

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001263.D
 Acq On : 30 Apr 2018 19:39
 Operator : JC/MD
 Sample : J2133-09 MDL 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 11:08:08 AM

Quant Time: May 01 09:24:53 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33971	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	189369	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	175434	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76848	31.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.53%
60) 4-Bromofluorobenzene	11.14	95	80017	27.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.73%
63) Toluene-d8	8.72	98	228629	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	4095	1.84	ug/l	93
3) Chloromethane	1.32	50	5358	2.58	ug/l	95
4) Vinyl Chloride	1.40	62	5264	2.41	ug/l	93
5) Bromomethane	1.65	94	4953	3.01	ug/l	93
6) Chloroethane	1.73	64	3449	2.59	ug/l #	84
7) Trichlorofluoromethane	1.93	101	8926	2.46	ug/l	94
8) Diethyl Ether	2.19	74	3262	2.59	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5172	2.52	ug/l	91
10) 1,1-Dichloroethene	2.38	96	4892	2.63	ug/l	85
11) Methyl Iodide	2.51	142	3830	1.69	ug/l	93
12) Methyl Acetate	2.78	43	6977	2.85	ug/l	99
13) Acrolein	2.29	56	4747	16.27	ug/l	92
14) Acrylonitrile	3.15	53	14415	14.80	ug/l	99
15) Acetone	2.45	58	4696	15.50	ug/l	99
16) Carbon Disulfide	2.57	76	11411	2.31	ug/l #	90
17) Allyl chloride	2.73	41	8536	2.59	ug/l	96
18) Methylene Chloride	2.86	84	5695	2.81	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	5465	2.72	ug/l	96
20) Diisopropyl ether	3.88	45	15605	2.40	ug/l #	96
21) 1,1-Dichloroethane	3.70	63	8952	2.56	ug/l	96
22) cis-1,2-Dichloroethene	4.60	96	5601	2.50	ug/l	93
23) tert-Butyl Alcohol	3.07	59	6470	16.26	ug/l #	99
24) Methyl tert-Butyl Ether	3.21	73	17450	2.73	ug/l #	86
25) Chloroform	5.22	83	9278	2.44	ug/l	99
26) Cyclohexane	5.57	56	7754	2.44	ug/l #	91
29) 1,1-Dichloropropene	5.81	75	6913	2.46	ug/l	88
30) 2-Butanone	4.71	43	20714	14.41	ug/l #	94
31) 2,2-Dichloropropane	4.59	77	6776	2.21	ug/l #	89
32) 1,1,1-Trichloroethane	5.51	97	7867	2.32	ug/l #	88
33) Carbon Tetrachloride	5.79	117	6491	2.12	ug/l	96
34) Benzene	6.15	78	20264	2.44	ug/l	99
35) Methacrylonitrile	5.07	41	4317	2.71	ug/l	82
36) 1,2-Dichloroethane	6.21	62	8453	2.65	ug/l	97
37) Trichloroethene	7.22	130	6214	2.47	ug/l	98
38) Methylcyclohexane	7.47	83	7803	2.36	ug/l	95
39) 1,2-Dichloropropane	7.52	63	5301	2.51	ug/l	98
40) Dibromomethane	7.67	93	3612	2.44	ug/l	85

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

41) Bromodichloromethane	7.90	83	6196	2.21	ug/l #	95
42) Vinyl Acetate	3.83	43	64862	11.47	ug/l	98
43) Ethyl Acetate	4.87	43	8122	2.93	ug/l #	72
44) Isopropyl Acetate	6.48	43	11365	2.41	ug/l	99
45) 1,4-Dioxane	7.76	88	2623	61.25	ug/l	93
46) Methyl methacrylate	7.79	41	6089	2.48	ug/l	87
47) n-amyl Acetate	10.90	43	8303	1.84	ug/l	91
48) t-1,3-Dichloropropene	8.44	75	6309	1.91	ug/l	95
49) cis-1,3-Dichloropropene	9.05	75	5296	1.68	ug/l	90
50) 1,1,2-Trichloroethane	9.22	97	5329	2.42	ug/l	96
51) Ethyl methacrylate	9.19	69	6819	2.17	ug/l	93
52) 1,3-Dichloropropane	9.38	76	8726	2.45	ug/l	100
53) Dibromochloromethane	9.59	129	4445	1.83	ug/l	92
54) 1,2-Dibromoethane	9.68	107	5336	2.26	ug/l	96
55) 2-Chloroethyl vinyl ether	8.32	63	16442	10.69	ug/l	100
56) Bromoform	10.86	173	3357	1.69	ug/l #	96
58) 4-Methyl-2-Pentanone	8.66	43	36415	12.51	ug/l	99
59) 2-Hexanone	9.51	43	27202	11.99	ug/l	96
61) Tetrachloroethene	9.34	164	6983	2.60	ug/l	90
62) Toluene	8.79	91	23198	2.46	ug/l	98
64) Chlorobenzene	10.14	112	15104	2.37	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	4815	2.07	ug/l	96
66) Ethyl Benzene	10.26	91	24377	2.32	ug/l	96
67) m/p-Xylenes	10.37	106	18546	4.44	ug/l	99
68) o-Xylene	10.70	106	9189	2.27	ug/l	97
69) Styrene	10.72	104	13644	2.03	ug/l	95
70) Isopropylbenzene	11.02	105	24728	2.25	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	7736	2.40	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	7371m	2.56	ug/l	
73) Bromobenzene	11.26	156	7621	2.39	ug/l	95
74) n-propylbenzene	11.37	91	27177	2.19	ug/l	99
75) 2-Chlorotoluene	11.43	91	16992	2.27	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	20053	2.14	ug/l	66
77) t-1,4-Dichloro-2-butene	11.08	75	1200	1.40	ug/l #	53
78) 4-Chlorotoluene	11.52	91	18847	2.11	ug/l	97
79) tert-butylbenzene	12.07	119	21219	2.12	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	20619	2.17	ug/l	96
81) sec-Butylbenzene	11.95	105	23737	2.19	ug/l	99
82) p-Isopropyltoluene	12.07	119	21219	2.12	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	13023	2.24	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	13297	2.24	ug/l	97
85) n-Butylbenzene	12.39	91	17289	2.00	ug/l	100
86) Hexachloroethane	12.60	117	2879	1.88	ug/l	79
87) 1,2-Dichlorobenzene	12.40	146	13204	2.28	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.01	75	1301	1.93	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	9245	2.11	ug/l	98
90) Hexachlorobutadiene	13.79	225	5050	2.48	ug/l	95
91) Naphthalene	13.84	128	24925	2.19	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	9741	2.25	ug/l	99

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ClientSampleId :
MDL-WATER-03-QT2-2018

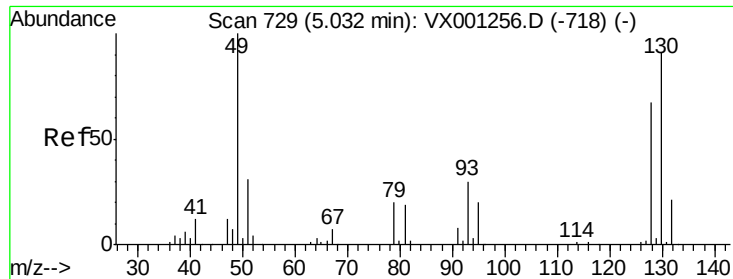
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



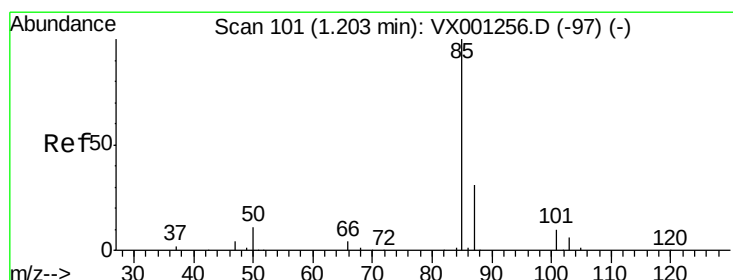
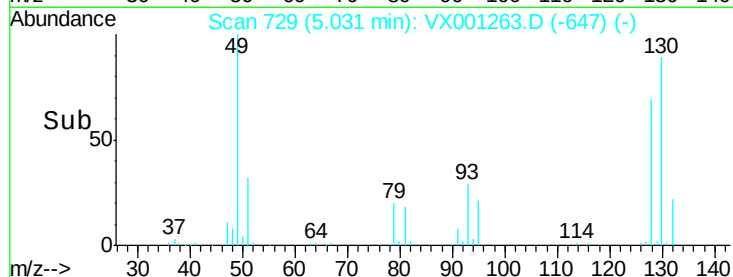
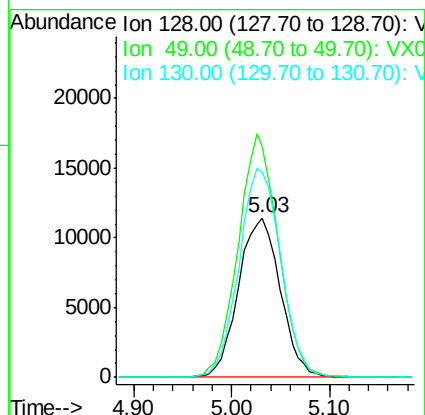
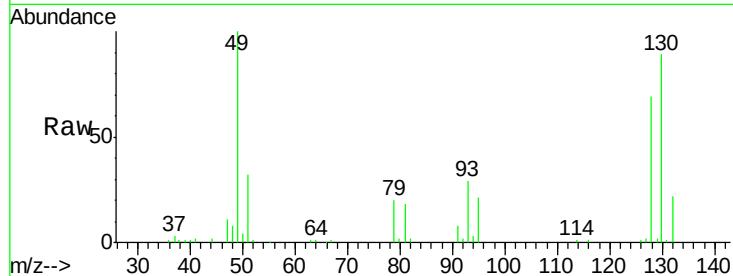
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
128	100		
49	146.8	0.0	378.3
130	131.3	0.0	324.3

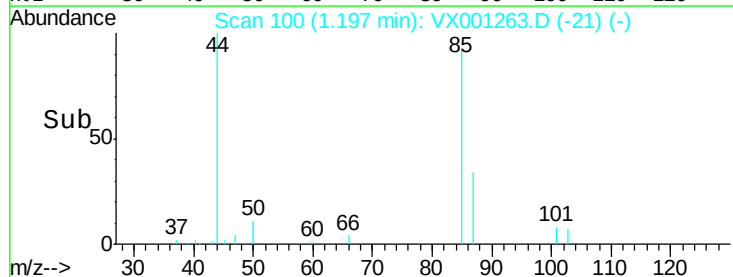
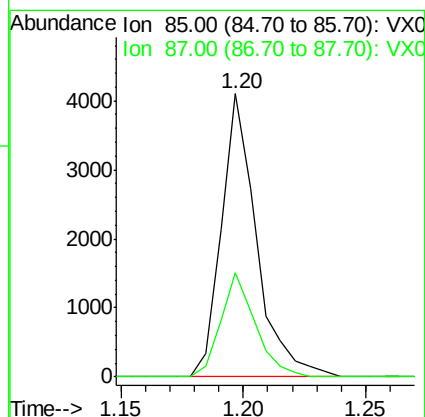
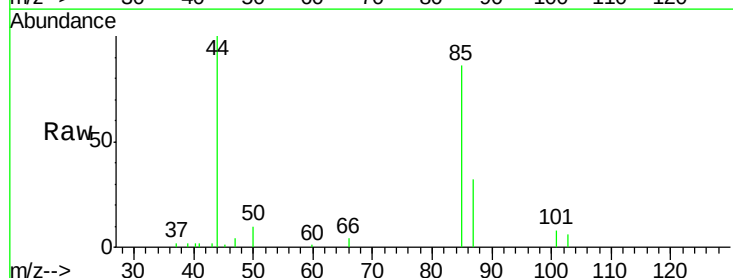
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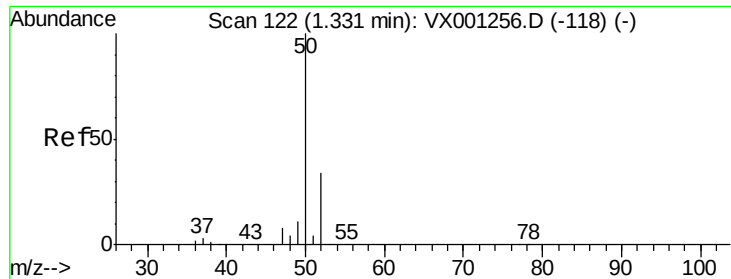
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#2
Dichlorodifluoromethane
Concen: 1.84 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.9	16.6	49.7





#3

Chloromethane

Concen: 2.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 50 Resp: 5358

Ion Ratio Lower Upper

50 100

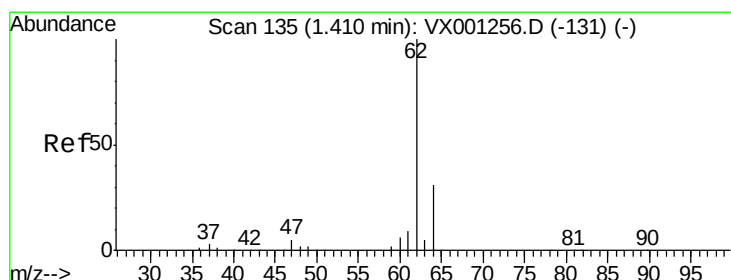
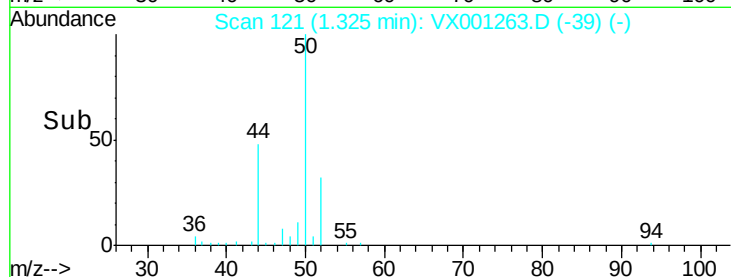
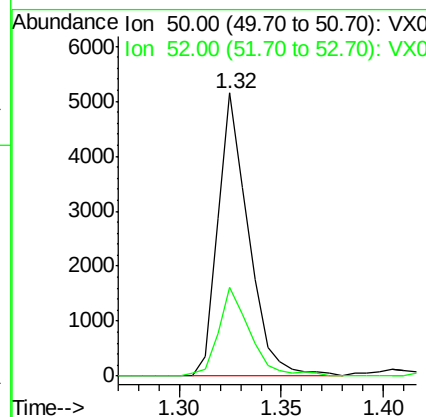
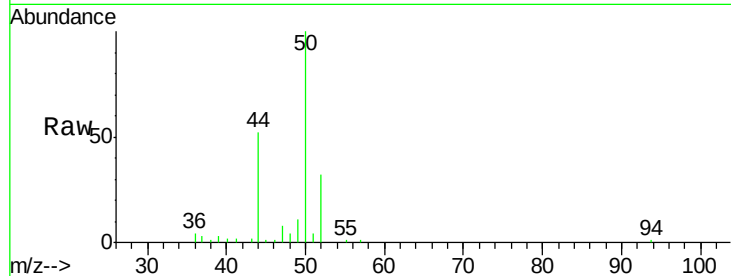
52 31.5 27.8 41.6

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#4

Vinyl Chloride

Concen: 2.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001263.D

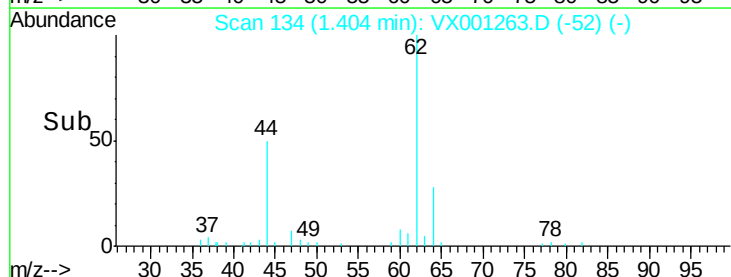
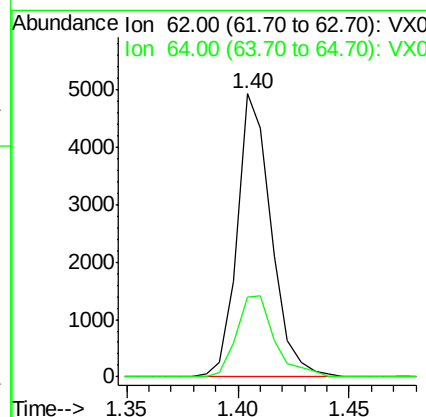
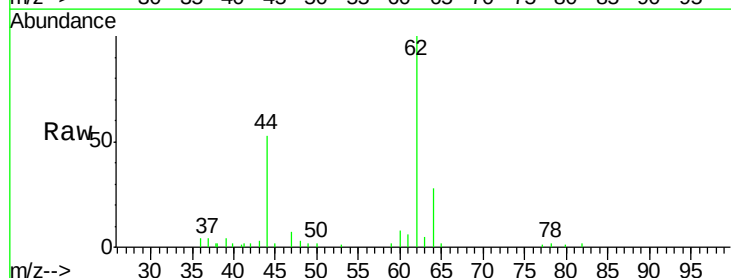
Acq: 30 Apr 2018 19:39

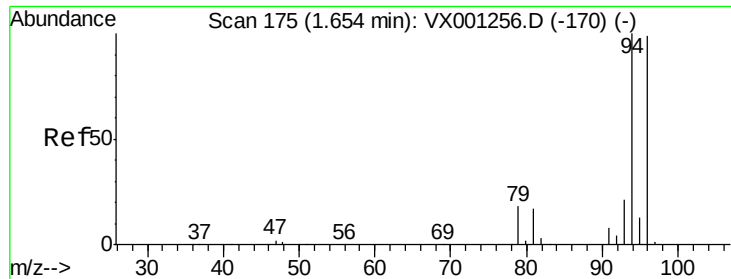
Tgt Ion: 62 Resp: 5264

Ion Ratio Lower Upper

62 100

64 28.3 26.0 39.0





#5

Bromomethane

Concen: 3.01 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 94 Resp: 4953

Ion Ratio Lower Upper

94 100

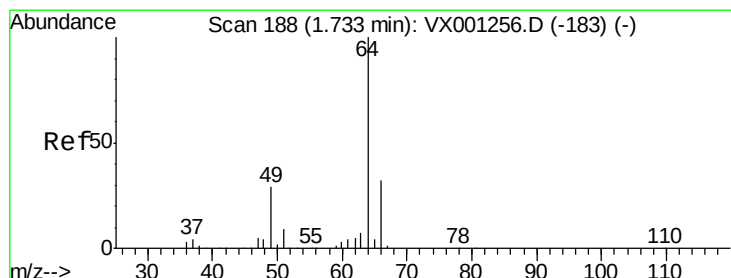
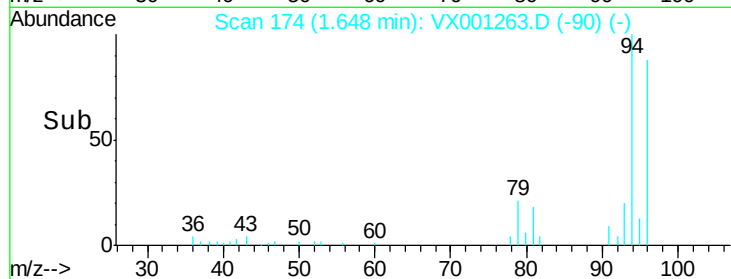
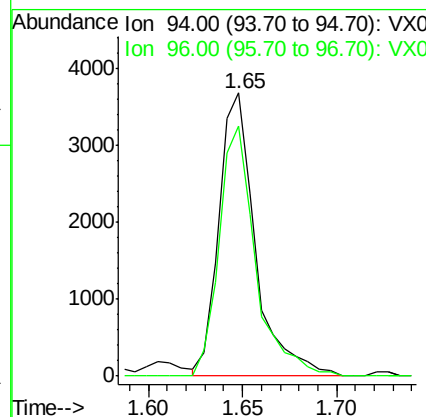
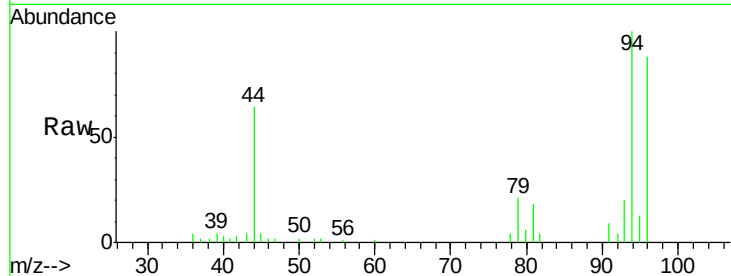
96 88.2 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 2.59 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001263.D

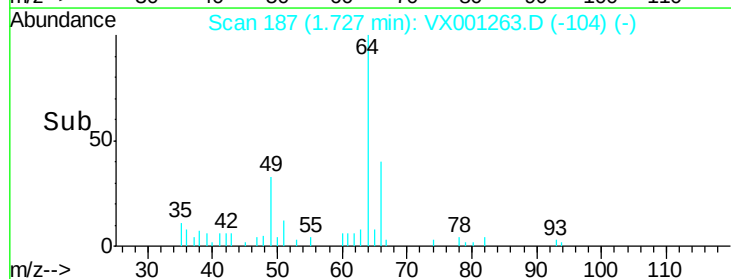
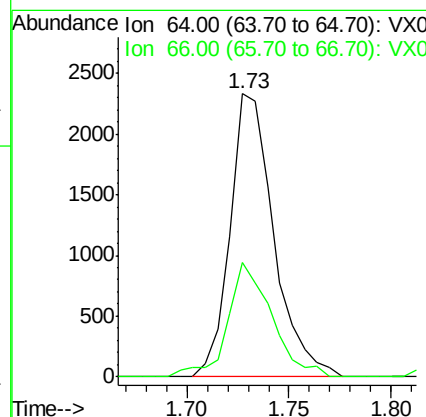
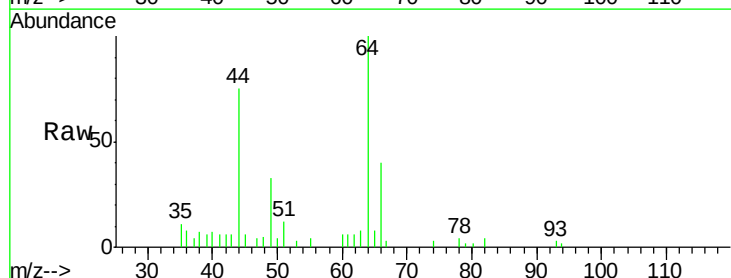
Acq: 30 Apr 2018 19:39

