

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003350.D
 Acq On : 12 Jul 2018 14:43
 Operator : JC/MD
 Sample : J3762-07 LOD/MDL 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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MMDadoda
 7/13/2018 11:35:52 AM

Quant Time: Jul 12 17:12:45 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	61868	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.86	114	316084	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	281995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	127166	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	11.14	95	129729	28.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.43%
63) Toluene-d8	8.72	98	385710	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10174	2.166 ug/l	90
3) Chloromethane	1.32	50	12794	2.743 ug/l	94
4) Vinyl Chloride	1.40	62	12845	2.526 ug/l	97
5) Bromomethane	1.64	94	9528	4.519 ug/l	88
6) Chloroethane	1.73	64	8336	2.750 ug/l	98
7) Trichlorofluoromethane	1.93	101	18247	2.693 ug/l	99
8) Diethyl Ether	2.19	74	7433	2.683 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11462	2.764 ug/l	96
10) 1,1-Dichloroethene	2.37	96	10516	2.733 ug/l	86
11) Methyl Iodide	2.51	142	6261	9.695 ug/l	91
12) Methyl Acetate	2.78	43	13189	2.111 ug/l	95
13) Acrolein	2.29	56	8516	17.542 ug/l	97
14) Acrylonitrile	3.15	53	29753	12.654 ug/l	98
15) Acetone	2.45	58	8137	13.201 ug/l	72
16) Carbon Disulfide	2.57	76	30811	2.803 ug/l	99
17) Allyl chloride	2.73	41	17915	2.447 ug/l	95
18) Methylene Chloride	2.85	84	13329	2.951 ug/l	89
19) trans-1,2-Dichloroethene	3.17	96	10795	2.601 ug/l	96
20) Diisopropyl ether	3.87	45	36262	2.742 ug/l	98
21) 1,1-Dichloroethane	3.70	63	21076	2.717 ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	11159	2.529 ug/l #	57
23) tert-Butyl Alcohol	3.07	59	12216	12.513 ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	32821	2.554 ug/l	92
25) Chloroform	5.21	83	18343	2.626 ug/l	99
26) Cyclohexane	5.57	56	15706	2.594 ug/l #	97
29) 1,1-Dichloropropene	5.79	75	13210	2.651 ug/l	96
30) 2-Butanone	4.70	43	33876	12.165 ug/l	94
31) 2,2-Dichloropropane	4.59	77	13231	2.458 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	14979	2.655 ug/l	99
33) Carbon Tetrachloride	5.78	117	12399	2.504 ug/l	94
34) Benzene	6.15	78	39039	2.660 ug/l	95
35) Methacrylonitrile	5.07	41	7619	2.586 ug/l	93
36) 1,2-Dichloroethane	6.20	62	13715	2.687 ug/l #	95
37) Trichloroethene	7.21	130	10737	2.646 ug/l	94
38) Methylcyclohexane	7.46	83	13347	2.369 ug/l	99
39) 1,2-Dichloropropane	7.52	63	9569	2.523 ug/l	92
40) Dibromomethane	7.67	93	6465	2.596 ug/l	99

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

41) Bromodichloromethane	7.90	83	10940	2.351	ug/l	90
42) Vinyl Acetate	3.82	43	146823	13.724	ug/l	97
43) Ethyl Acetate	4.86	43	13983m	2.644	ug/l	
44) Isopropyl Acetate	6.46	43	19247	2.374	ug/l	98
45) 1,4-Dioxane	7.76	88	4293	49.610	ug/l #	85
46) Methyl methacrylate	7.78	41	9844	2.348	ug/l	83
47) n-amyl Acetate	10.90	43	13385	1.917	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	12634	2.231	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	11220	2.188	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	9407	2.505	ug/l	97
51) Ethyl methacrylate	9.18	69	12162	2.222	ug/l	85
52) 1,3-Dichloropropane	9.37	76	15600	2.529	ug/l	98
53) Dibromochloromethane	9.59	129	8033	2.140	ug/l	98
54) 1,2-Dibromoethane	9.67	107	9549	2.452	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	30154	11.677	ug/l	99
56) Bromoform	10.86	173	5796	2.020	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	58642	11.674	ug/l	93
59) 2-Hexanone	9.50	43	42190	10.966	ug/l	95
61) Tetrachloroethene	9.34	164	11844	2.744	ug/l	98
62) Toluene	8.79	91	41193	2.677	ug/l	100
64) Chlorobenzene	10.14	112	26417	2.593	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	8131	2.250	ug/l	95
66) Ethyl Benzene	10.26	91	42275	2.487	ug/l	99
67) m/p-Xylenes	10.36	106	30929	4.675	ug/l	100
68) o-Xylene	10.70	106	14942	2.348	ug/l	95
69) Styrene	10.71	104	23862	2.255	ug/l	97
70) Isopropylbenzene	11.02	105	39644	2.349	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	12704	2.400	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	14042	2.268	ug/l	99
73) Bromobenzene	11.26	156	11534	2.459	ug/l	98
74) n-propylbenzene	11.36	91	46026	2.341	ug/l	100
75) 2-Chlorotoluene	11.42	91	29721	2.528	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	31780	2.225	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	2612	1.767	ug/l	70
78) 4-Chlorotoluene	11.51	91	32599	2.373	ug/l	98
79) tert-butylbenzene	12.07	119	32475	2.147	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	31557	2.175	ug/l	97
81) sec-Butylbenzene	11.95	105	37232	2.204	ug/l	99
82) p-Isopropyltoluene	12.07	119	32475	2.147	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	21143	2.432	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	21059	2.400	ug/l	99
85) n-Butylbenzene	12.39	91	26915	2.027	ug/l	99
86) Hexachloroethane	12.60	117	4476	2.010	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	20876	2.403	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	2122	1.930	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	14291	2.291	ug/l	95
90) Hexachlorobutadiene	13.79	225	6574	2.151	ug/l	98
91) Naphthalene	13.83	128	35062	1.949	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	13939	2.204	ug/l	98

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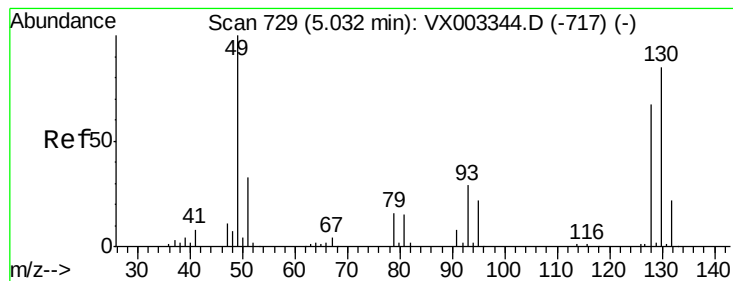
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

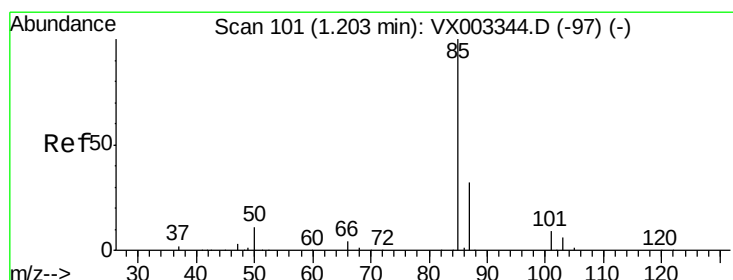
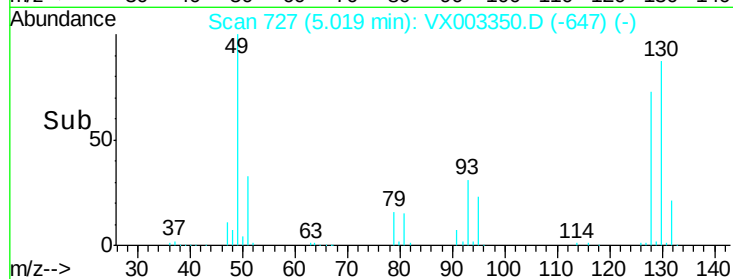
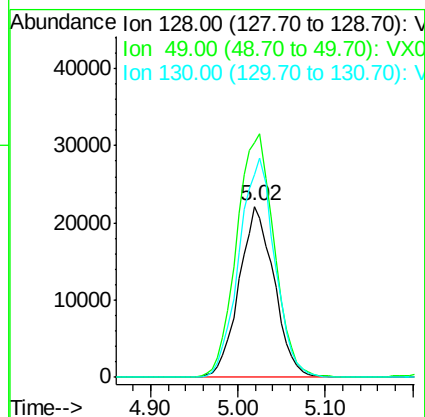
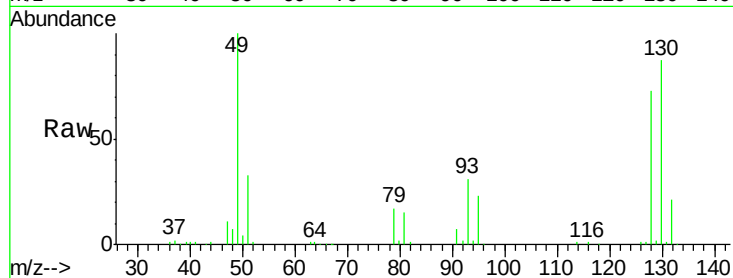
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	128	Resp:	61868
Ion	Ratio	Lower	Upper
128	100		
49	151.8	0.0	423.0
130	131.2	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 2.166 ug/l

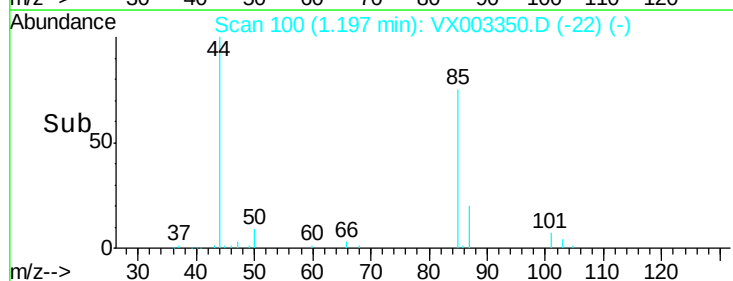
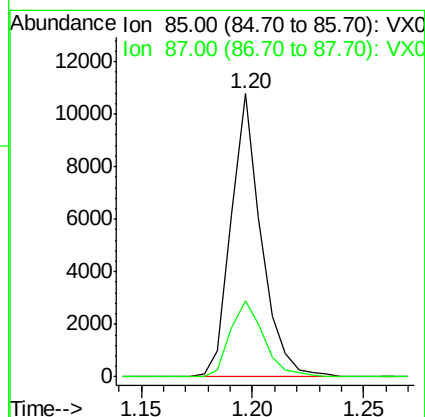
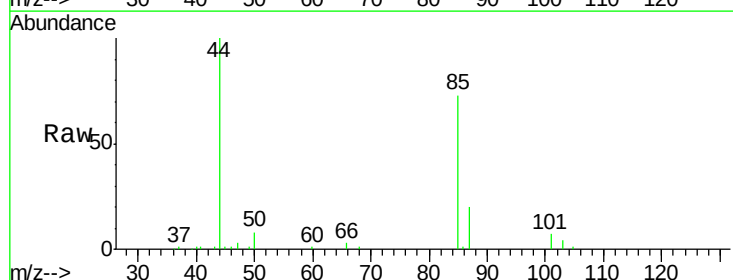
RT: 1.20 min Scan# 100

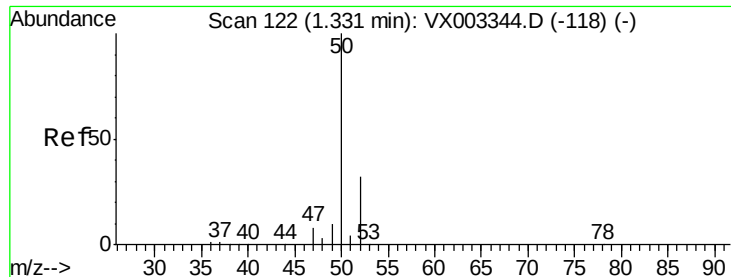
Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	85	Resp:	10174
Ion	Ratio	Lower	Upper
85	100		
87	26.8	16.2	48.5





#3

Chloromethane

Concen: 2.743 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 12794

Ion Ratio Lower Upper

50 100

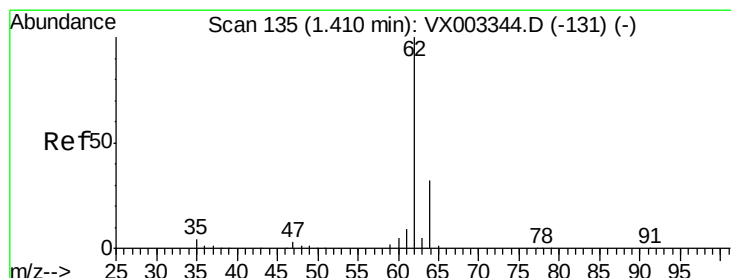
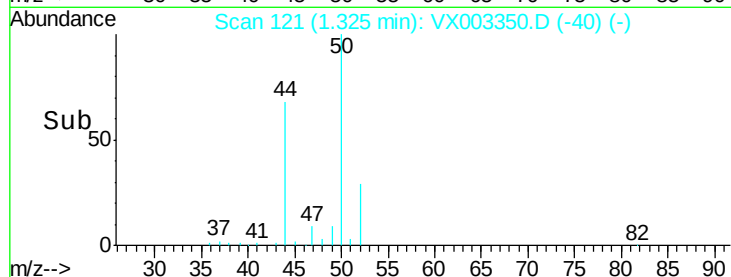
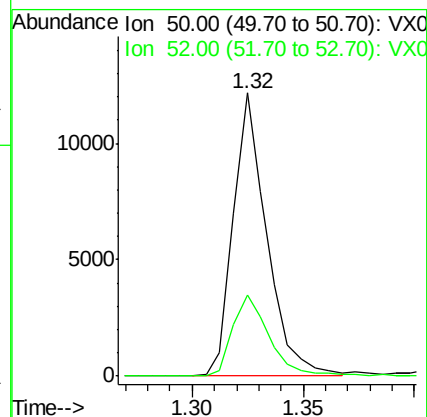
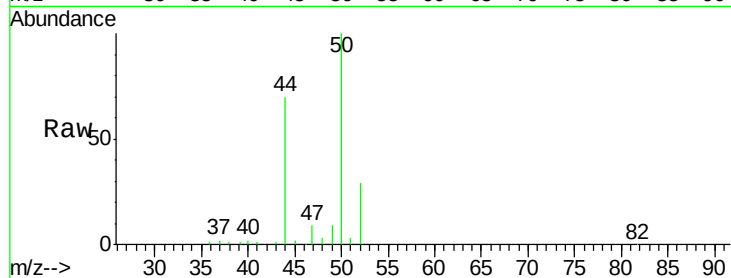
52 28.6 25.6 38.4

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#4

Vinyl Chloride

Concen: 2.526 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003350.D

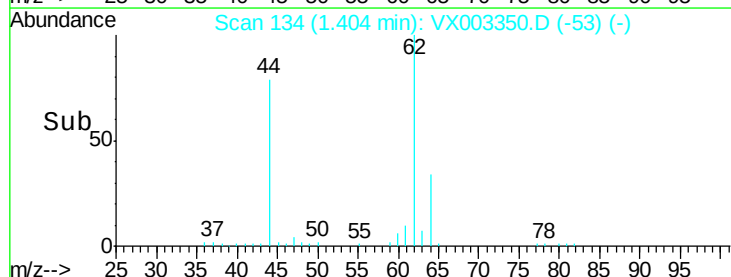
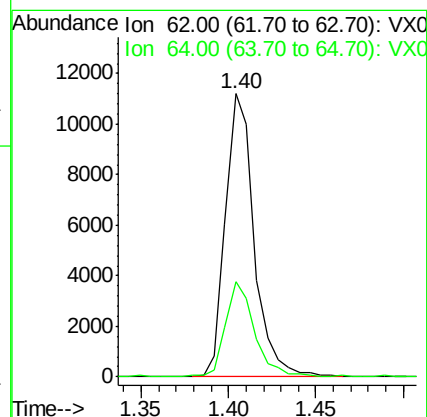
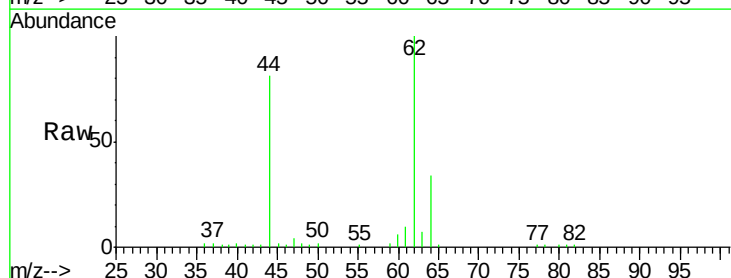
Acq: 12 Jul 2018 14:43

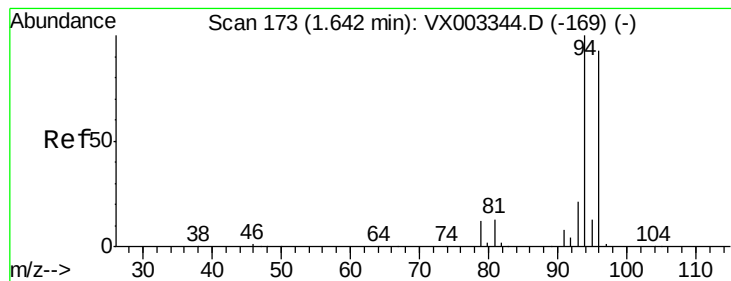
Tgt Ion: 62 Resp: 12845

Ion Ratio Lower Upper

62 100

64 33.2 25.3 37.9





#5

Bromomethane

Concen: 4.519 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 9528

Ion Ratio Lower Upper

94 100

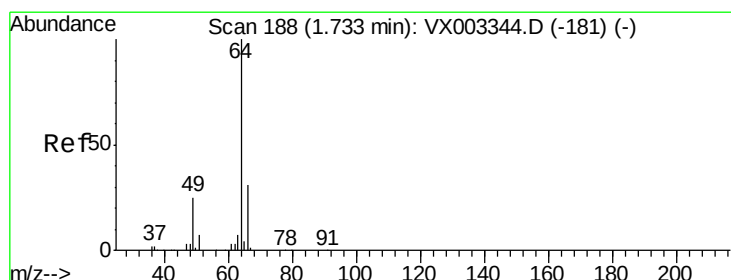
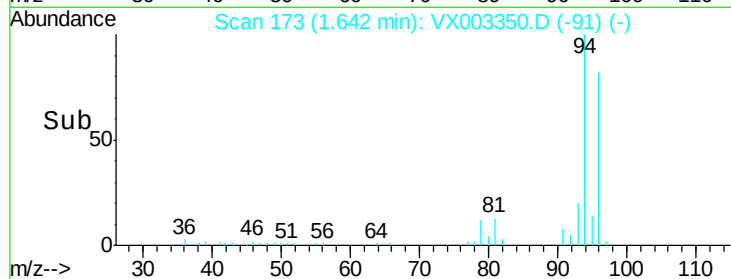
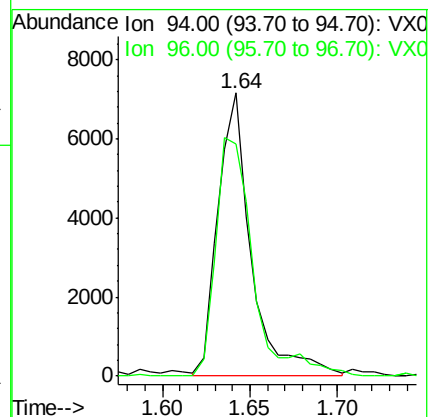
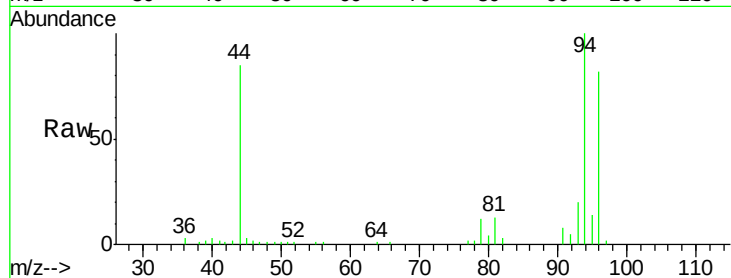
96 83.0 75.7 113.5

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#6

Chloroethane

Concen: 2.750 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003350.D

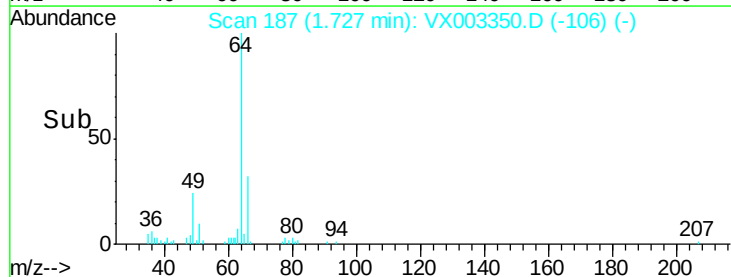
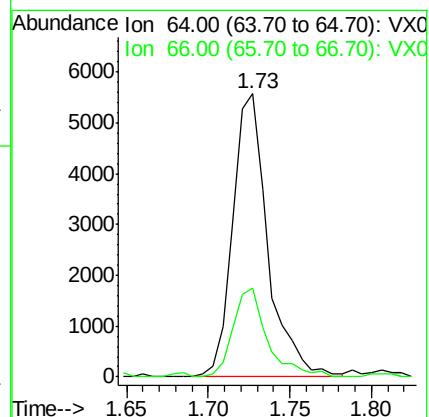
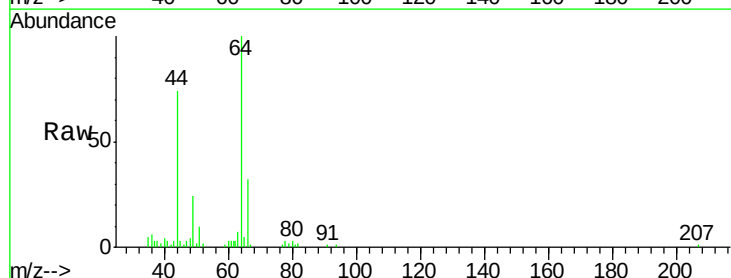
Acq: 12 Jul 2018 14:43

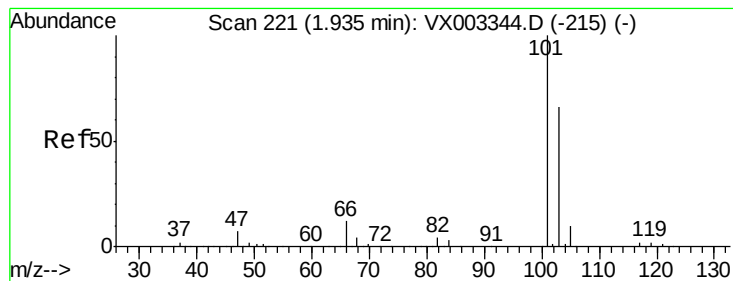
Tgt Ion: 64 Resp: 8336

Ion Ratio Lower Upper

64 100

66 31.6 24.3 36.5





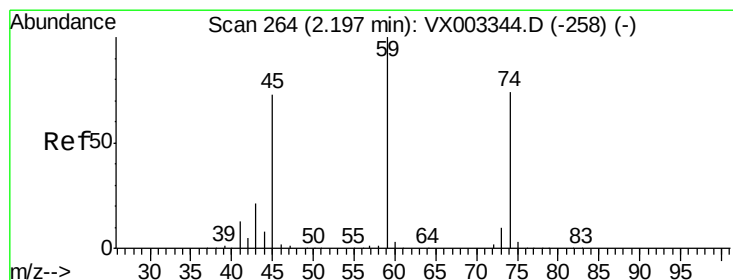
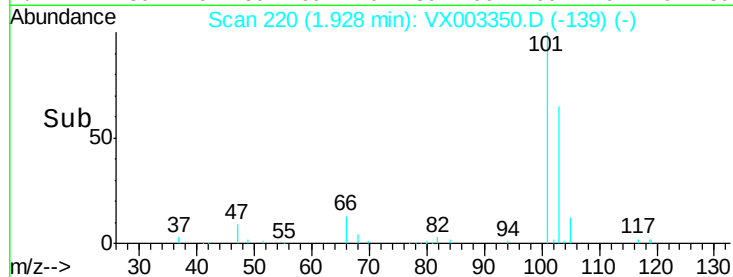
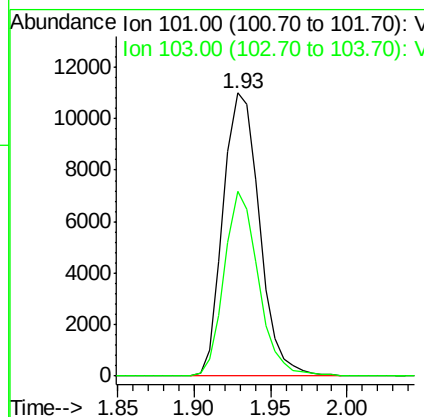
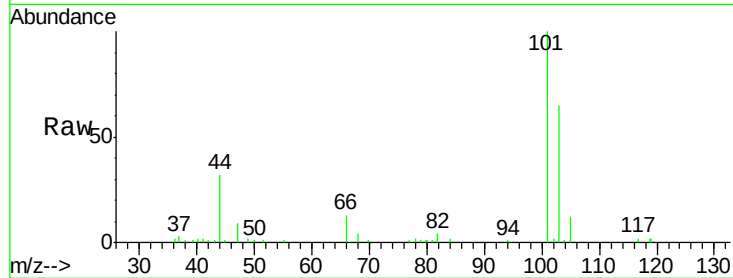
#7
 Trichlorofluoromethane
 Concen: 2.693 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:101 Resp: 18247
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.5 77.3

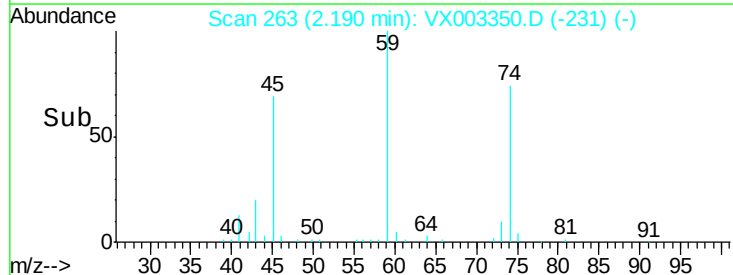
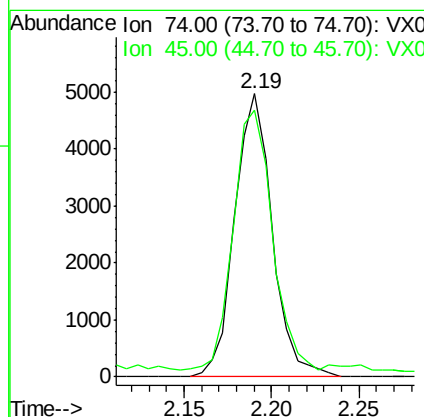
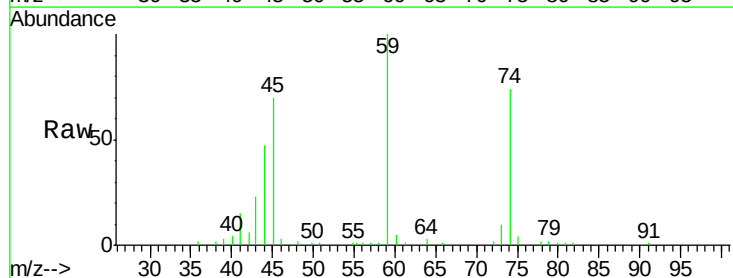
Manual Integrations
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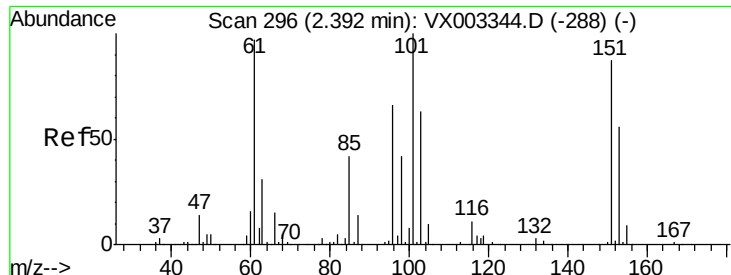
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#8
 Diethyl Ether
 Concen: 2.683 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion: 74 Resp: 7433
 Ion Ratio Lower Upper
 74 100
 45 96.5 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.764 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

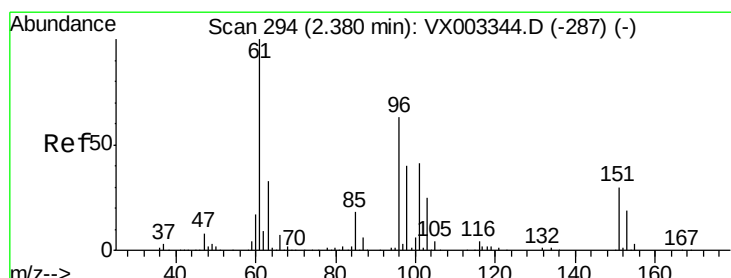
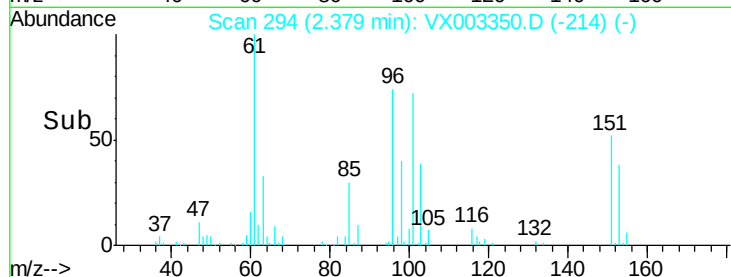
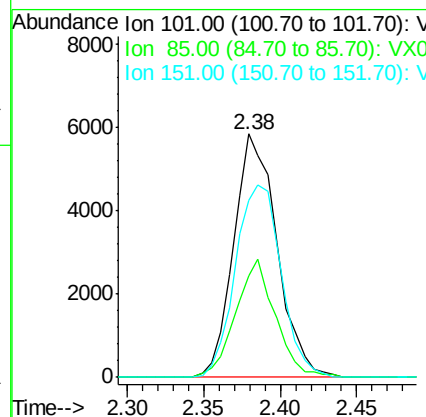
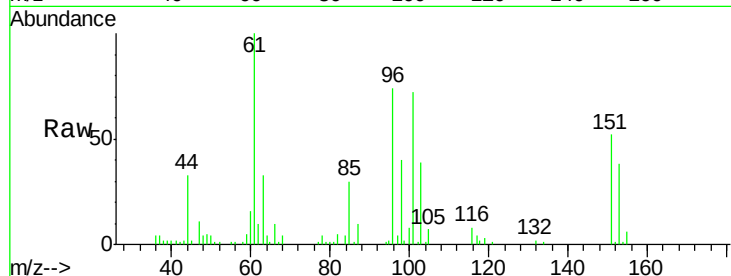
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	101	Resp:	11462
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	87.0
151	83.6	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.733 ug/l

