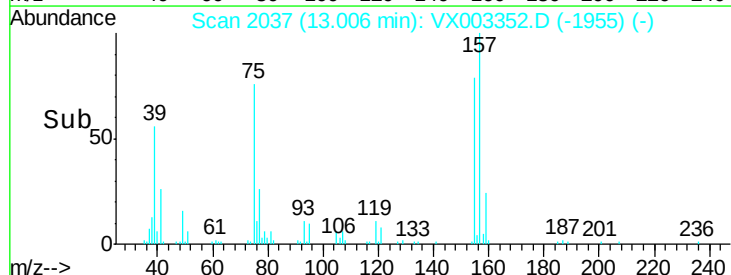
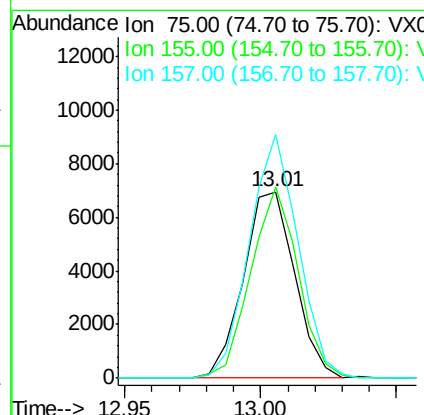
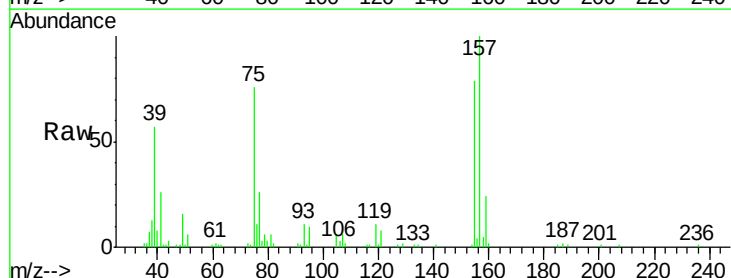
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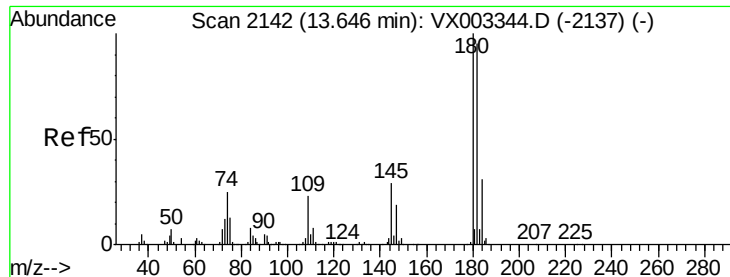
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 8.714 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	73.1	109.7
157	123.1	93.1	139.7





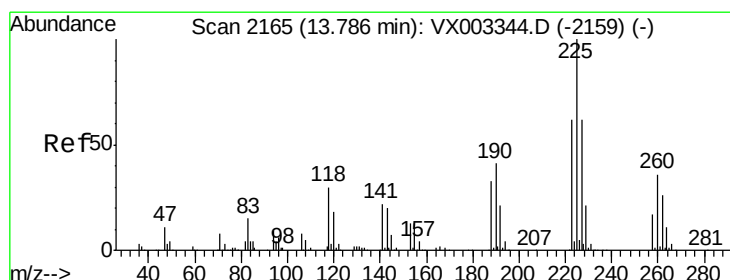
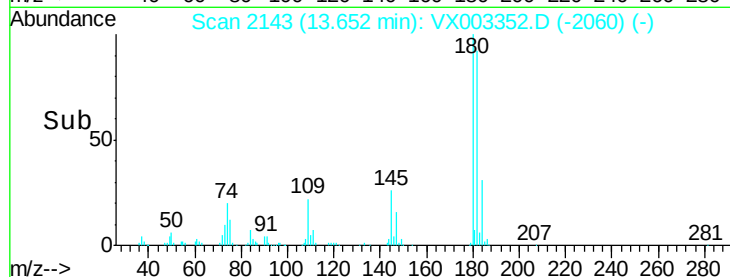
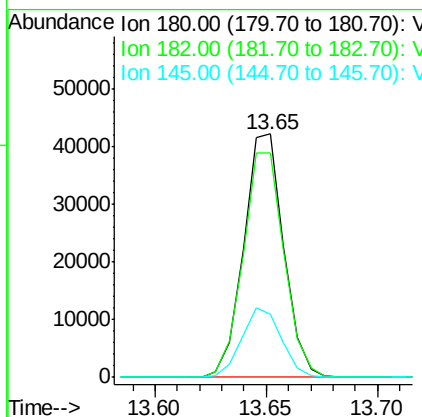
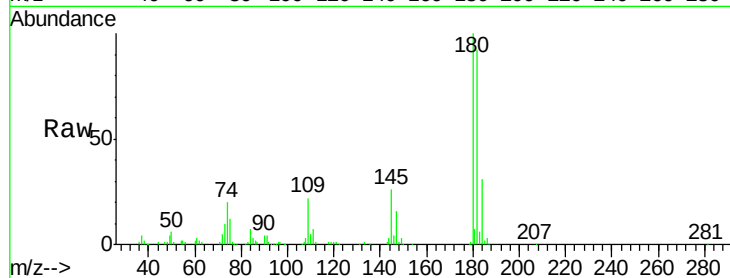
#89
 1,2,4-Trichlorobenzene
 Concen: 8.924 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	28.4	22.9	34.3