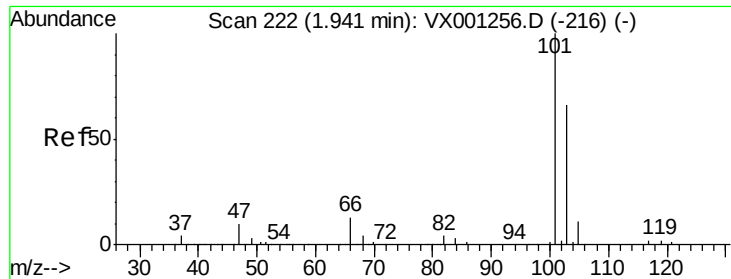
Tgt Ion: 64 Resp: 3449

Ion Ratio Lower Upper

64 100

66 40.2 25.2 37.8#





#7

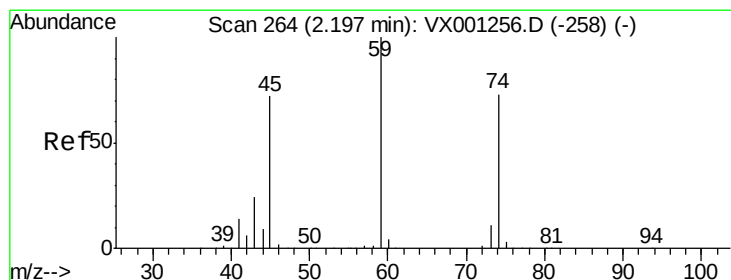
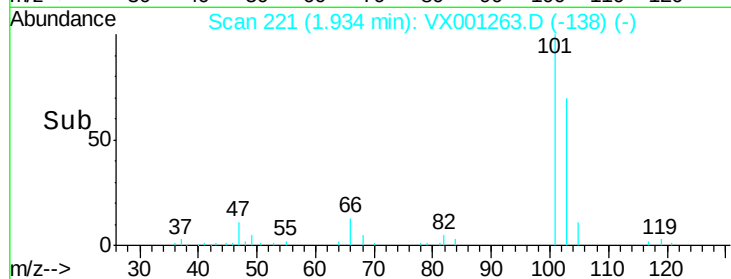
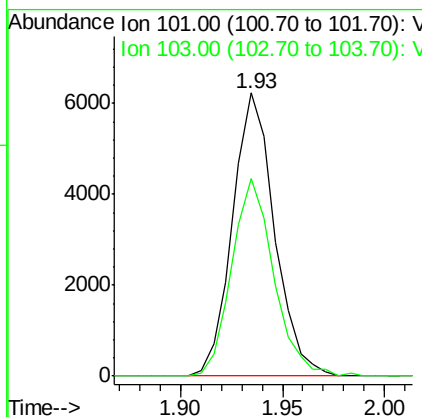
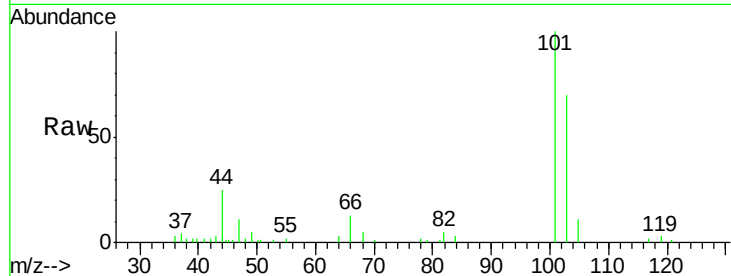
Trichlorofluoromethane
 Concen: 2.46 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
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 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.0	52.2	78.4

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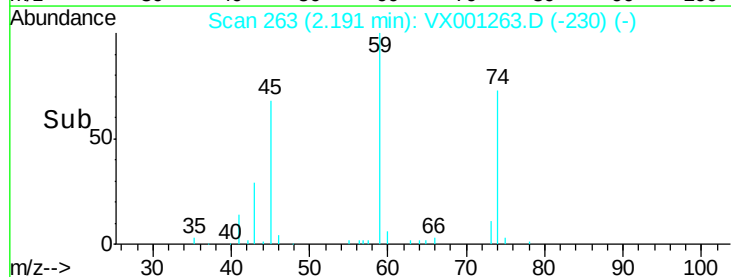
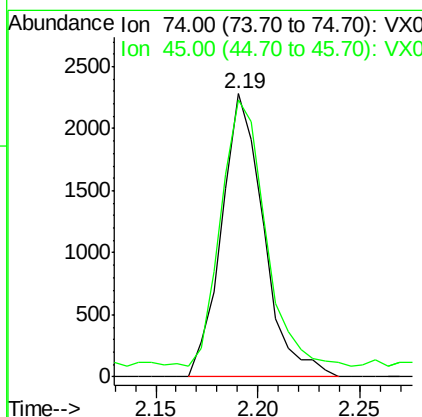
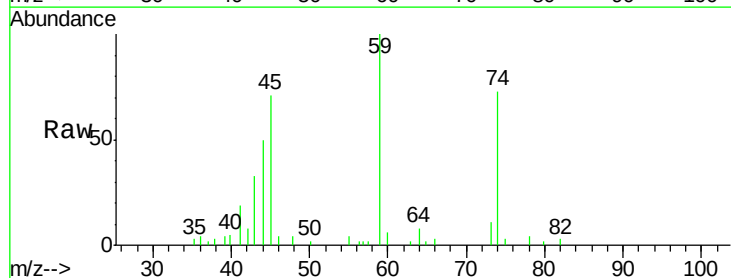
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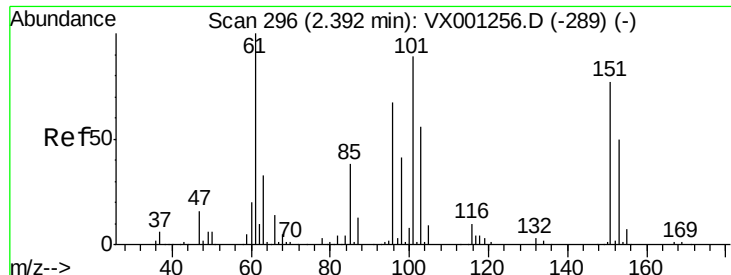


#8

Diethyl Ether
 Concen: 2.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	17.8	159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.52 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

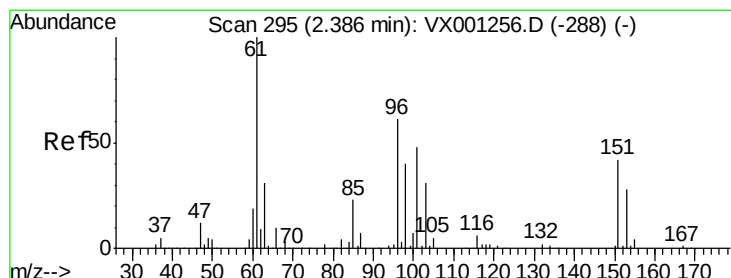
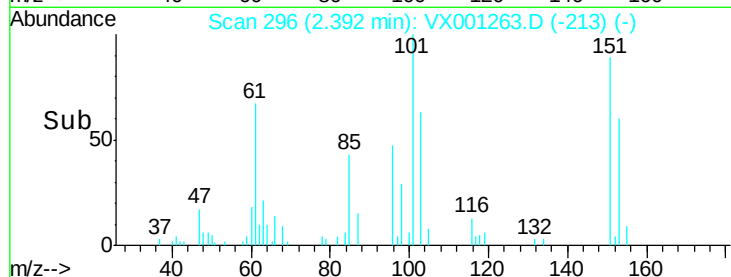
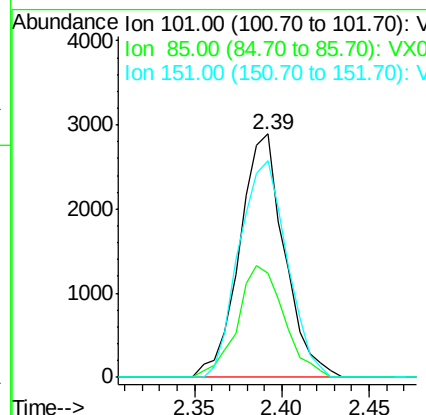
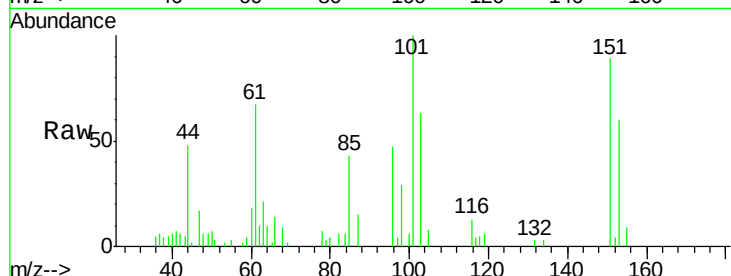
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	101	Resp:	5172
Ion	Ratio	Lower	Upper
101	100		
85	47.4	0.0	90.4
151	94.9	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 2.63 ug/l

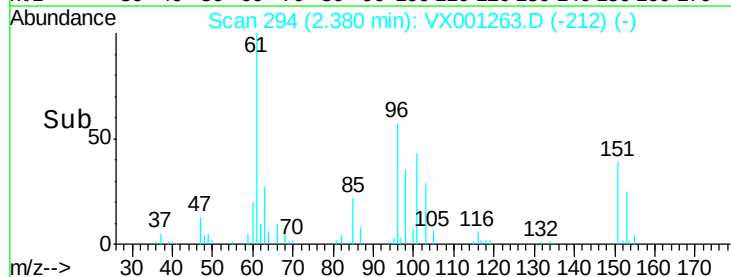
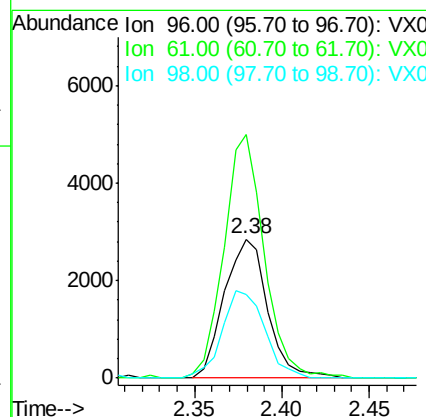
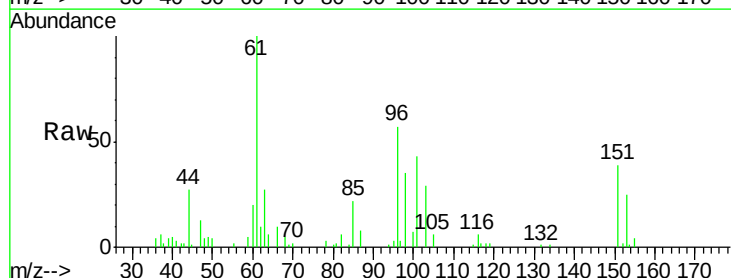
RT: 2.38 min Scan# 294

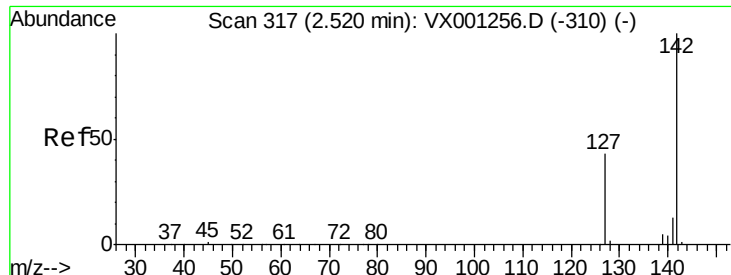
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	96	Resp:	4892
Ion	Ratio	Lower	Upper
96	100		
61	173.4	118.6	178.0
98	60.5	51.0	76.6





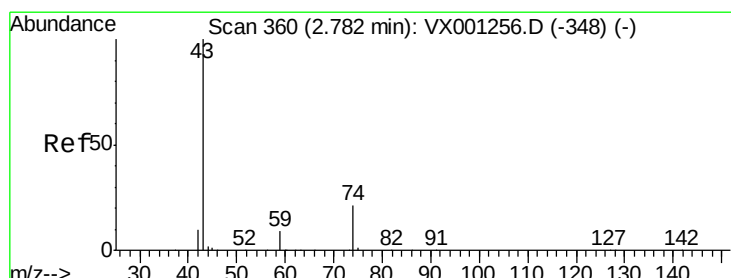
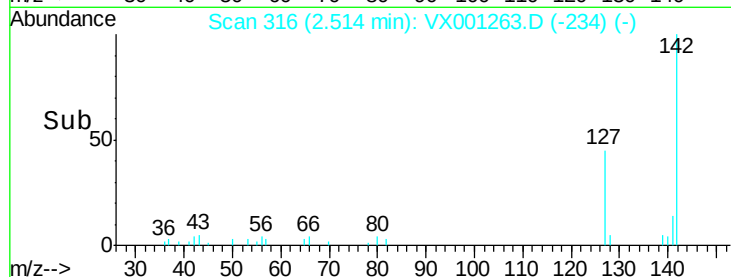
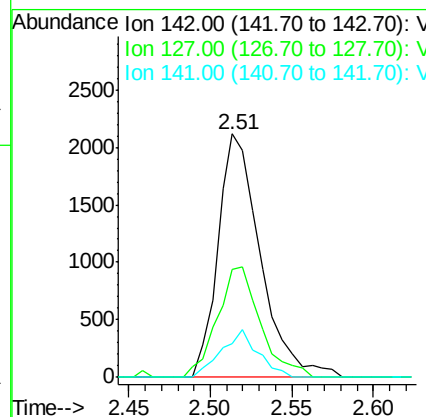
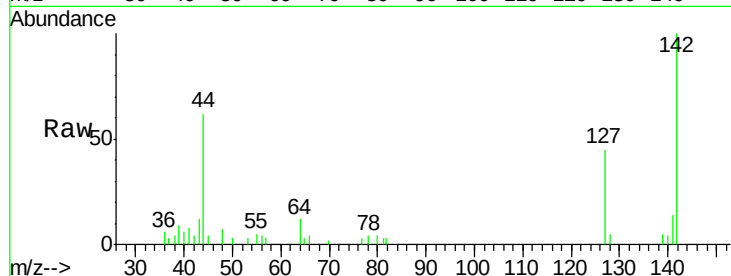
#11
Methyl Iodide
Concen: 1.69 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	23.8	71.5
141	13.7	8.2	24.4

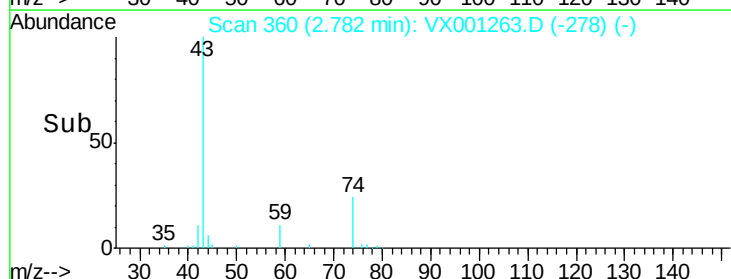
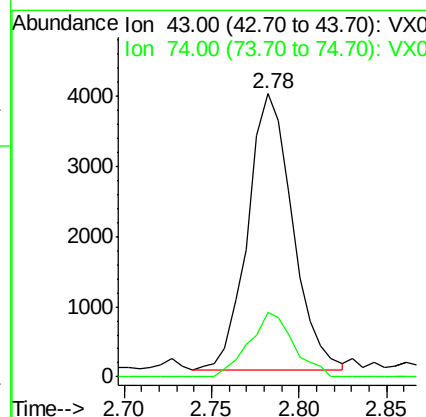
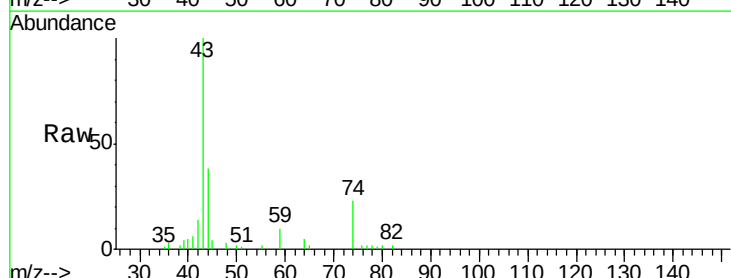
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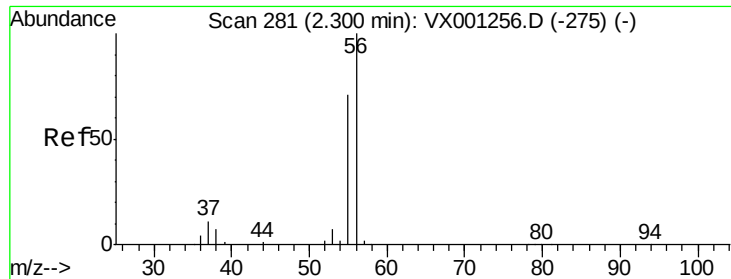
MMDadoda
5/2/2018 11:08:08 AM



#12
Methyl Acetate
Concen: 2.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.6	27.8





#13

Acrolein

Concen: 16.27 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 56 Resp: 4747

Ion Ratio Lower Upper

56 100

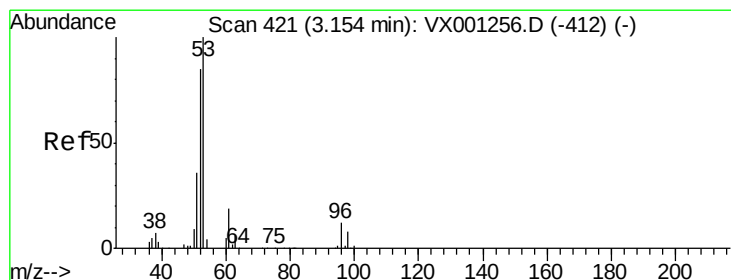
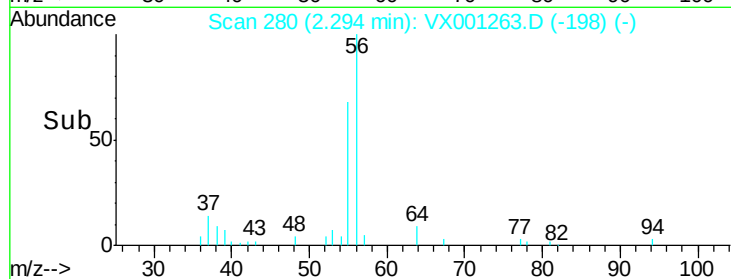
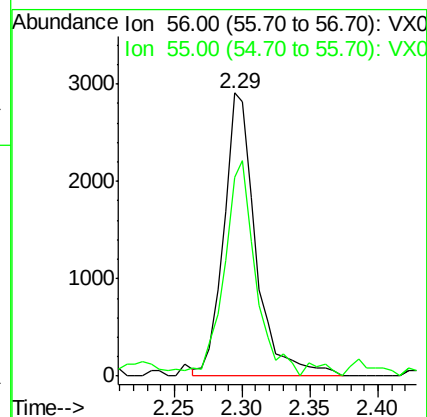
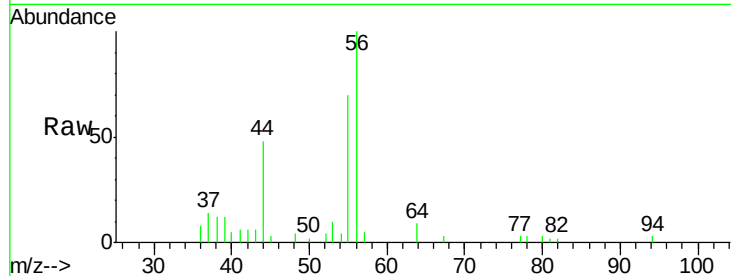
55 65.3 57.3 85.9

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#14

Acrylonitrile

Concen: 14.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

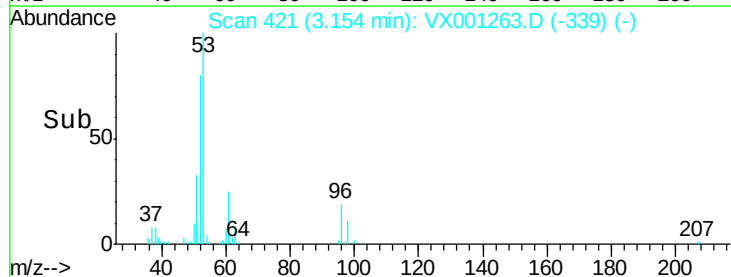
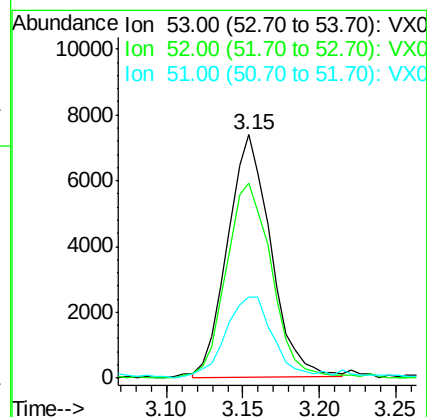
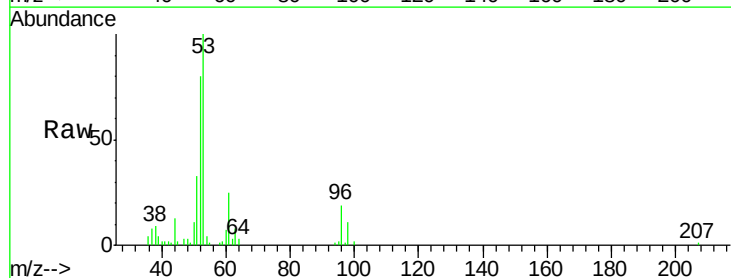
Tgt Ion: 53 Resp: 14415