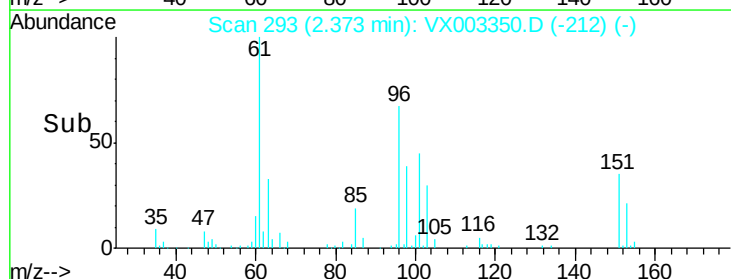
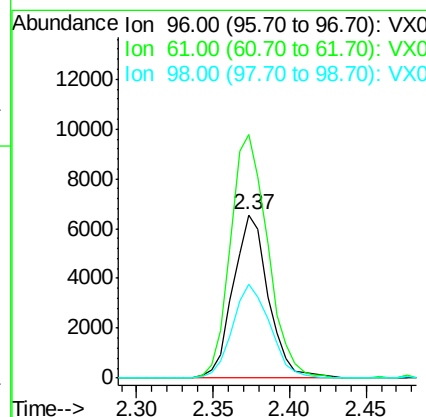
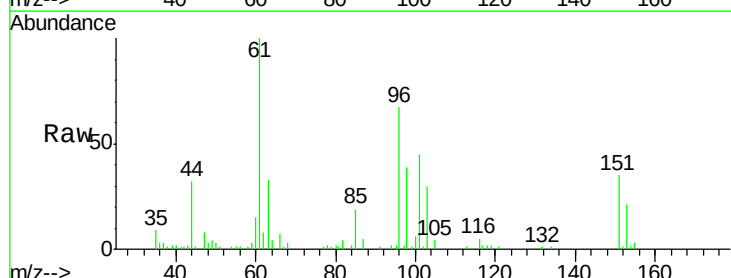
RT: 2.37 min Scan# 293

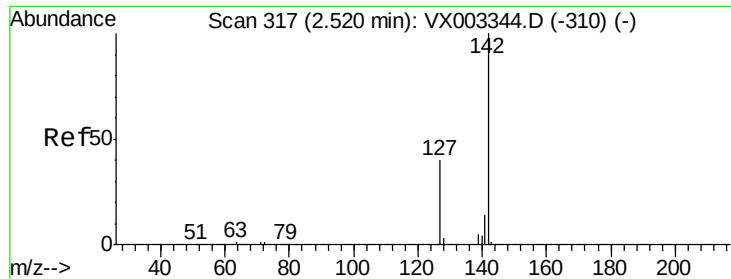
Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	96	Resp:	10516
Ion Ratio	Lower	Upper	
96	100		
61	149.0	137.5	206.3
98	57.5	51.4	77.2





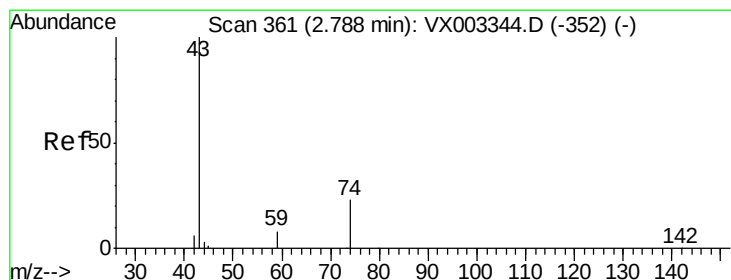
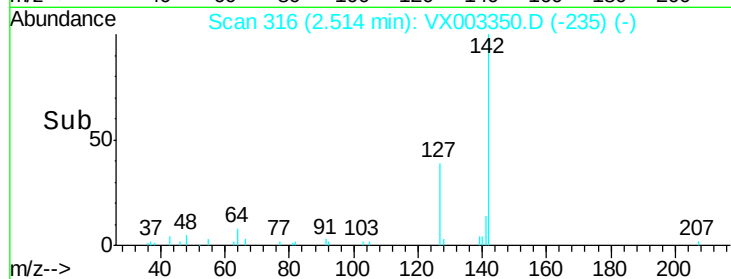
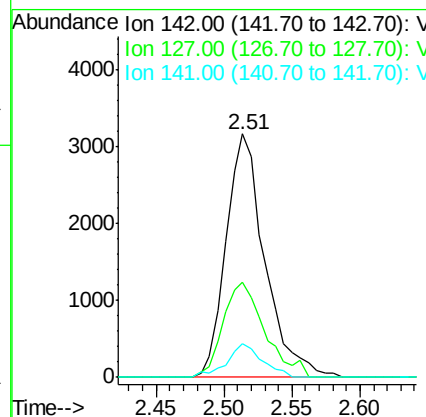
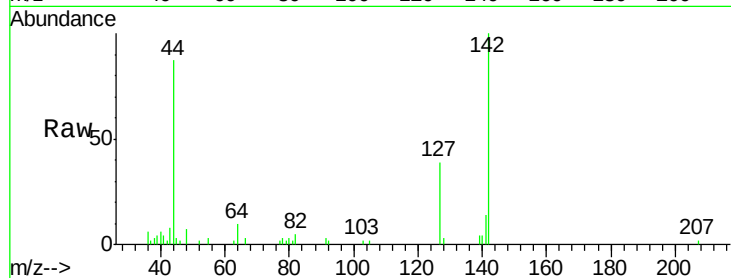
#11
Methvl Iodide
Concen: 9.695 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.2	23.2	69.6
141	13.8	7.4	22.2

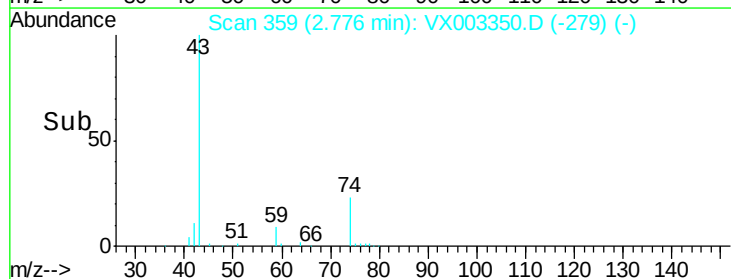
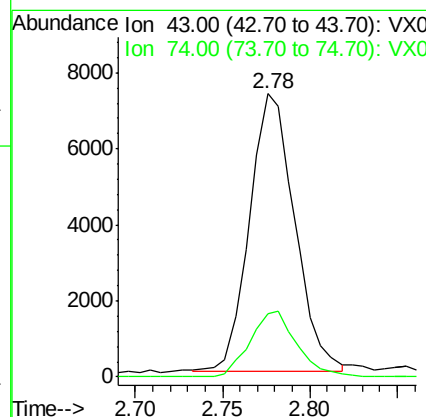
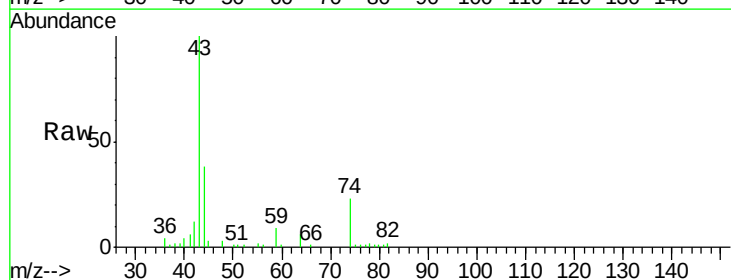
Manual Integrations
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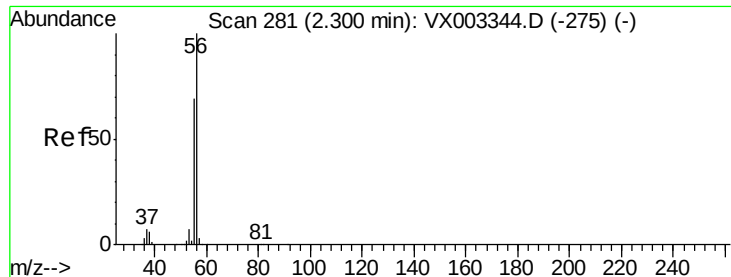
MMDadoda
7/13/2018 11:35:52 AM



#12
Methyl Acetate
Concen: 2.111 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	16.4	24.6





#13

Acrolein

Concen: 17.542 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 8516

Ion Ratio Lower Upper

56 100

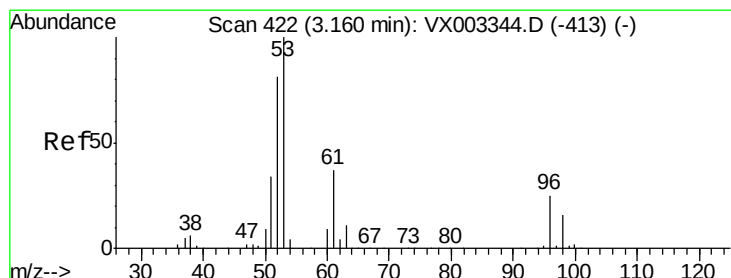
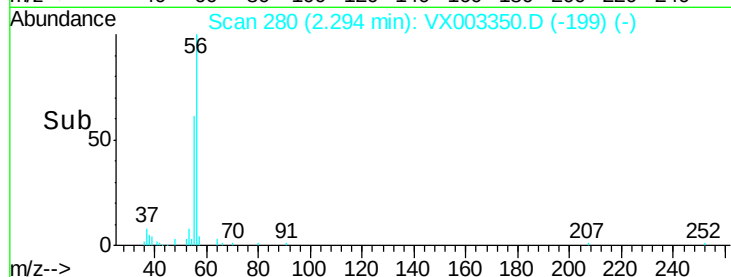
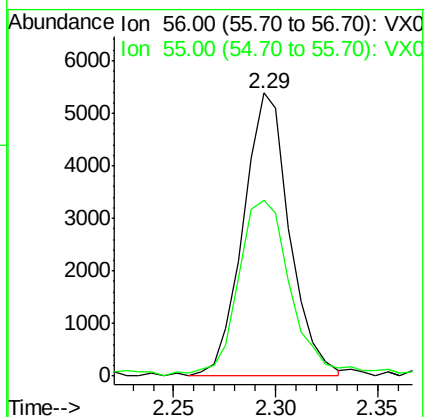
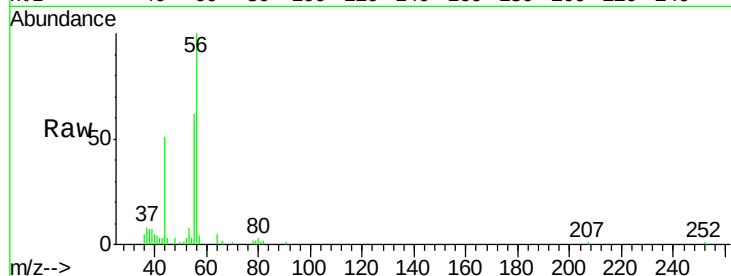
55 69.4 57.3 85.9

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#14

Acrylonitrile

Concen: 12.654 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

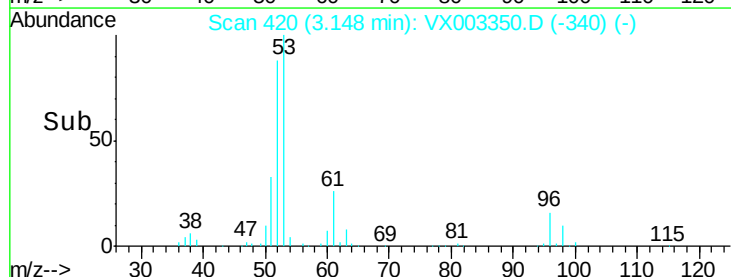
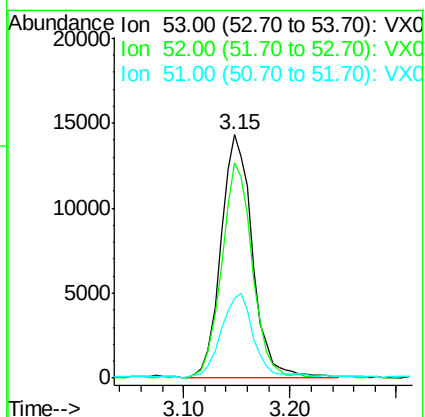
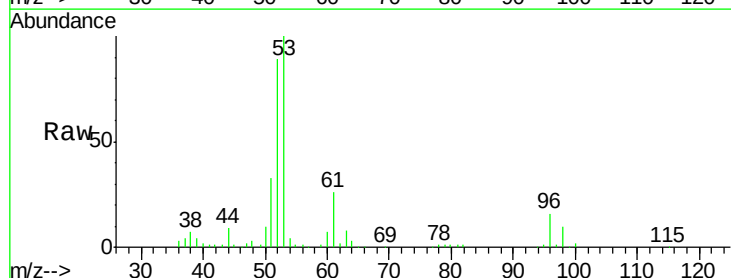
Tgt Ion: 53 Resp: 29753

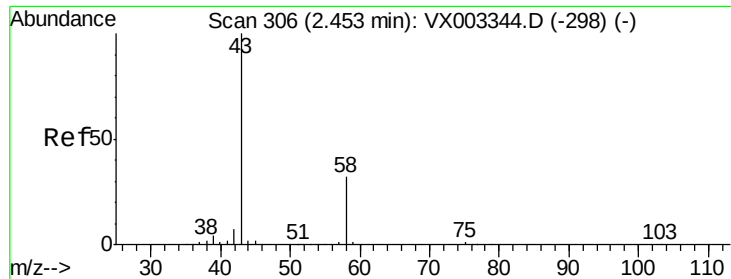
Ion Ratio Lower Upper

53 100

52 85.0 41.5 124.6

51 34.9 17.9 53.8





#15

Acetone

Concen: 13.201 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 58 Resp: 8137

Ion Ratio Lower Upper

58 100

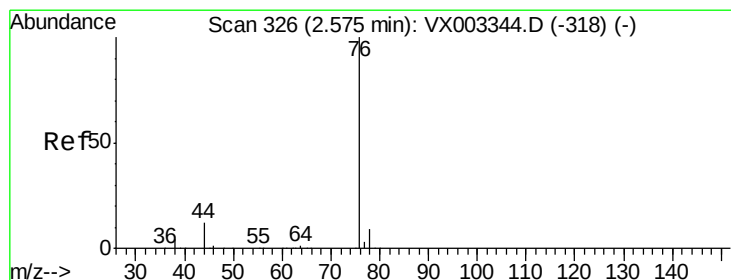
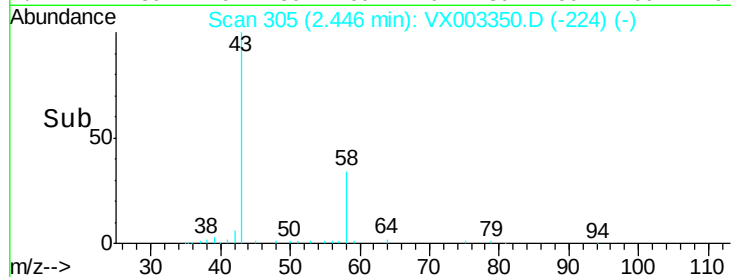
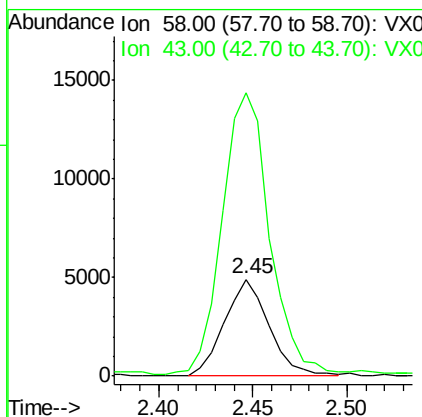
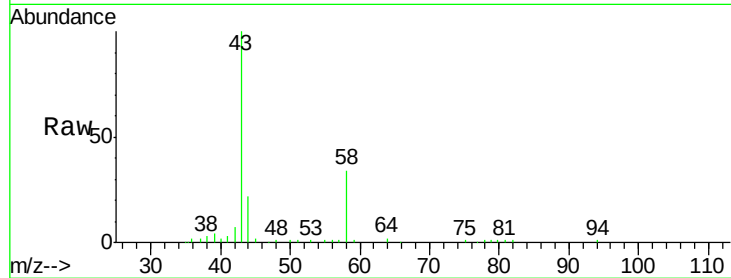
43 288.3 278.8 418.2

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#16

Carbon Disulfide

Concen: 2.803 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003350.D

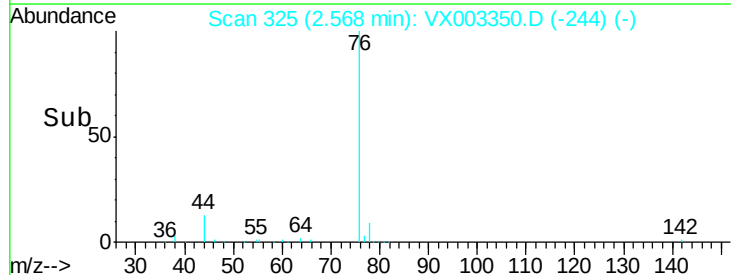
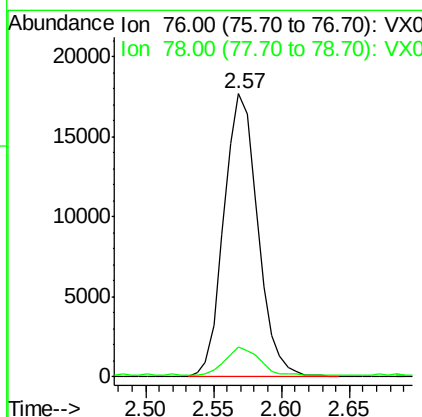
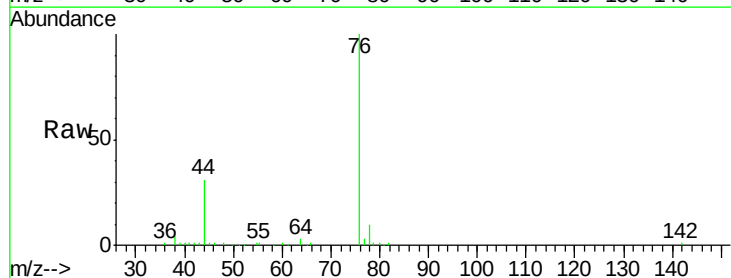
Acq: 12 Jul 2018 14:43

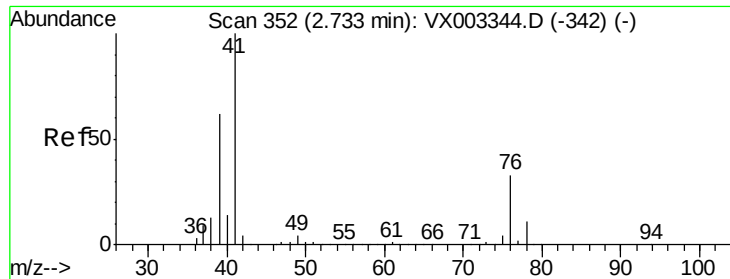
Tgt Ion: 76 Resp: 30811

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0





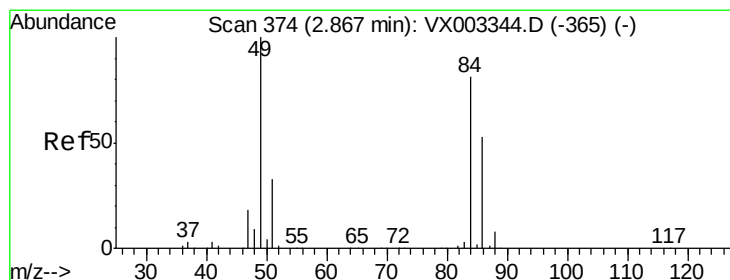
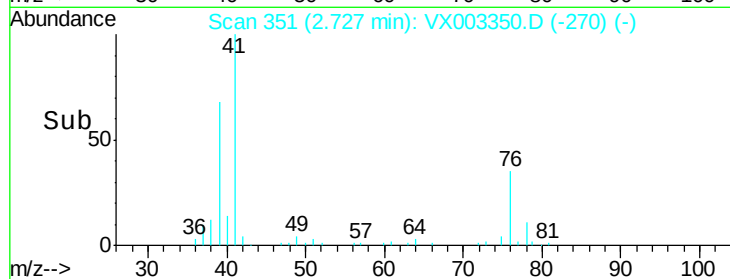
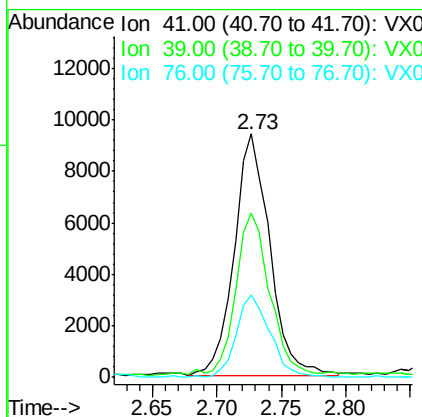
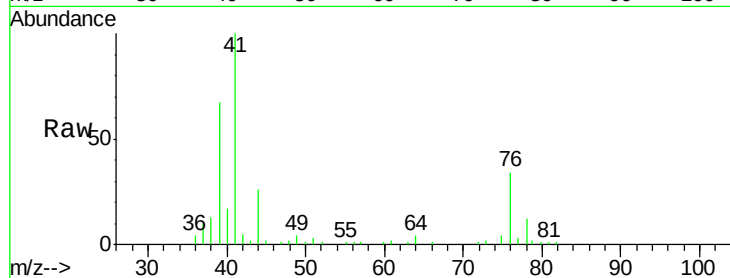
#17
Allvl chloride
Concen: 2.447 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.5	34.6	103.8
76	34.2	15.0	45.1

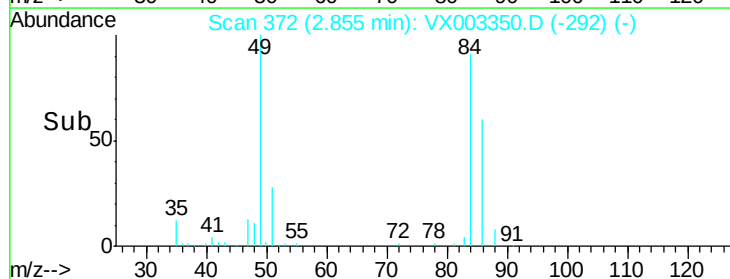
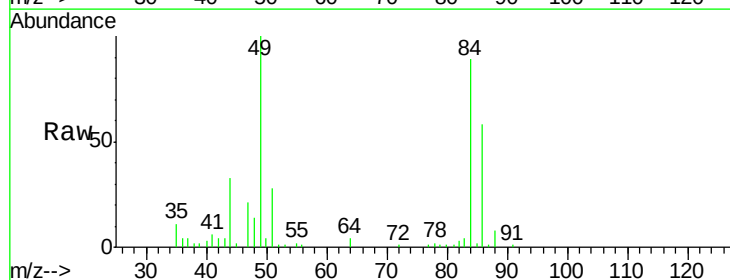
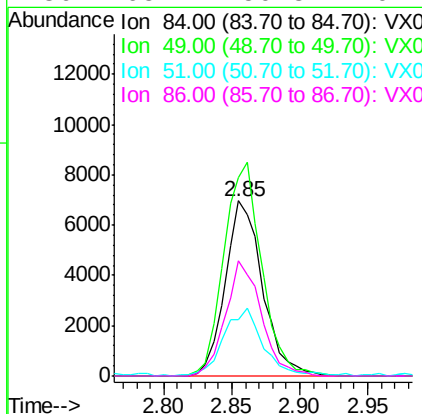
Manual Integrations
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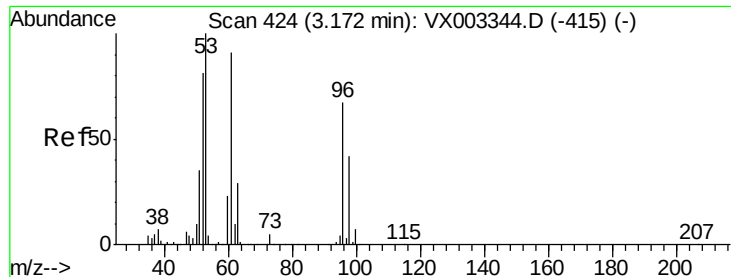
MMDadoda
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#18
Methylene Chloride
Concen: 2.951 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	104.7	157.1
51	31.2	31.0	46.4
86	65.4	50.8	76.2





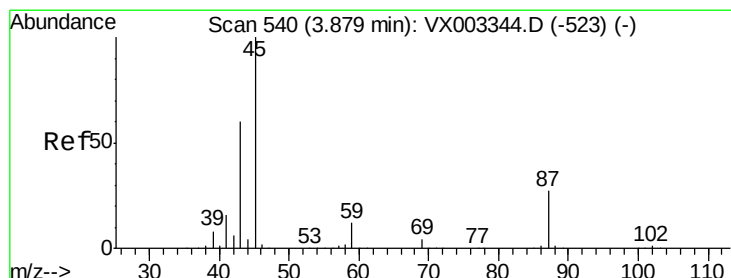
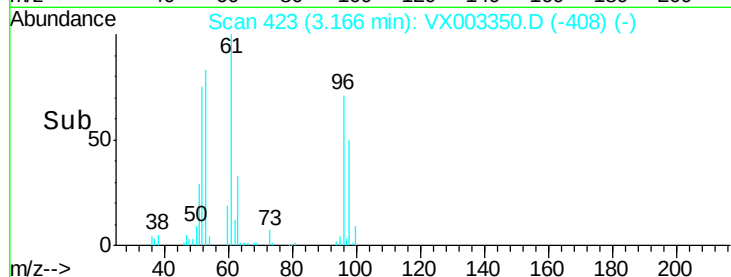
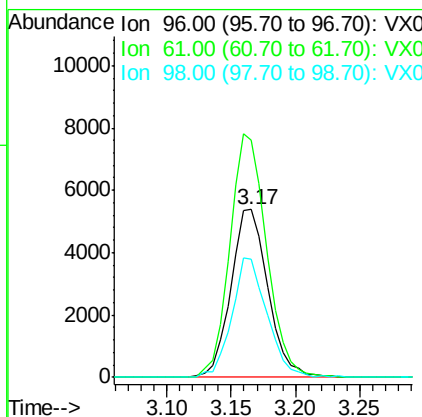
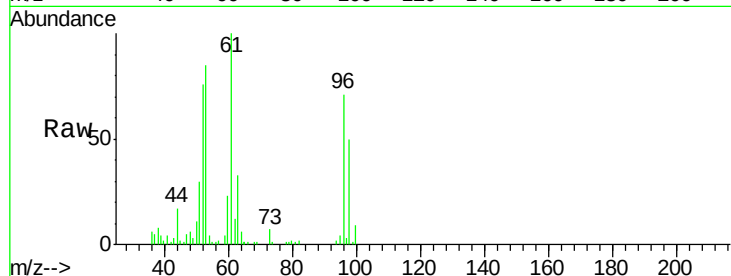
#19
trans-1,2-Dichloroethene
Concen: 2.601 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	114.6	172.0
98	70.7	51.3	76.9

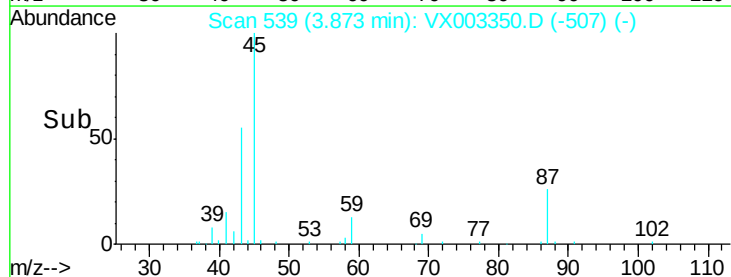
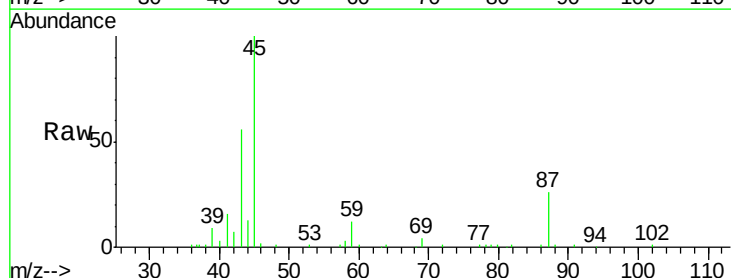
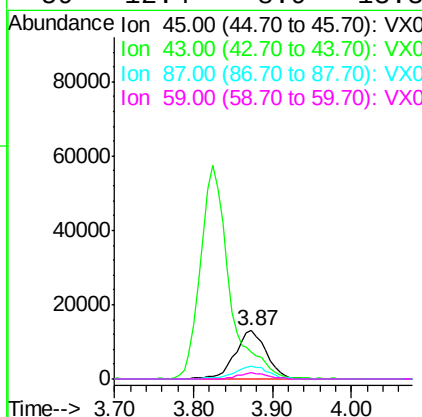
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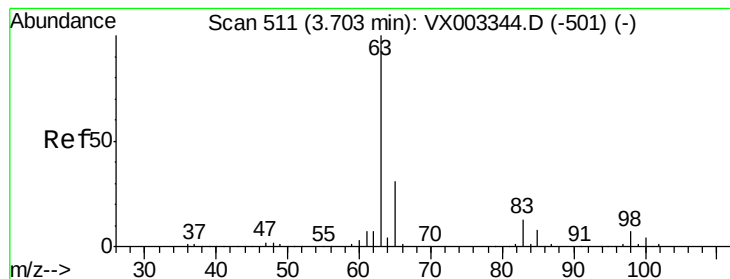
MMDadoda
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#20
Diisopropyl ether
Concen: 2.742 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.6	68.4
87	25.9	20.7	31.1
59	12.4	8.9	13.3





#21

1,1-Dichloroethane

Concen: 2.717 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

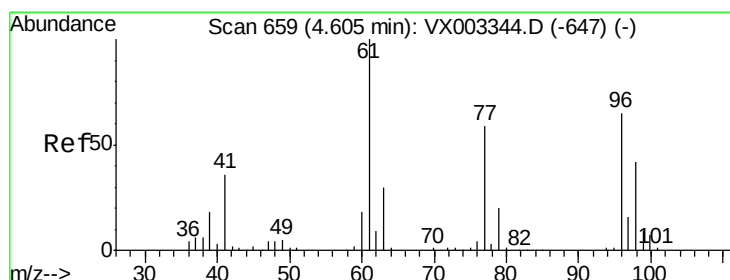
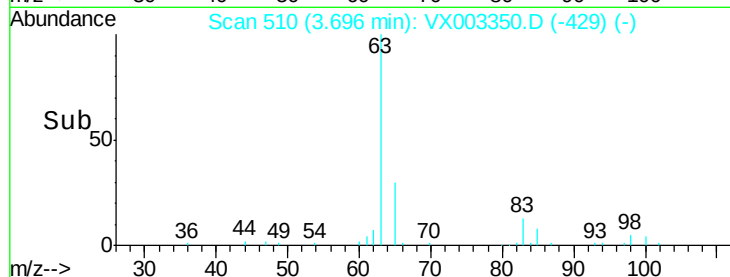
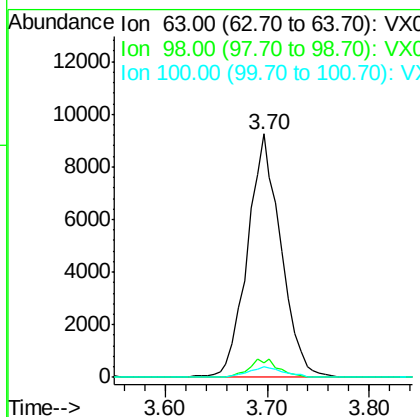
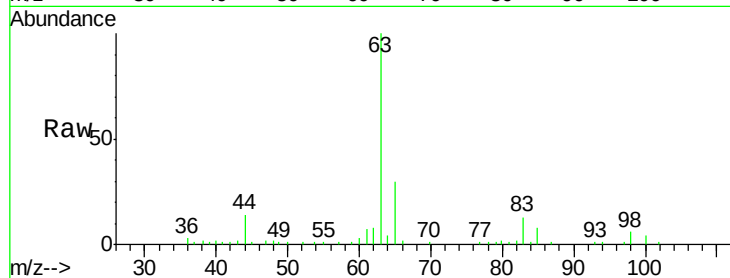
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	63	Resp:	21076
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.1	9.3
100	4.1	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 2.529 ug/l