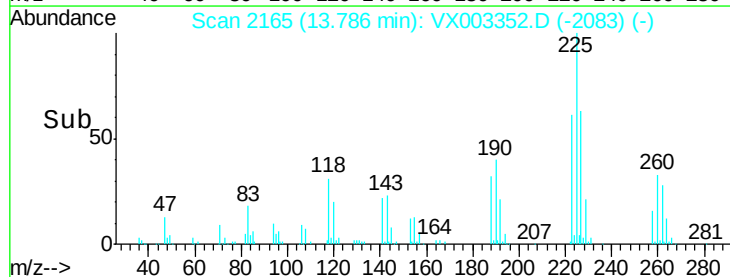
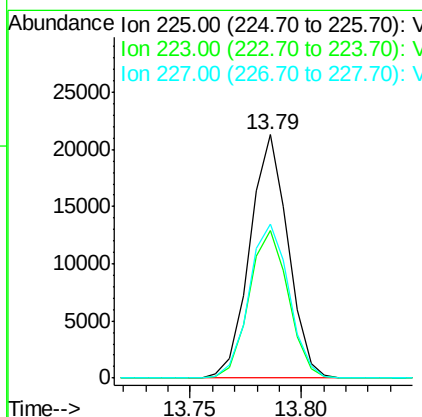
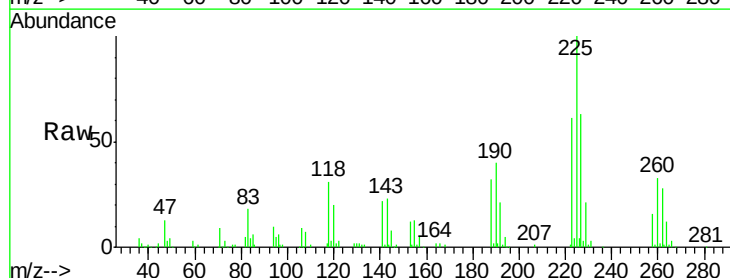
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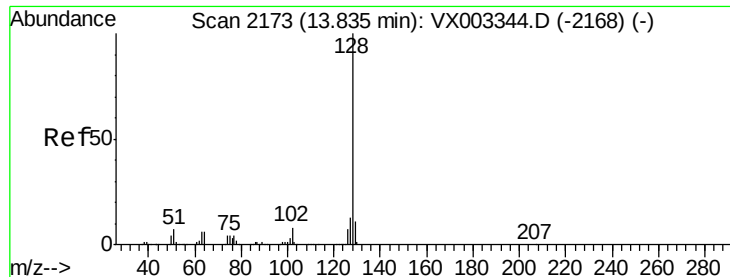
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#90
 Hexachlorobutadiene
 Concen: 8.747 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003352.D
 Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	122.4
227	66.3	0.0	128.0





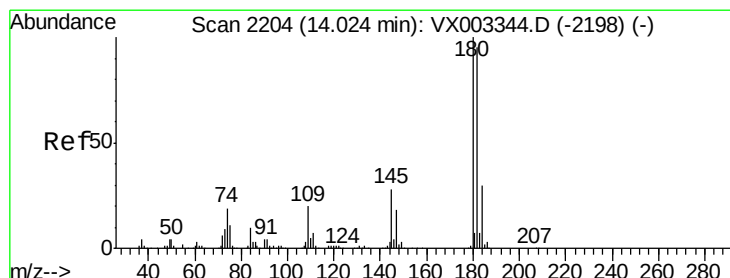
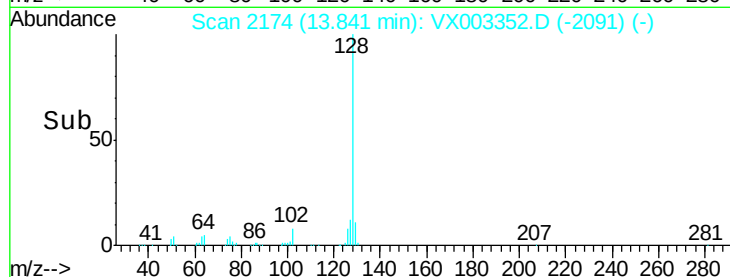
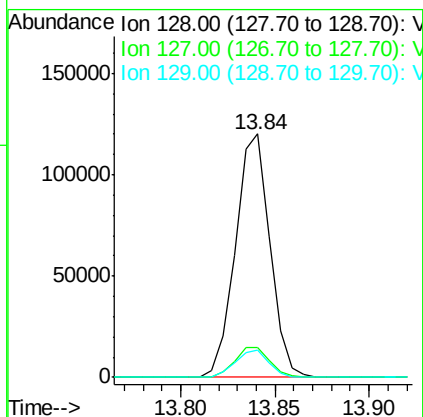
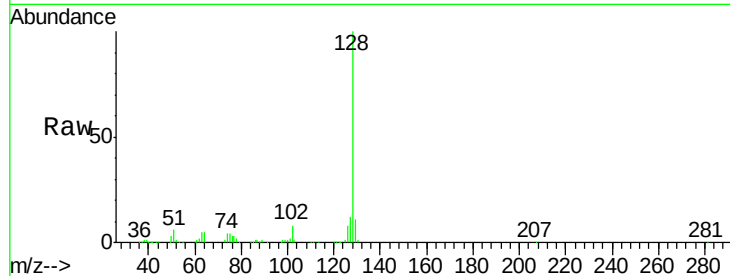
#91
Naphthalene
Concen: 8.879 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 9.131 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003352.D
Acq: 12 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	191.0
145	29.7	0.0	60.6