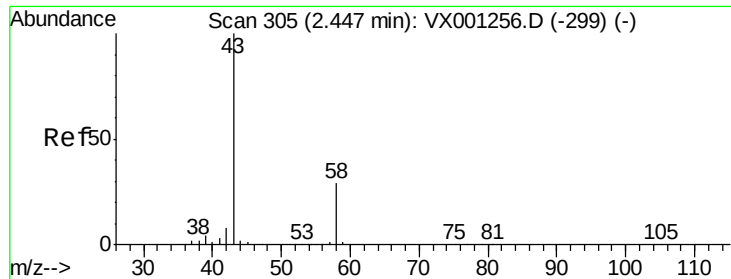
Ion Ratio Lower Upper

53 100

52 84.6 41.9 125.8

51 36.8 18.8 56.3





#15

Acetone

Concen: 15.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tot Ion: 58 Resp: 4696

Ion Ratio Lower Upper

58 100

43 333.6 264.6 396.8

Instrument :

MSVOA_X

ClientSampleId :

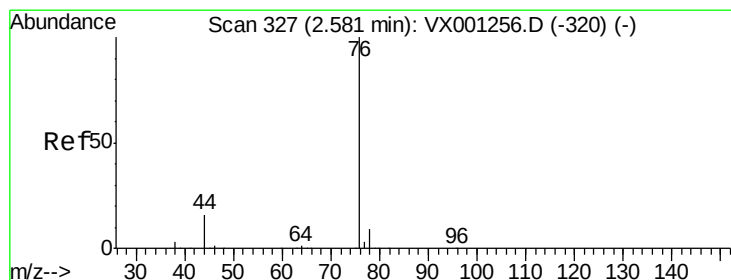
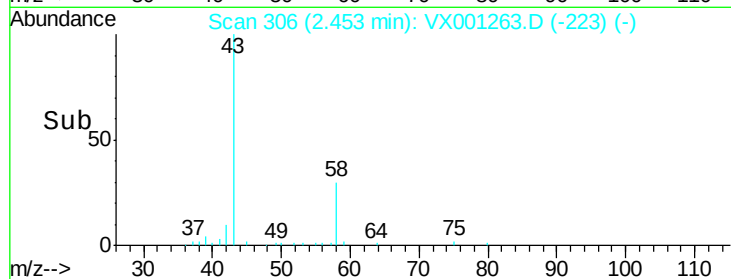
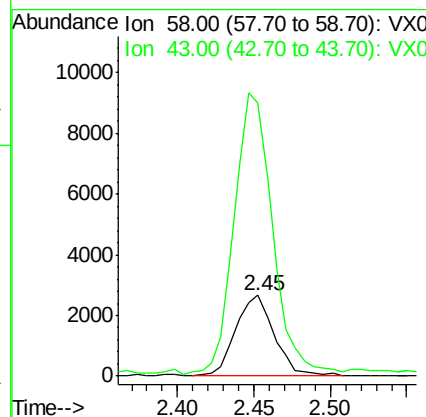
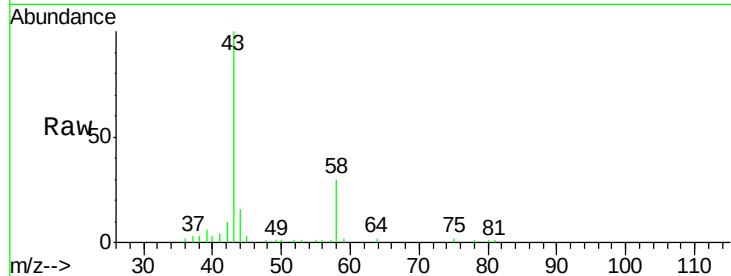
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#16

Carbon Disulfide

Concen: 2.31 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001263.D

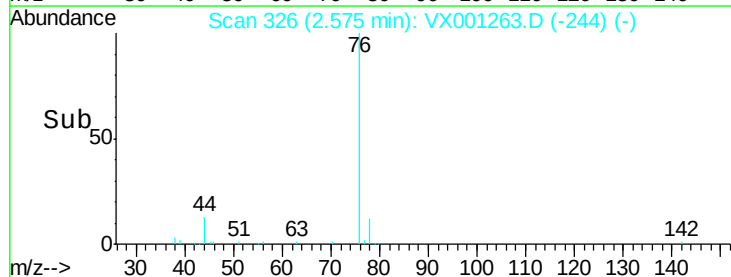
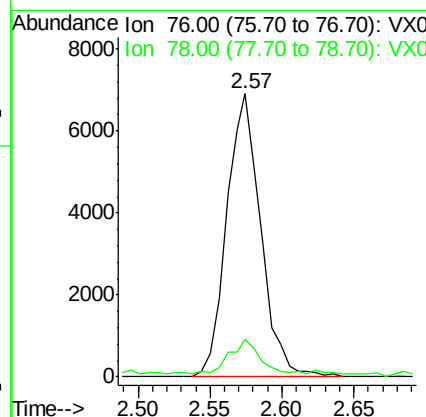
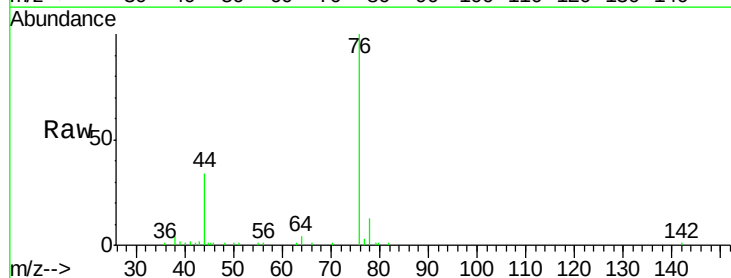
Acq: 30 Apr 2018 19:39

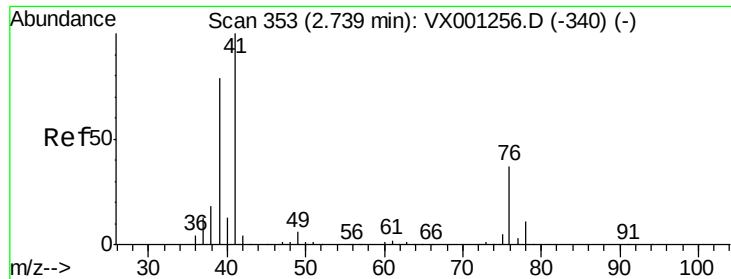
Tgt Ion: 76 Resp: 11411

Ion Ratio Lower Upper

76 100

78 12.0 6.8 10.2#





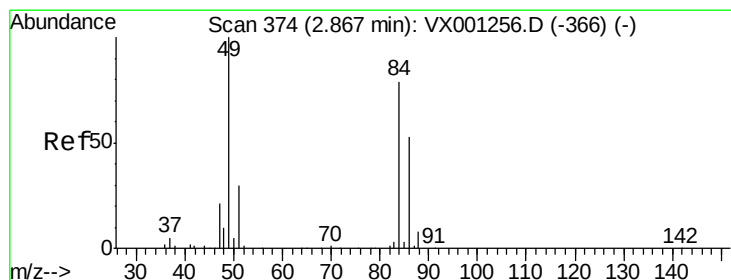
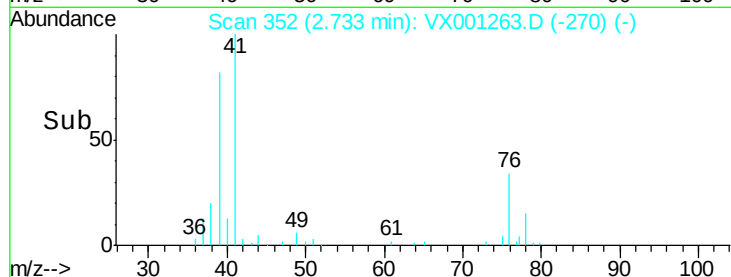
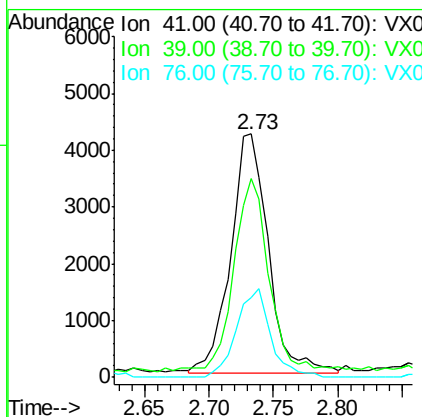
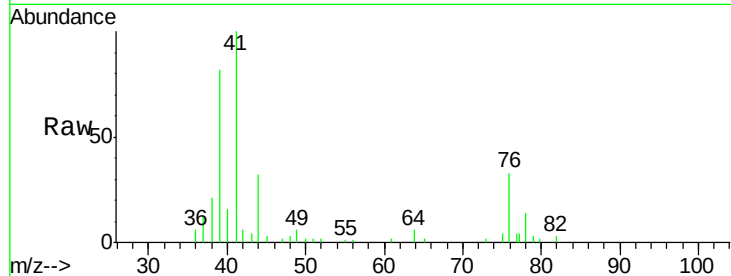
#17
Allvl chloride
Concen: 2.59 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.2	38.5	115.5
76	33.9	18.7	56.1

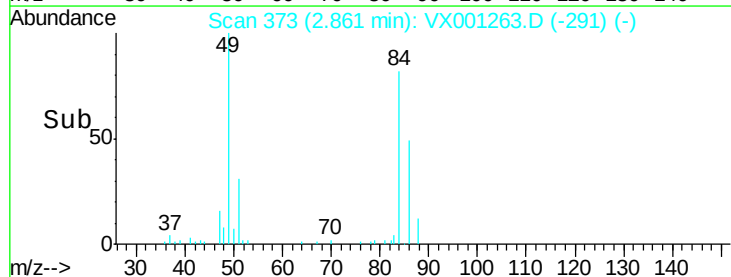
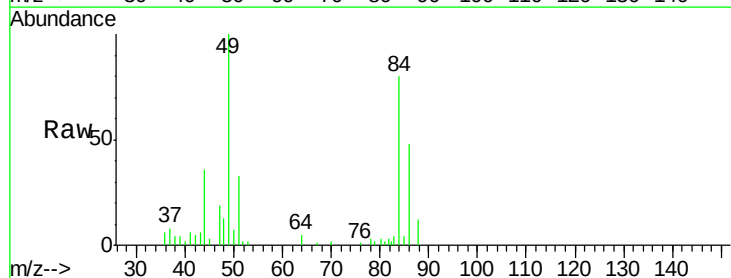
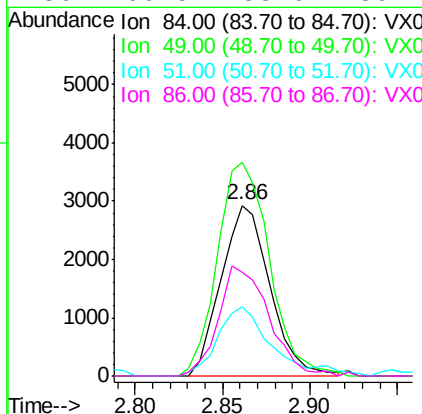
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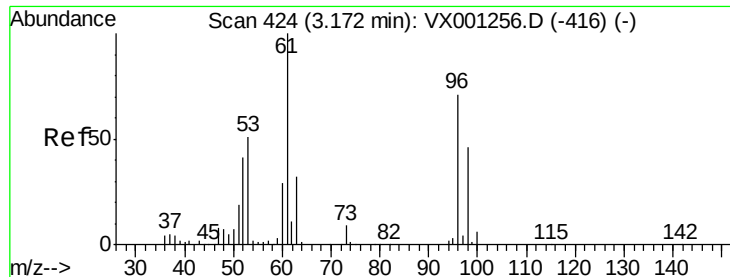
MMDadoda
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#18
Methylene Chloride
Concen: 2.81 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	103.3	154.9
51	38.7	31.2	46.8
86	60.5	53.6	80.4





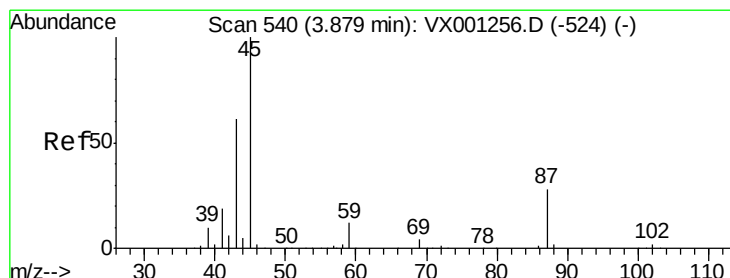
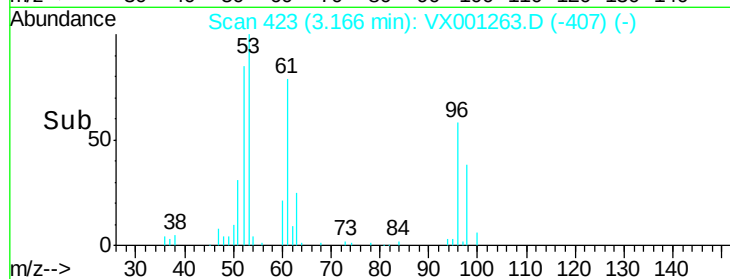
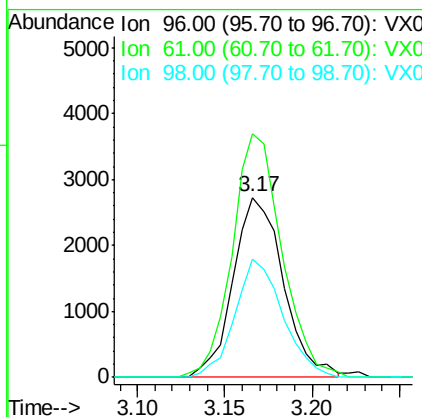
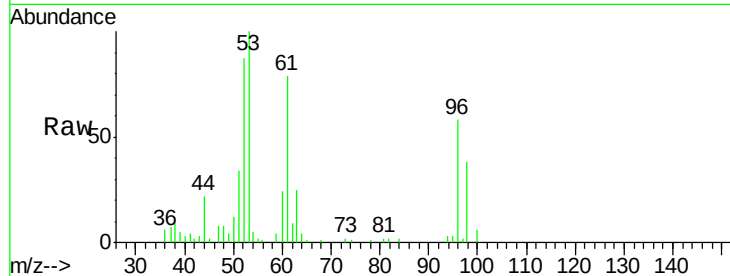
#19
trans-1,2-Dichloroethene
Concen: 2.72 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	101.0	151.6
98	65.6	53.3	79.9

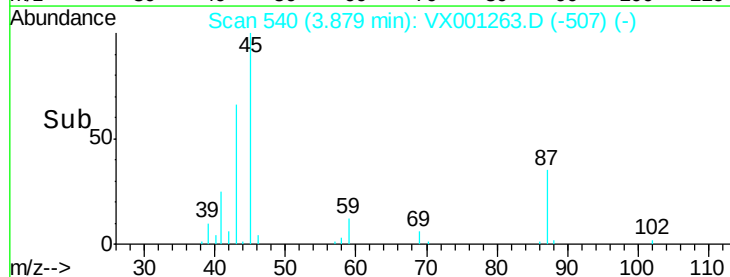
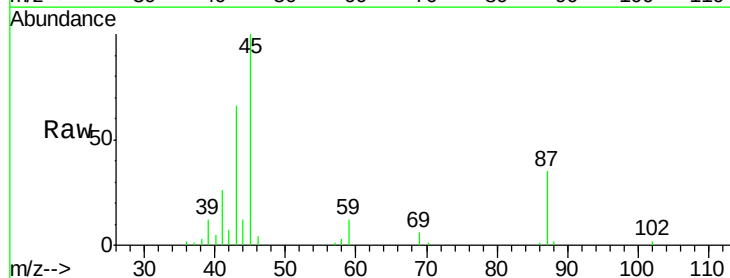
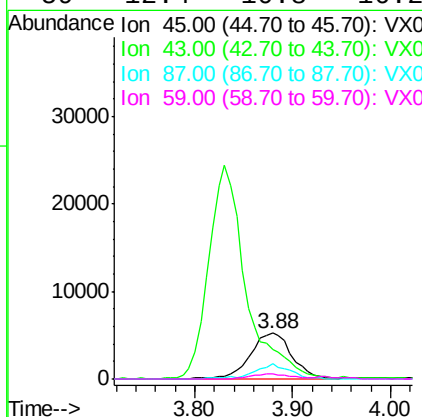
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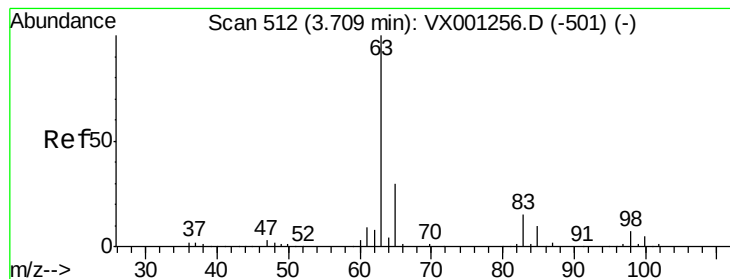
MMDadoda
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#20
Diisopropyl ether
Concen: 2.40 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	49.6	74.4
87	35.2	23.1	34.7#
59	12.4	10.8	16.2





#21

1,1-Dichloroethane

Concen: 2.56 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

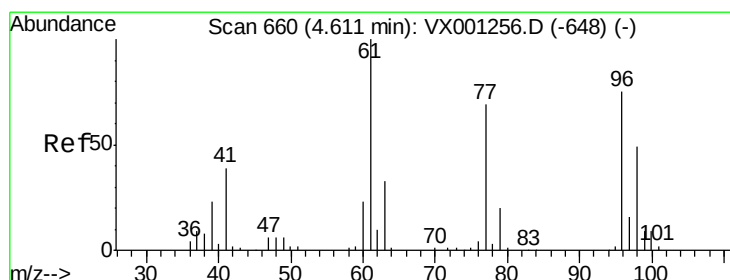
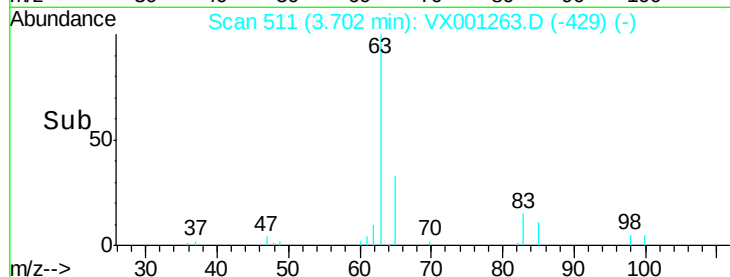
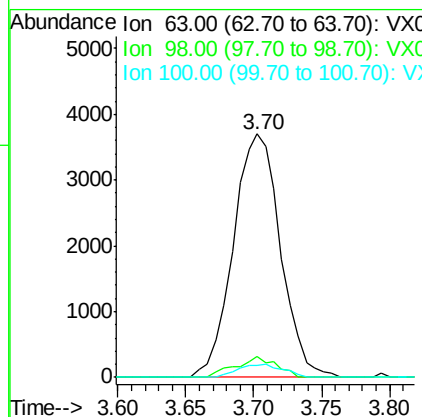
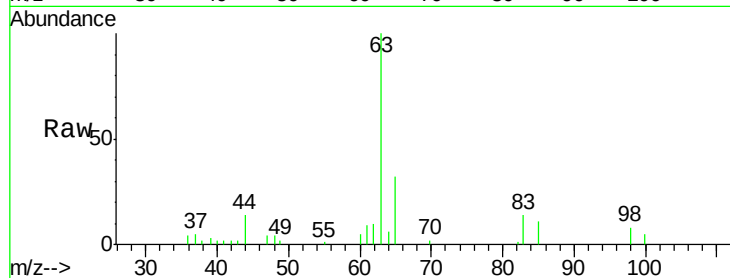
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	63	Resp:	8952
Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.3	9.9
100	5.0	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 2.50 ug/l

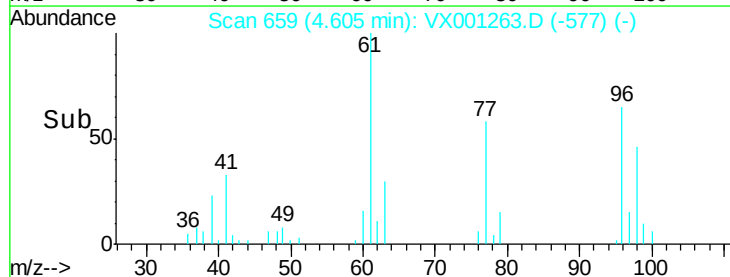
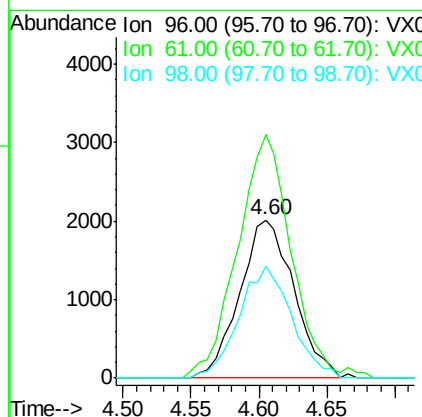
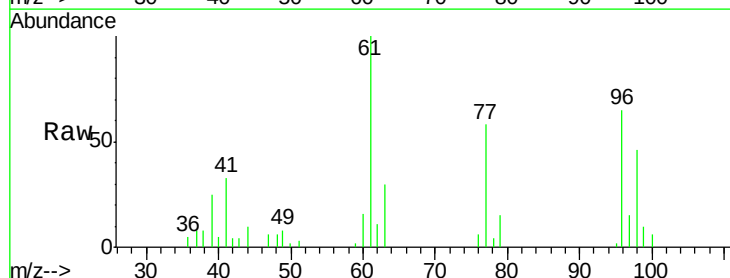
RT: 4.60 min Scan# 659

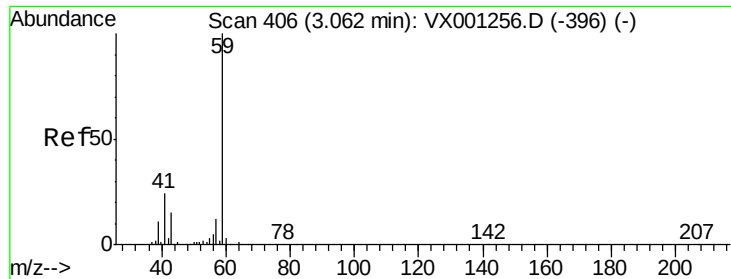
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	96	Resp:	5601
Ion	Ratio	Lower	Upper
96	100		
61	151.0	113.5	170.3
98	68.9	51.8	77.8