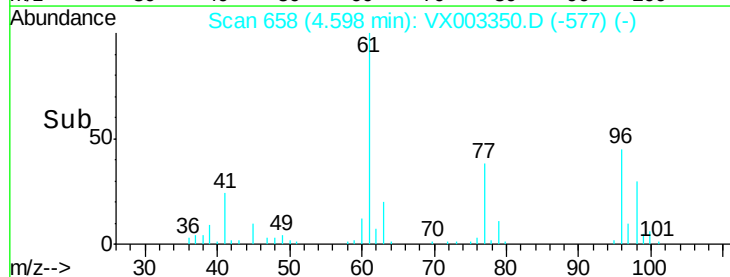
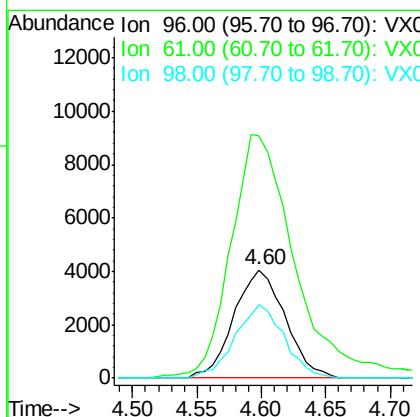
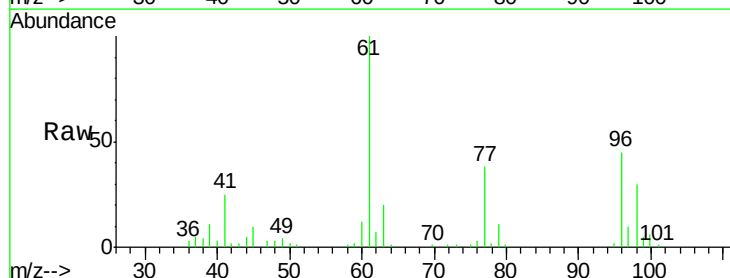
RT: 4.60 min Scan# 658

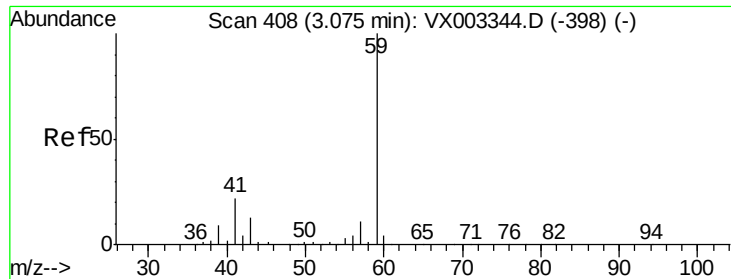
Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	96	Resp:	11159
Ion	Ratio	Lower	Upper
96	100		
61	285.9	160.2	240.2#
98	65.1	54.1	81.1





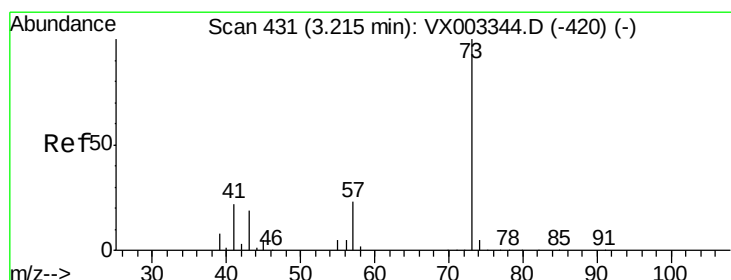
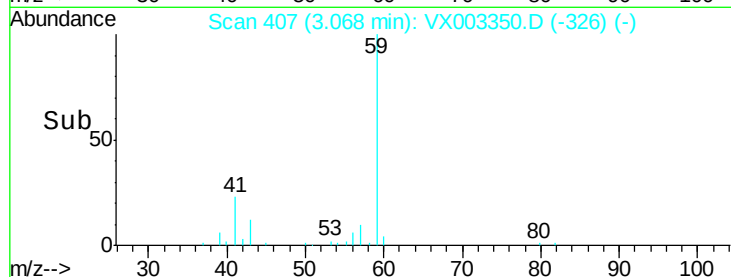
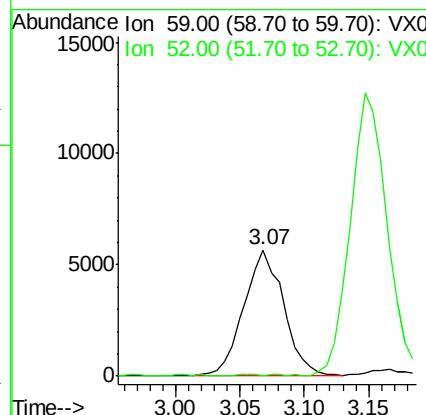
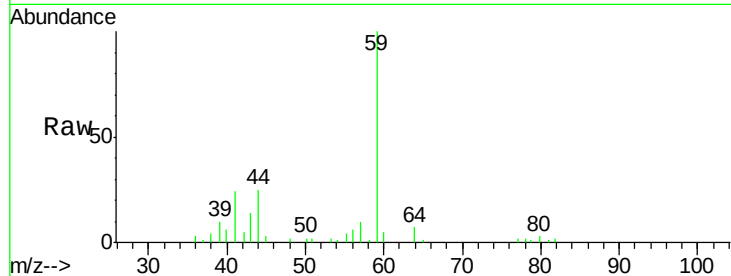
#23
 tert-Butyl Alcohol
 Concen: 12.513 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.2	0.2#

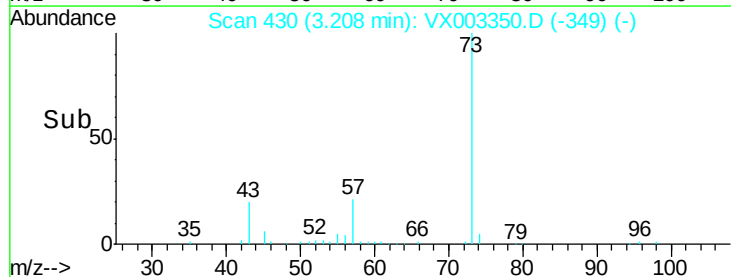
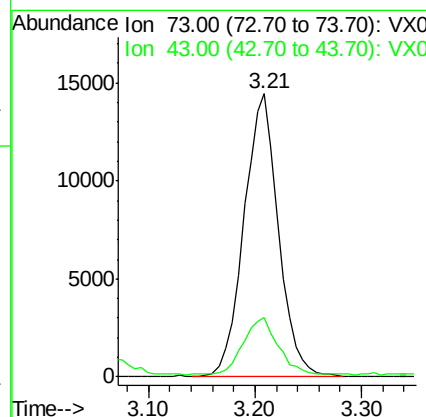
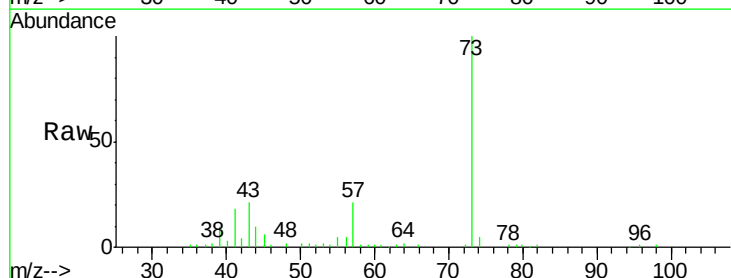
Manual Integrations
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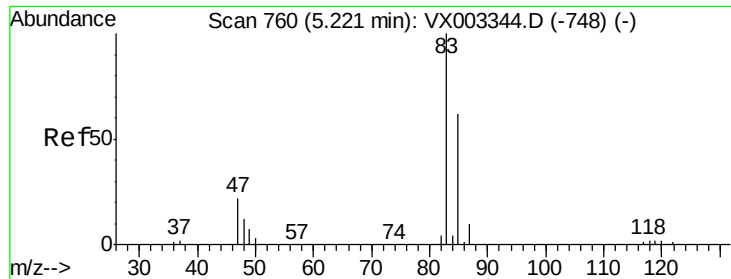
MMDadoda
 7/13/2018 11:35:52 AM



#24
 Methyl tert-Butyl Ether
 Concen: 2.554 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	19.0	28.4





#25

Chloroform

Concen: 2.626 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 83 Resp: 18343

Ion Ratio Lower Upper

83 100

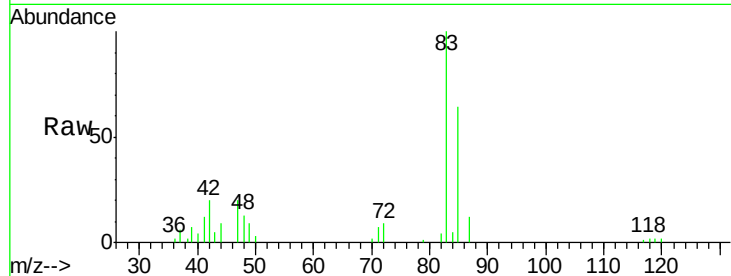
85 64.4 51.9 77.9

Manual Integrations

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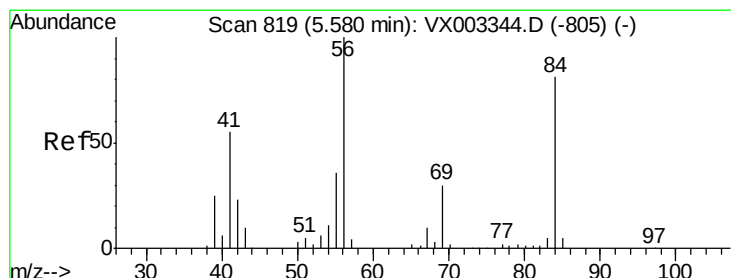
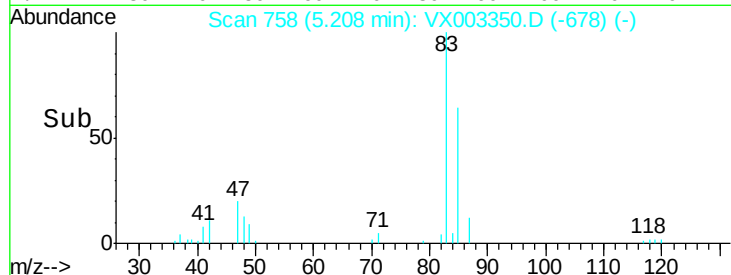
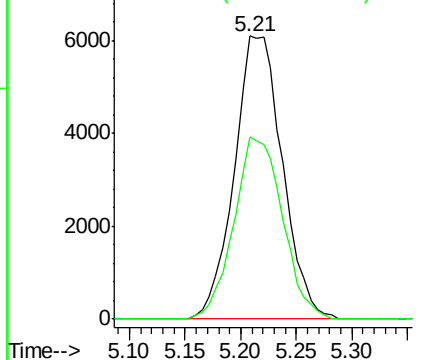
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 2.594 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

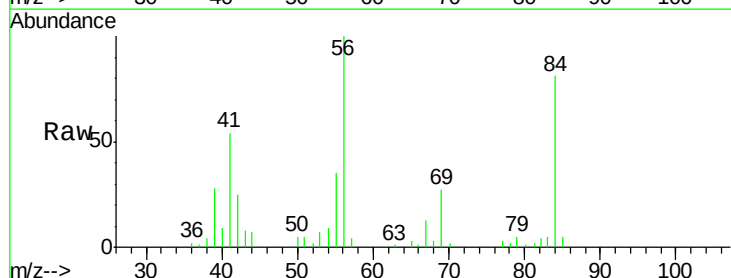
Tgt Ion: 56 Resp: 15706

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

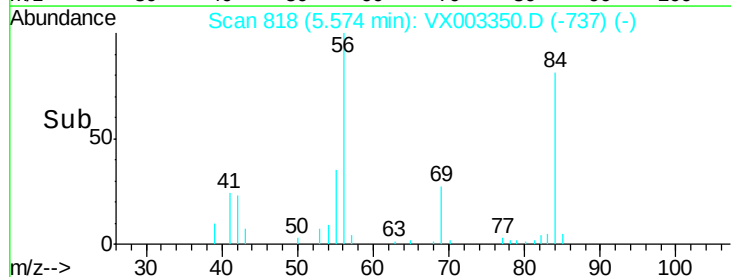
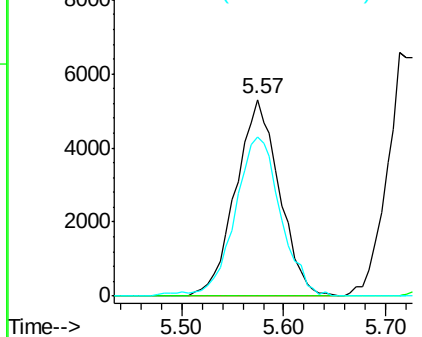
84 84.1 64.9 97.3

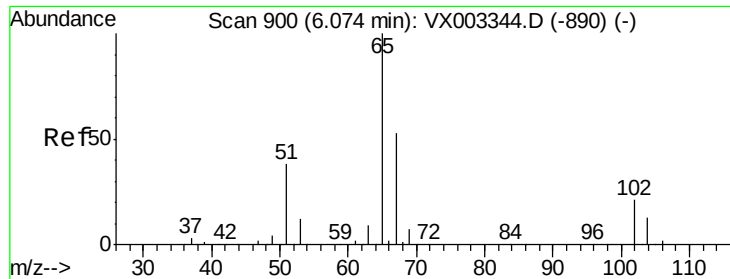


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.096 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tot Ion: 65 Resp: 127166

Ion Ratio Lower Upper

65 100

67 53.1 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

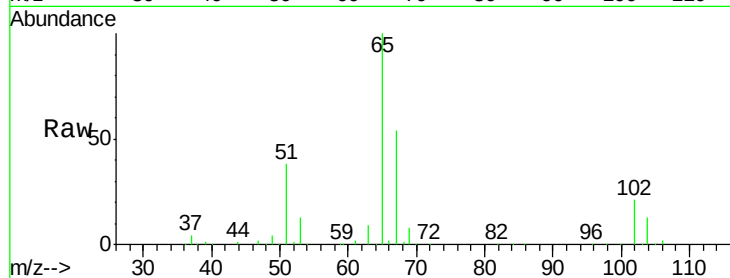
LOD-MDL-WATER-01-QT3-2018

Manual Integrations

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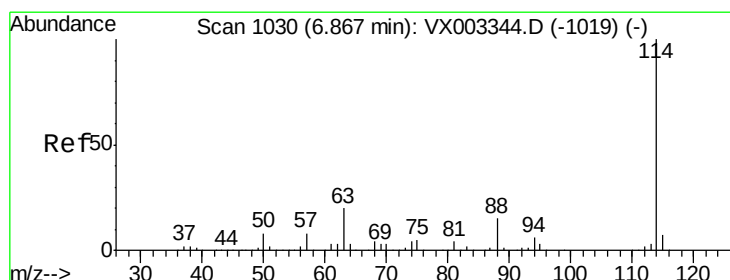
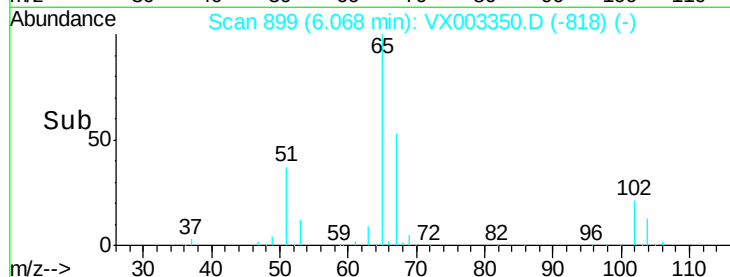
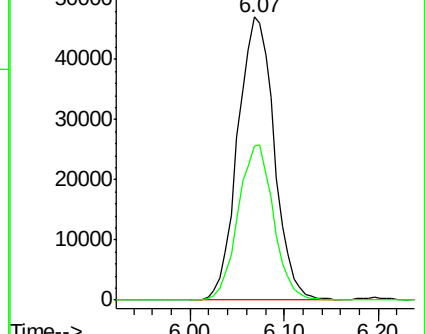
MMDadoda

7/13/2018 11:35:52 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

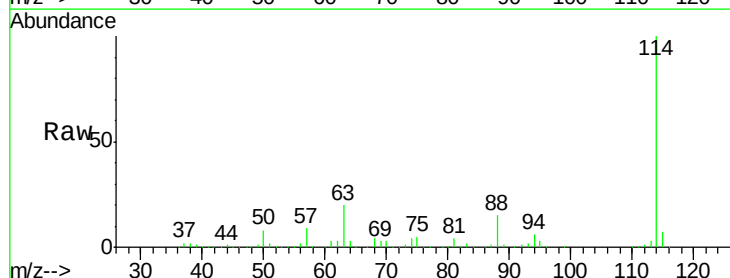
Tgt Ion: 114 Resp: 316084

Ion Ratio Lower Upper

114 100

63 19.5 17.1 25.7

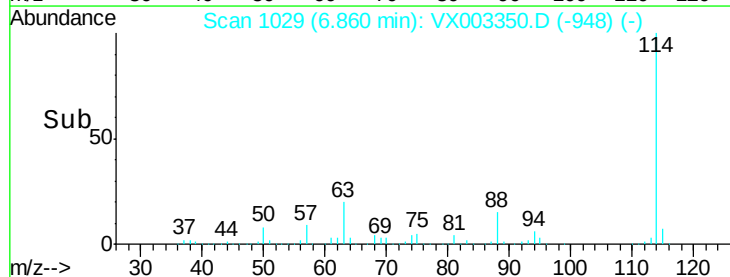
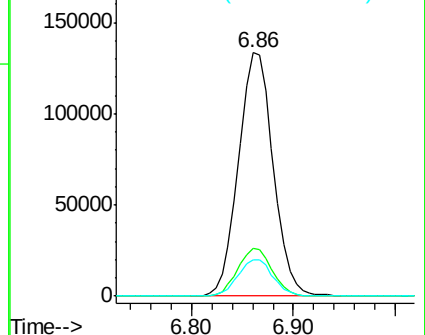
88 15.3 12.6 19.0

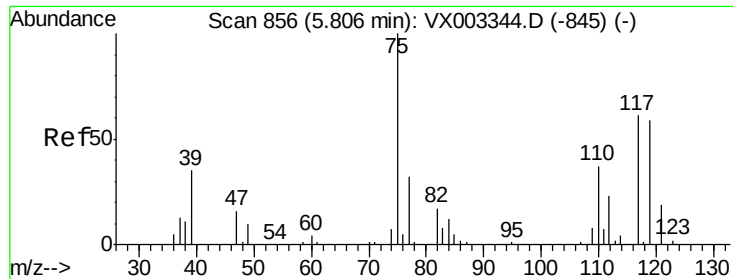


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





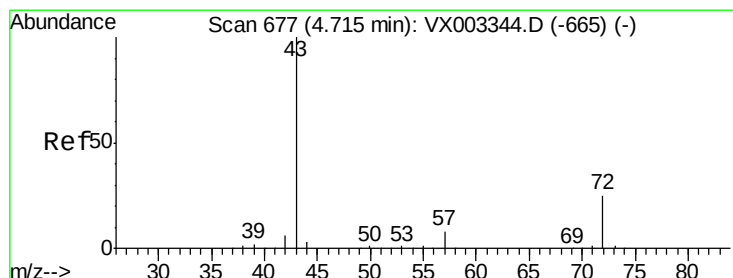
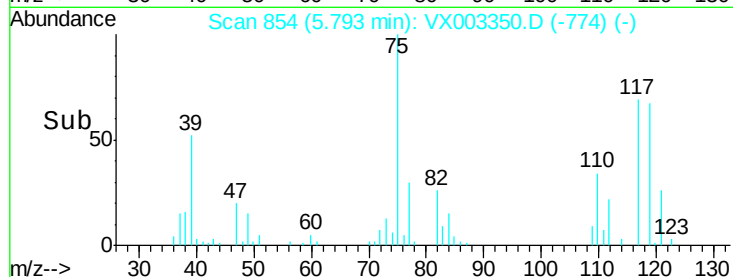
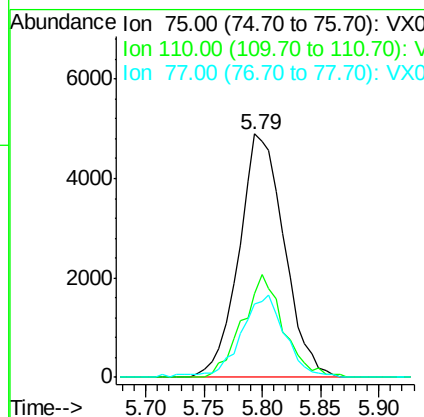
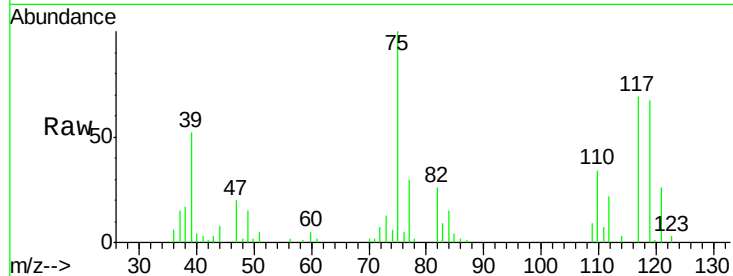
#29
 1,1-Dichloropropene
 Concen: 2.651 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	0.0	71.4	
77	32.5	0.0	60.6	

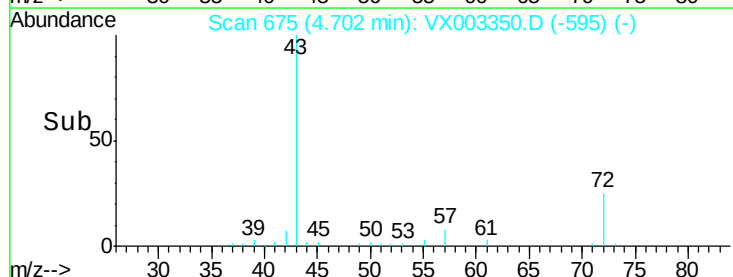
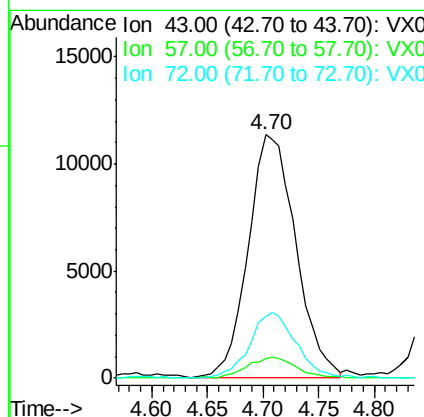
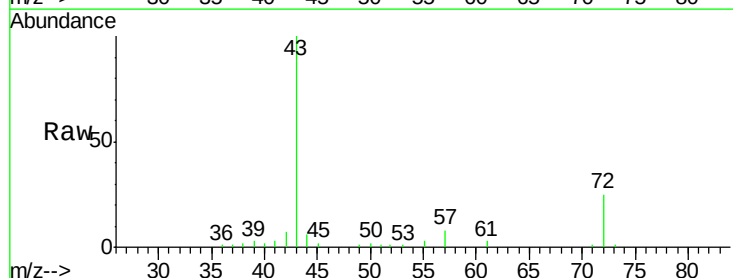
Manual Integrations
 APPROVED

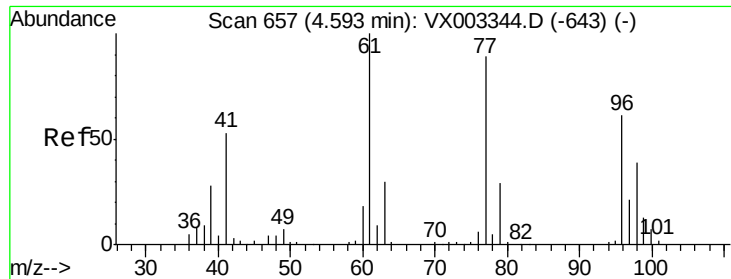
MMDadoda
 7/13/2018 11:35:52 AM



#30
 2-Butanone
 Concen: 12.165 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.5	6.1	9.1	
72	26.2	18.1	27.1	





#31

2,2-Dichloropropane

Concen: 2.458 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 77 Resp: 13231

Ion Ratio Lower Upper

77 100

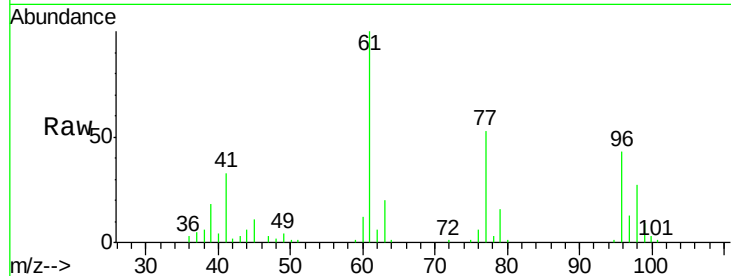
97 25.0 18.7 28.1

Manual Integrations

APPROVED

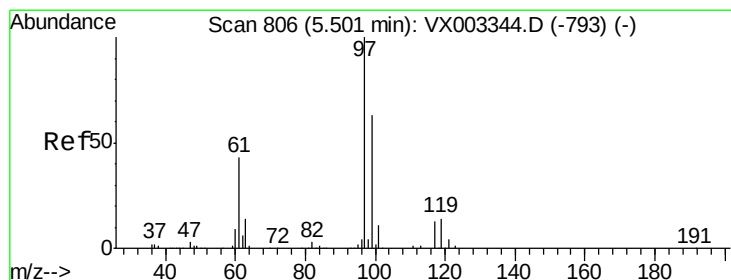
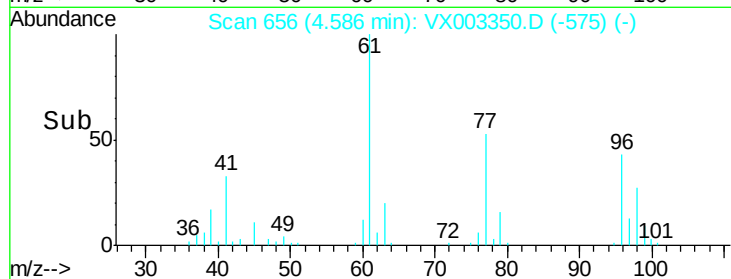
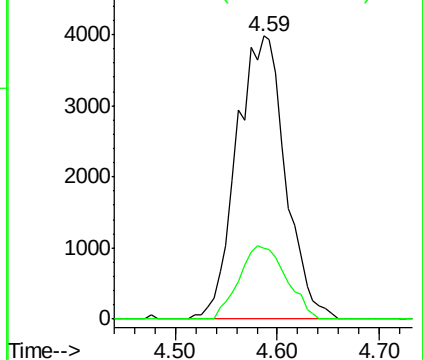
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 2.655 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

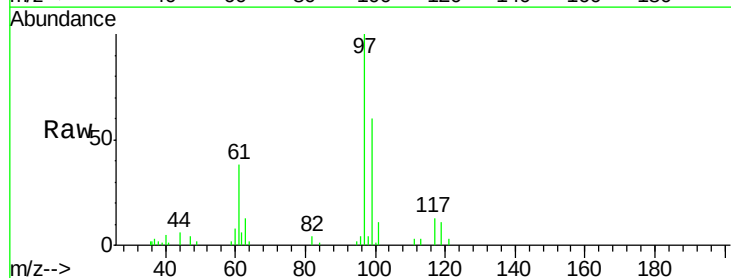
Tgt Ion: 97 Resp: 14979

Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

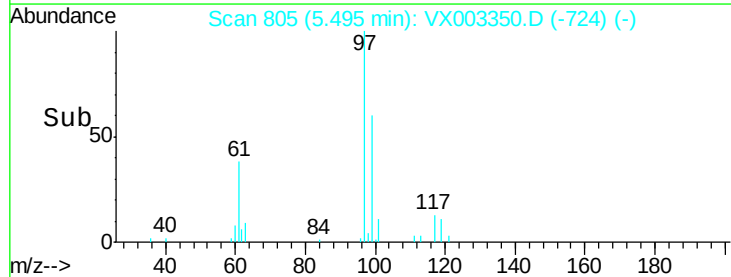
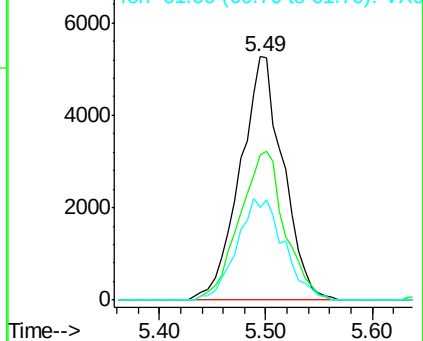
61 45.2 36.4 54.6

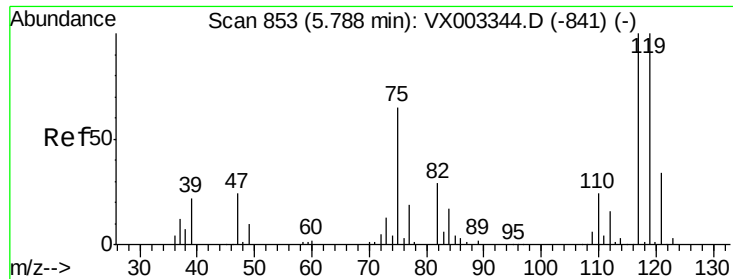


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





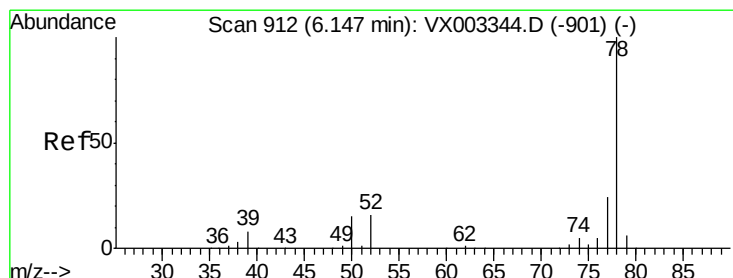
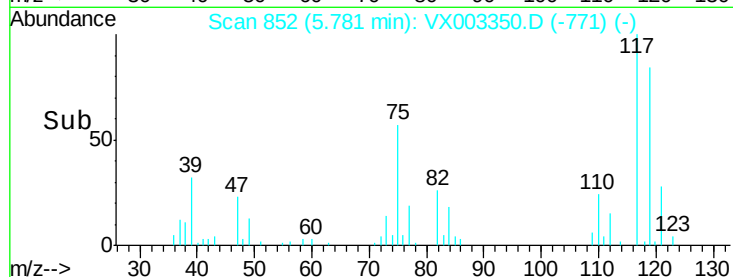
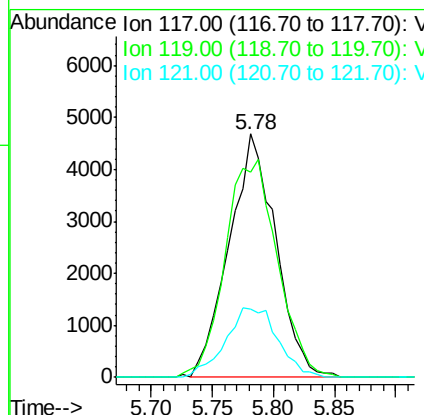
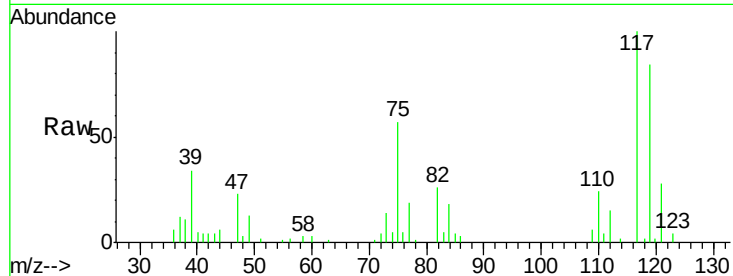
#33
Carbon Tetrachloride
Concen: 2.504 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
119	84.4	73.3	109.9
121	28.0	23.6	35.4

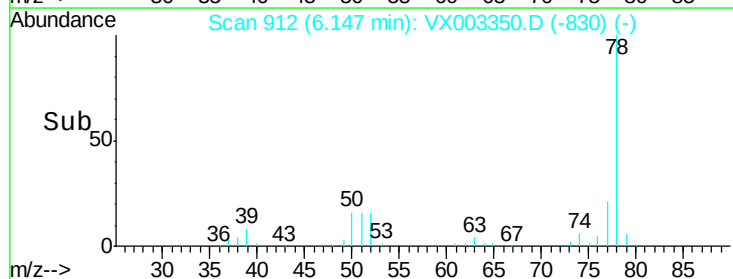
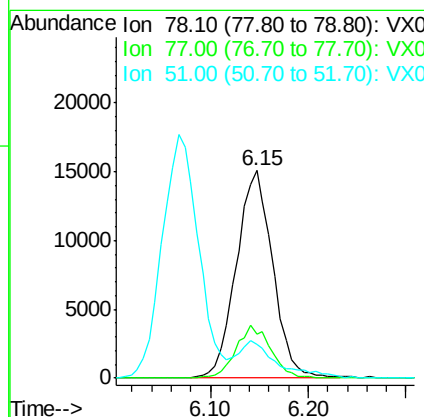
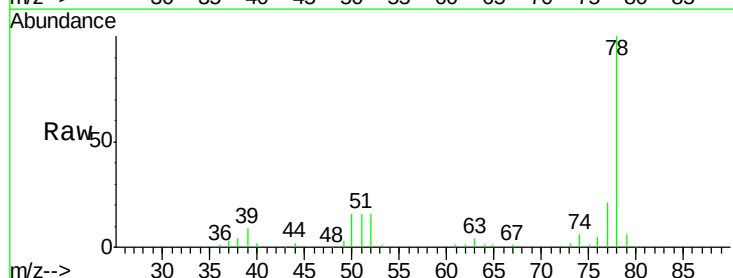
Manual Integrations
APPROVED

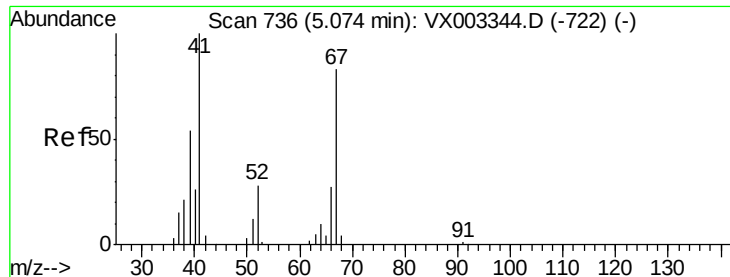
MMDadoda
7/13/2018 11:35:52 AM



#34
Benzene
Concen: 2.660 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.4	29.0
51	15.2	13.8	20.6





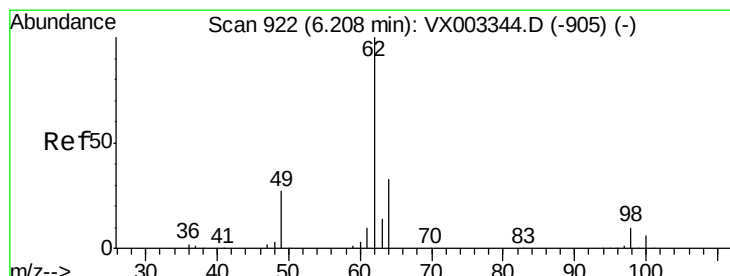
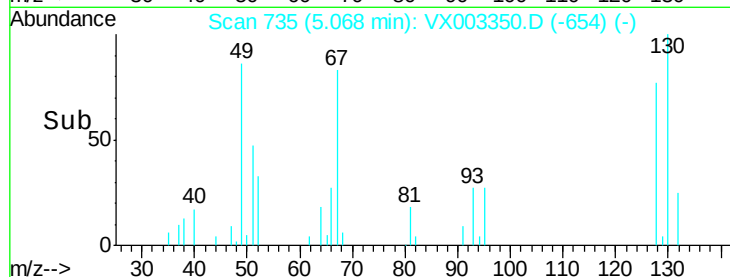
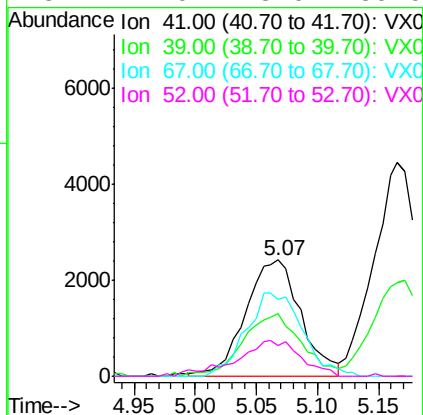
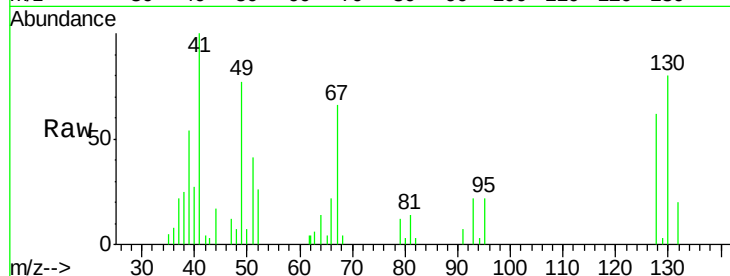
#35
Methacrylonitrile
Concen: 2.586 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	41	Resp:	7619
Ion	Ratio	Lower	Upper
41	100		
39	52.0	28.8	86.5
67	68.0	30.4	91.2
52	27.0	13.0	39.0

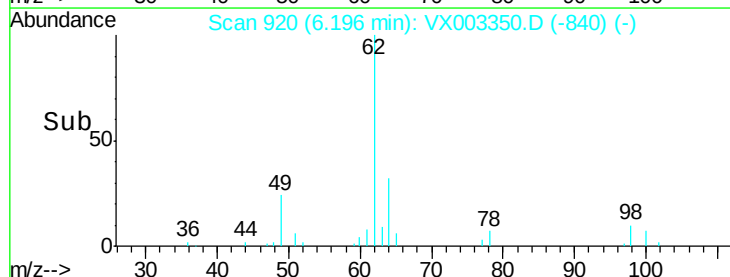
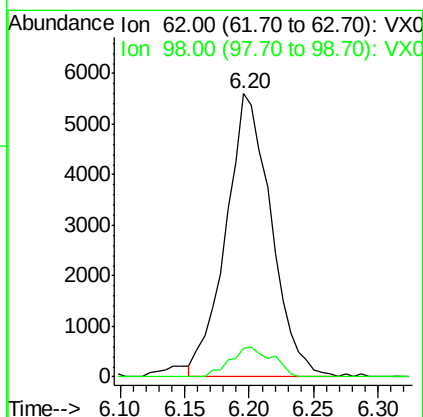
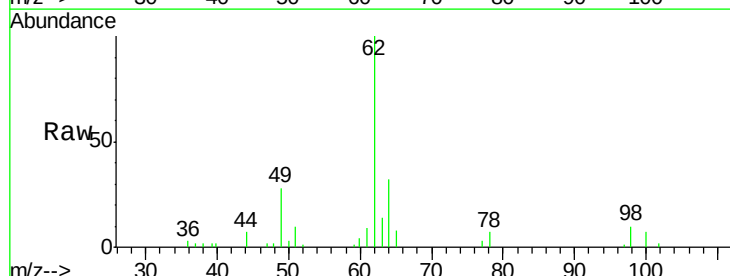
Manual Integrations
APPROVED

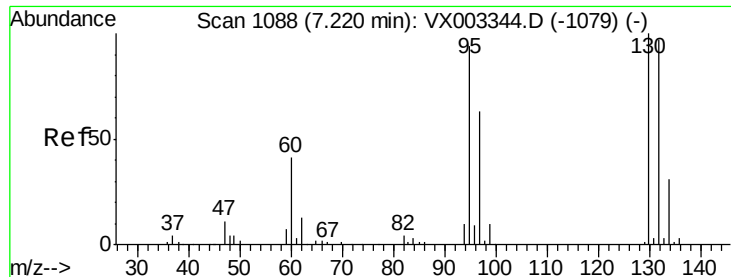
MMDadoda
7/13/2018 11:35:52 AM



#36
1,2-Dichloroethane
Concen: 2.687 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion:	62	Resp:	13715
Ion	Ratio	Lower	Upper
62	100		
98	9.8	6.5	9.7#





#37

Trichloroethene

Concen: 2.646 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:130 Resp: 10737

Ion Ratio Lower Upper

130 100

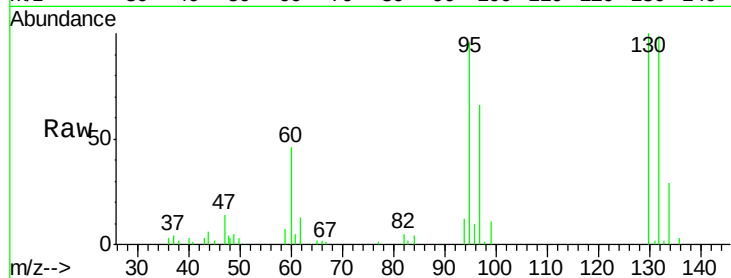
95 95.6 81.5 122.3

Manual Integrations

APPROVED

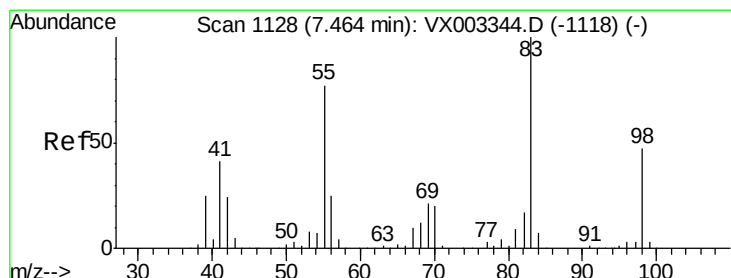
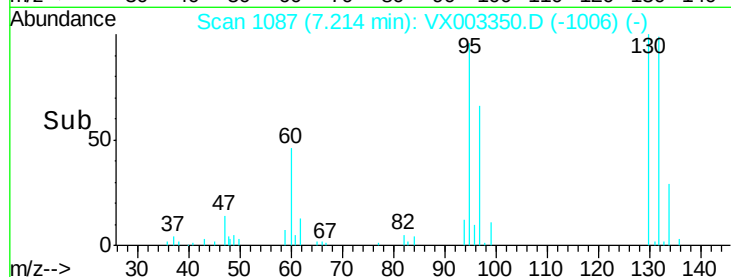
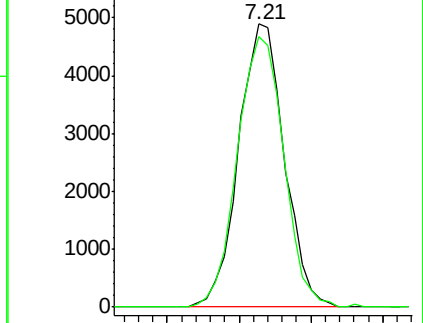
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 2.369 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

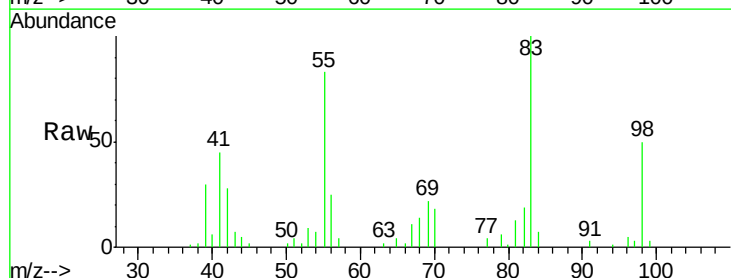
Tgt Ion: 83 Resp: 13347

Ion Ratio Lower Upper

83 100

55 81.3 40.6 121.8

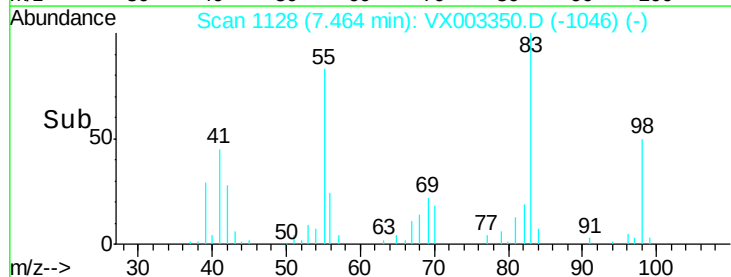
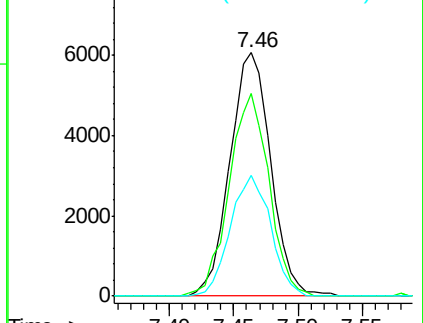
98 49.1 23.5 70.5

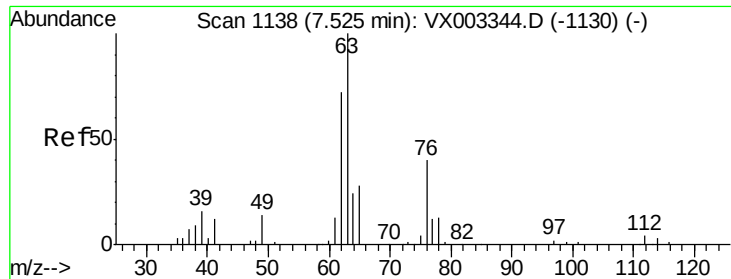


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





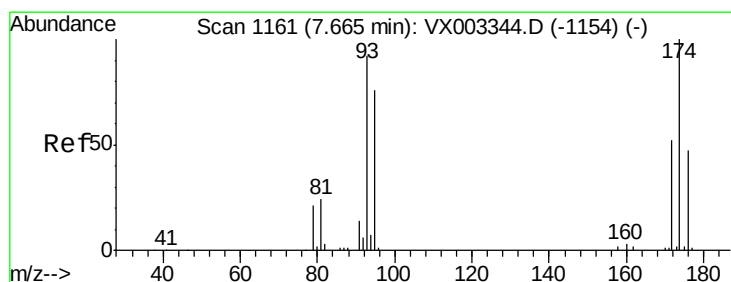
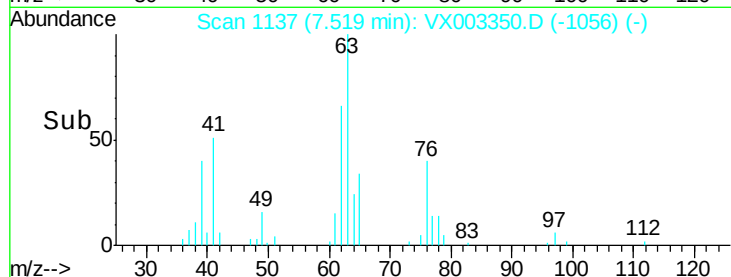
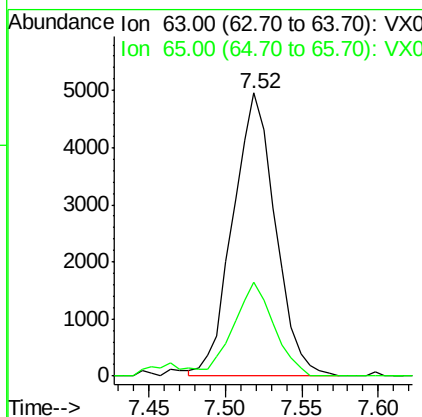
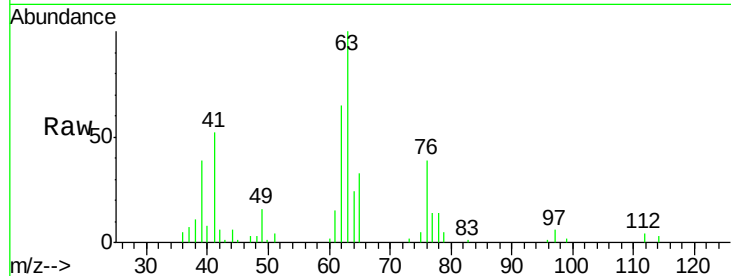
#39
 1,2-Dichloropropane
 Concen: 2.523 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 9569
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.3 34.9

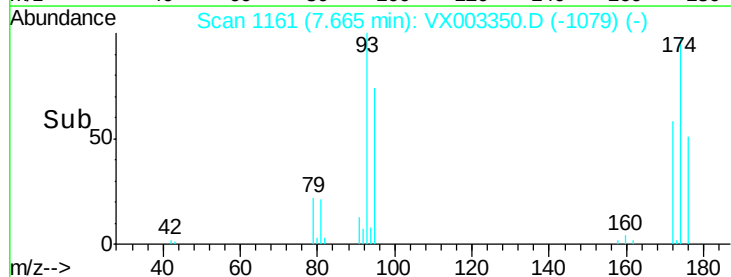
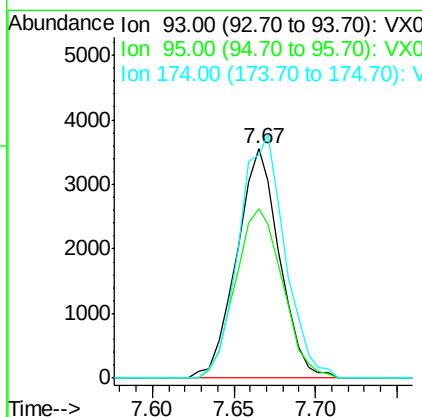
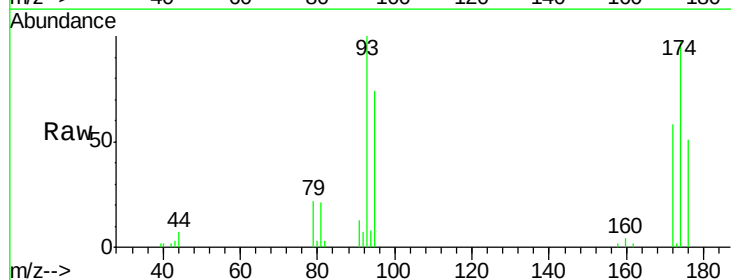
Manual Integrations
 APPROVED

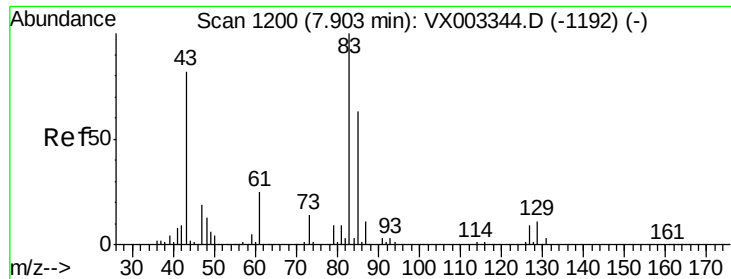
MMDadoda
 7/13/2018 11:35:52 AM



#40
 Dibromomethane
 Concen: 2.596 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion: 93 Resp: 6465
 Ion Ratio Lower Upper
 93 100
 95 81.4 0.0 162.6
 174 113.7 0.0 229.4





#41

Bromodichloromethane

Concen: 2.351 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

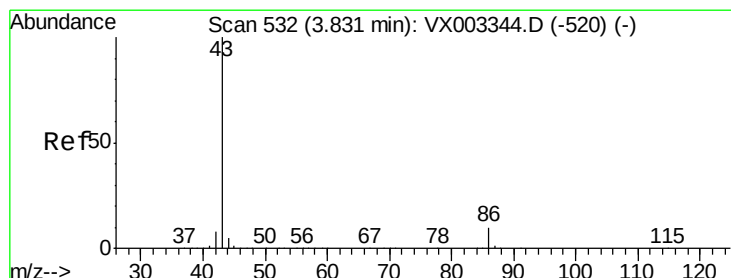
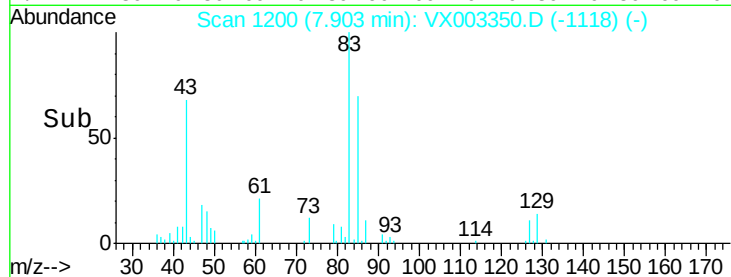
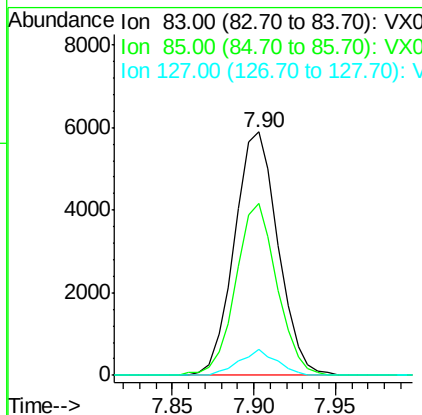
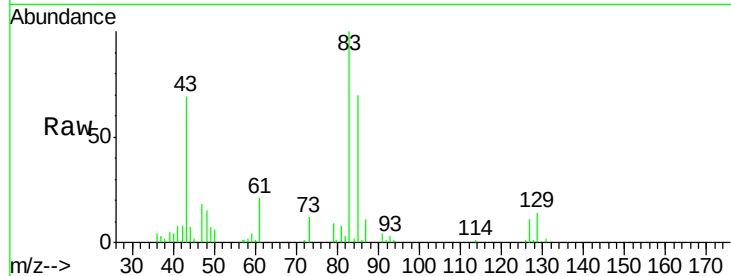
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	83	Resp:	10940
Ion	Ratio	Lower	Upper
83	100		
85	70.5	49.8	74.8
127	10.6	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:35:52 AM



#42

Vinyl Acetate

Concen: 13.724 ug/l

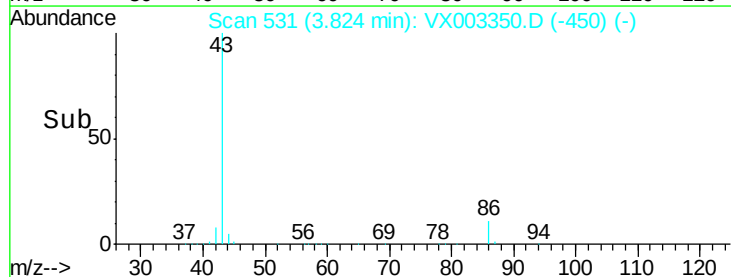
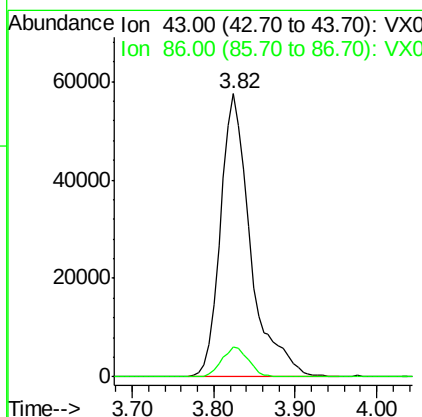
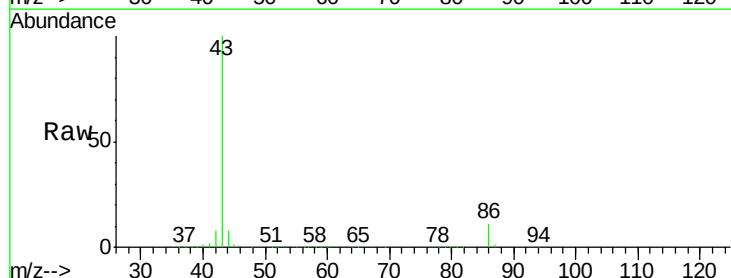
RT: 3.82 min Scan# 531

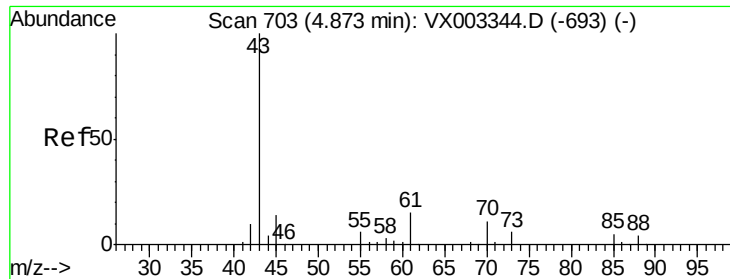
Delta R.T. -0.01 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	43	Resp:	146823
Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.7	10.1





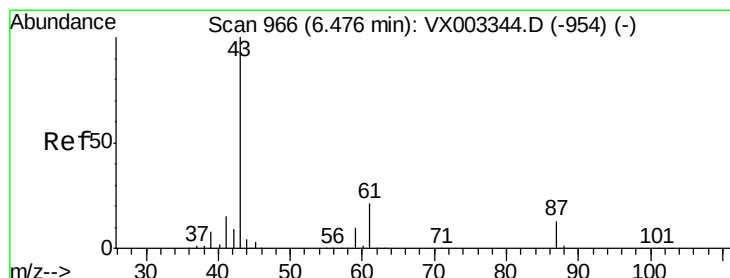
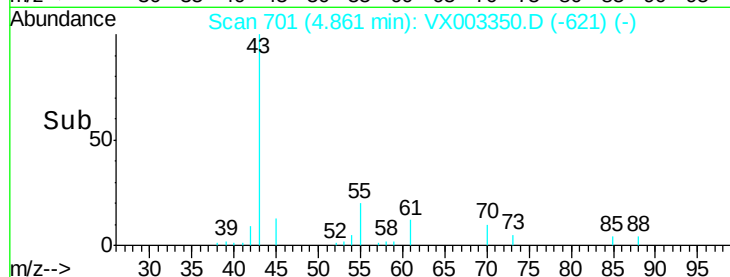
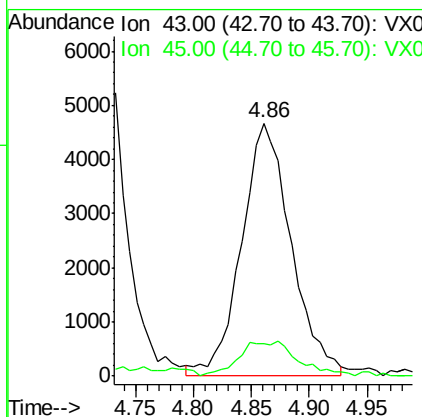
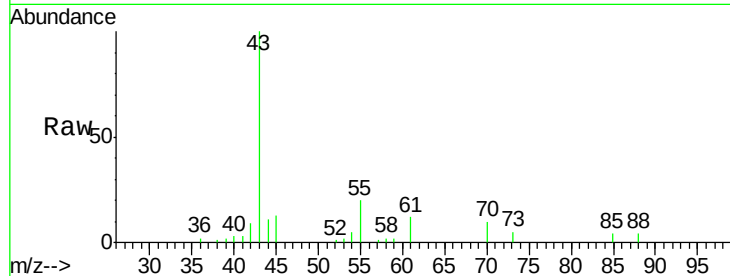
#43
Ethyl Acetate
Concen: 2.644 ug/l m
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 13983
Ion Ratio Lower Upper
43 100
45 0.2 11.0 16.4#

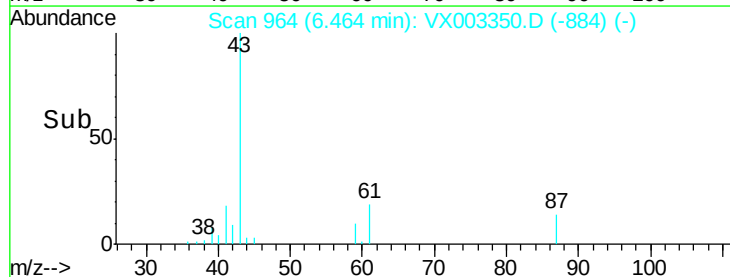
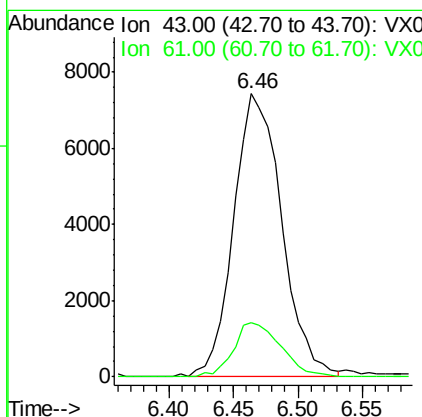
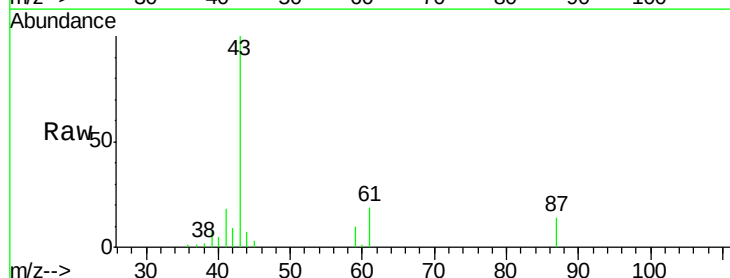
Manual Integrations
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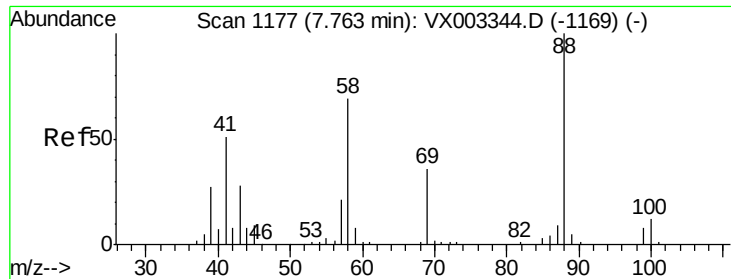
MMDadoda
7/13/2018 11:35:52 AM



#44
Isopropyl Acetate
Concen: 2.374 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion: 43 Resp: 19247
Ion Ratio Lower Upper
43 100
61 19.0 14.5 21.7