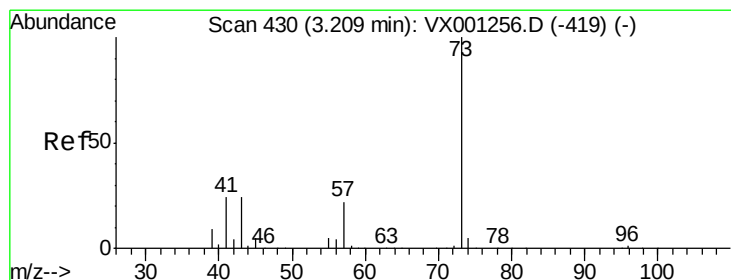
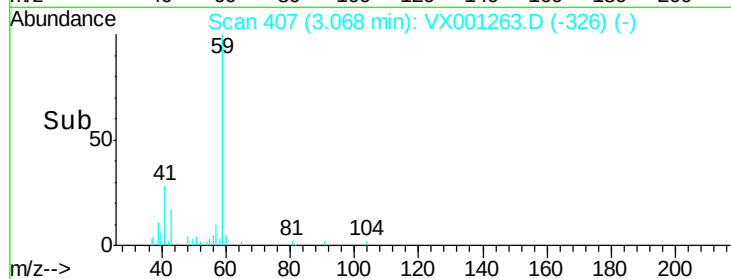
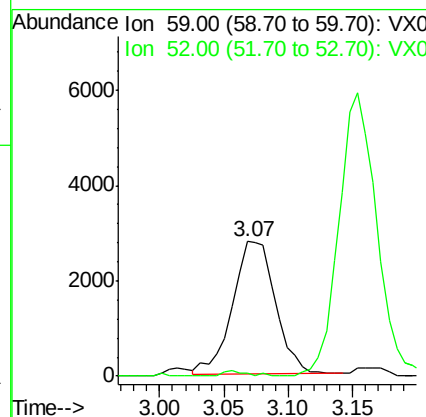
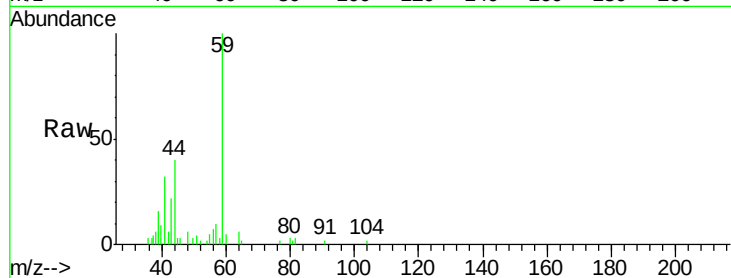
#23
 tert-Butyl Alcohol
 Concen: 16.26 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion: 59 Resp: 6470
 Ion Ratio Lower Upper
 59 100
 52 1.9 0.1 0.1#

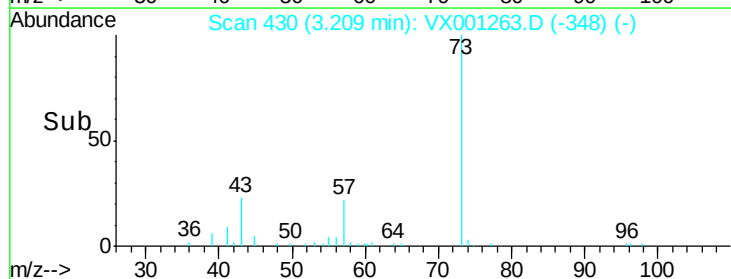
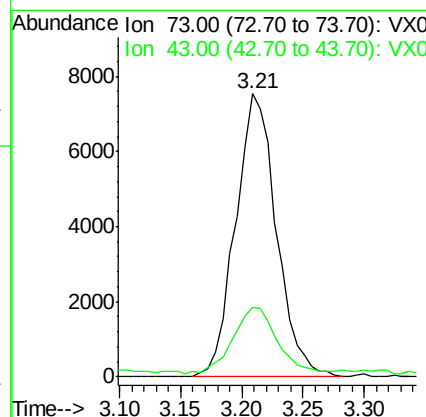
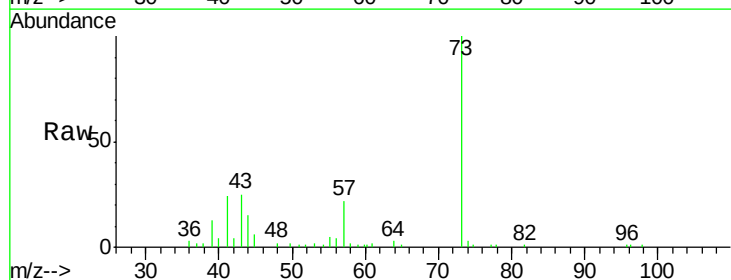
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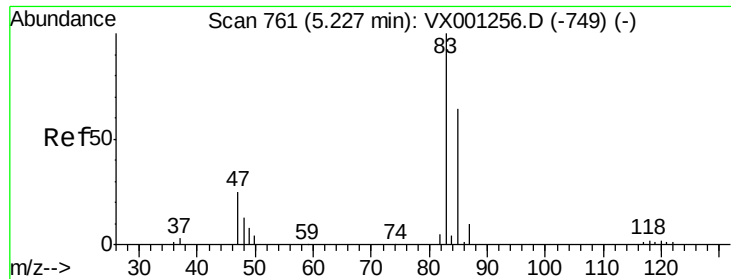
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#24
 Methyl tert-Butyl Ether
 Concen: 2.73 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 73 Resp: 17450
 Ion Ratio Lower Upper
 73 100
 43 26.9 16.5 24.7#





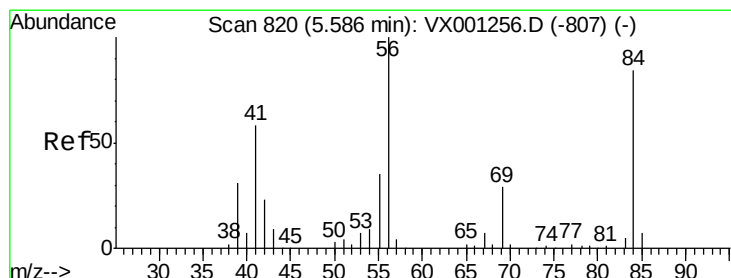
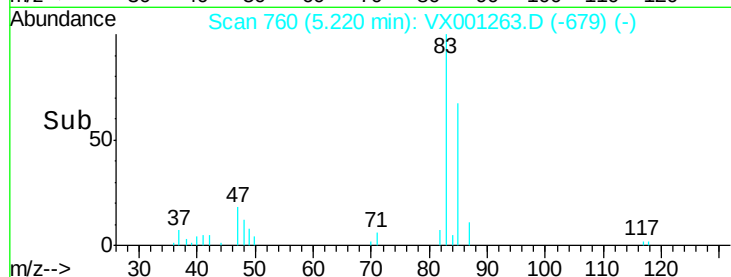
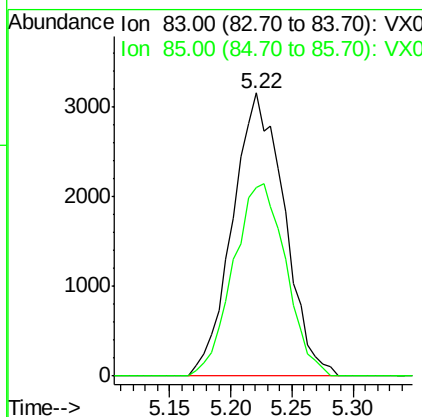
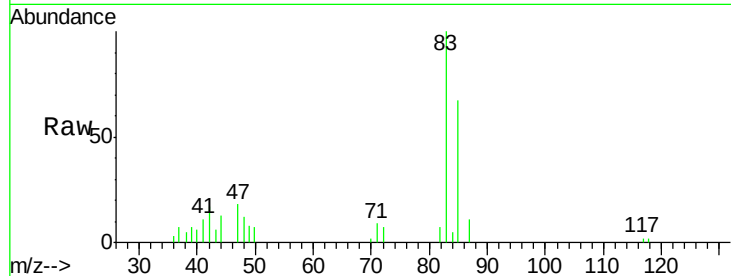
#25
Chloroform
Concen: 2.44 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion: 83 Resp: 9278
Ion Ratio Lower Upper
83 100
85 66.7 52.5 78.7

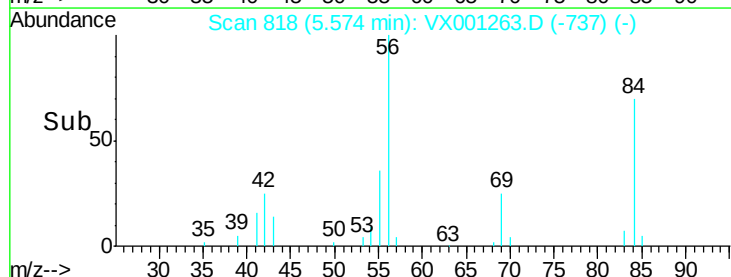
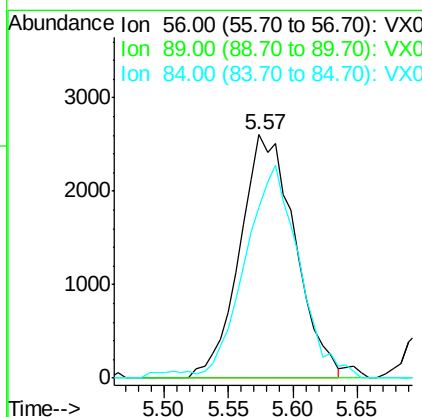
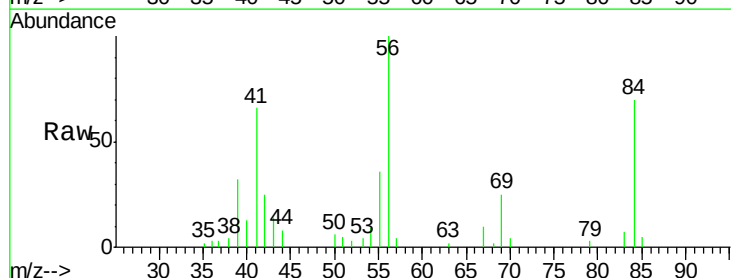
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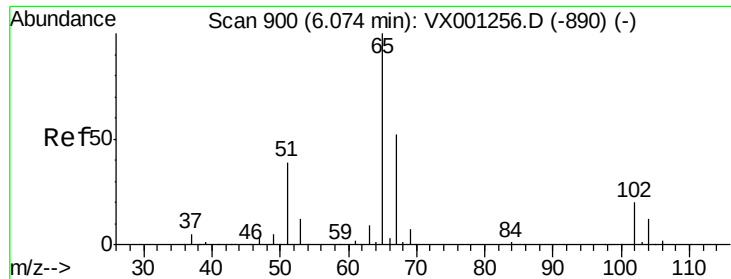
MMDadoda
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#26
Cyclohexane
Concen: 2.44 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 56 Resp: 7754
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 74.8 112.2





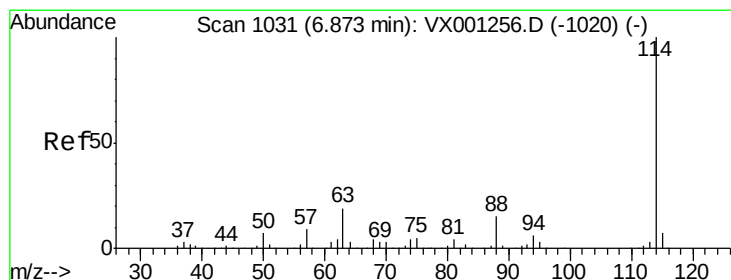
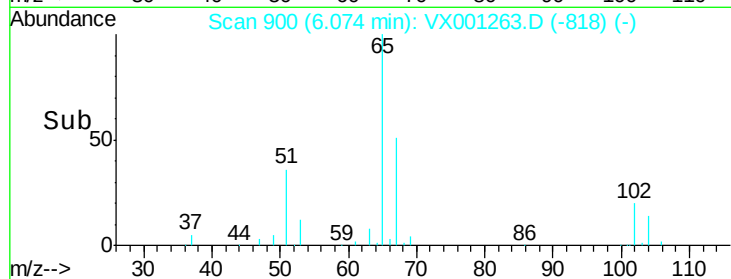
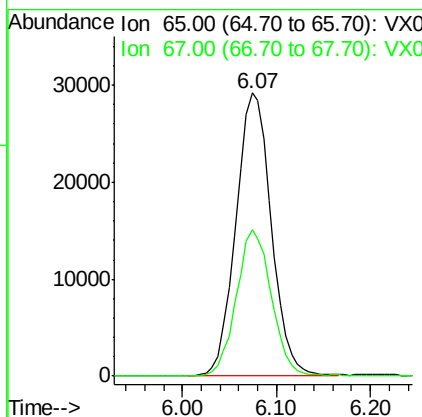
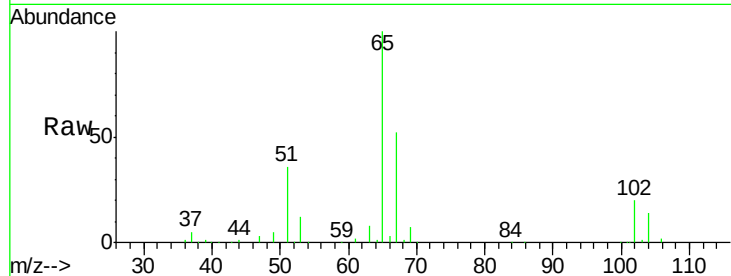
#27
 1,2-Dichloroethane-d4
 Concen: 31.36 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion: 65 Resp: 76848
 Ion Ratio Lower Upper
 65 100
 67 50.8 41.4 62.2

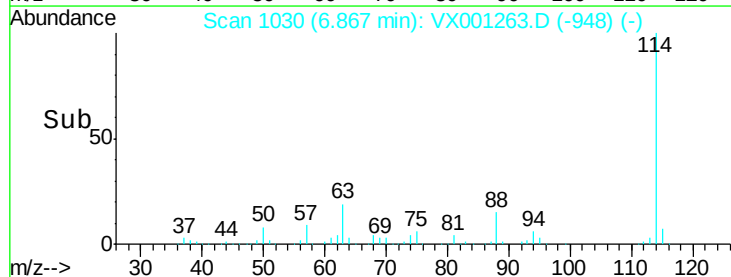
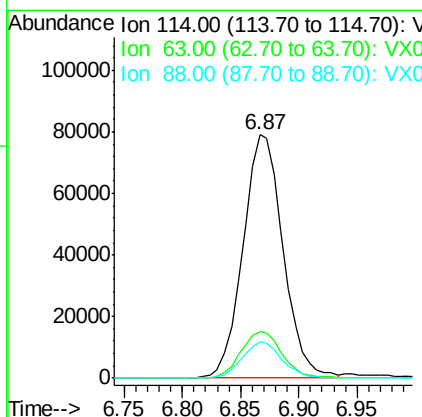
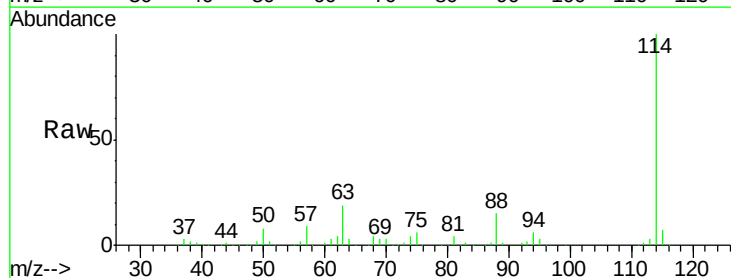
Manual Integrations
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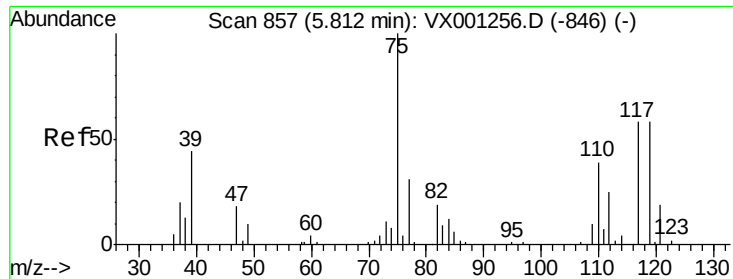
MMDadoda
 5/2/2018 11:08:08 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 114 Resp: 189369
 Ion Ratio Lower Upper
 114 100
 63 19.7 15.0 22.4
 88 14.8 11.8 17.8





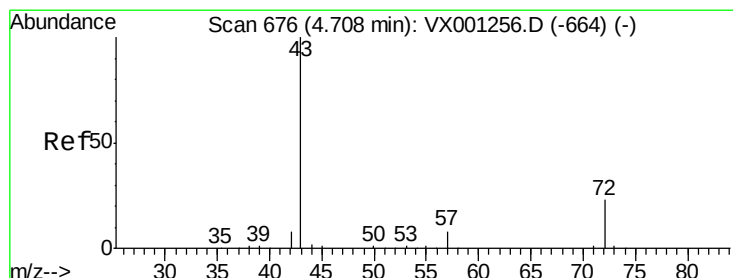
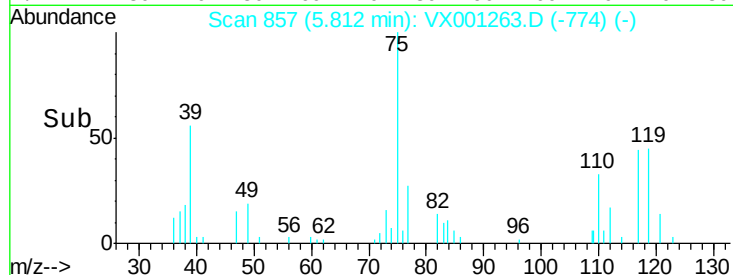
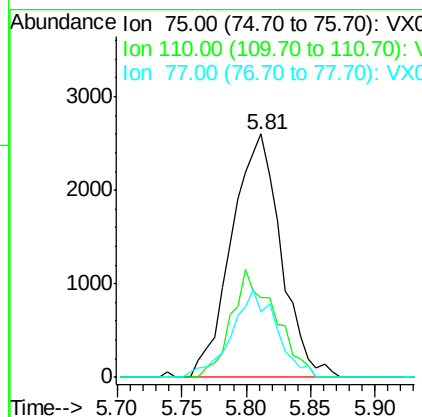
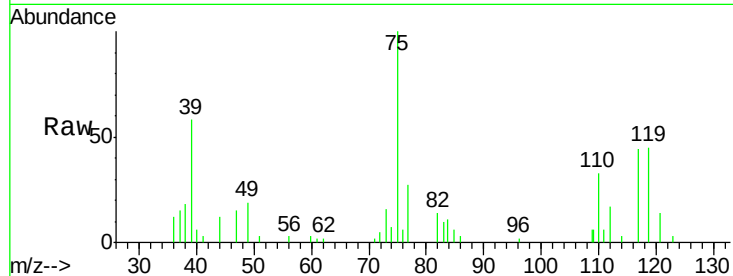
#29
 1,1-Dichloropropene
 Concen: 2.46 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	26.0	0.0	75.6
77	33.1	0.0	62.6

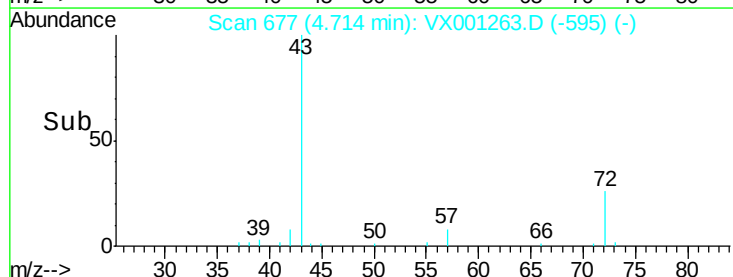
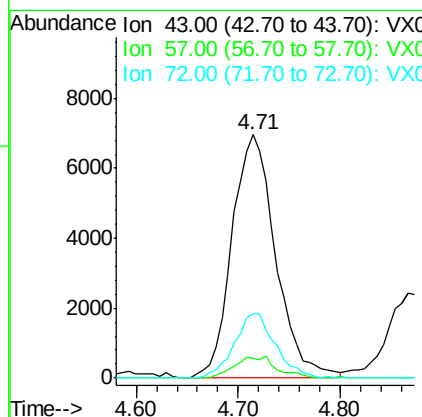
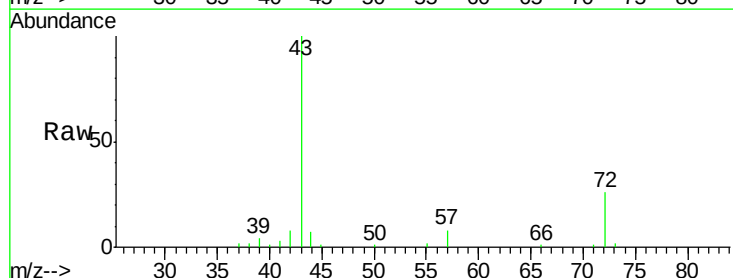
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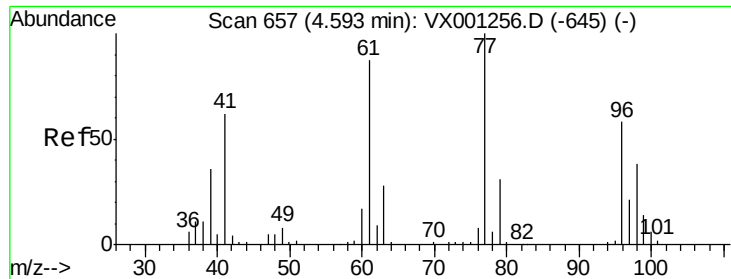
MMDadoda
 5/2/2018 11:08:08 AM



#30
 2-Butanone
 Concen: 14.41 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.2	6.6	10.0#
72	24.8	21.8	32.6