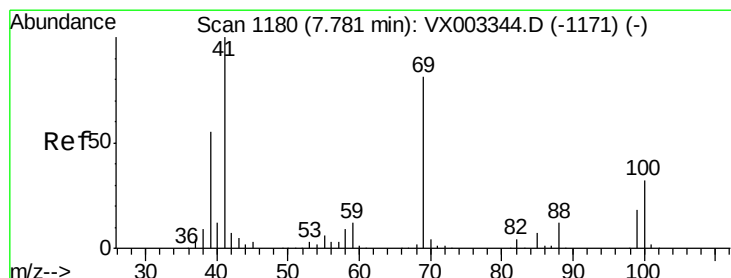
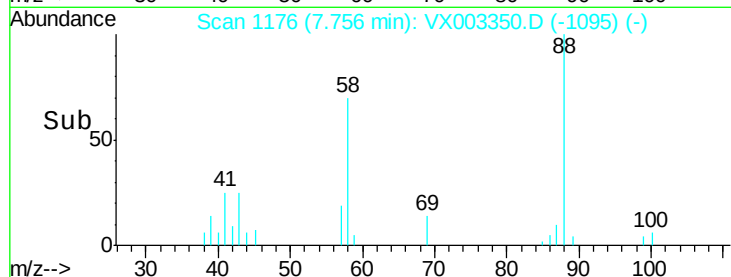
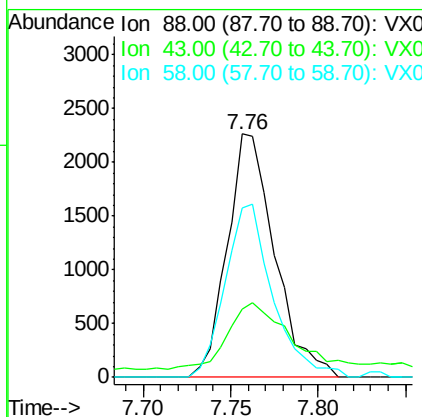
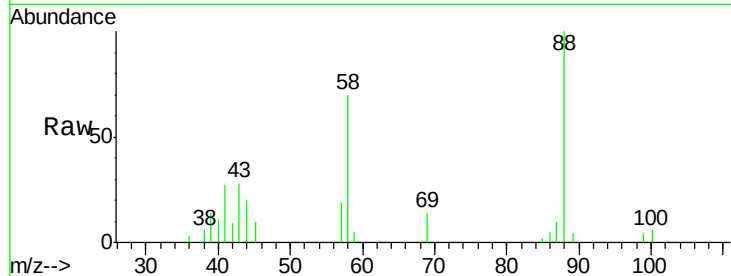
#45
1,4-Dioxane
Concen: 49.610 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	43.2	64.8#
58	69.6	60.2	90.2

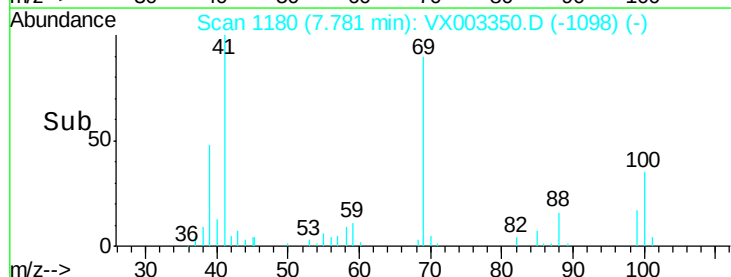
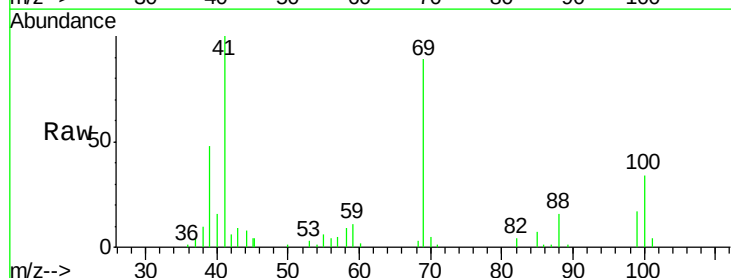
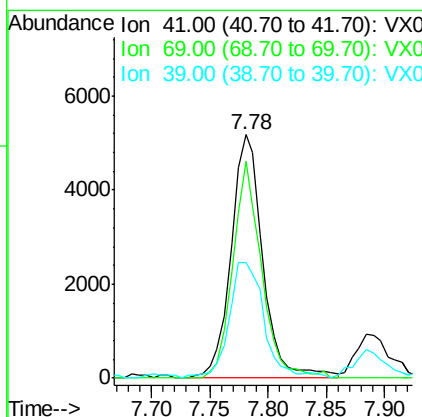
Manual Integrations
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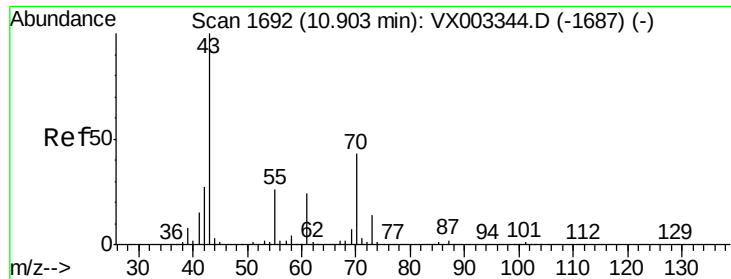
MMDadoda
7/13/2018 11:35:52 AM



#46
Methyl methacrylate
Concen: 2.348 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	37.0	110.9
39	46.4	29.6	88.9





#47

n-amvl Acetate

Concen: 1.917 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 13385

Ion Ratio Lower Upper

43 100

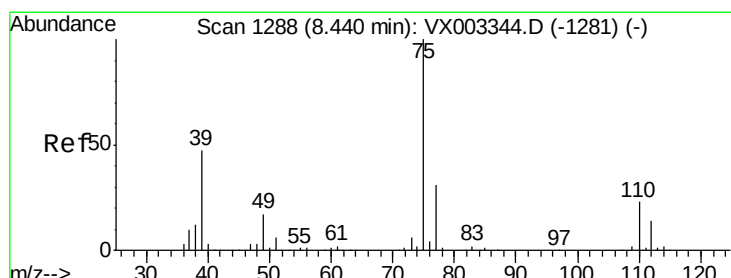
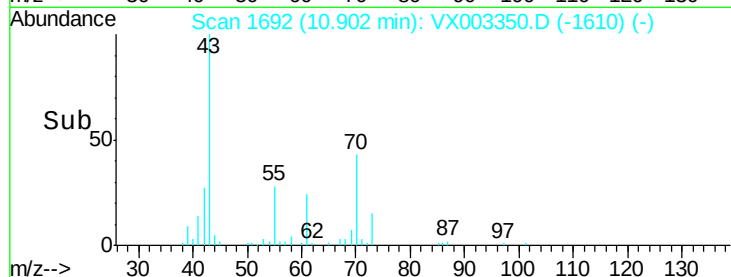
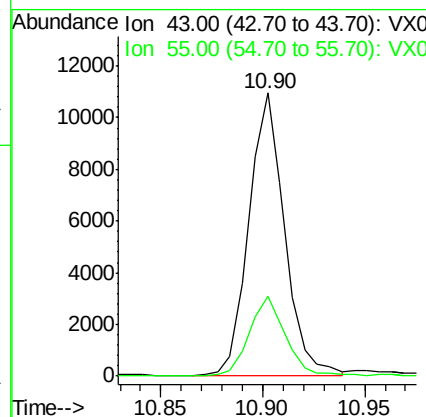
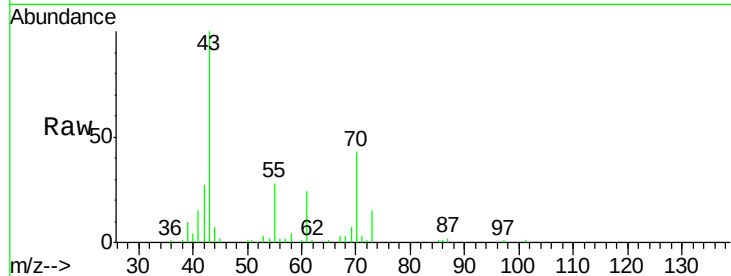
55 27.6 0.1 0.1#

Manual Integrations

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7/13/2018 11:35:52 AM



#48

t-1,3-Dichloropropene

Concen: 2.231 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003350.D

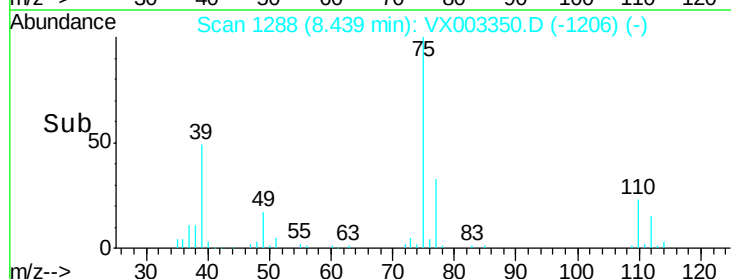
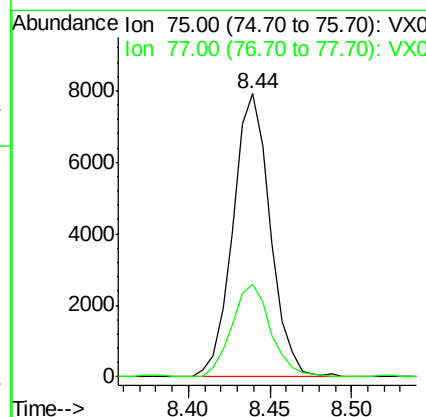
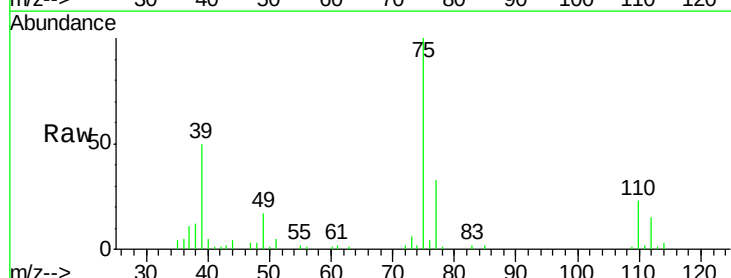
Acq: 12 Jul 2018 14:43

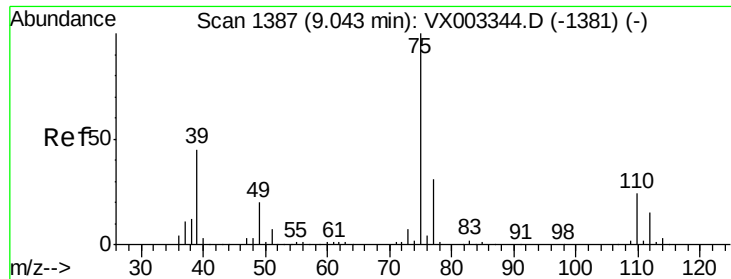
Tgt Ion: 75 Resp: 12634

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4





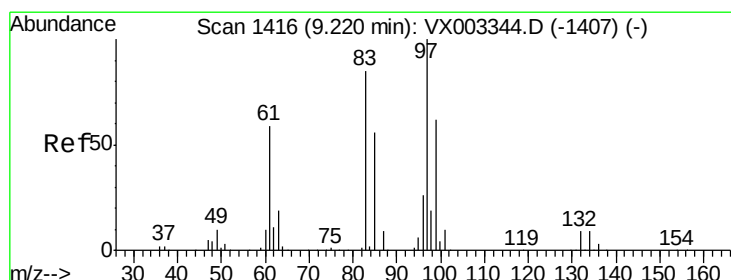
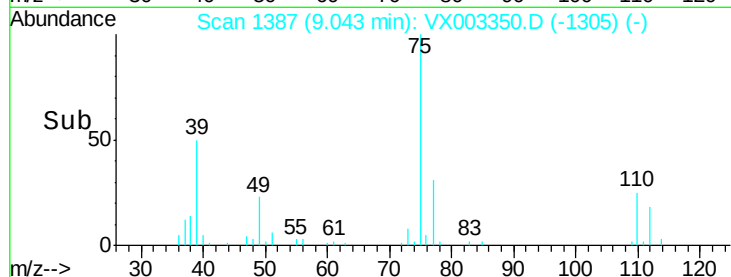
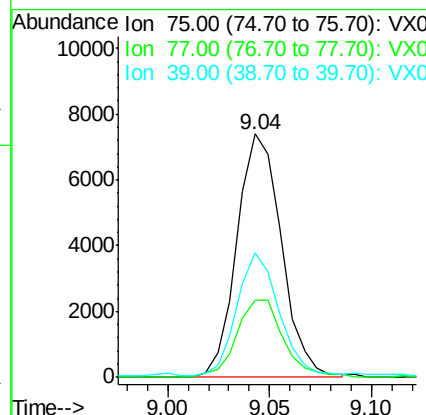
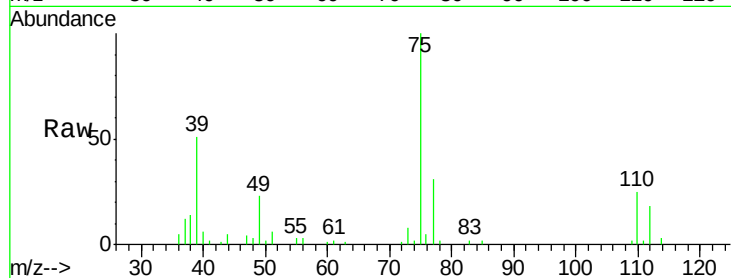
#49
 cis-1,3-Dichloropropene
 Concen: 2.188 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	50.3	42.3	63.5

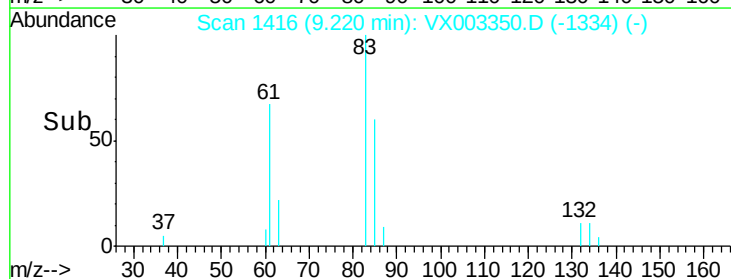
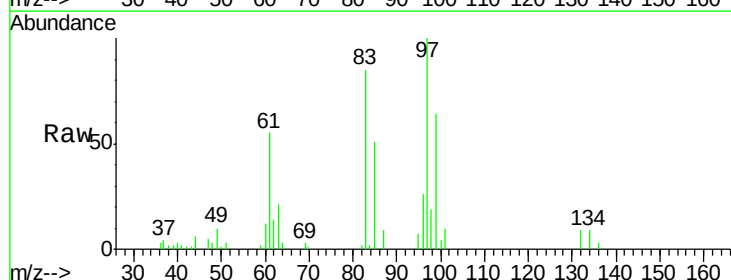
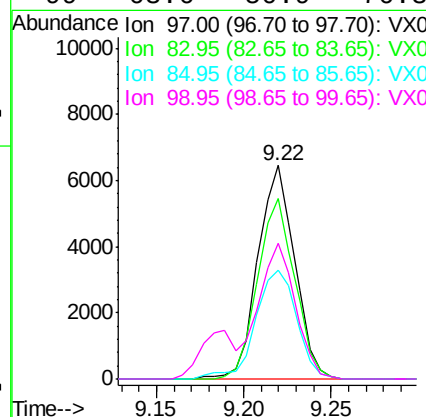
Manual Integrations
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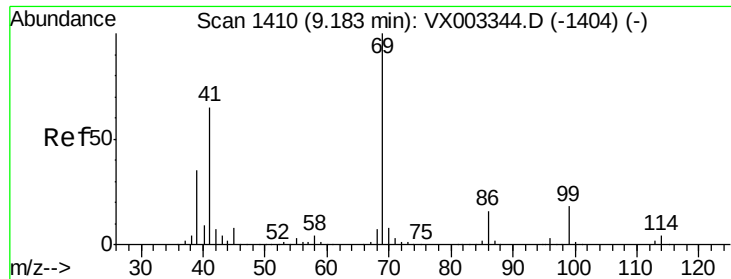
MMDadoda
 7/13/2018 11:35:52 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.505 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.8	106.2
85	50.9	43.5	65.3
99	63.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 2.222 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

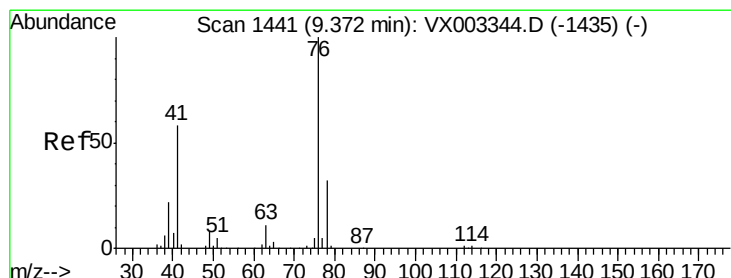
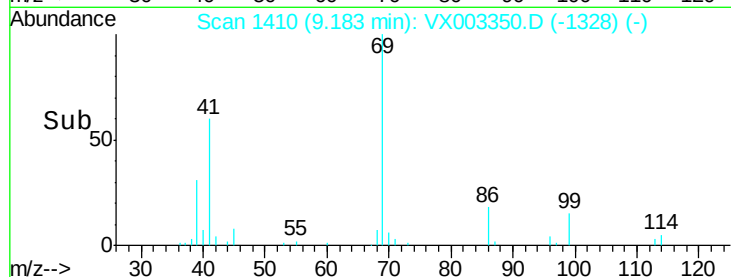
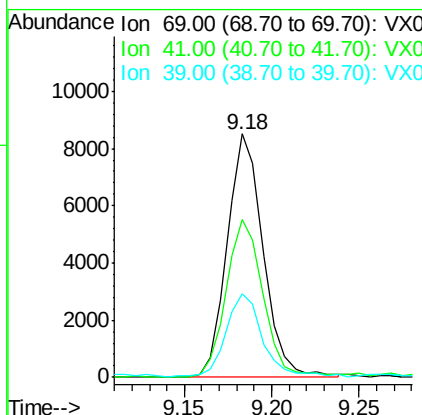
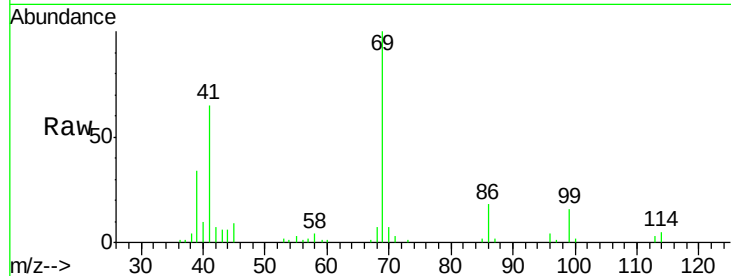
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	69	Resp:	12162
Ion	Ratio	Lower	Upper
69	100		
41	64.9	39.1	117.3
39	33.4	21.7	65.1

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#52

1,3-Dichloropropane

Concen: 2.529 ug/l

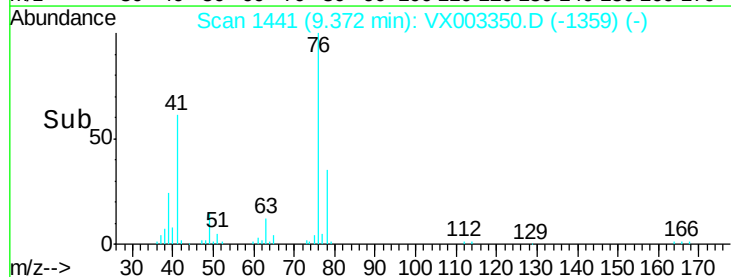
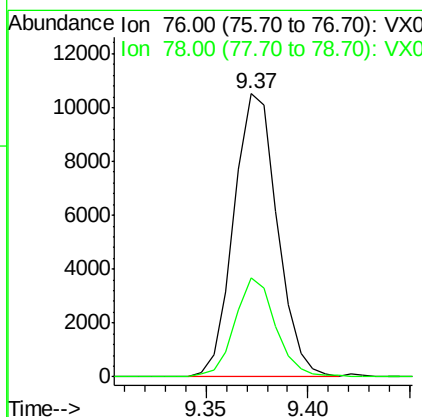
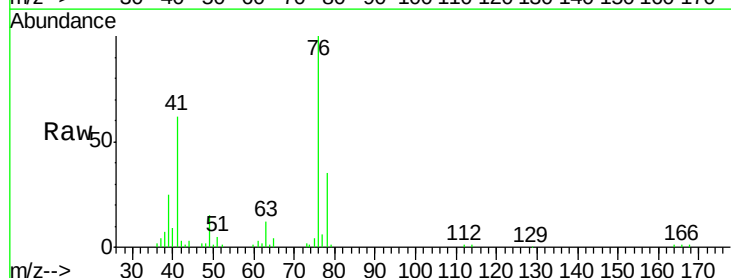
RT: 9.37 min Scan# 1441

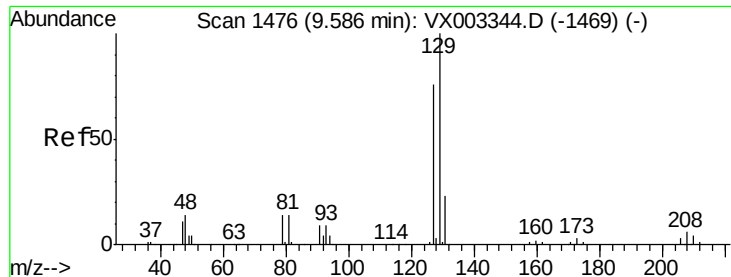
Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	76	Resp:	15600
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





#53

Dibromochloromethane

Concen: 2.140 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:129 Resp: 8033

Ion Ratio Lower Upper

129 100

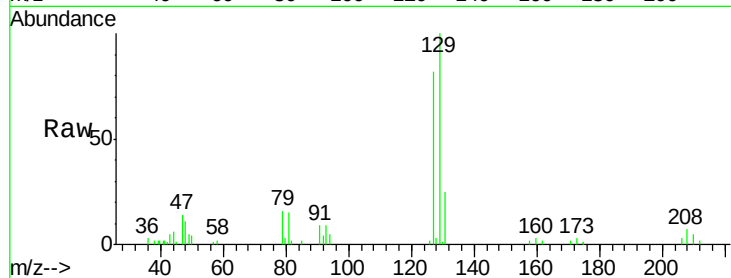
127 78.7 38.5 115.3

Manual Integrations

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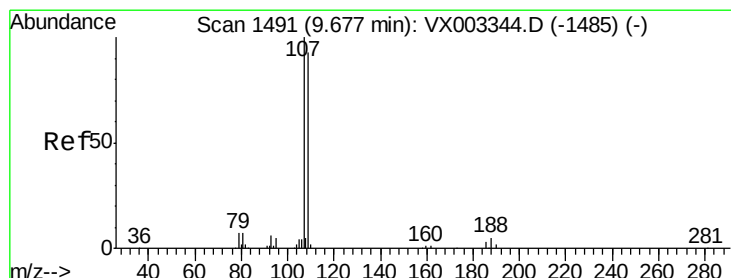
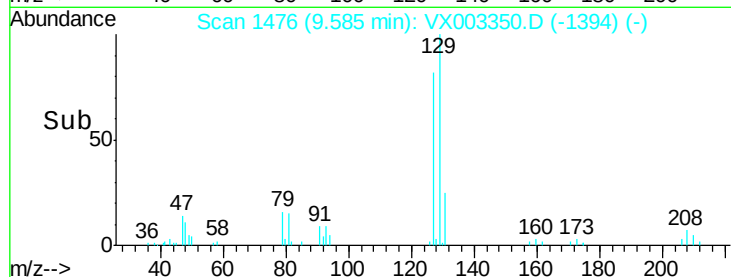
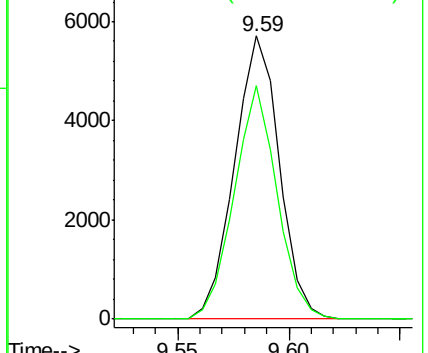
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.452 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003350.D

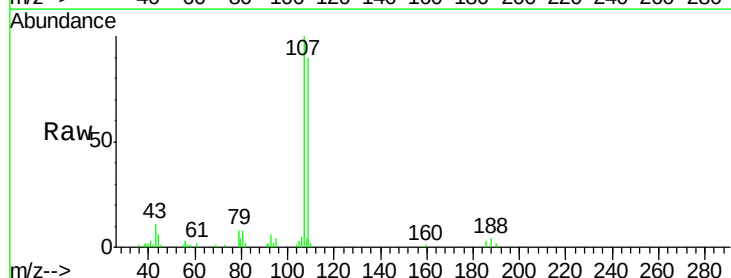
Acq: 12 Jul 2018 14:43

Tgt Ion:107 Resp: 9549

Ion Ratio Lower Upper

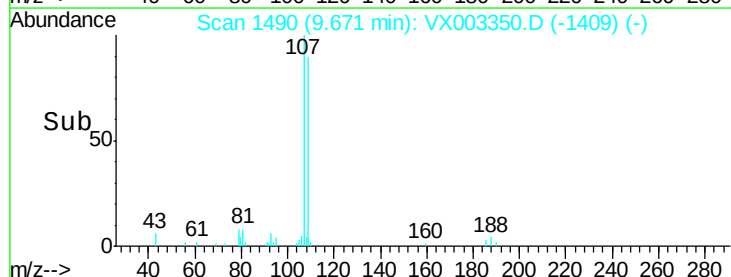
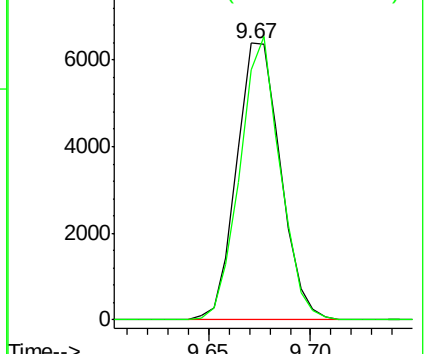
107 100

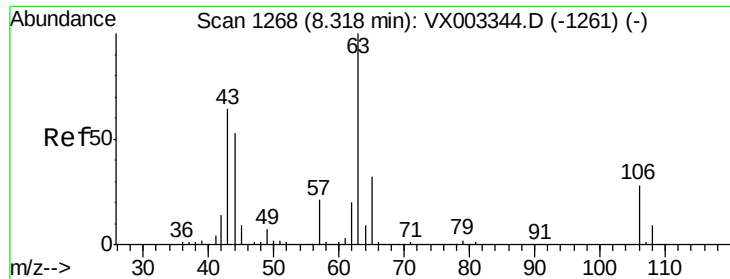
109 93.8 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





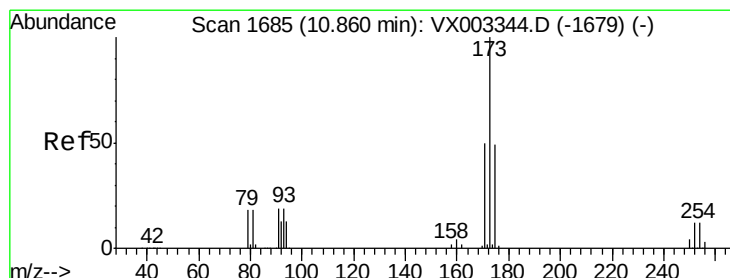
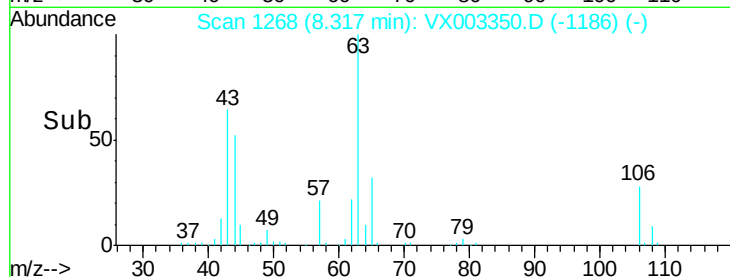
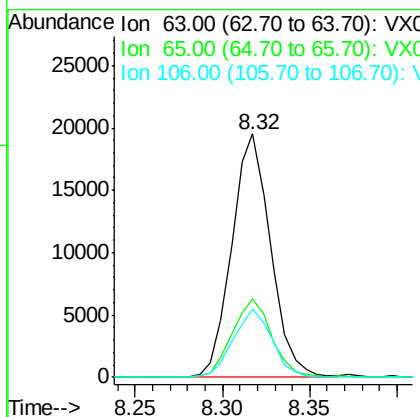
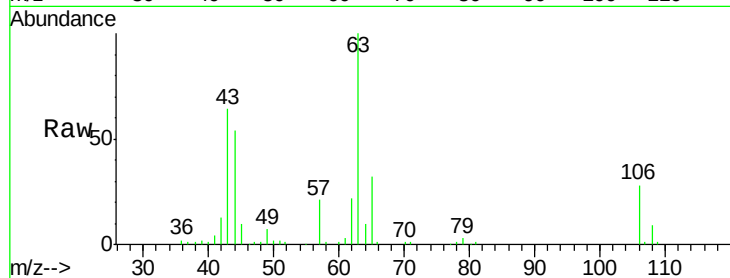
#55
2-Chloroethyl vinyl ether
Concen: 11.677 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.6	38.4
106	27.8	21.6	32.4

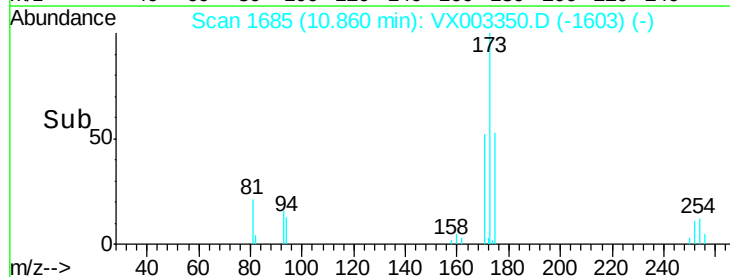
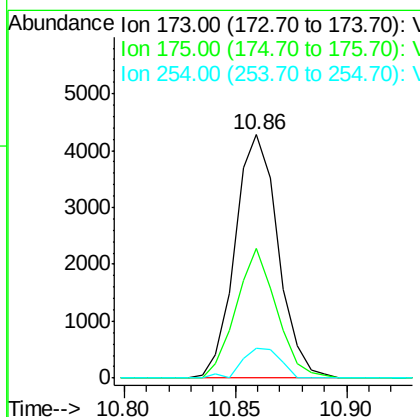
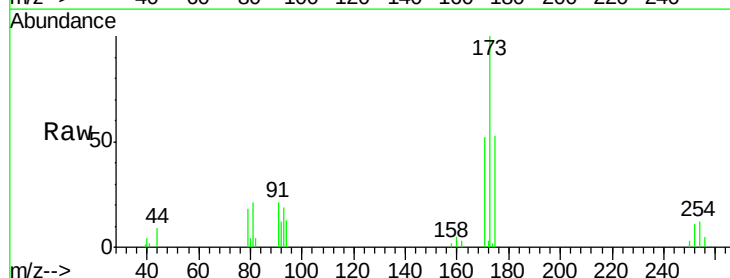
Manual Integrations
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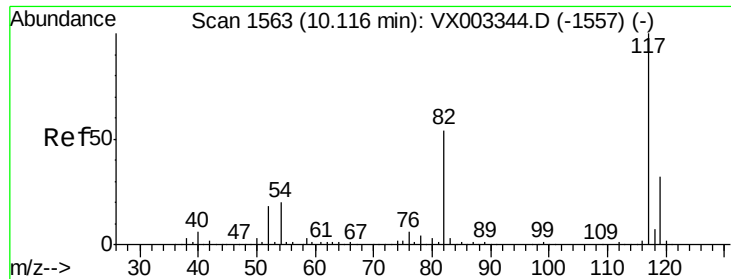
MMDadoda
7/13/2018 11:35:52 AM



#56
Bromoform
Concen: 2.020 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.0	58.4
254	10.4	9.6	14.4





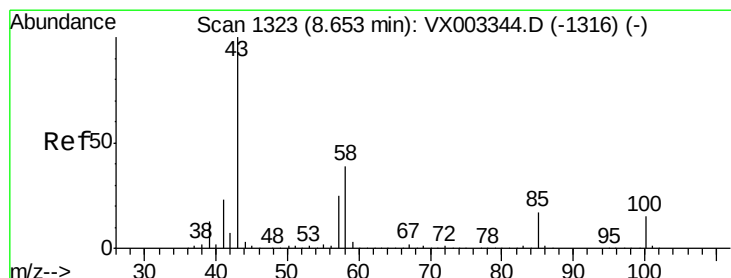
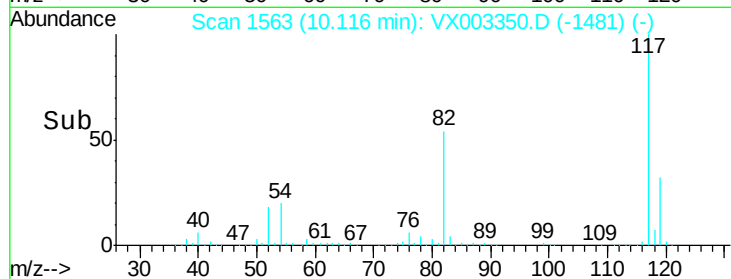
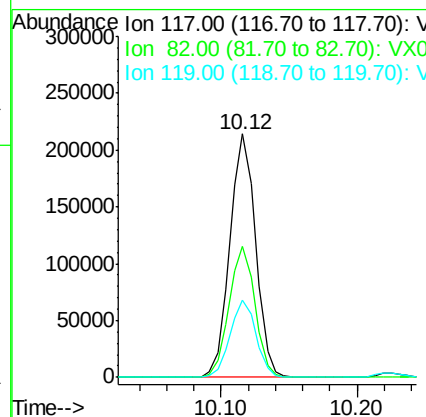
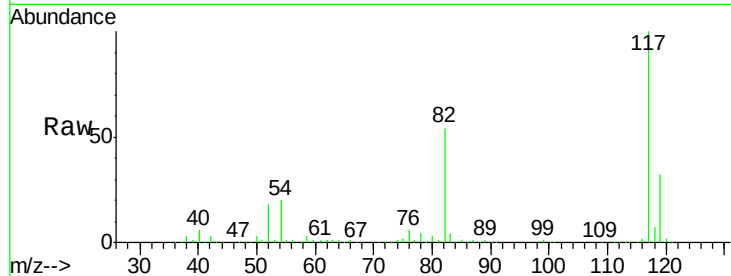
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281995		
82	54.0		44.3	66.5
119	31.8		25.7	38.5

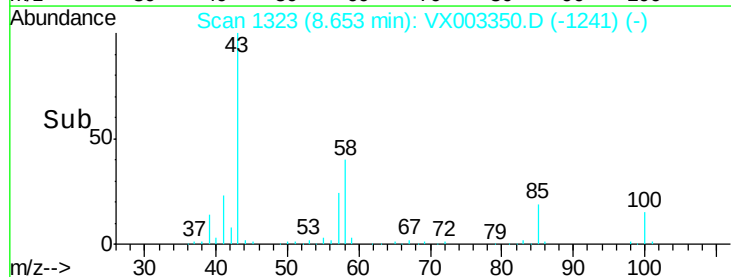
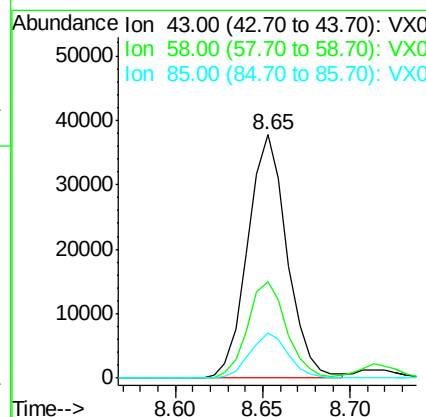
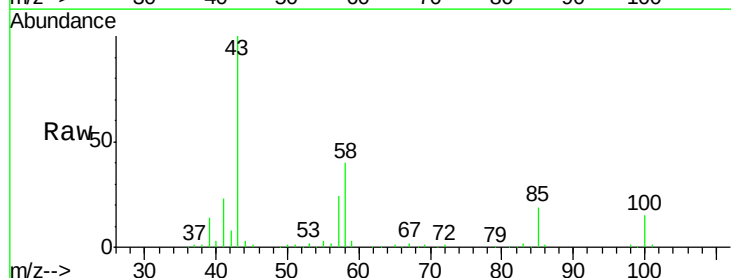
Manual Integrations
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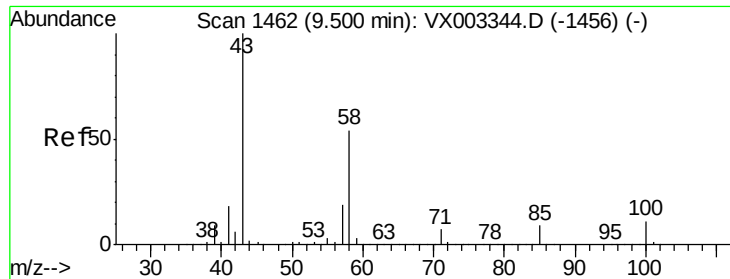
MMDadoda
7/13/2018 11:35:52 AM



#58
4-Methyl-2-Pentanone
Concen: 11.674 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	58642		
58	39.6		28.2	42.4
85	17.9		12.4	18.6





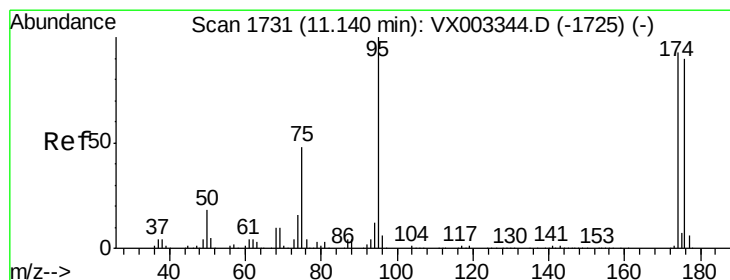
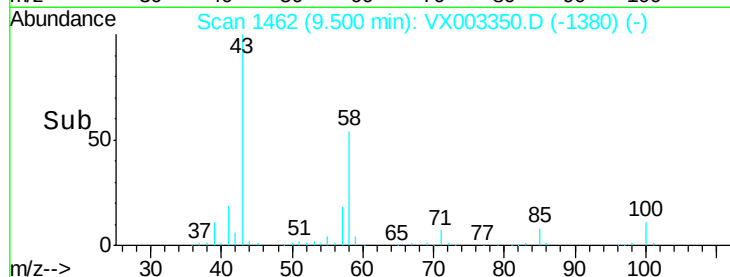
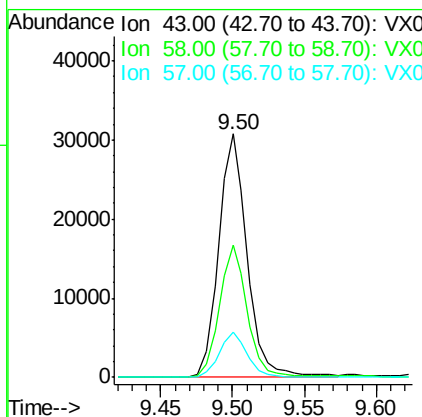
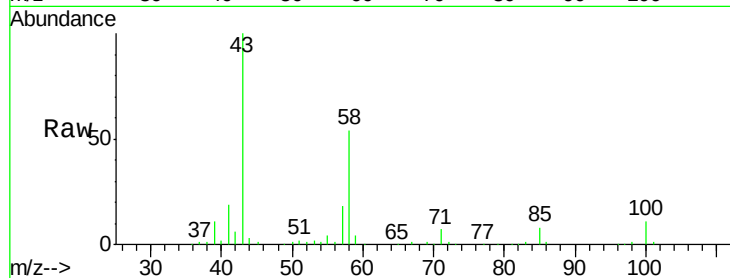
#59
2-Hexanone
Concen: 10.966 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	39.6	59.4
57	18.6	14.1	21.1

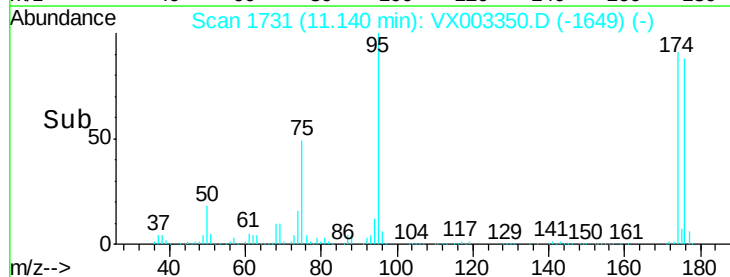
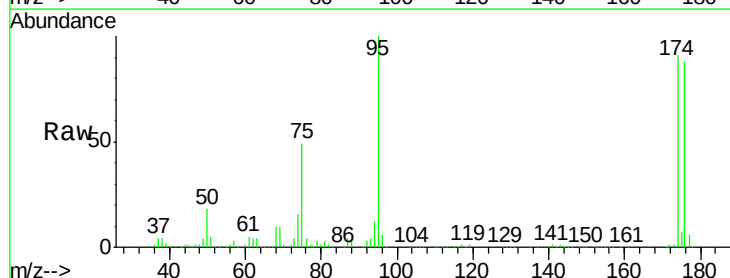
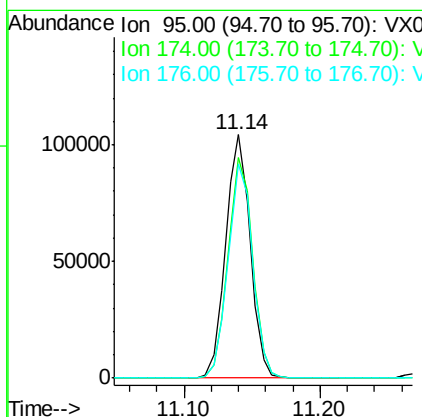
Manual Integrations
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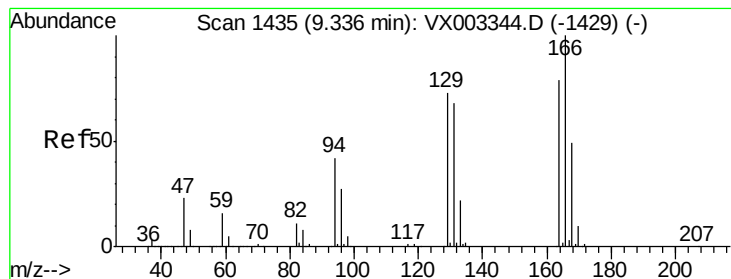
MMDadoda
7/13/2018 11:35:52 AM



#60
4-Bromofluorobenzene
Concen: 28.629 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	71.8	107.6
176	88.7	70.1	105.1





#61

Tetrachloroethene

Concen: 2.744 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:164 Resp: 11844

Ion Ratio Lower Upper

164 100

166 126.7 102.4 153.6

129 90.9 70.1 105.1

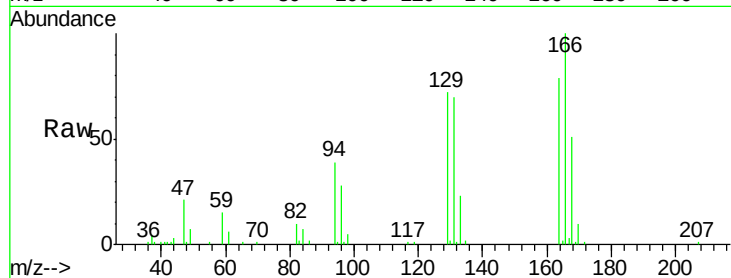
131 89.2 69.1 103.7

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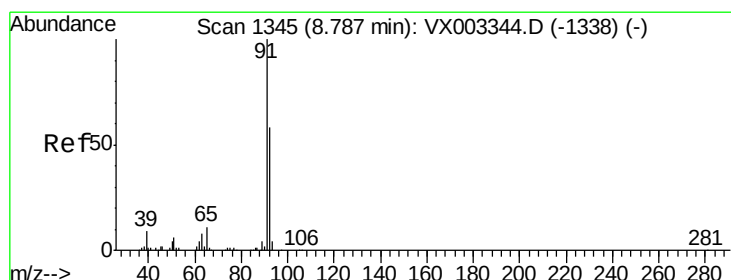
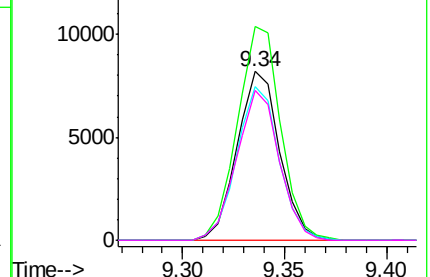
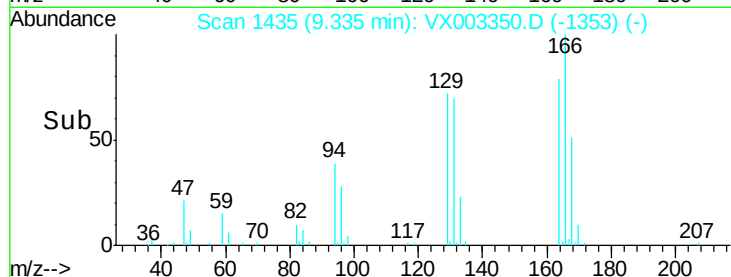


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.677 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003350.D

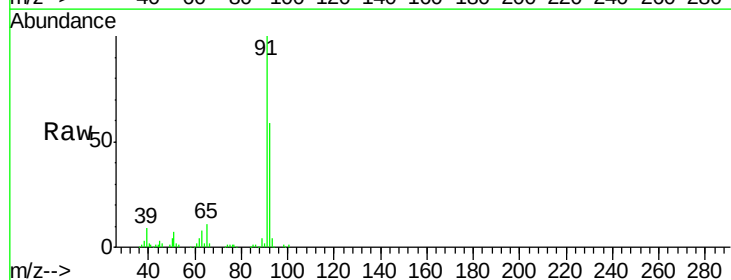
Acq: 12 Jul 2018 14:43

Tgt Ion: 91 Resp: 41193

Ion Ratio Lower Upper

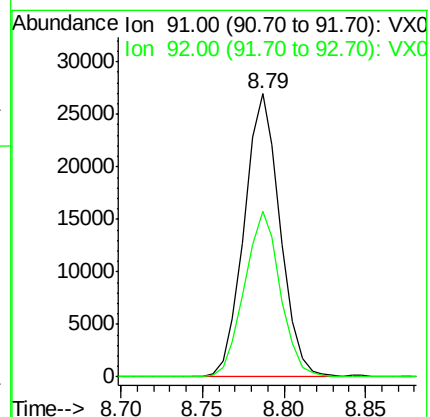
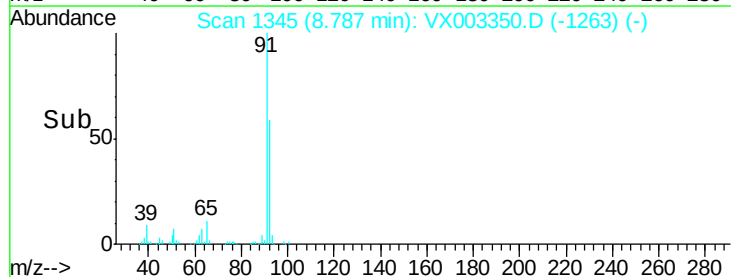
91 100

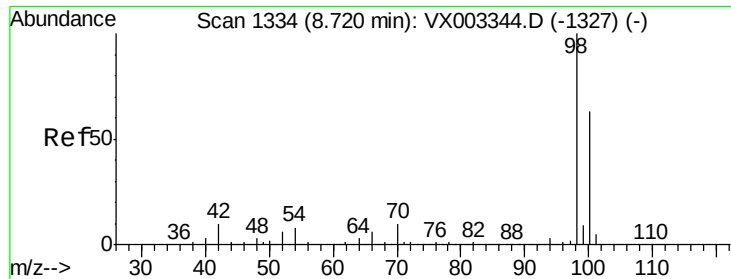
92 58.4 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.939 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 98 Resp: 385710

Ion Ratio Lower Upper

98 100

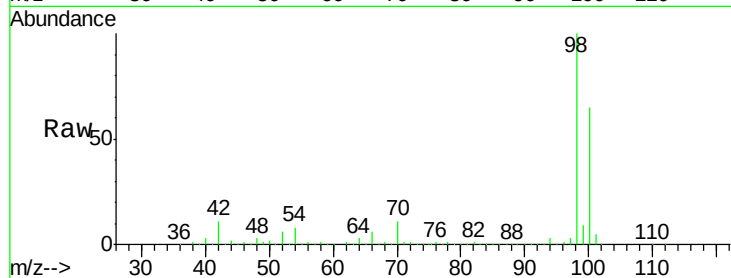
100 64.5 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VX003344.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX003344.D (-1327) (-)

8.72

250000

200000

150000

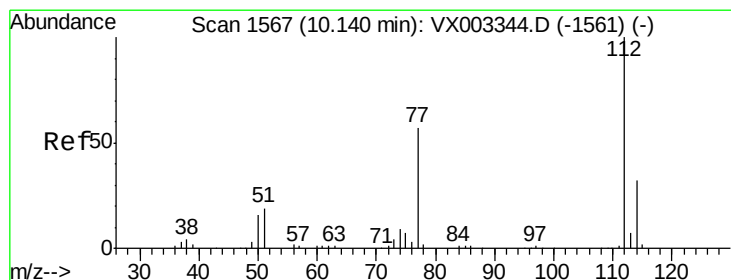
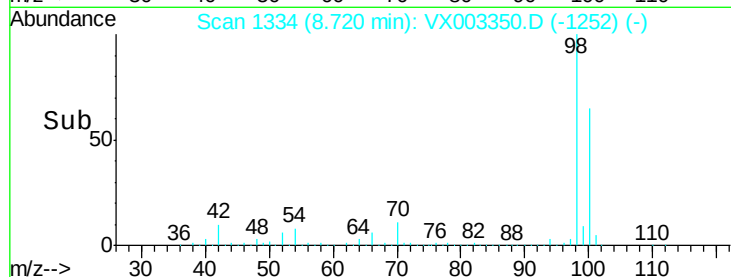
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 2.593 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003350.D

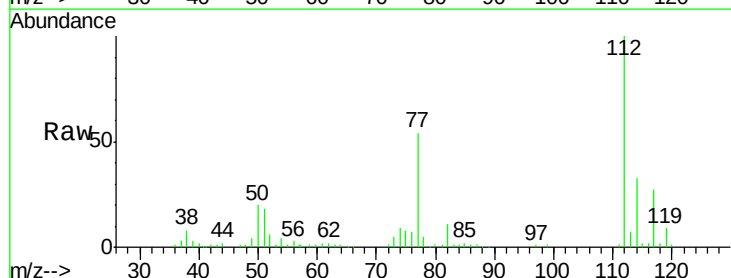
Acq: 12 Jul 2018 14:43

Tgt Ion: 112 Resp: 26417

Ion Ratio Lower Upper

112 100

114 33.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX003344.D (-1561) (-)

Ion 114.00 (113.70 to 114.70): VX003344.D (-1561) (-)

10.14

20000

15000

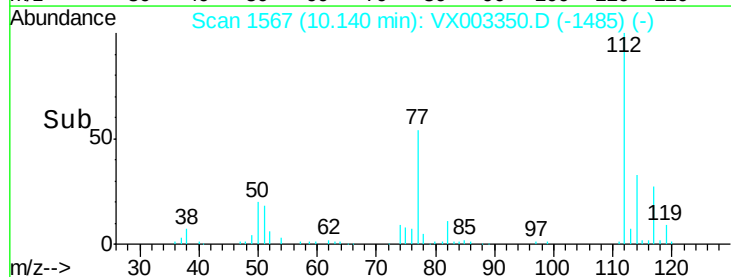
10000

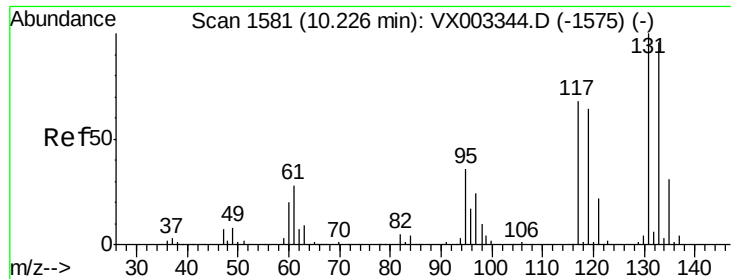
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.250 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

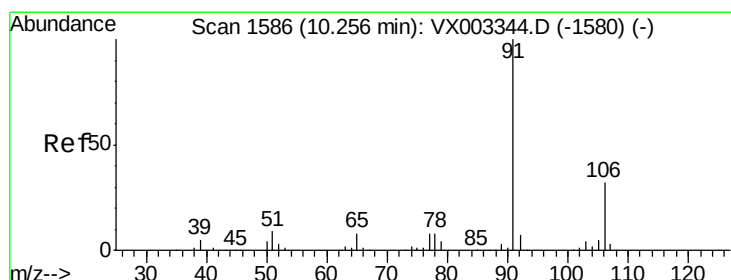
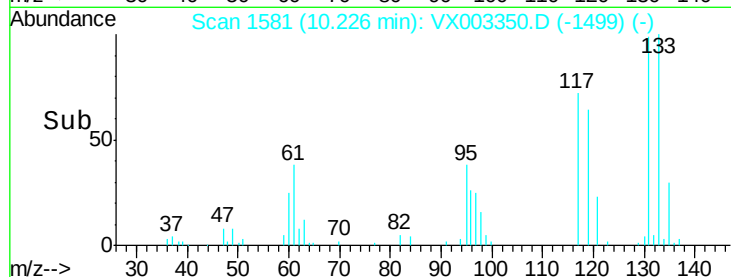
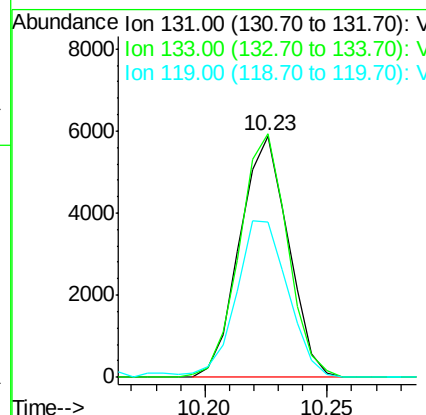
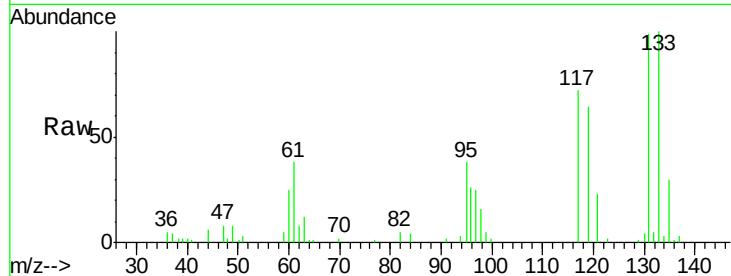
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	131	Resp:	8131
Ion Ratio	Lower	Upper	
131	100		
133	99.4	0.0	191.2
119	68.7	0.0	125.4

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#66

Ethyl Benzene

Concen: 2.487 ug/l

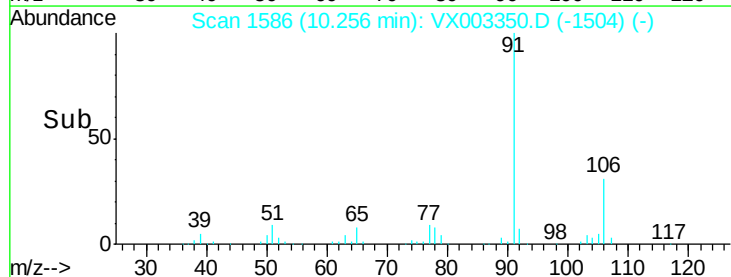
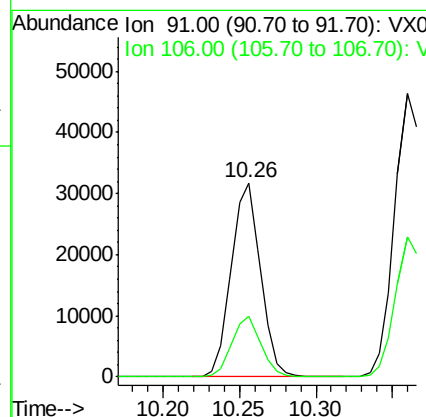
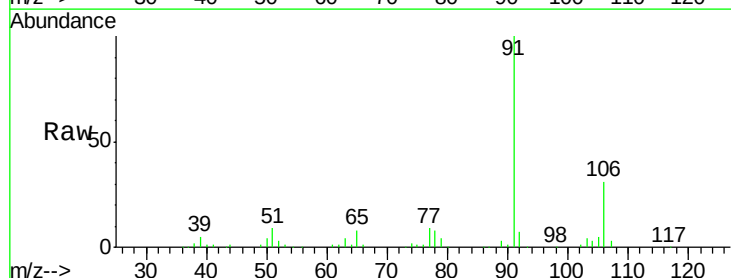
RT: 10.26 min Scan# 1586

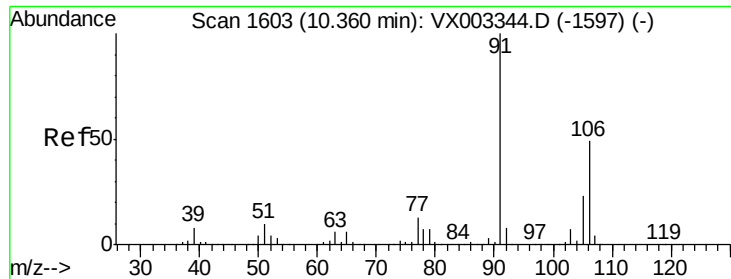
Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	91	Resp:	42275
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.2	37.8





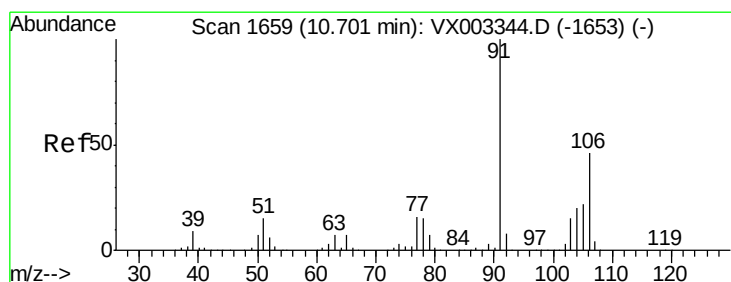
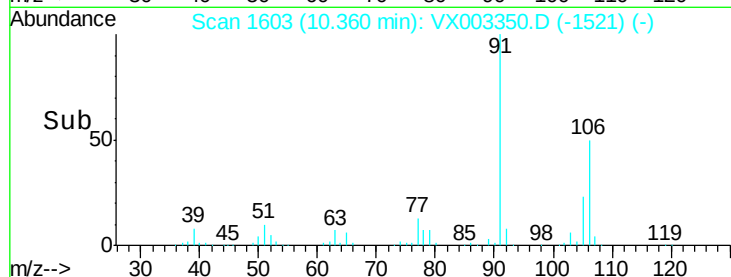
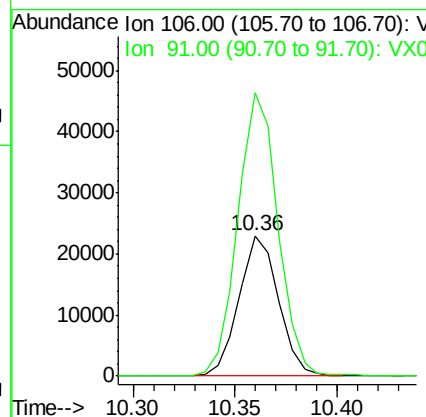
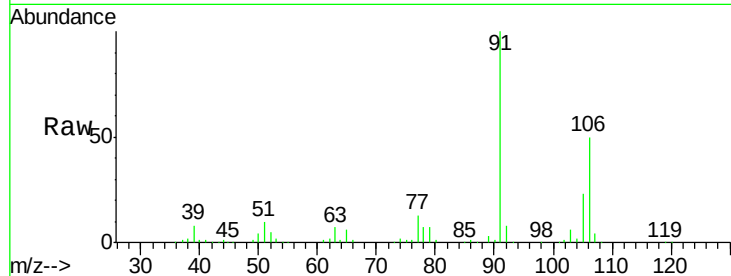
#67
m/p-Xylenes
Concen: 4.675 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:106 Resp: 30929
Ion Ratio Lower Upper
106 100
91 204.9 164.1 246.1

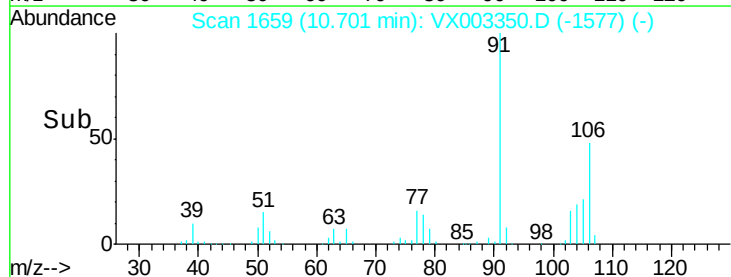
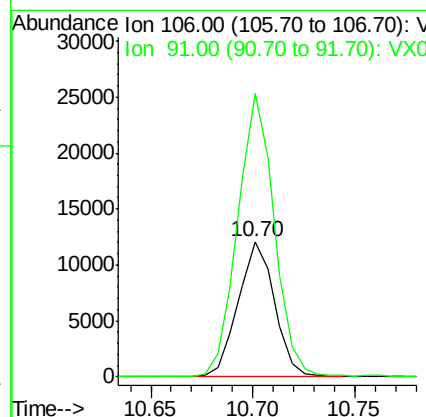
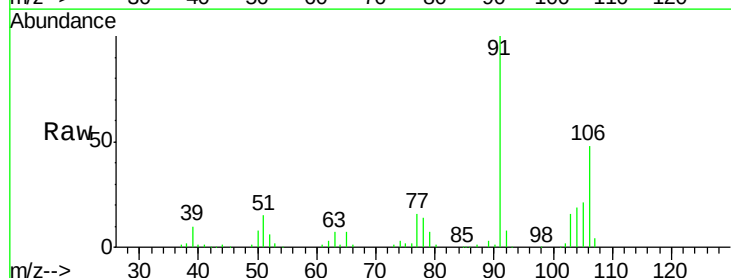
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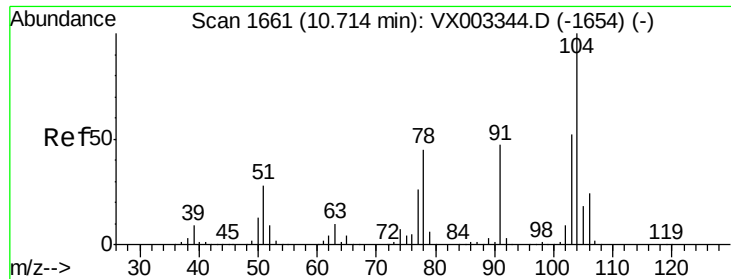
MMDadoda
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#68
o-Xylene
Concen: 2.348 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion:106 Resp: 14942
Ion Ratio Lower Upper
106 100
91 210.5 109.1 327.3