#31

2,2-Dichloropropane

Concen: 2.21 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 77 Resp: 6776

Ion Ratio Lower Upper

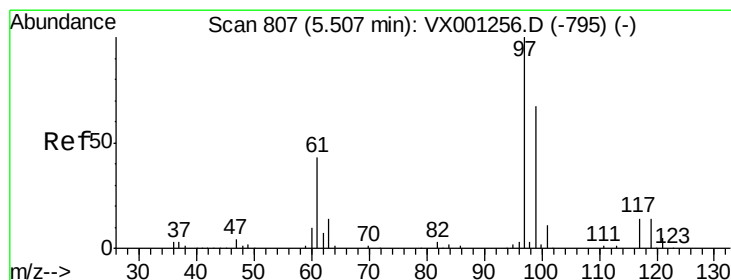
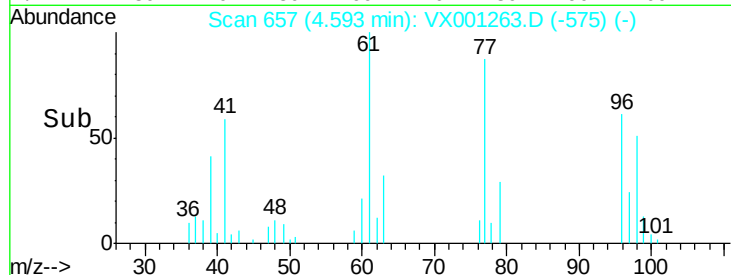
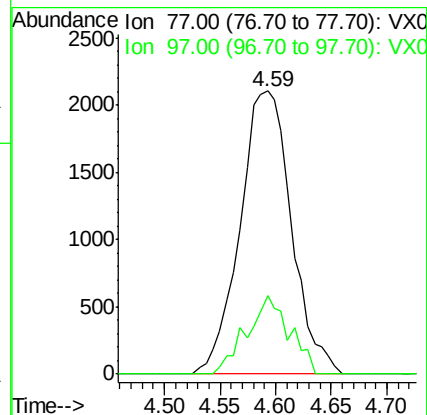
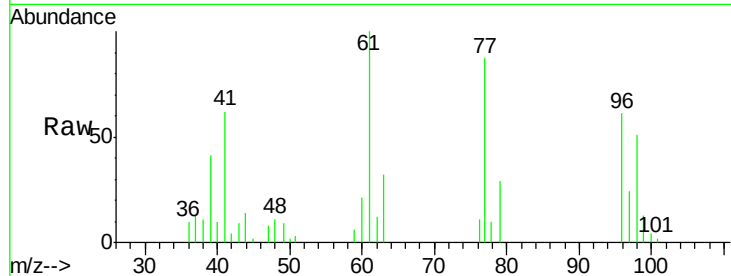
77 100

97 18.0 18.6 27.8#

Manual Integrations
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MMDadoda

5/2/2018 11:08:08 AM



#32

1,1,1-Trichloroethane

Concen: 2.32 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

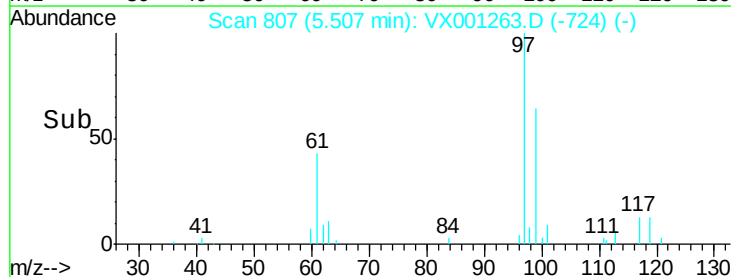
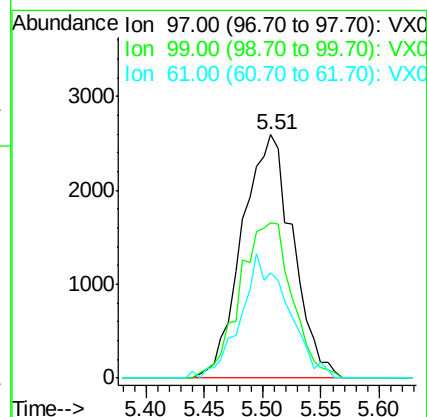
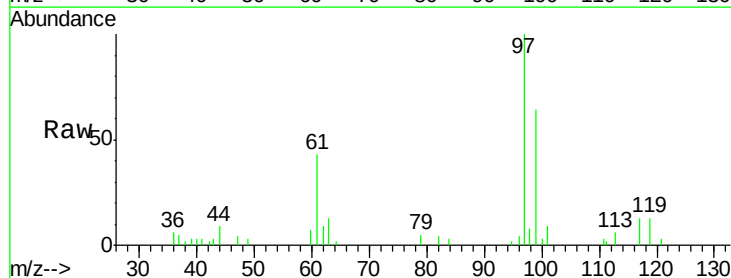
Tgt Ion: 97 Resp: 7867

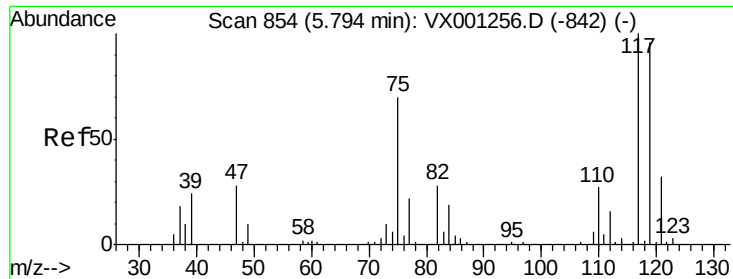
Ion Ratio Lower Upper

97 100

99 65.8 52.3 78.5

61 24.7 34.3 51.5#





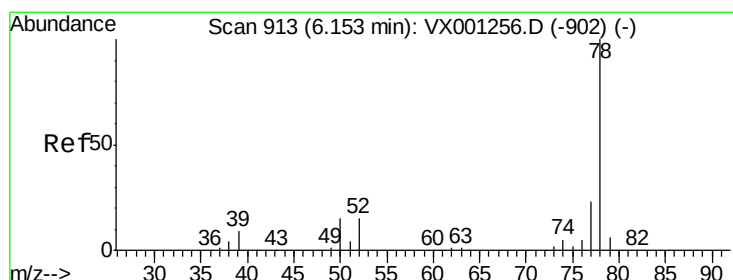
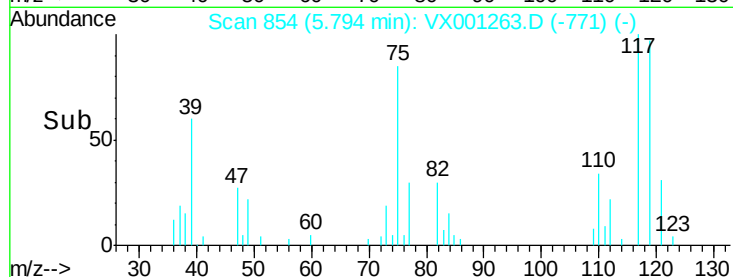
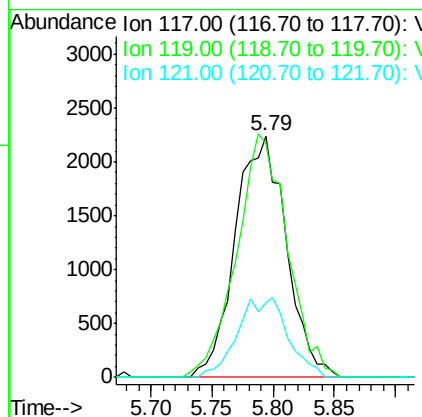
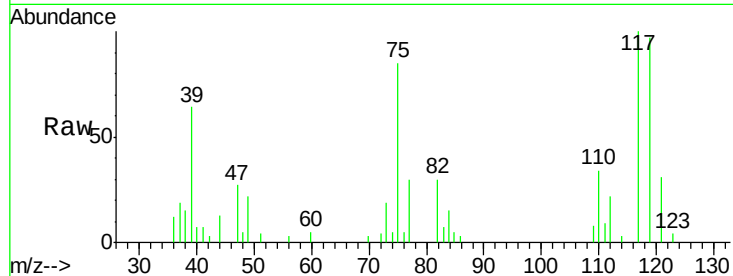
#33
Carbon Tetrachloride
Concen: 2.12 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion:117 Resp: 6491
Ion Ratio Lower Upper
117 100
119 96.8 73.5 110.3
121 30.8 24.6 37.0

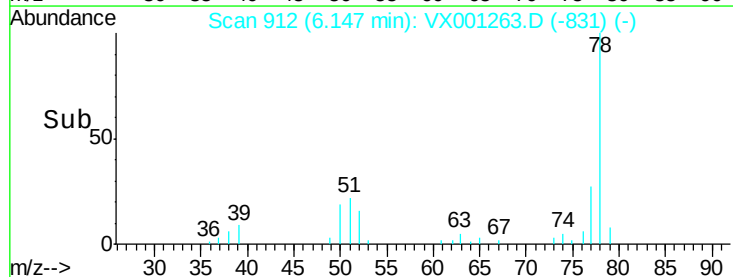
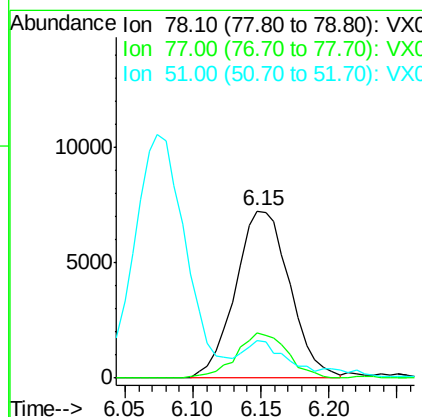
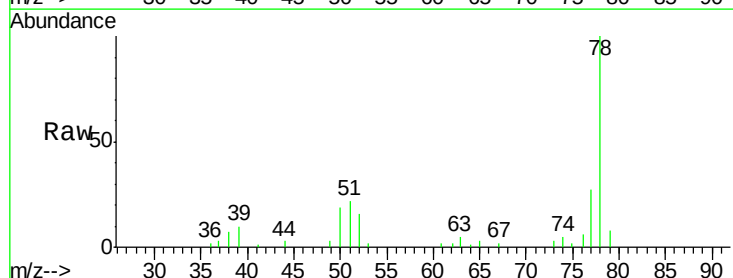
Manual Integrations
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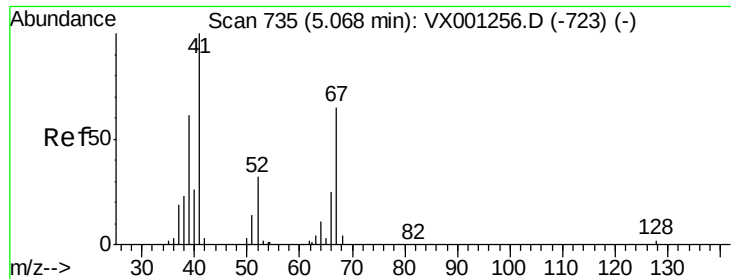
MMDadoda
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#34
Benzene
Concen: 2.44 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 78 Resp: 20264
Ion Ratio Lower Upper
78 100
77 27.1 21.7 32.5
51 17.3 14.9 22.3





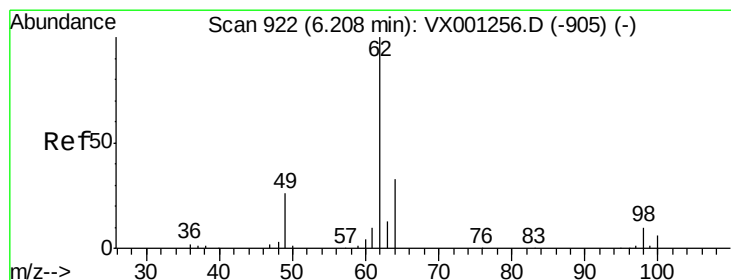
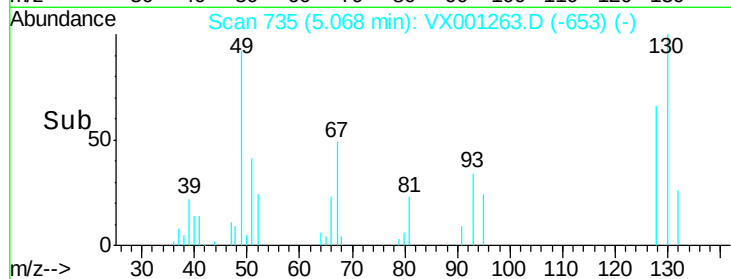
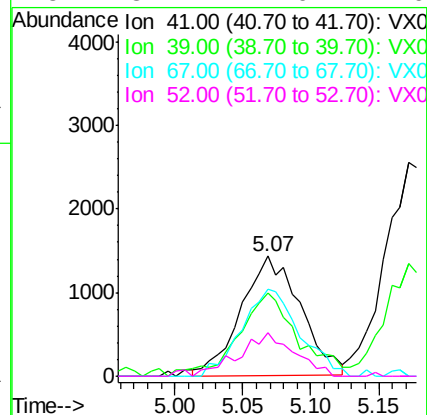
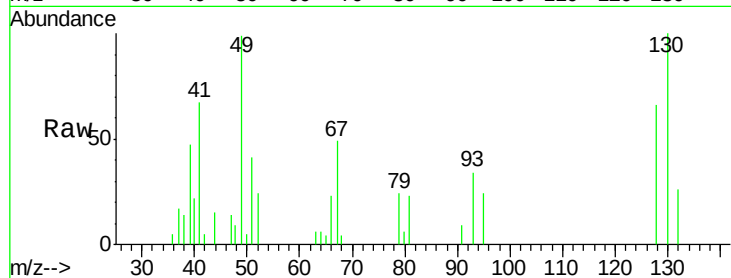
#35
Methacrylonitrile
Concen: 2.71 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.4	29.8	89.3	
67	76.5	28.7	86.3	
52	37.7	14.0	41.9	

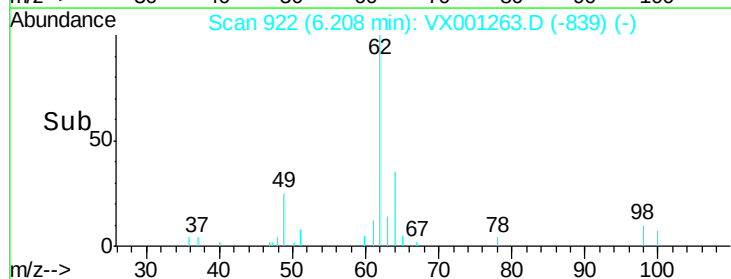
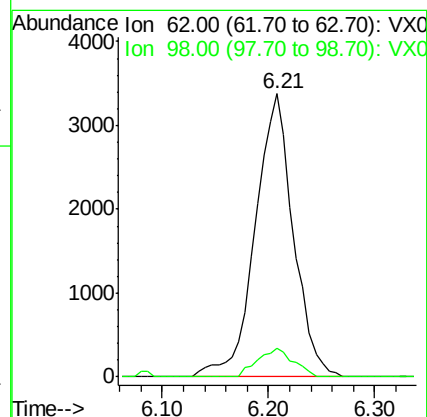
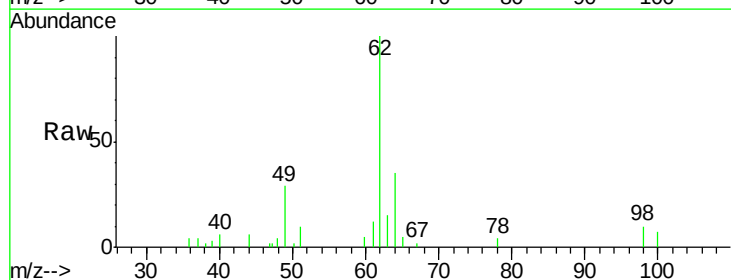
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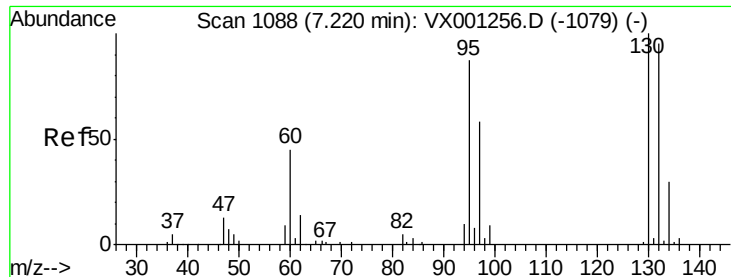
MMDadoda
5/2/2018 11:08:08 AM



#36
1,2-Dichloroethane
Concen: 2.65 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	6.9	10.3	





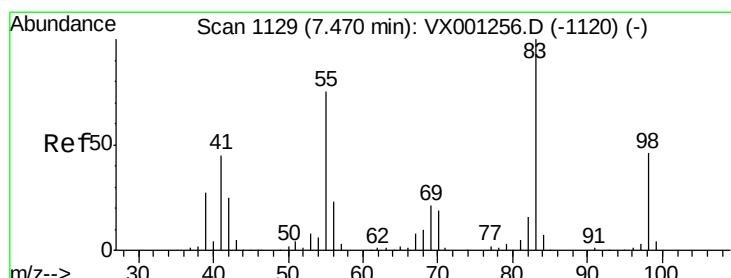
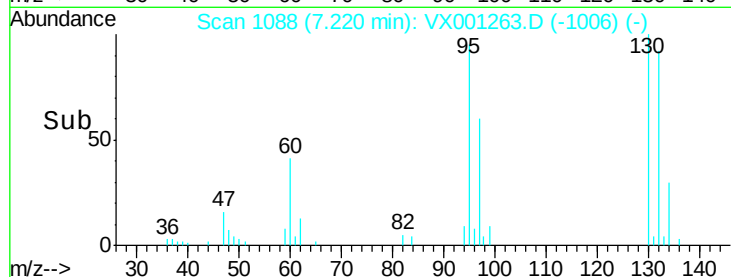
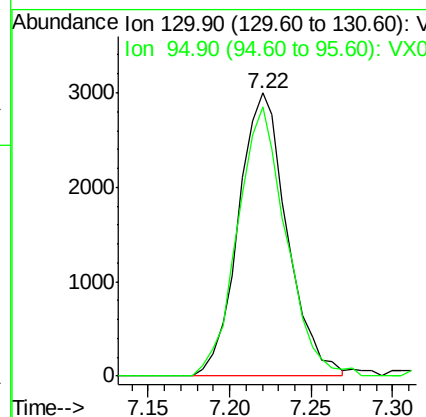
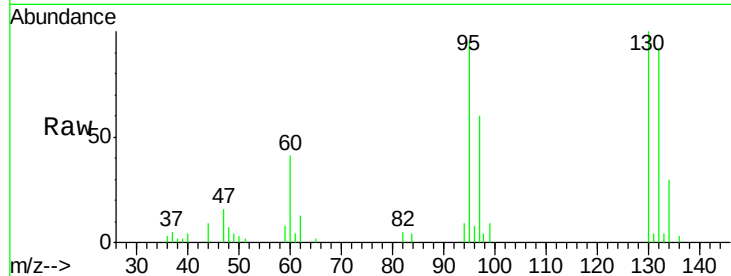
#37
 Trichloroethene
 Concen: 2.47 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion:130 Resp: 6214
 Ion Ratio Lower Upper
 130 100
 95 95.0 74.6 112.0

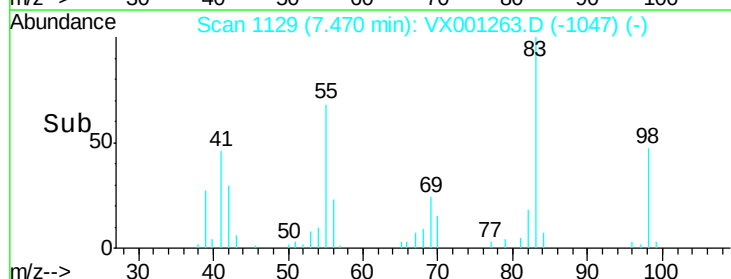
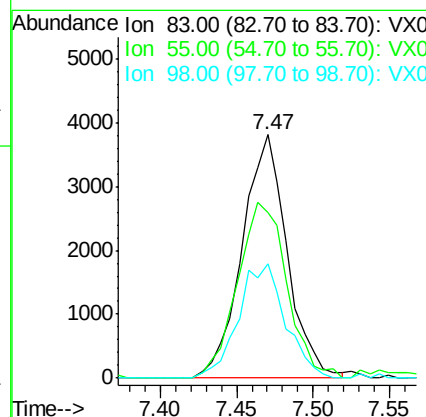
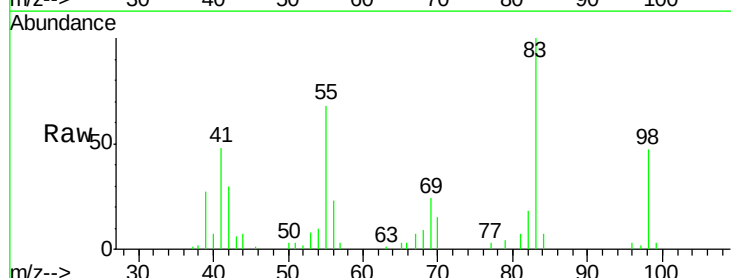
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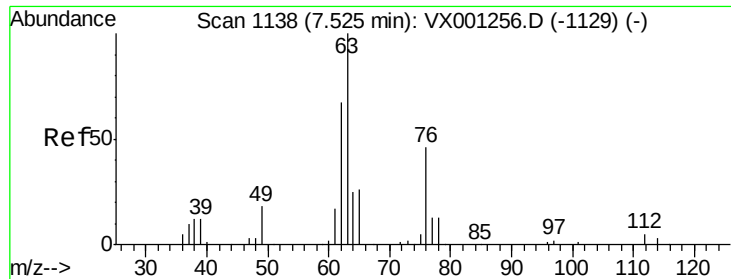
MMDadoda
 5/2/2018 11:08:08 AM



#38
 Methylcyclohexane
 Concen: 2.36 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 83 Resp: 7803
 Ion Ratio Lower Upper
 83 100
 55 78.6 35.9 107.7
 98 49.2 24.6 74.0





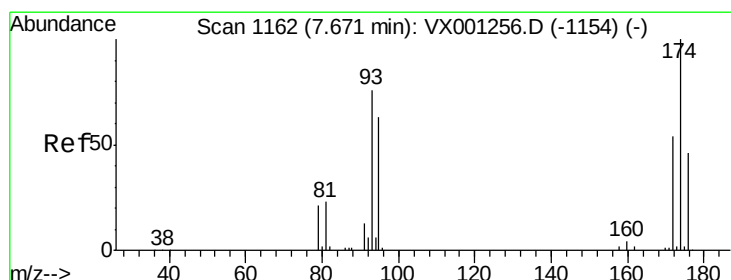
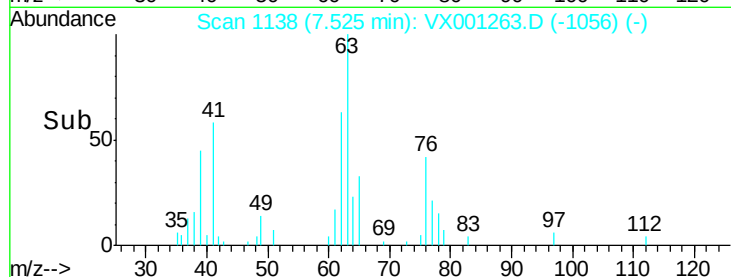
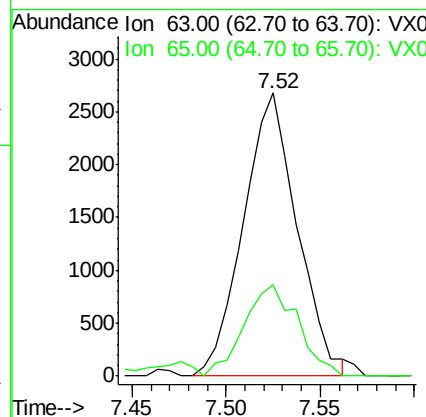
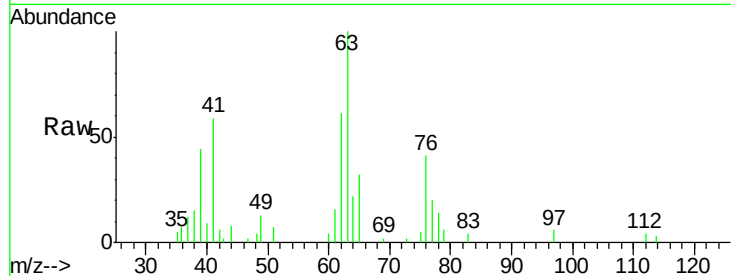
#39
 1,2-Dichloropropane
 Concen: 2.51 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion: 63 Resp: 5301
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.0 37.6

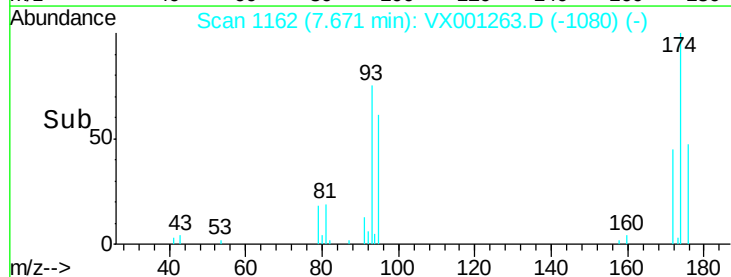
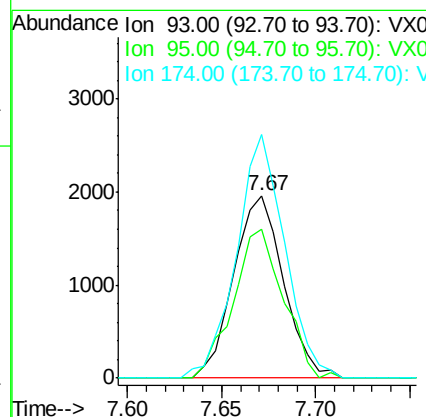
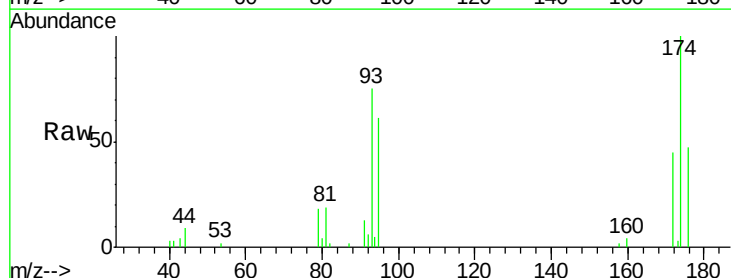
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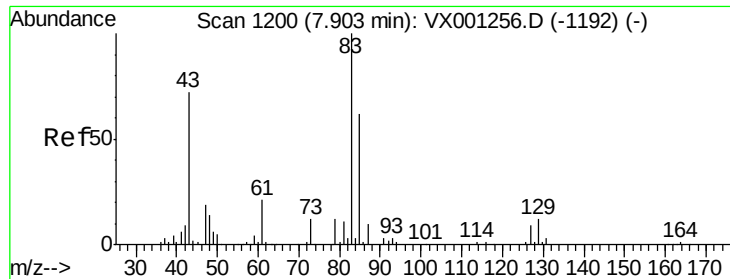
MMDadoda
 5/2/2018 11:08:08 AM



#40
 Dibromomethane
 Concen: 2.44 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 93 Resp: 3612
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 170.6
 174 128.5 0.0 210.4





#41

Bromodichloromethane

Concen: 2.21 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

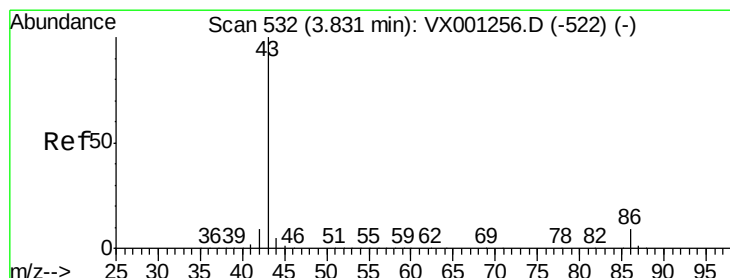
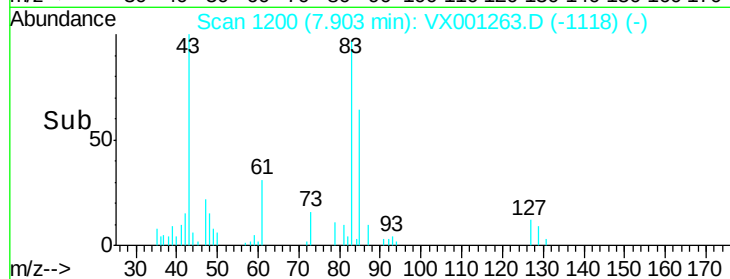
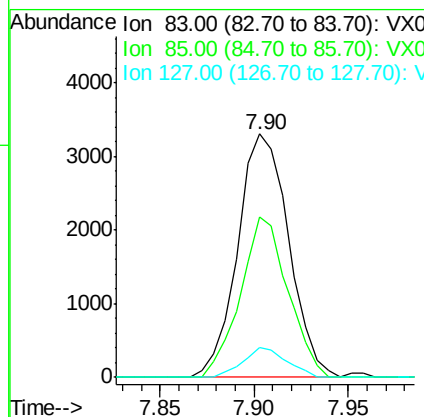
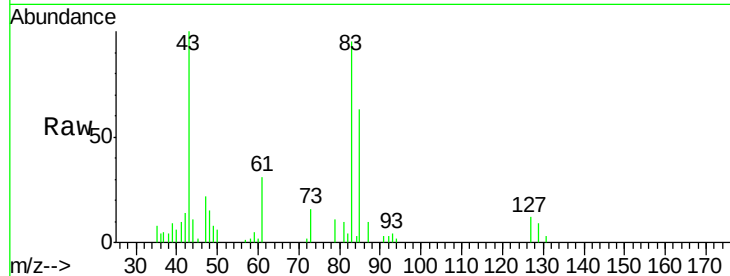
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion	83	Resp	6196
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.0	75.0
127	12.4	6.6	10.0

Manual Integrations
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MMDadoda
5/2/2018 11:08:08 AM



#42

Vinyl Acetate

Concen: 11.47 ug/l

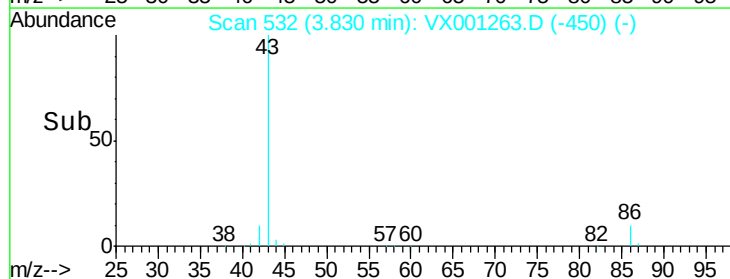
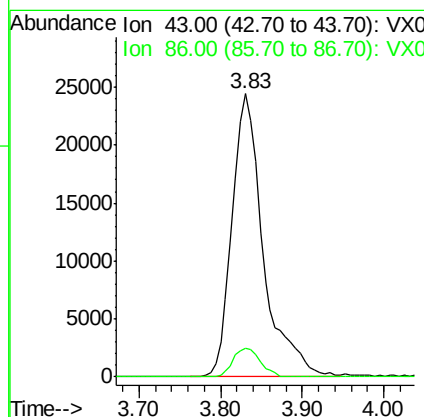
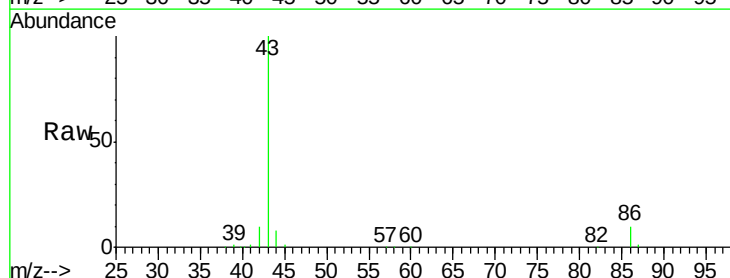
RT: 3.83 min Scan# 532

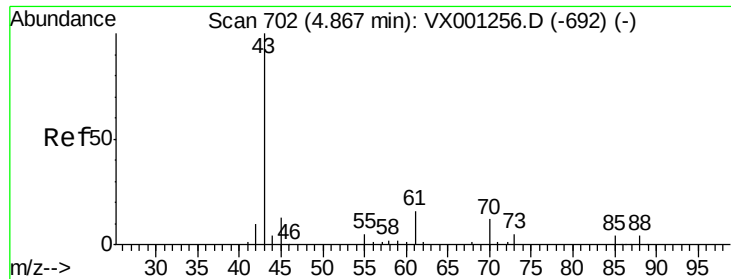
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion	43	Resp	64862
Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.8	11.6





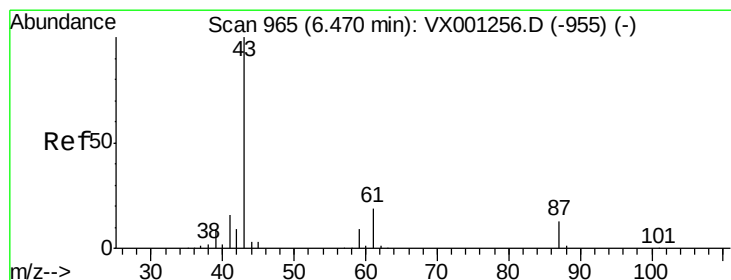
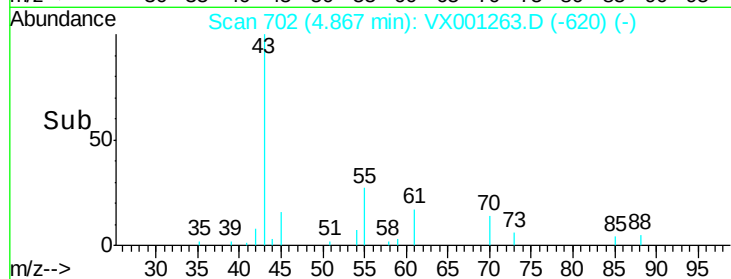
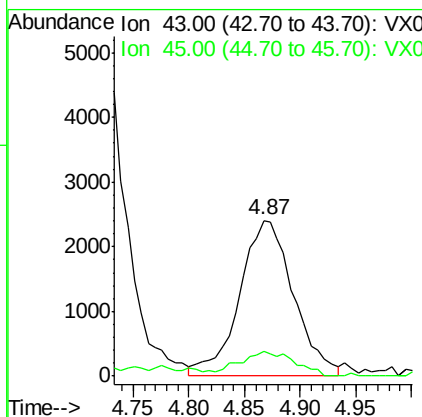
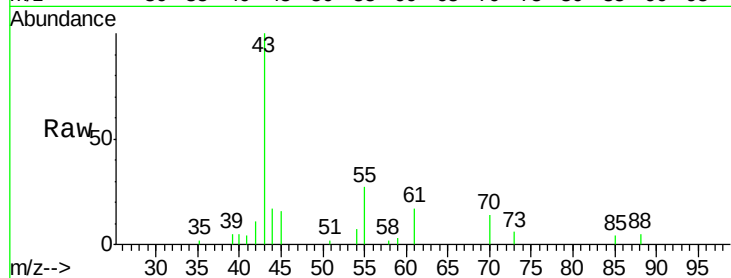
#43
Ethyl Acetate
Concen: 2.93 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion: 43 Resp: 8122
Ion Ratio Lower Upper
43 100
45 3.0 11.4 17.0#

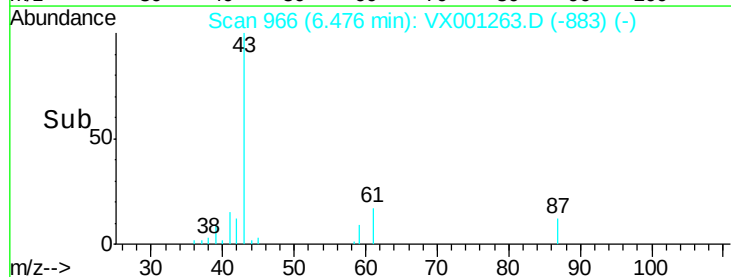
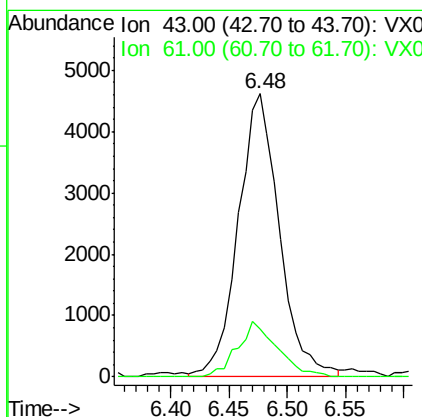
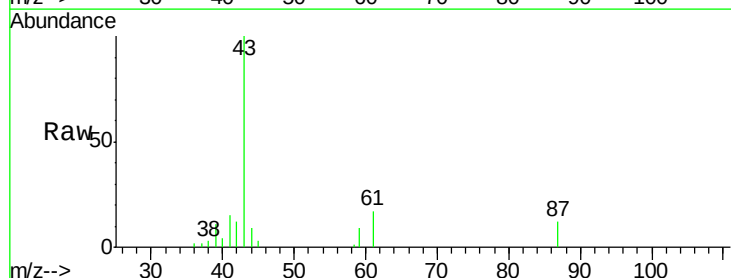
Manual Integrations
APPROVED

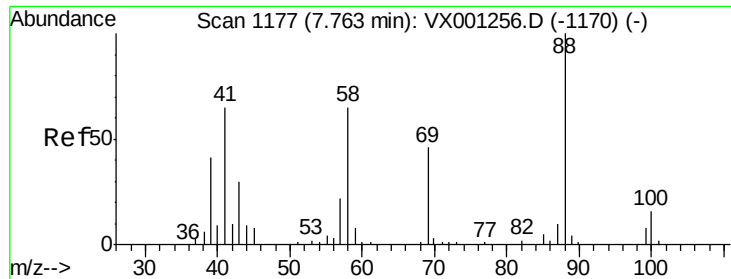
MMDadoda
5/2/2018 11:08:08 AM



#44
Isopropyl Acetate
Concen: 2.41 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 11365
Ion Ratio Lower Upper
43 100
61 19.0 15.7 23.5





#45

1,4-Dioxane

Concen: 61.25 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX001263.D

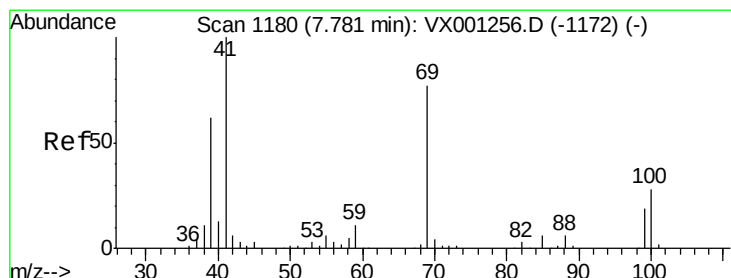
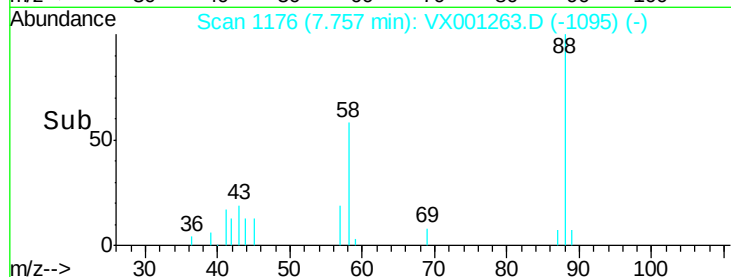
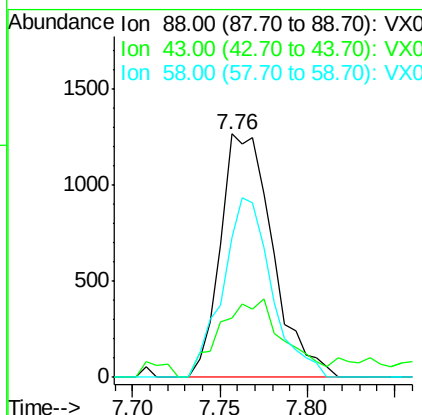
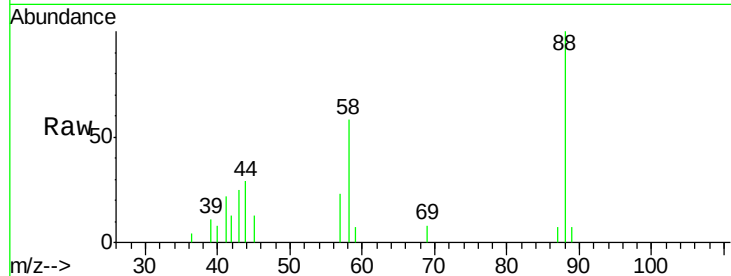
Acq: 30 Apr 2018 19:39

Tot Ion:	88	Resp:	2623
Ion	Ratio	Lower	Upper
88	100		
43	39.5	26.8	40.2
58	69.0	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Manual Integrations
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5/2/2018 11:08:08 AM



#46

Methyl methacrylate

Concen: 2.48 ug/l

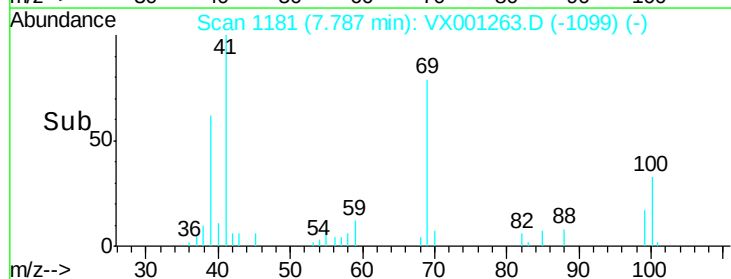
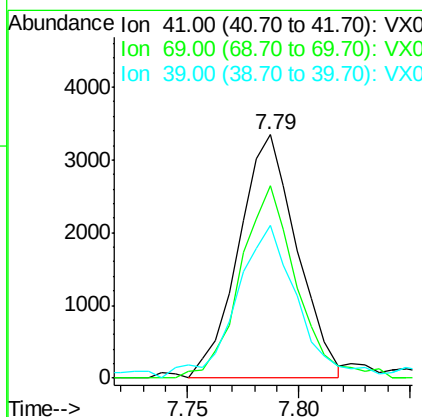
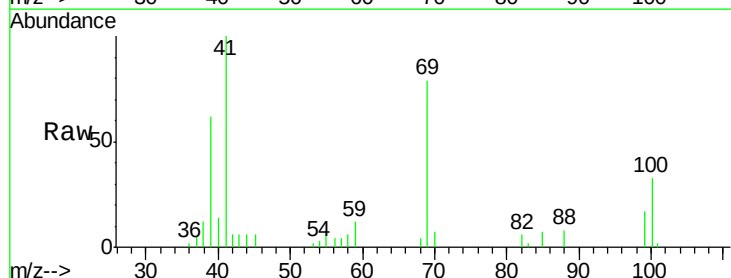
RT: 7.79 min Scan# 1181

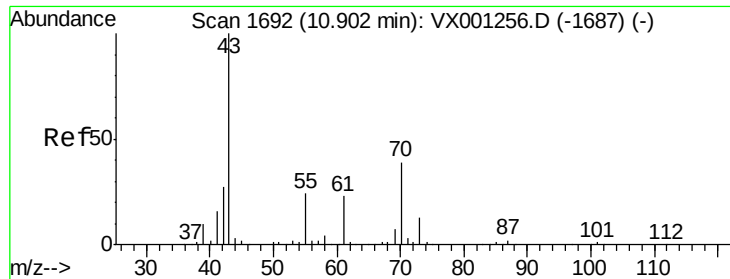
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	41	Resp:	6089
Ion	Ratio	Lower	Upper
41	100		
69	76.3	45.5	136.5
39	57.6	32.5	97.5