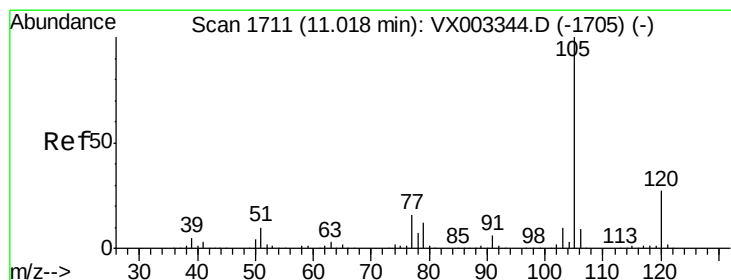
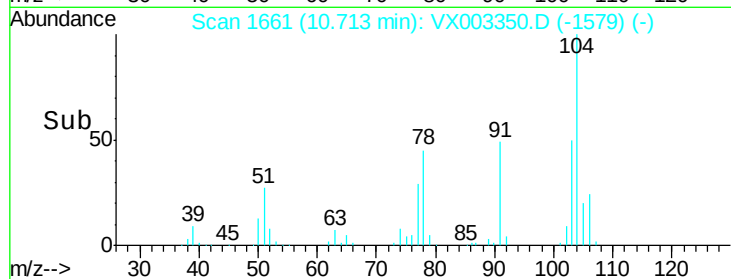
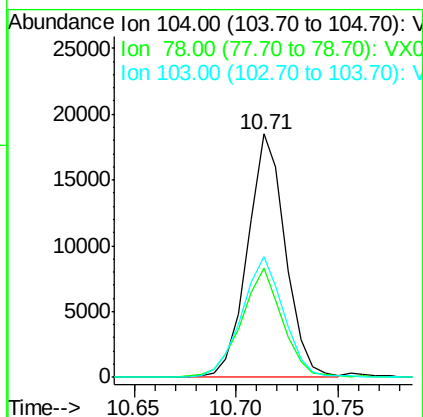
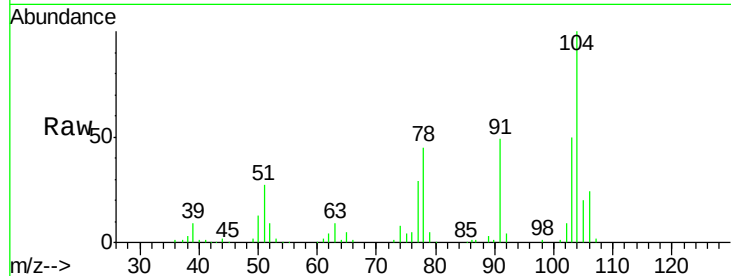
#69
Stvrene
Concen: 2.255 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	41.8	62.8
103	54.7	44.9	67.3

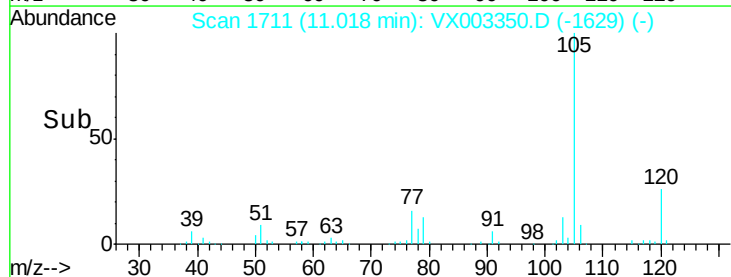
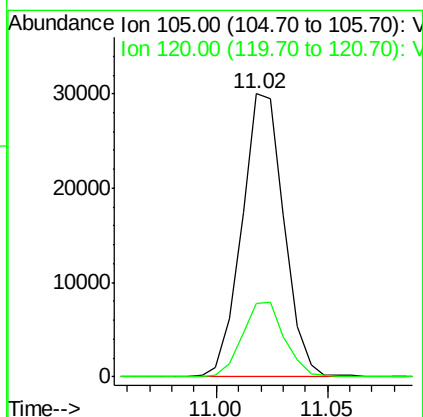
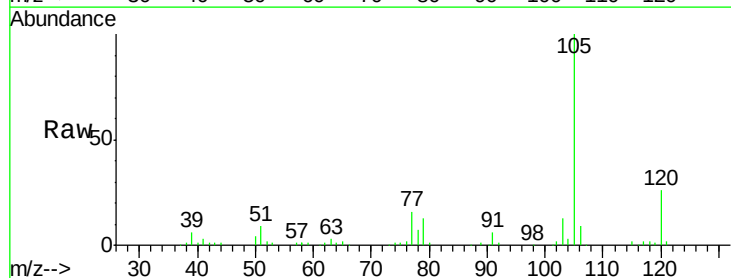
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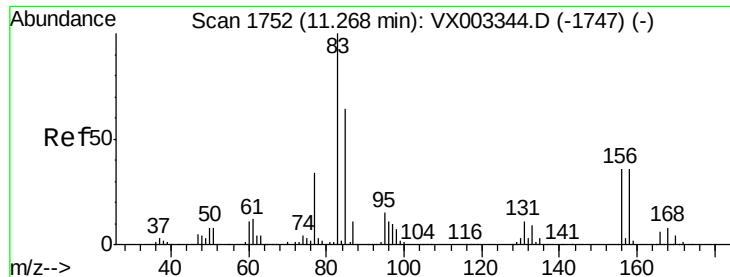
MMDadoda
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#70
Isopropylbenzene
Concen: 2.349 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	19.0	35.2





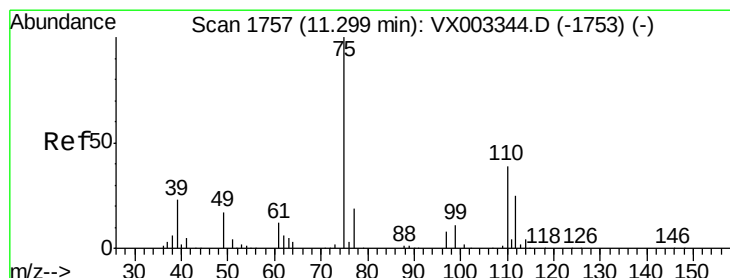
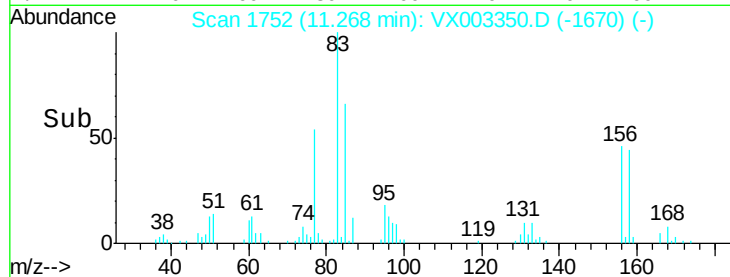
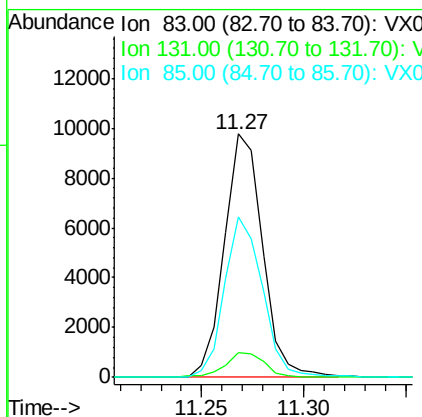
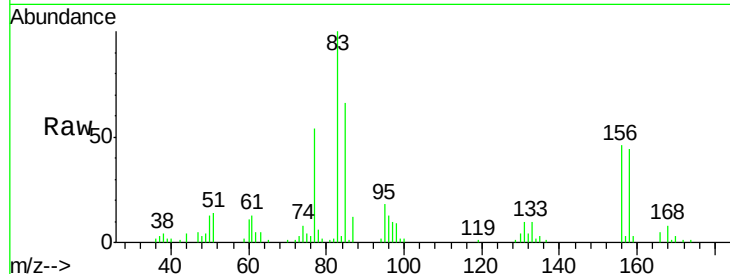
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.400 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
83	100	12704		
131	10.4	5.4	16.2	
85	65.6	32.4	97.2	

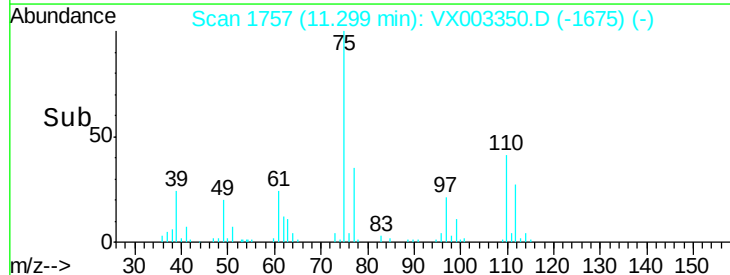
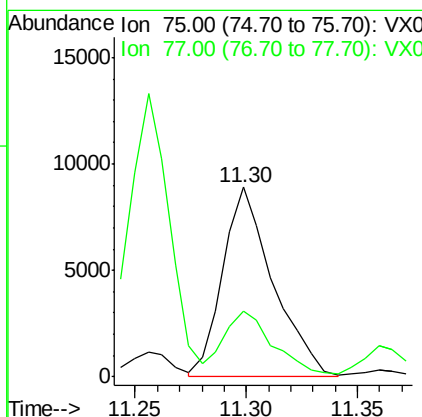
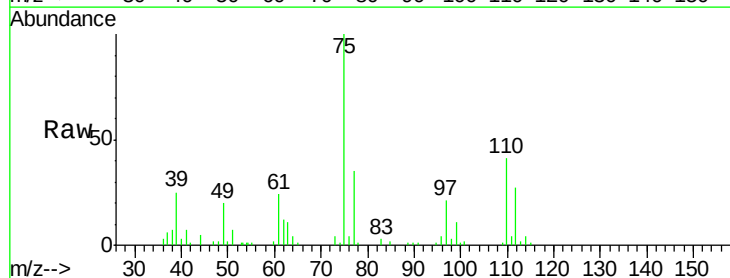
Manual Integrations
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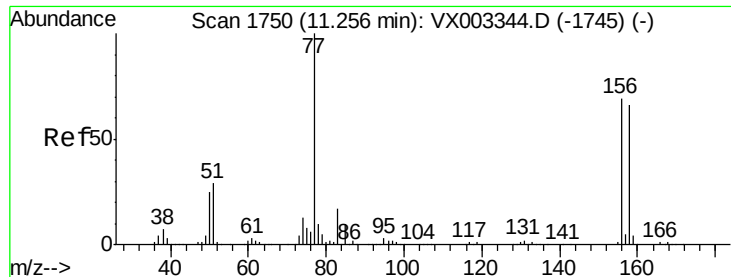
MMDadoda
 7/13/2018 11:35:52 AM



#72
 1,2,3-Trichloropropane
 Concen: 2.268 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14042		
77	35.0	0.0	71.8	





#73

Bromobenzene

Concen: 2.459 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

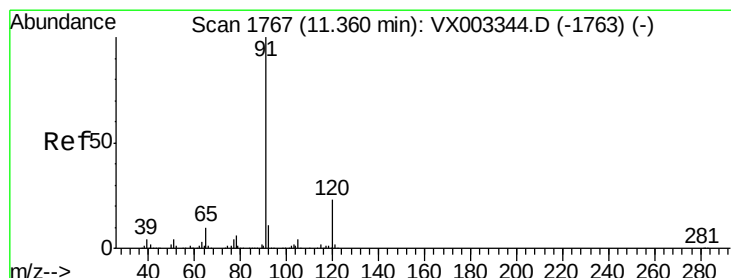
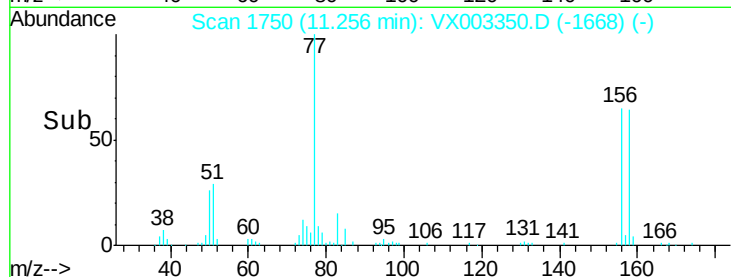
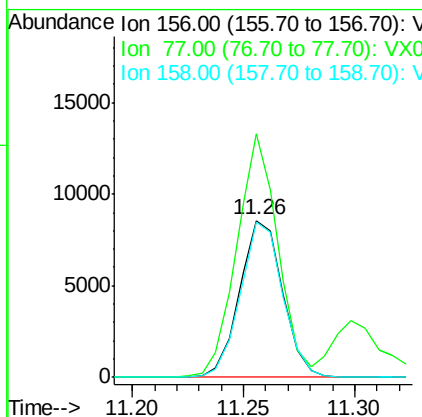
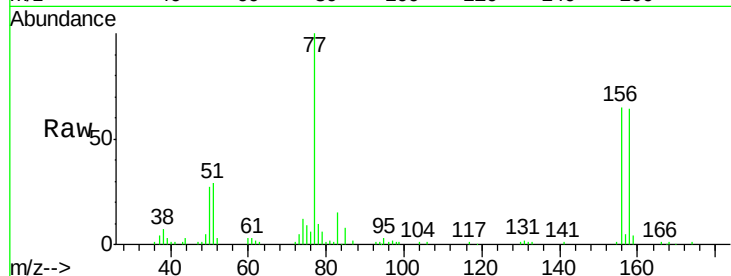
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		11534		
77	147.9	0.0	301.0		
158	97.4	0.0	196.2		

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#74

n-propylbenzene

Concen: 2.341 ug/l

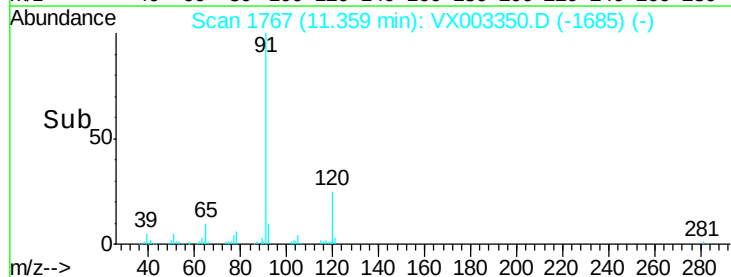
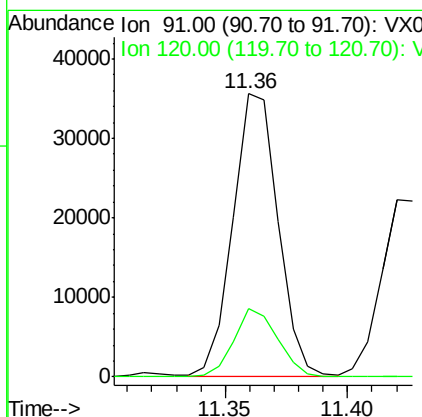
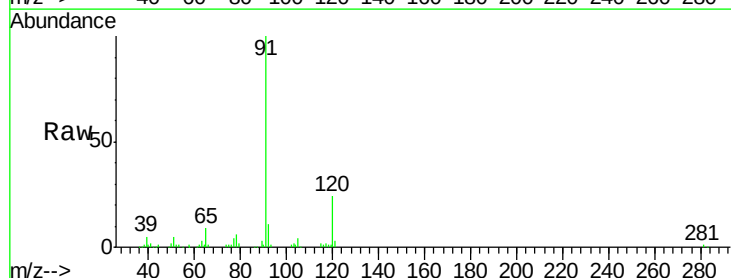
RT: 11.36 min Scan# 1767

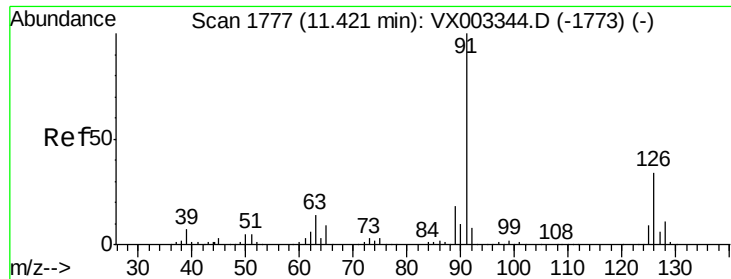
Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		46026		
120	23.2	0.0	46.2		





#75

2-Chlorotoluene

Concen: 2.528 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 29721

Ion Ratio Lower Upper

91 100

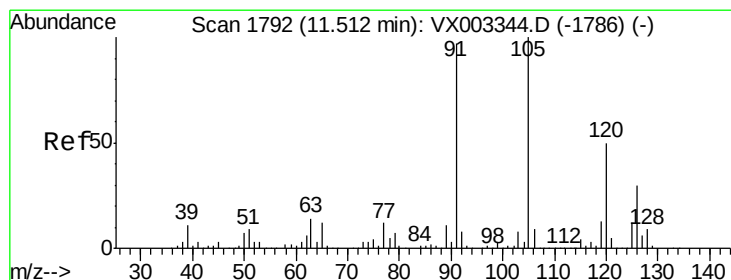
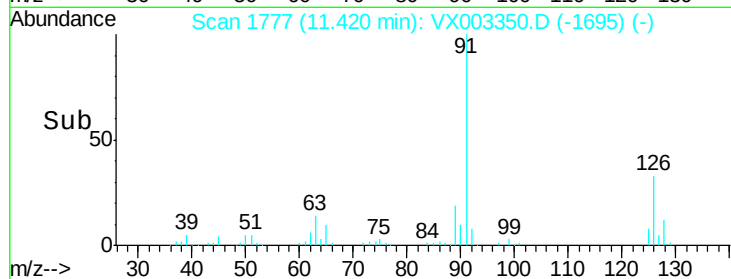
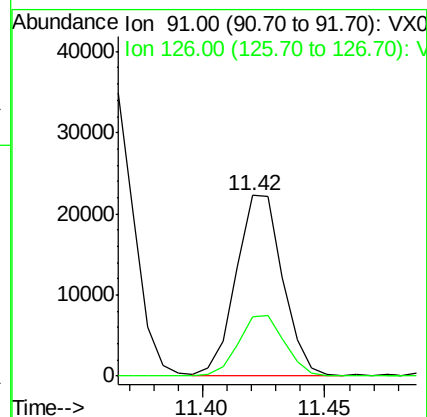
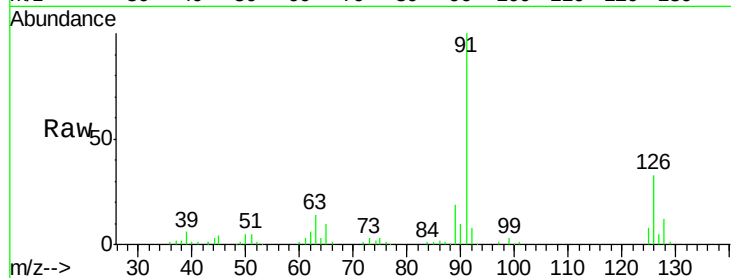
126 33.2 0.0 69.4

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#76

1,3,5-Trimethylbenzene

Concen: 2.225 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003350.D

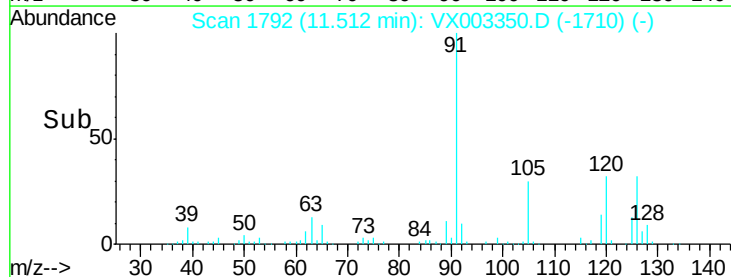
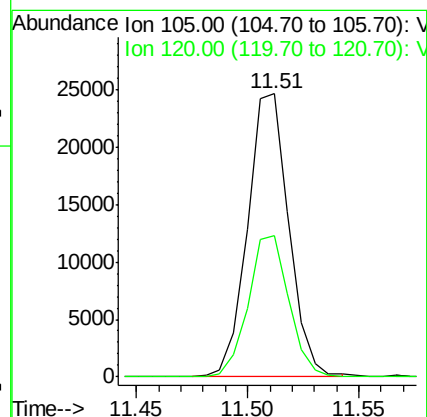
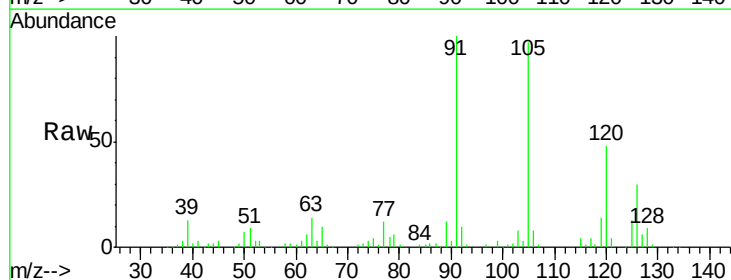
Acq: 12 Jul 2018 14:43

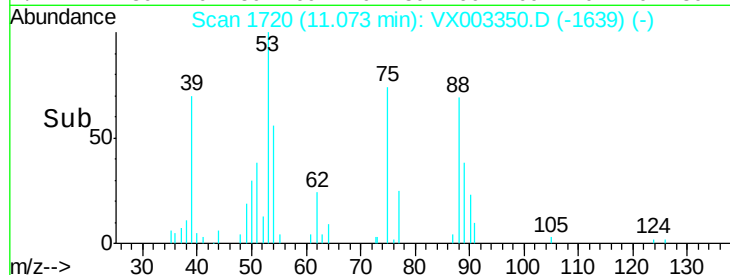
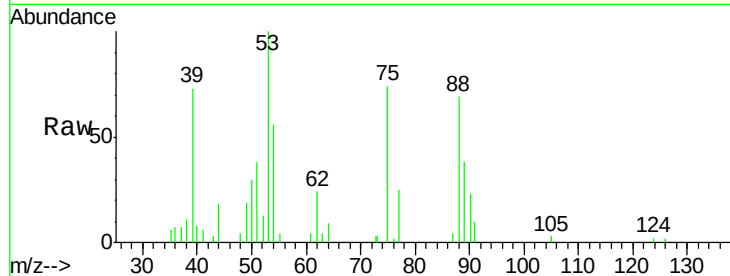
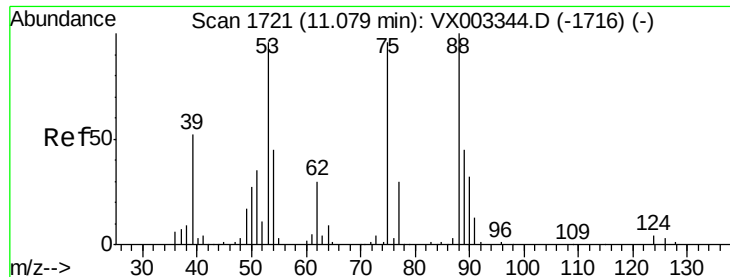
Tgt Ion: 105 Resp: 31780

Ion Ratio Lower Upper

105 100

120 49.5 0.0 96.8





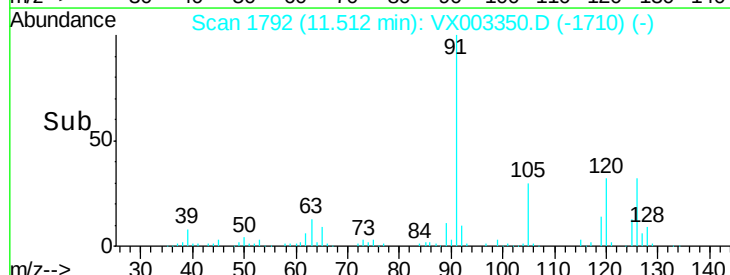
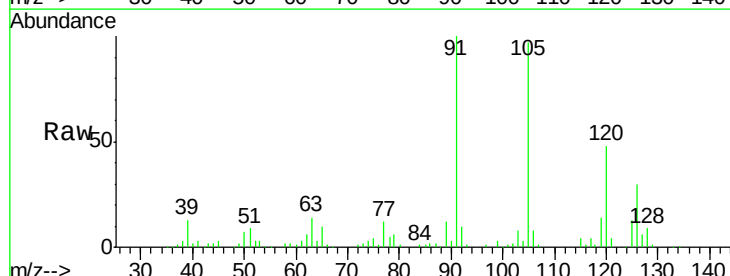
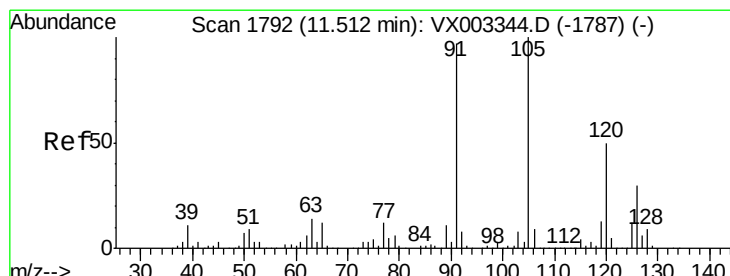
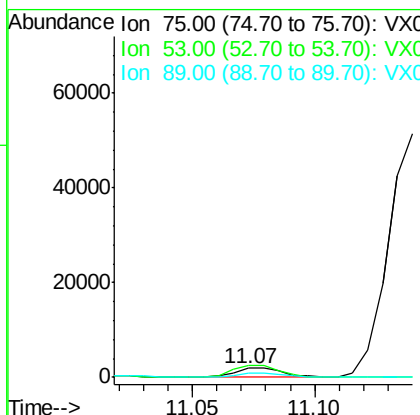
#77
t-1,4-Dichloro-2-butene
Concen: 1.767 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tot Ion	Ratio	Lower	Upper
75	100		
53	134.8	48.3	144.9
89	50.6	21.8	65.4

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

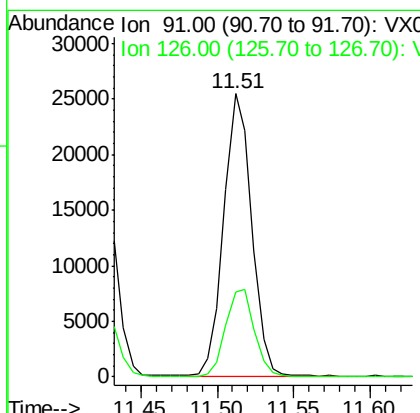
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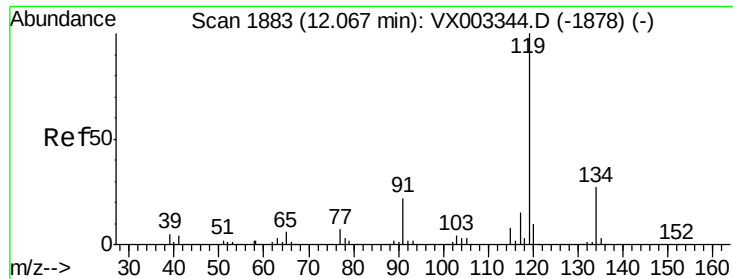
MMDadoda
7/13/2018 11:35:52 AM



#78
4-Chlorotoluene
Concen: 2.373 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	0.0	61.0





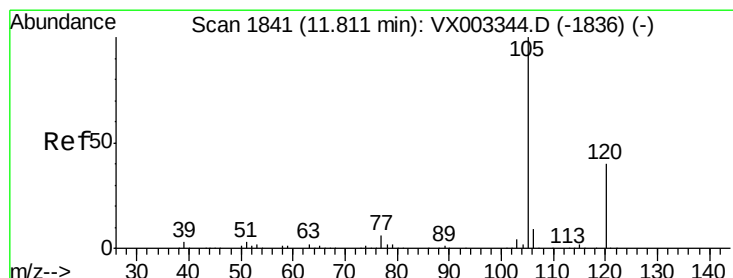
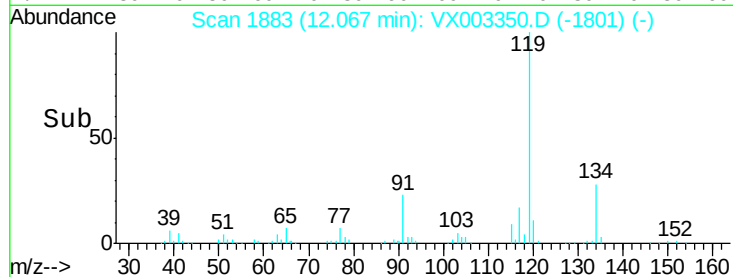
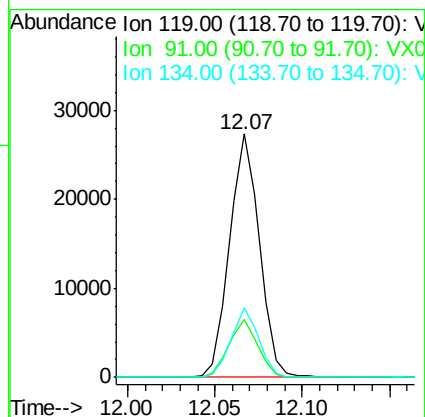
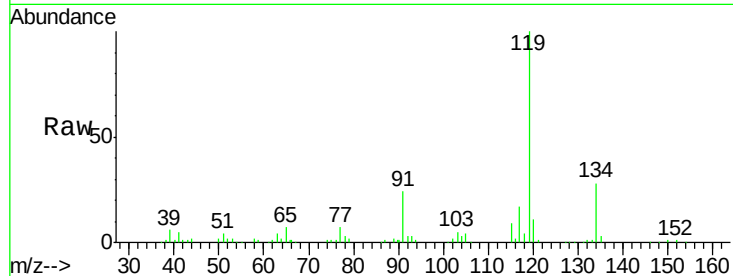
#79
tert-butylbenzene
Concen: 2.147 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
119	100		
91	23.3	0.0	48.0
134	26.6	0.0	52.6