#47

n-amvl Acetate

Concen: 1.84 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 43 Resp: 8303

Ion Ratio Lower Upper

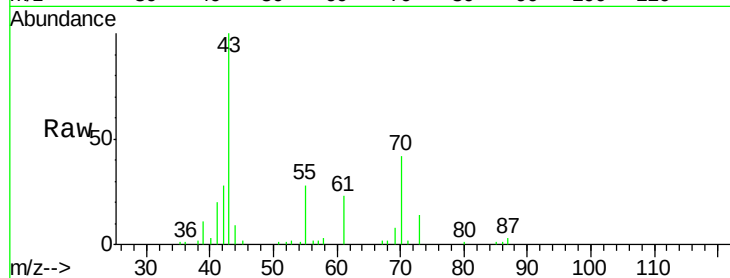
43 100

55 28.8 19.4 29.2

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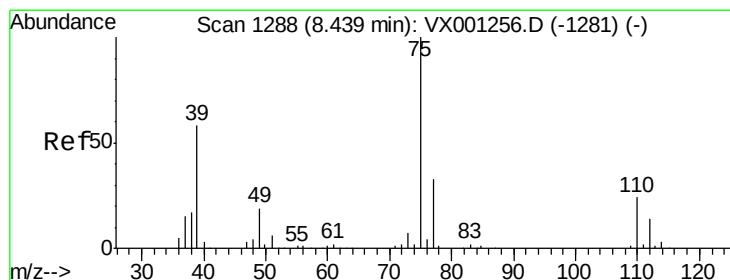
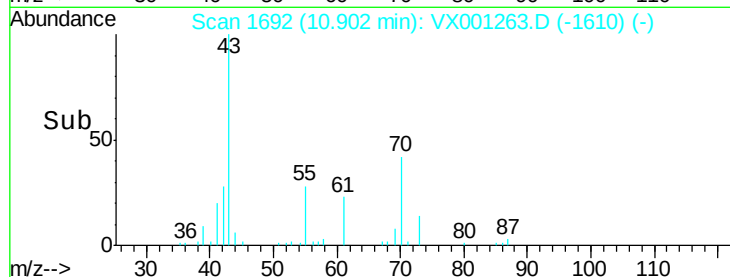
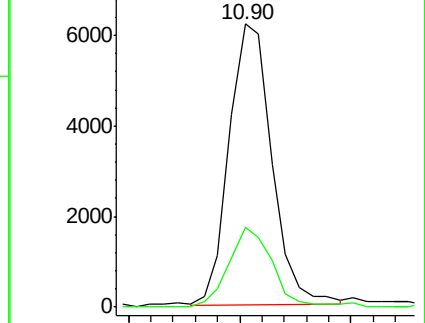
MMDadoda

5/2/2018 11:08:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 1.91 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001263.D

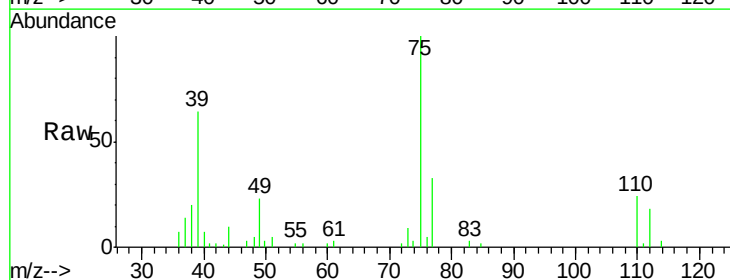
Acq: 30 Apr 2018 19:39

Tgt Ion: 75 Resp: 6309

Ion Ratio Lower Upper

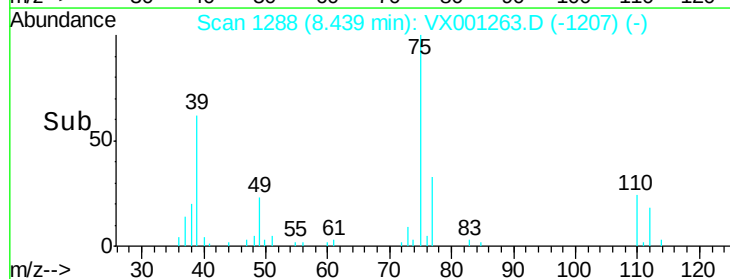
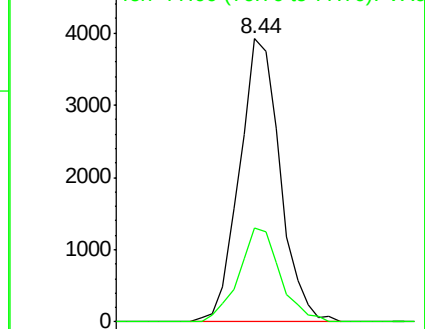
75 100

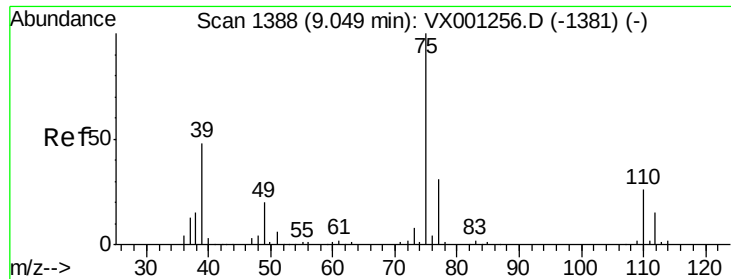
77 33.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





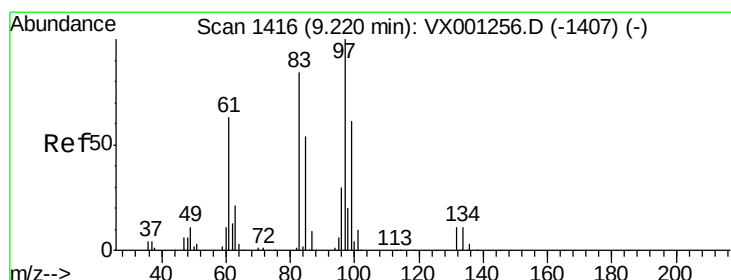
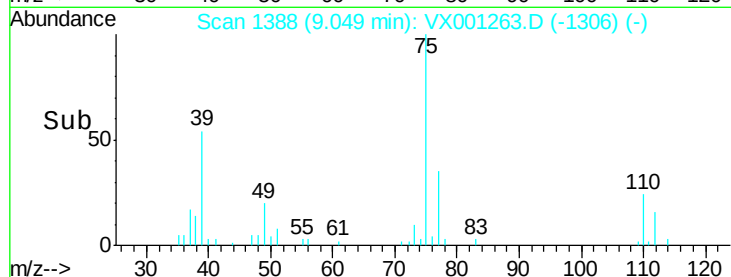
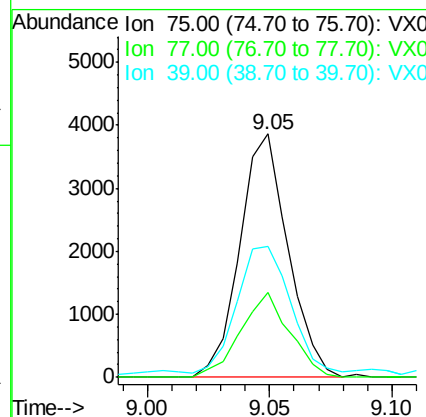
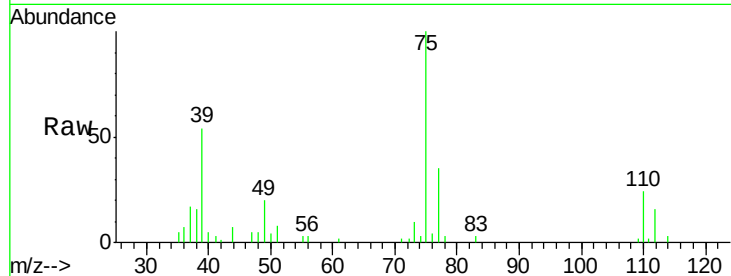
#49
 cis-1,3-Dichloropropene
 Concen: 1.68 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.7	24.5	36.7
39	52.1	35.6	53.4

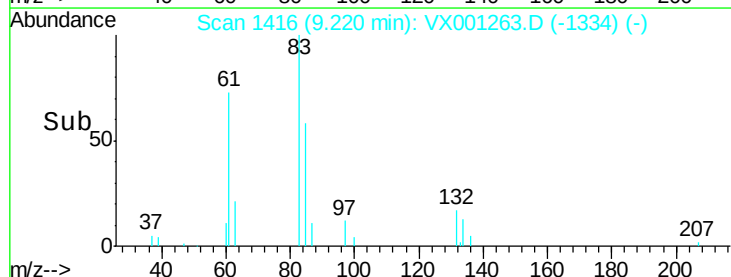
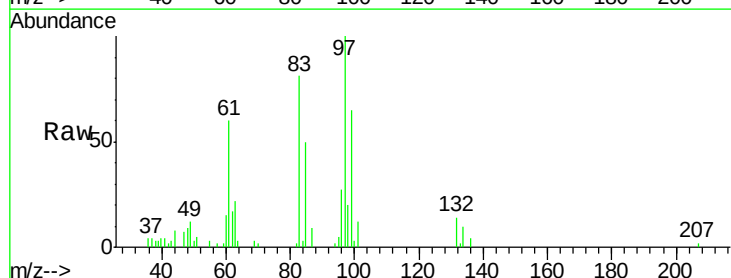
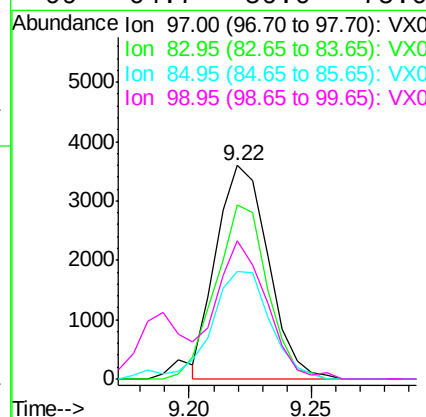
Manual Integrations
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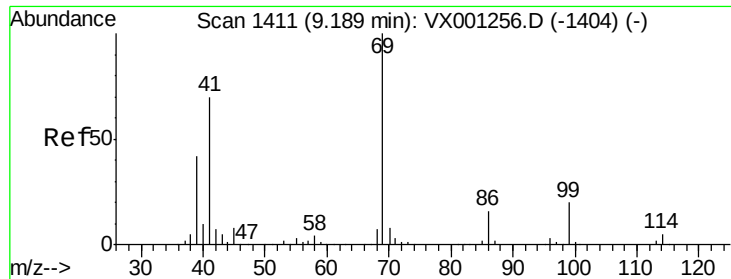
MMDadoda
 5/2/2018 11:08:08 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.42 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.9	100.3
85	50.1	44.4	66.6
99	64.7	50.0	75.0





#51

Ethyl methacrylate

Concen: 2.17 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

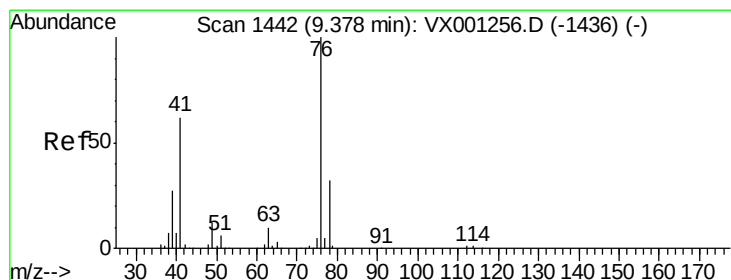
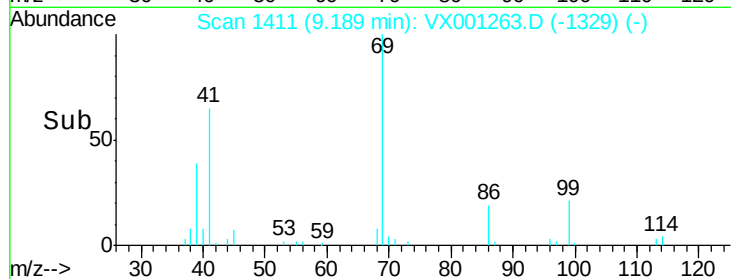
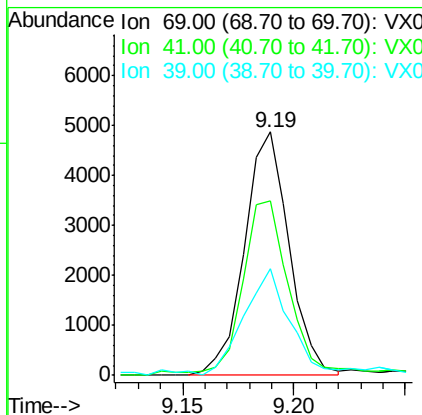
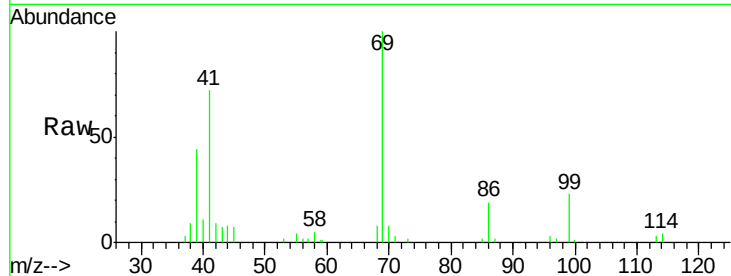
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	69	Resp:	6819
Ion	Ratio	Lower	Upper
69	100		
41	70.7	32.1	96.3
39	42.0	19.6	58.7

Manual Integrations
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MMDadoda
5/2/2018 11:08:08 AM



#52

1,3-Dichloropropane

Concen: 2.45 ug/l

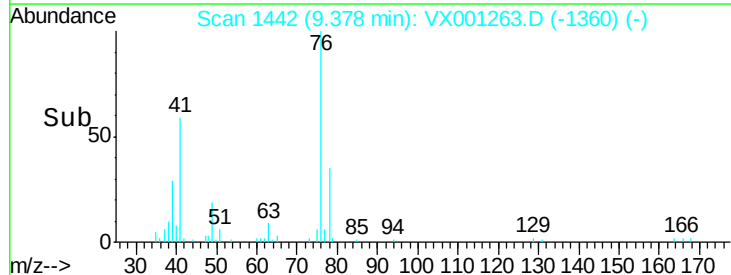
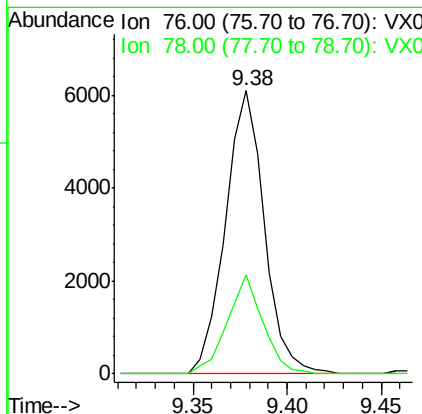
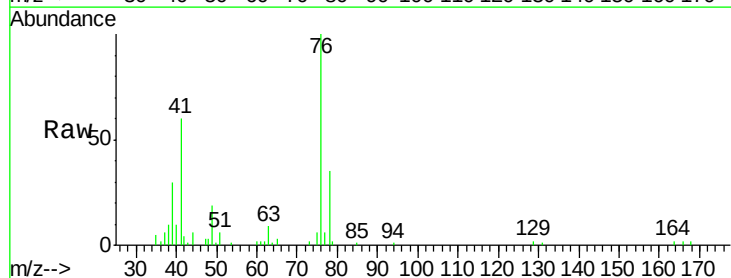
RT: 9.38 min Scan# 1442

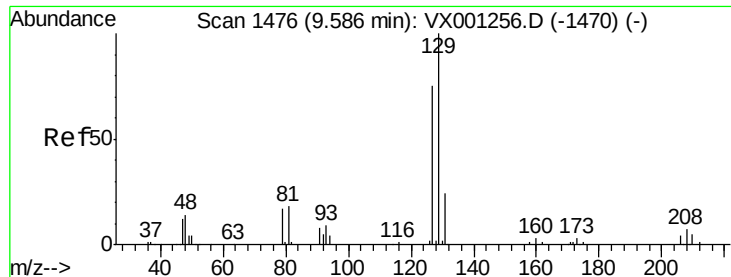
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	76	Resp:	8726
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.0





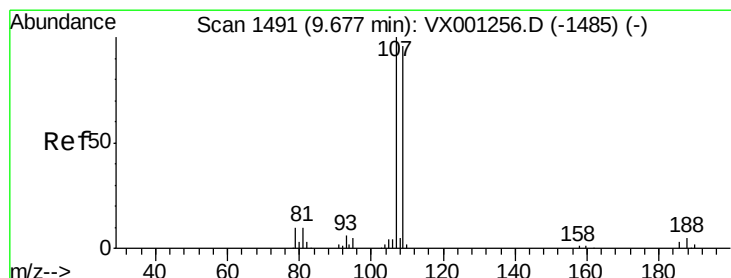
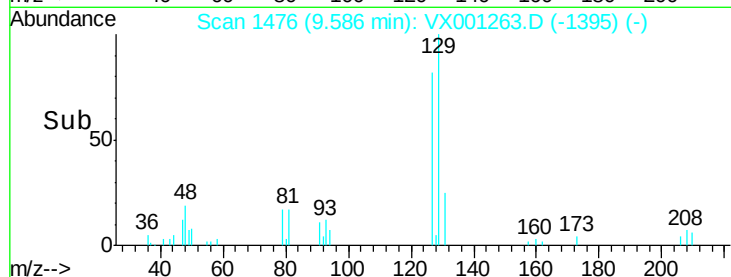
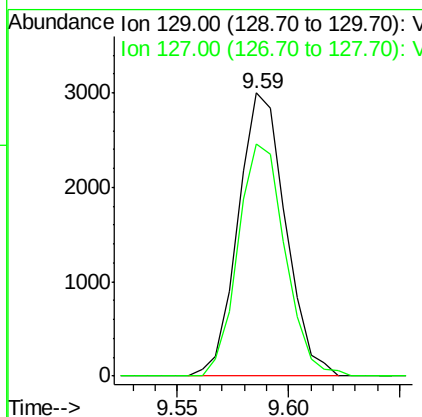
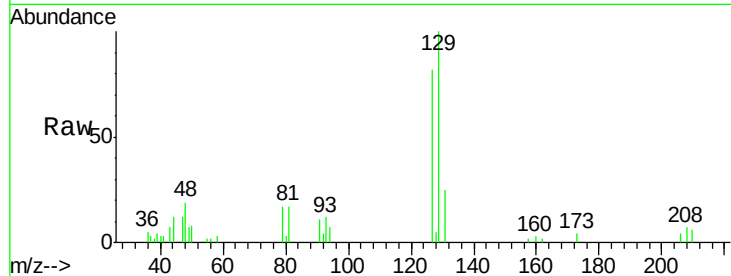
#53
 Dibromochloromethane
 Concen: 1.83 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.6	37.5	112.5	

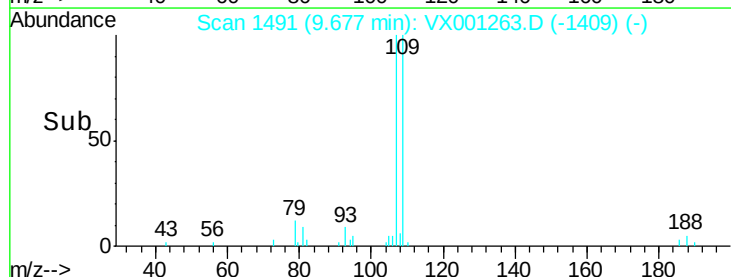
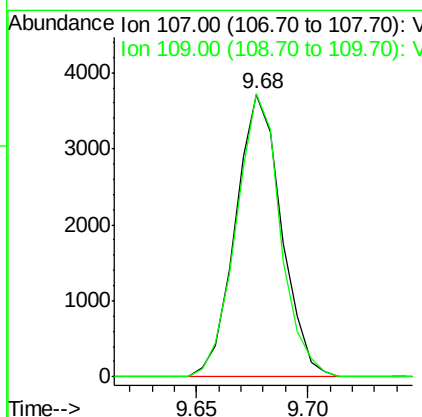
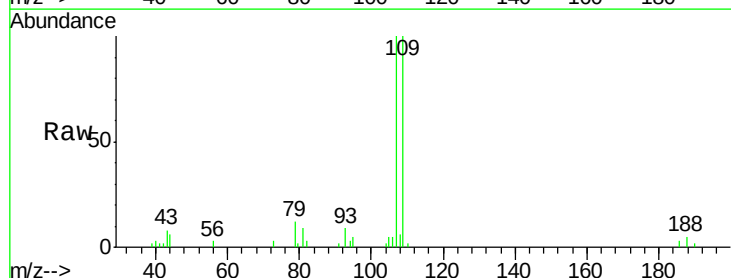
Manual Integrations
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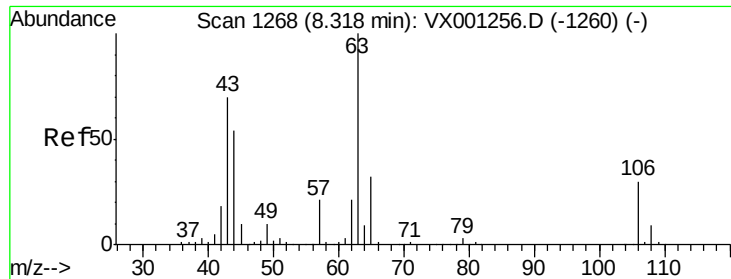
MMDadoda
 5/2/2018 11:08:08 AM



#54
 1,2-Dibromoethane
 Concen: 2.26 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	96.7	74.5	111.7	





#55

2-Chloroethyl vinyl ether

Concen: 10.69 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

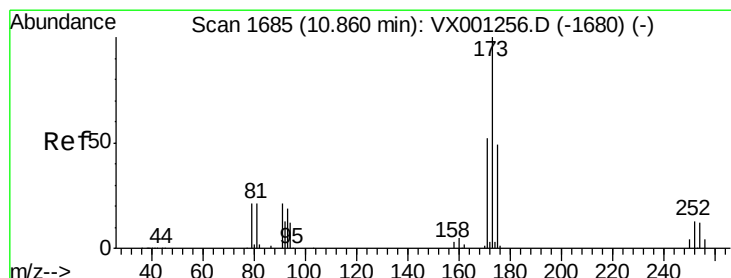
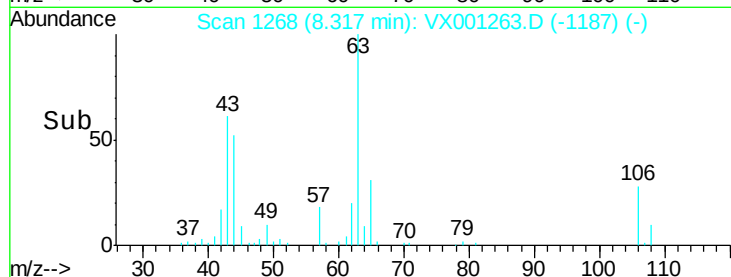
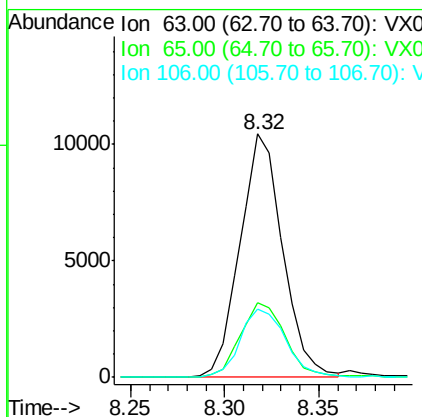
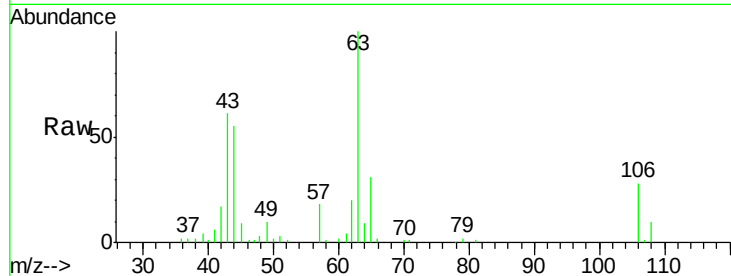
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	63	Resp:	16442
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.8
106	29.9	23.8	35.6