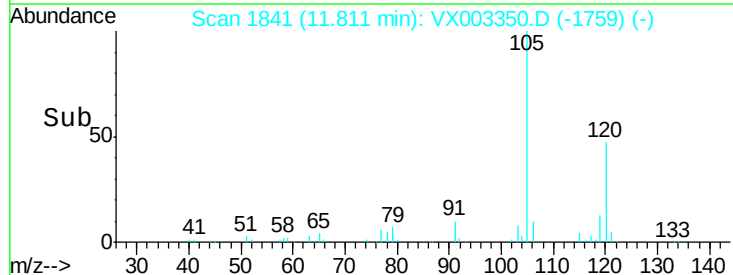
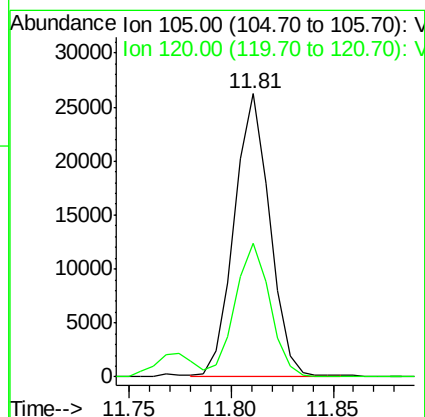
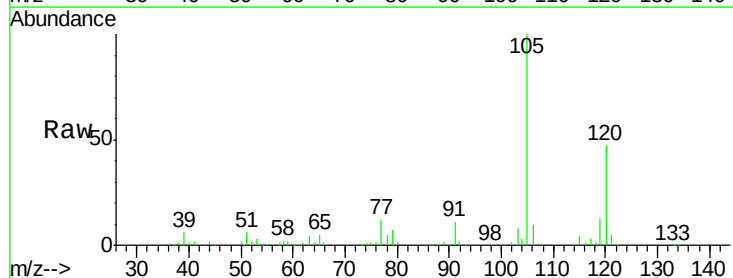
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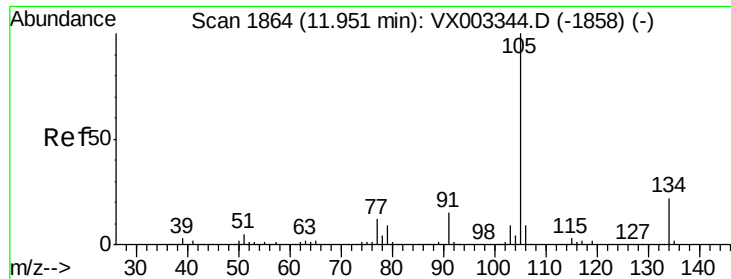
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.175 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003350.D
Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	89.2





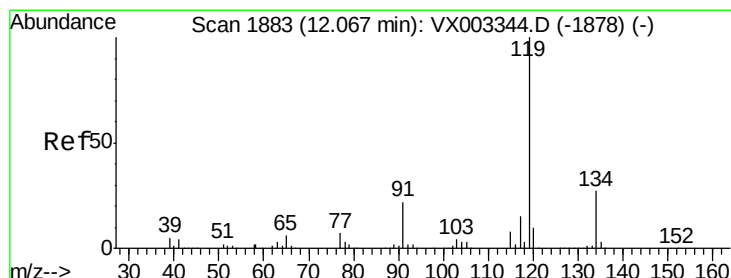
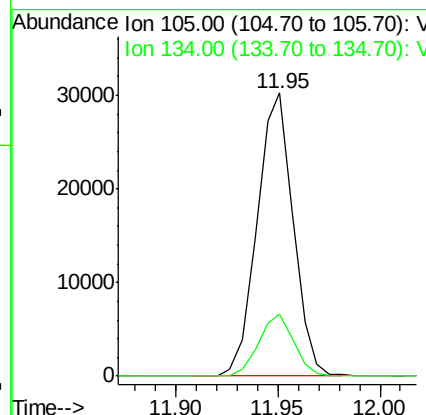
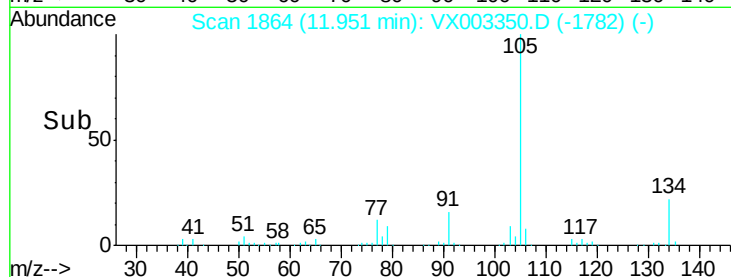
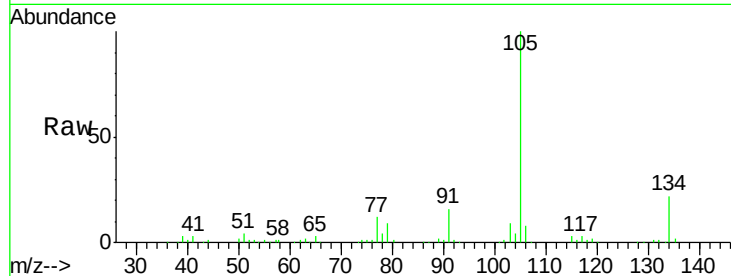
#81
 sec-Butylbenzene
 Concen: 2.204 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 37232
 Ion Ratio Lower Upper
 105 100
 134 21.3 0.0 41.6

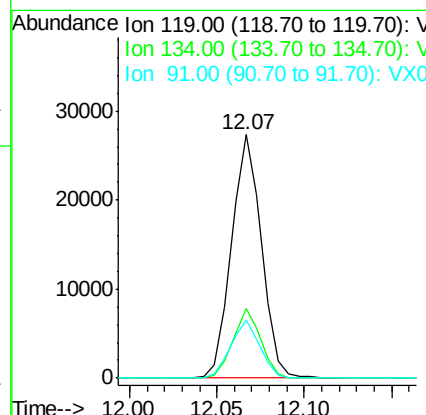
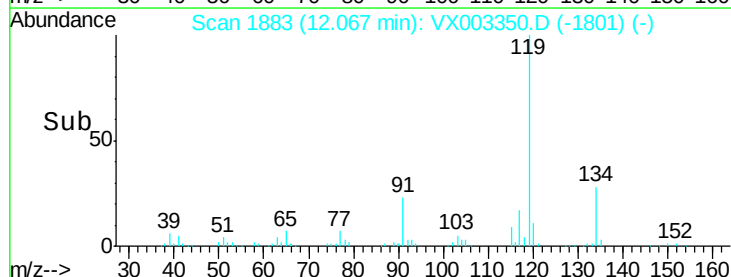
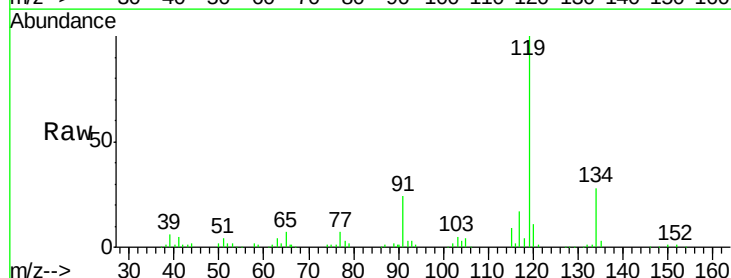
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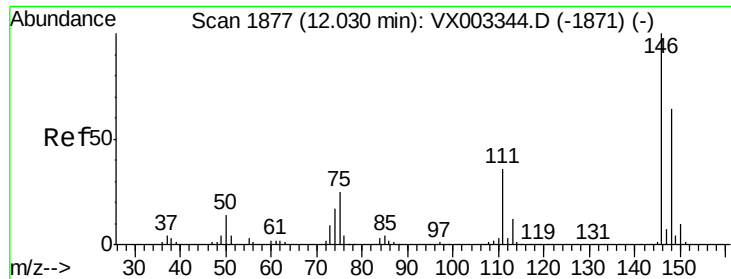
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#82
 p-Isopropyltoluene
 Concen: 2.147 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion:119 Resp: 32475
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 23.3 0.0 48.0





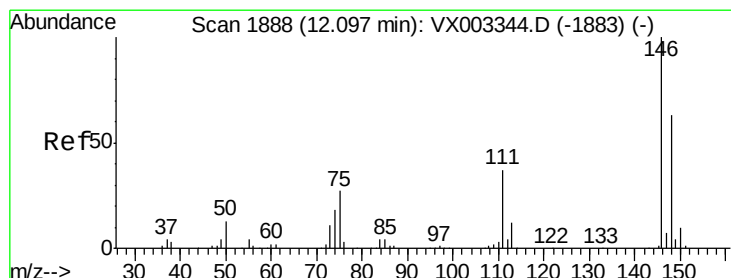
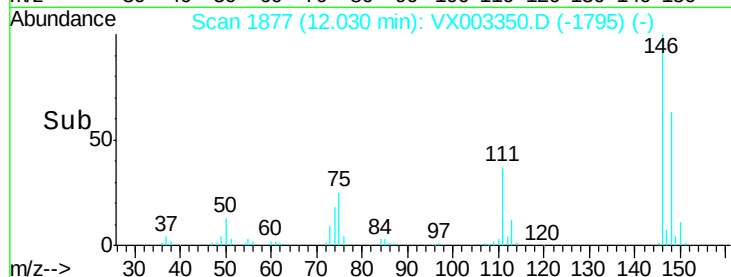
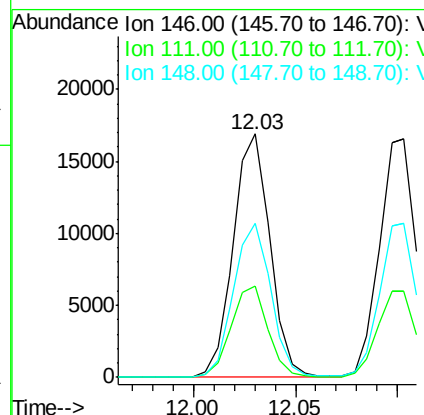
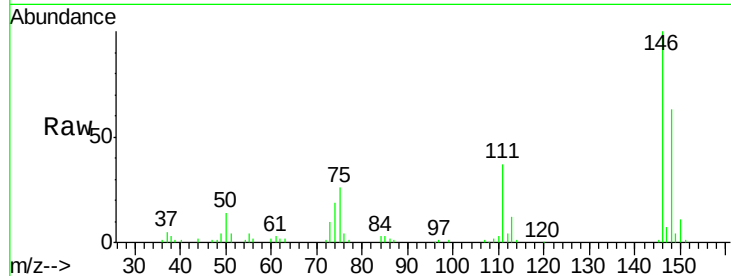
#83
 1,3-Dichlorobenzene
 Concen: 2.432 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	64.1	31.9	95.7

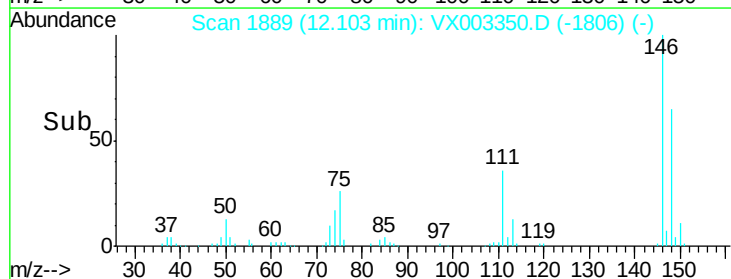
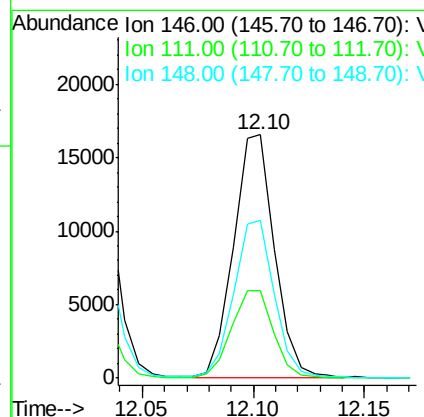
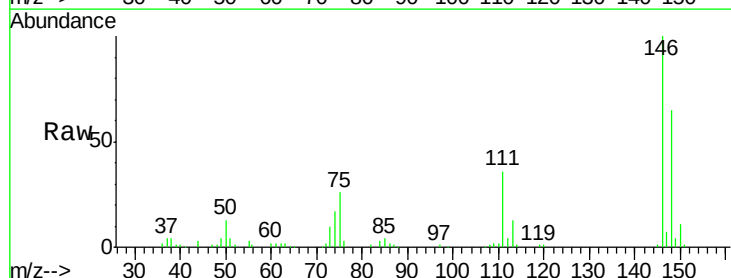
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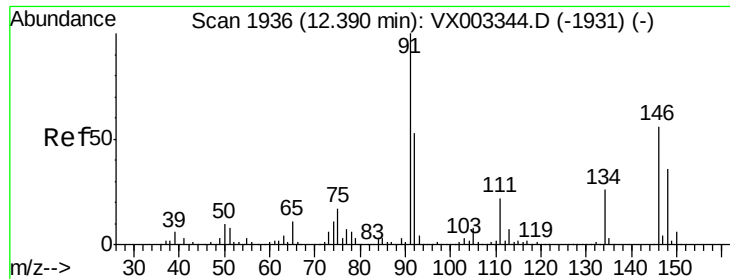
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 7/13/2018 11:35:52 AM



#84
 1,4-Dichlorobenzene
 Concen: 2.400 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	65.2	32.0	96.0





#85

n-Butylbenzene

Concen: 2.027 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

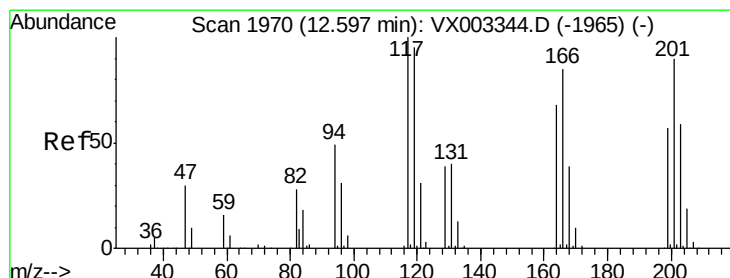
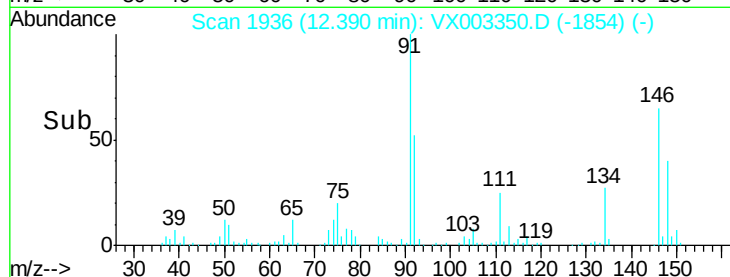
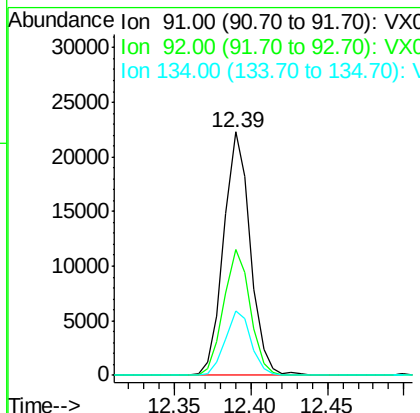
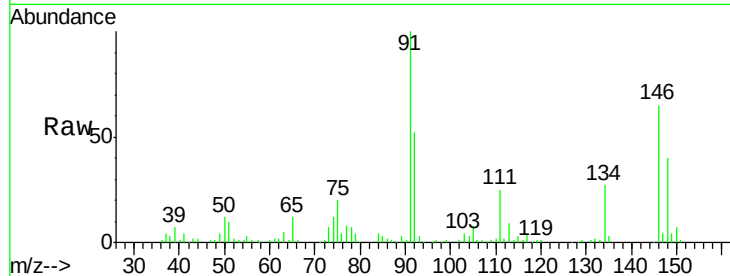
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	91	Resp:	26915
Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	105.2
134	25.7	0.0	53.2

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#86

Hexachloroethane

Concen: 2.010 ug/l

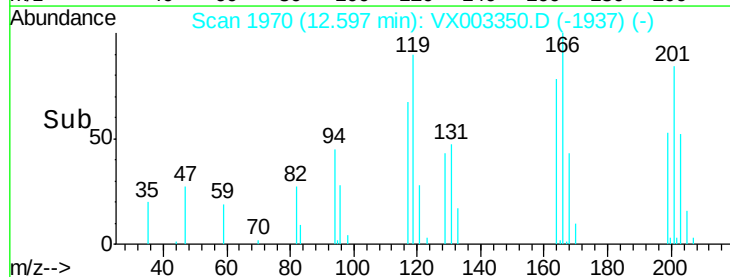
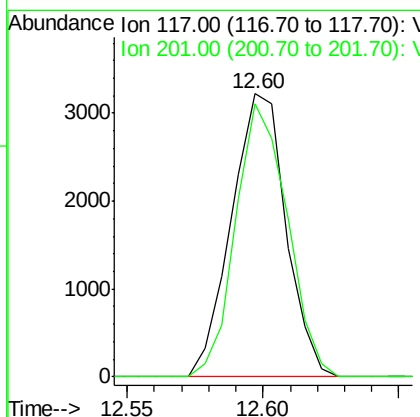
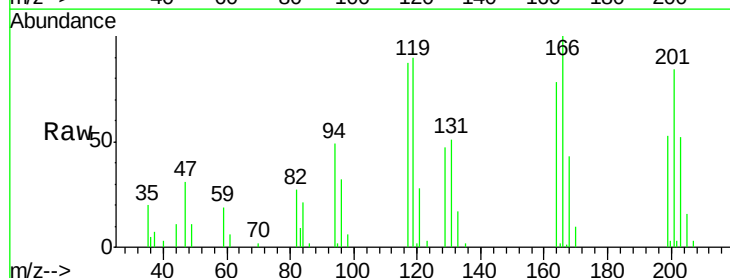
RT: 12.60 min Scan# 1970

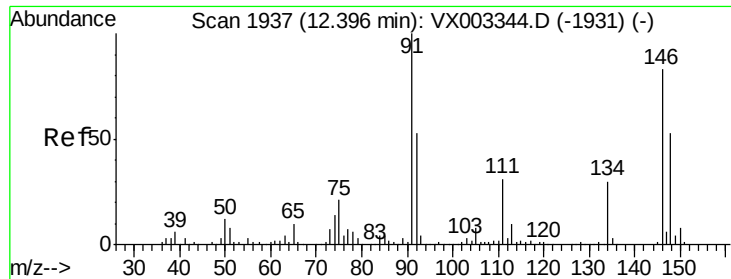
Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	117	Resp:	4476
Ion	Ratio	Lower	Upper
117	100		
201	91.5	47.6	142.8





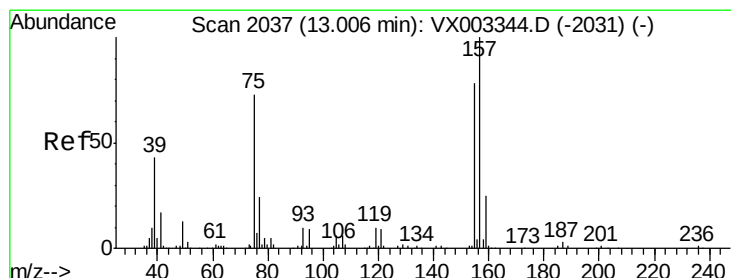
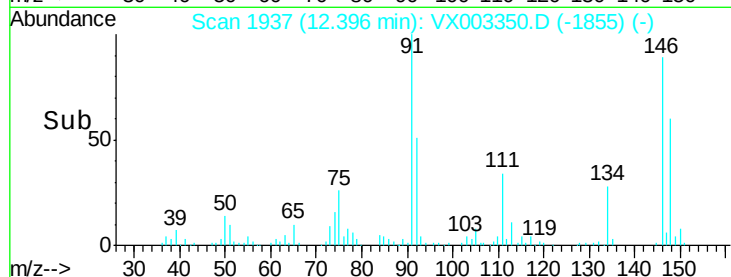
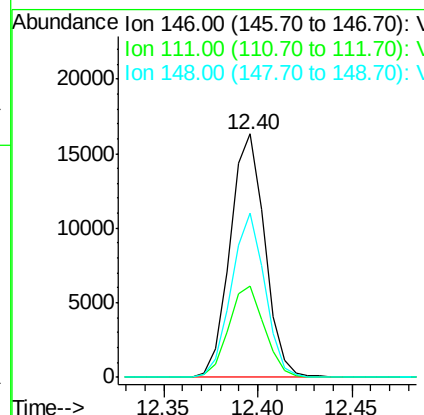
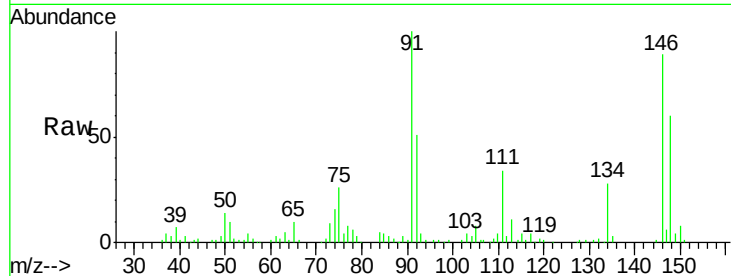
#87
 1,2-Dichlorobenzene
 Concen: 2.403 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	59.9
148	65.1	32.8	98.3

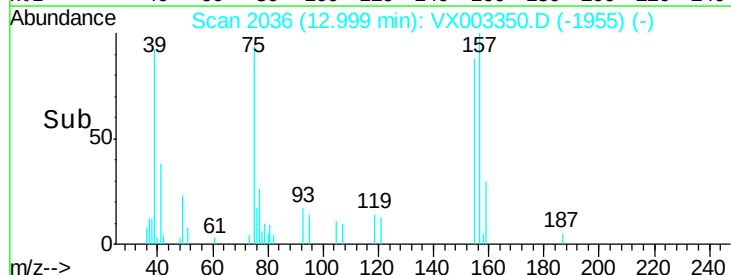
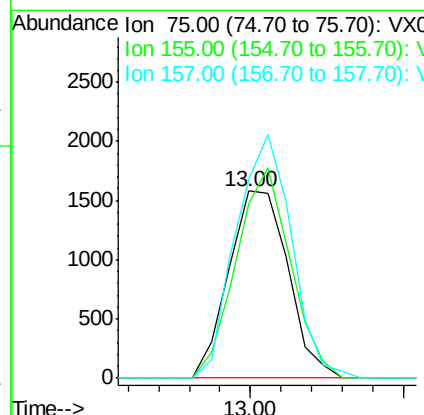
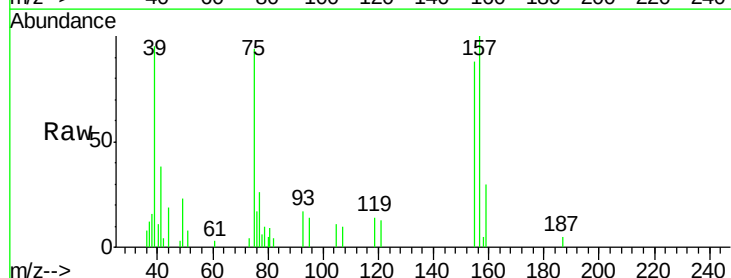
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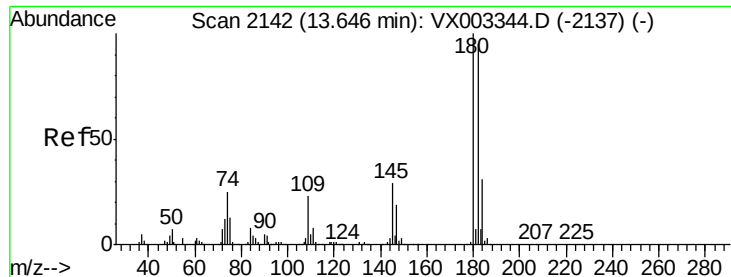
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.930 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003350.D
 Acq: 12 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.3	73.1	109.7
157	121.8	93.1	139.7





#89

1,2,4-Trichlorobenzene

Concen: 2.291 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

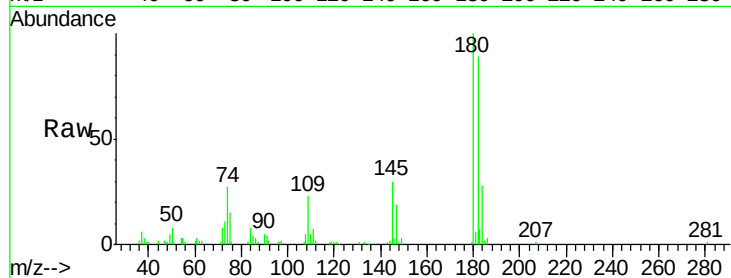
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

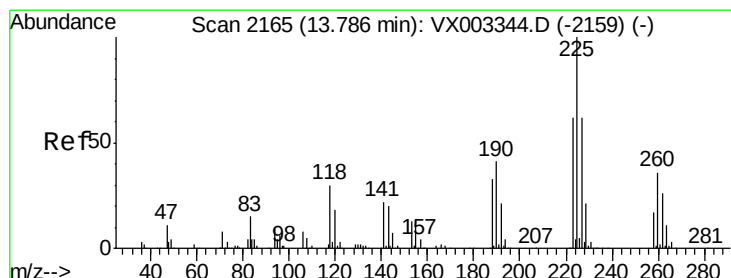
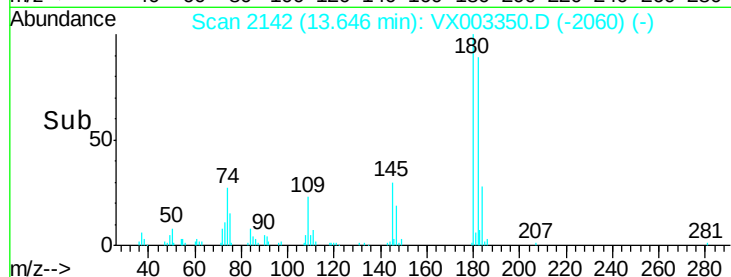
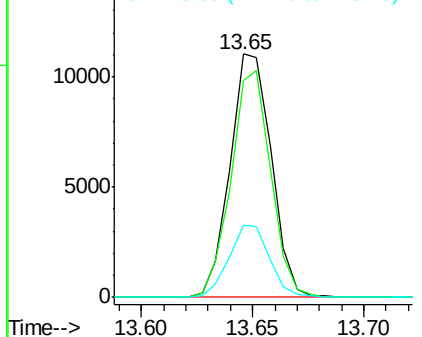
Tot Ion:	180	Resp:	14291
Ion Ratio	Lower	Upper	
180	100		
182	89.5	76.4	114.6
145	29.2	22.9	34.3

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 2.151 ug/l

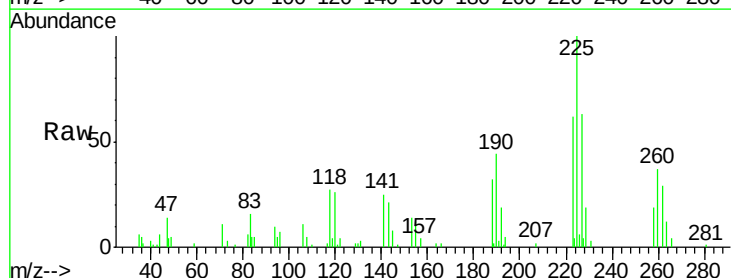
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

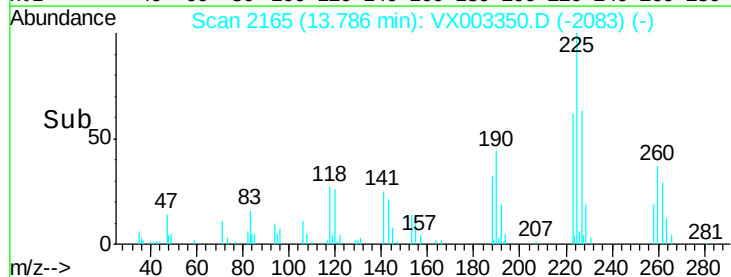
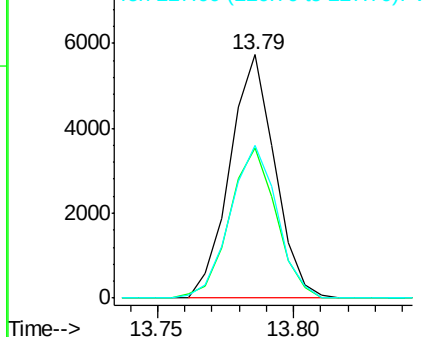
Lab File: VX003350.D

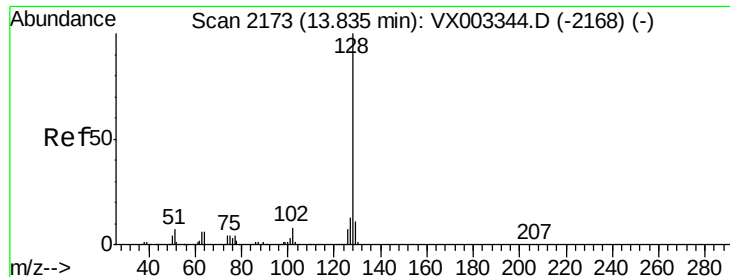
Acq: 12 Jul 2018 14:43

Tgt Ion:	225	Resp:	6574
Ion Ratio	Lower	Upper	
225	100		
223	63.7	0.0	122.4
227	65.3	0.0	128.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 1.949 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Instrument :

MSVOA_X

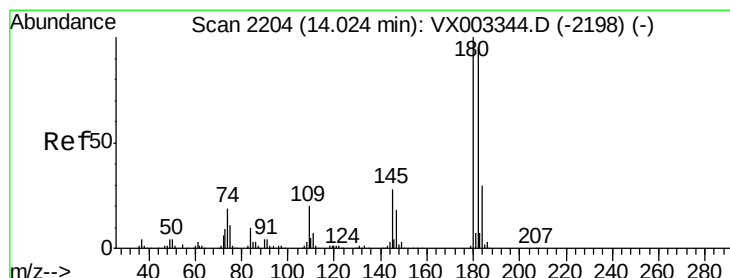
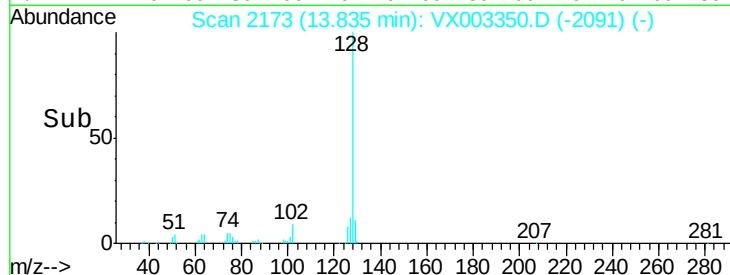
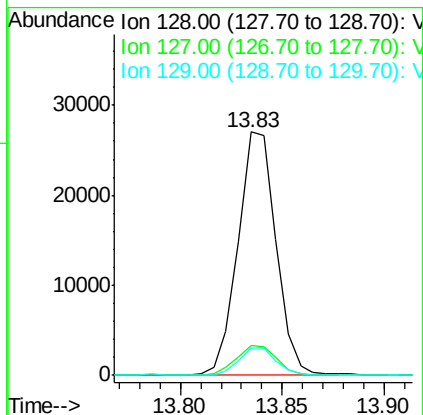
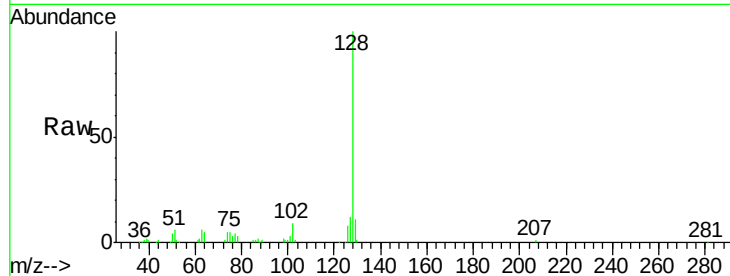
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	128	Resp:	35062
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 2.204 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003350.D

Acq: 12 Jul 2018 14:43

Tgt Ion:	180	Resp:	13939
Ion Ratio	Lower	Upper	
180	100		
182	97.4	0.0	191.0
145	30.4	0.0	60.6