Manual Integrations
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5/2/2018 11:08:08 AM



#56

Bromoform

Concen: 1.69 ug/l

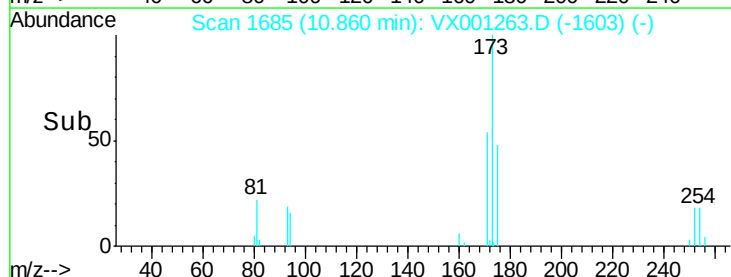
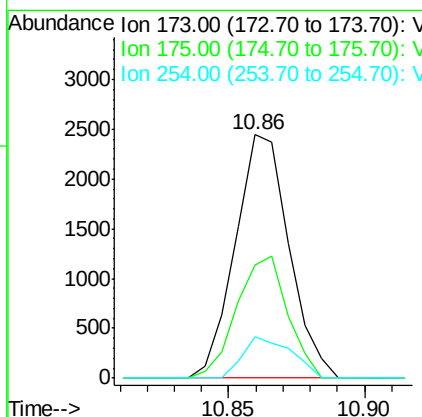
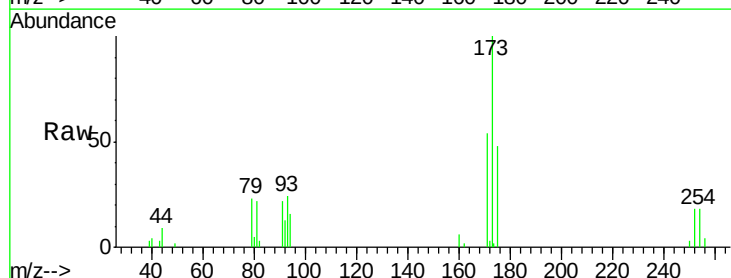
RT: 10.86 min Scan# 1685

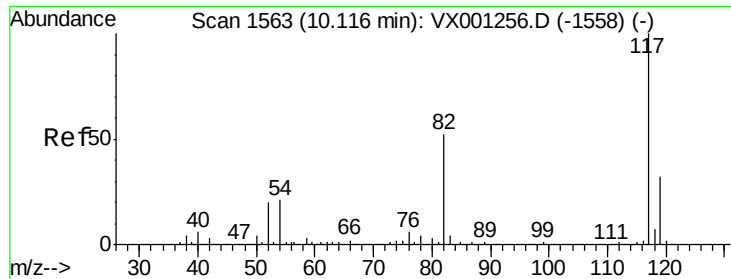
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	173	Resp:	3357
Ion	Ratio	Lower	Upper
173	100		
175	47.4	39.0	58.4
254	15.2	7.0	10.4#





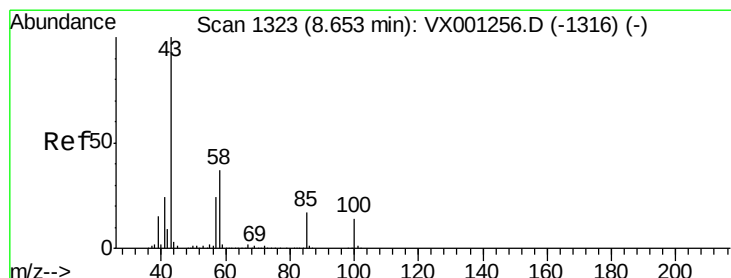
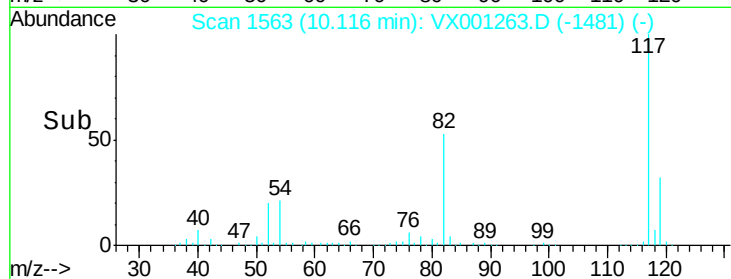
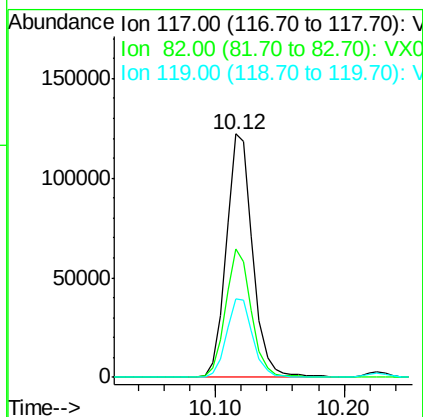
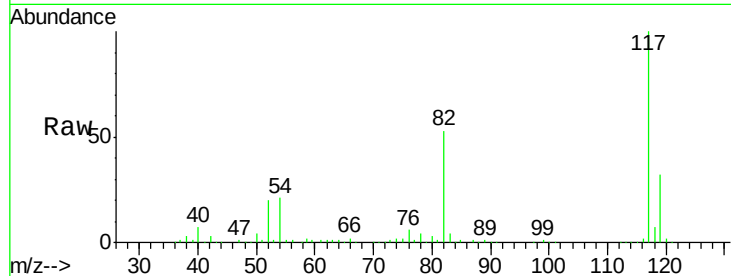
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.0	64.4
119	32.2	25.8	38.8

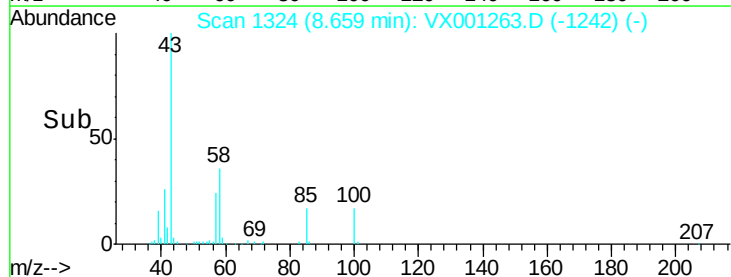
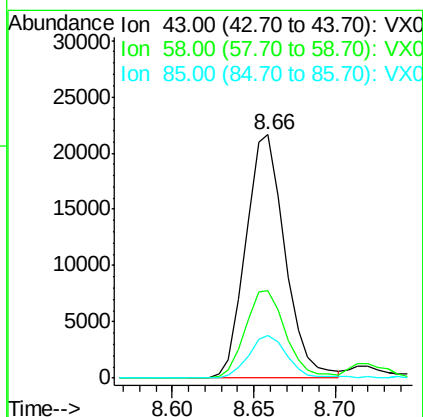
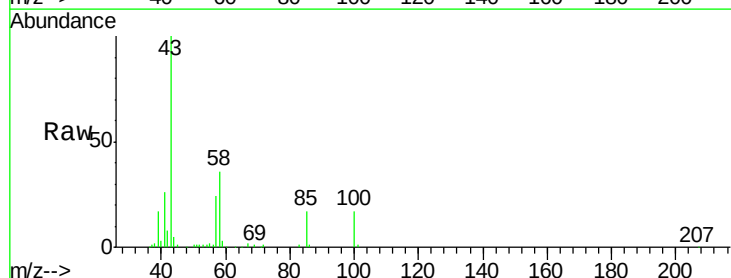
Manual Integrations
APPROVED

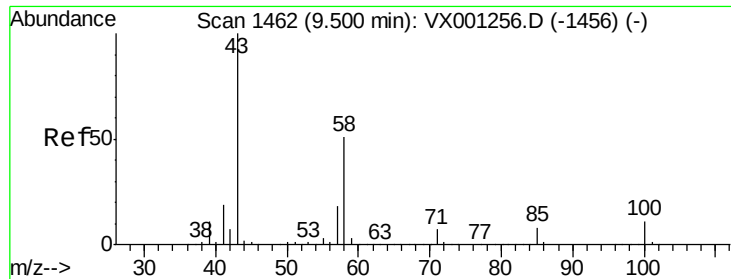
MMDadoda
5/2/2018 11:08:08 AM



#58
4-Methyl-2-Pentanone
Concen: 12.51 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.8	44.8
85	17.4	14.9	22.3





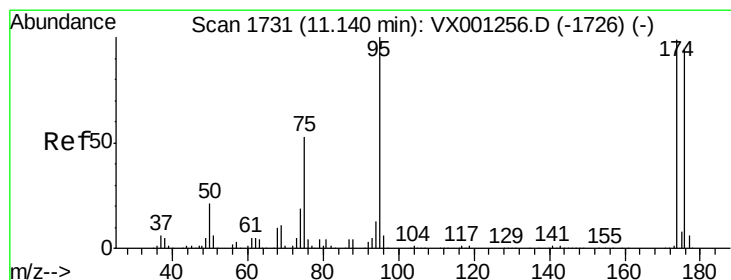
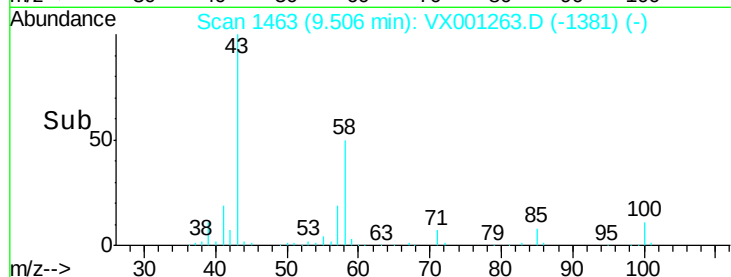
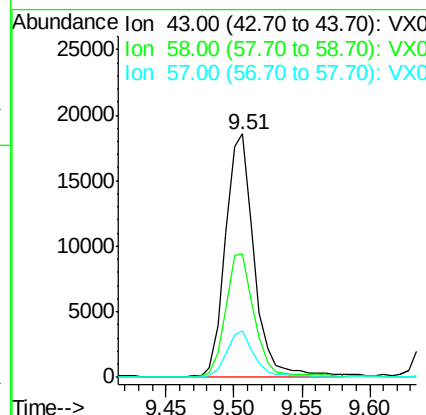
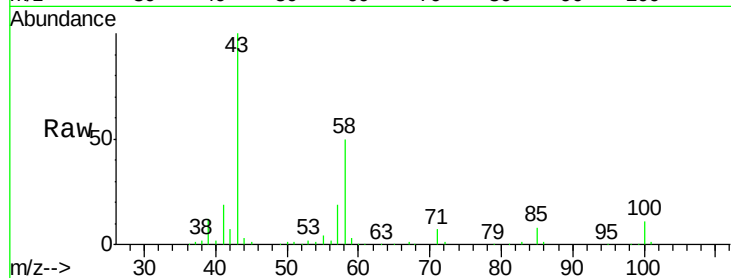
#59
2-Hexanone
Concen: 11.99 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	43.0	64.6
57	18.2	14.4	21.6

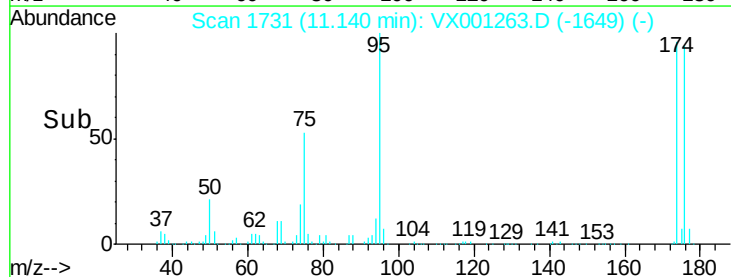
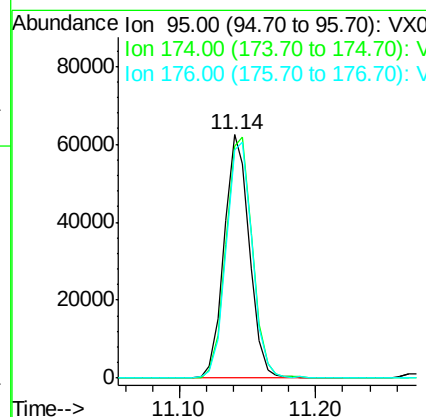
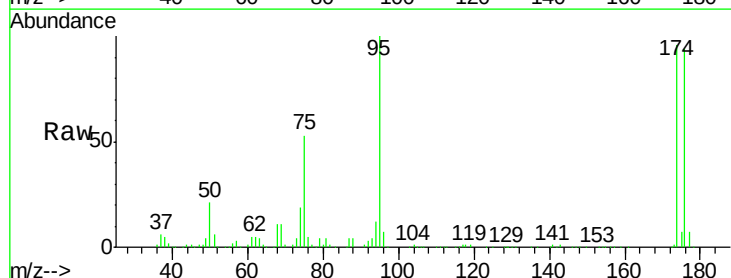
Manual Integrations
APPROVED

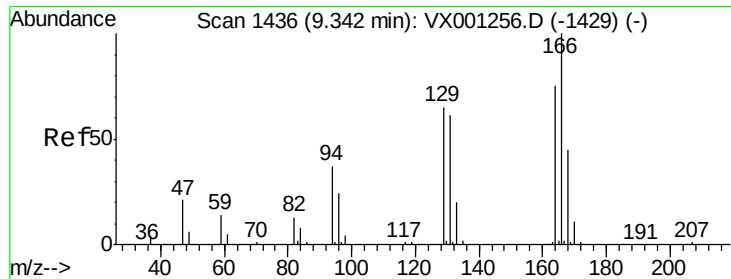
MMDadoda
5/2/2018 11:08:08 AM



#60
4-Bromofluorobenzene
Concen: 27.22 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.6	71.1	106.7
176	99.9	69.3	103.9





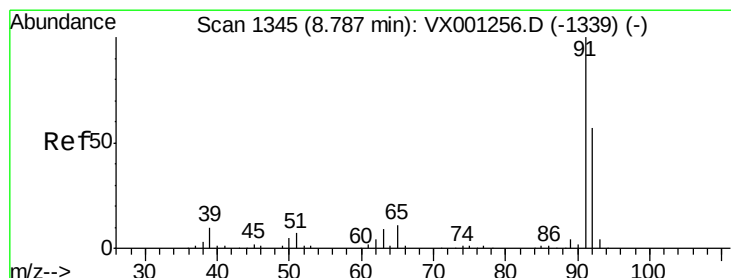
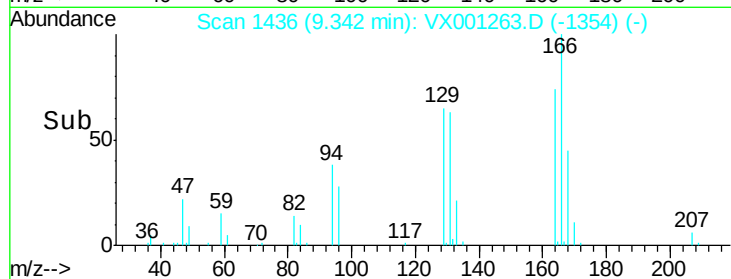
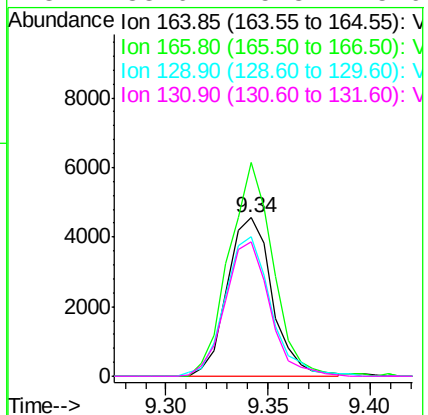
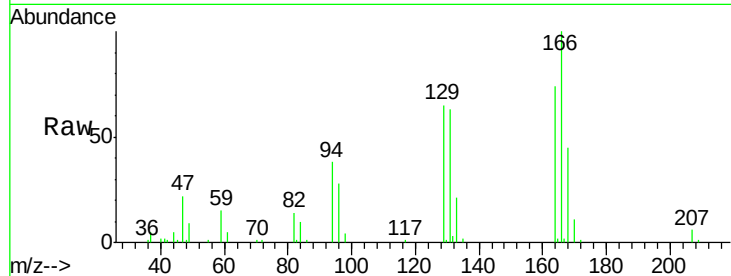
#61
Tetrachloroethene
Concen: 2.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.7	99.0	148.4
129	86.1	77.0	115.6
131	83.6	75.8	113.6

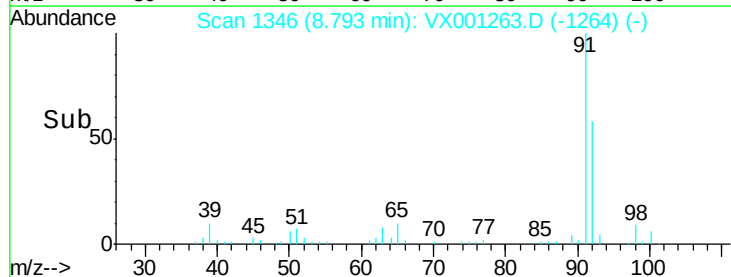
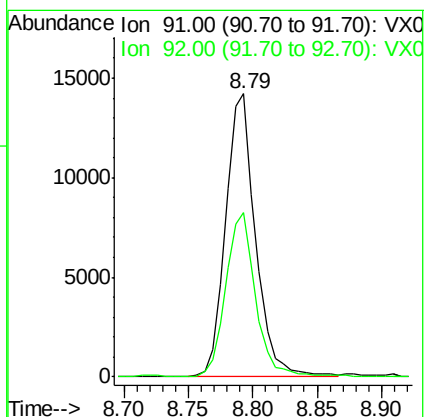
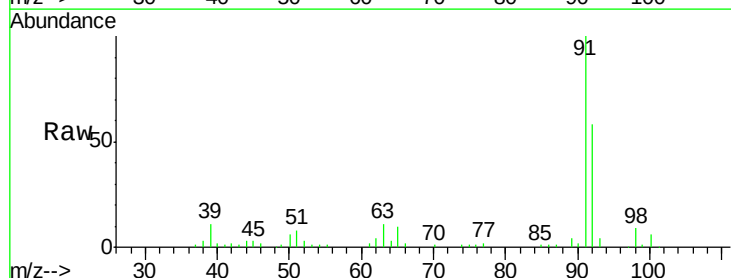
Manual Integrations
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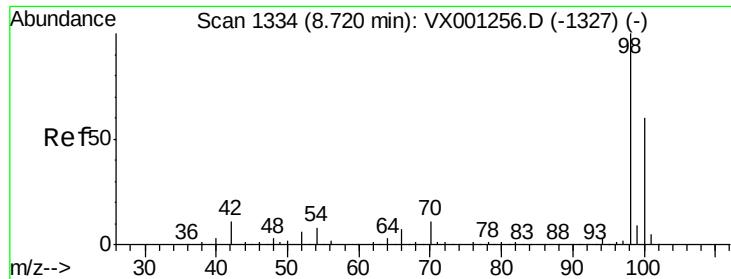
MMDadoda
5/2/2018 11:08:08 AM



#62
Toluene
Concen: 2.46 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.4	68.0





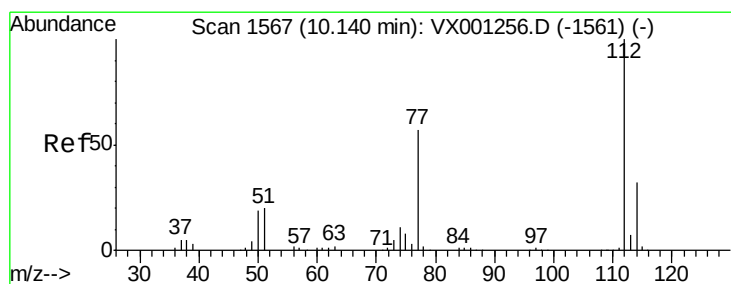
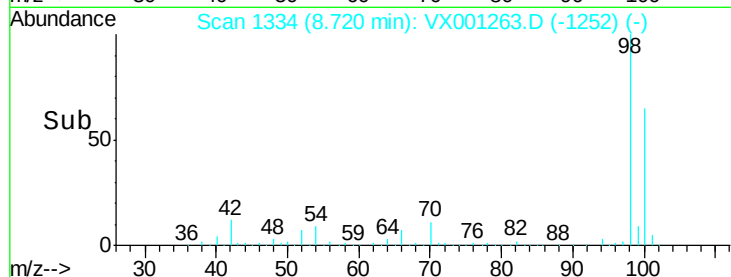
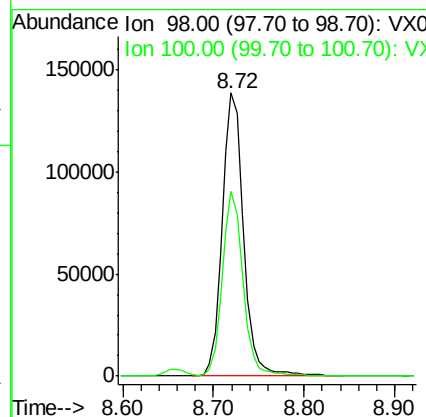
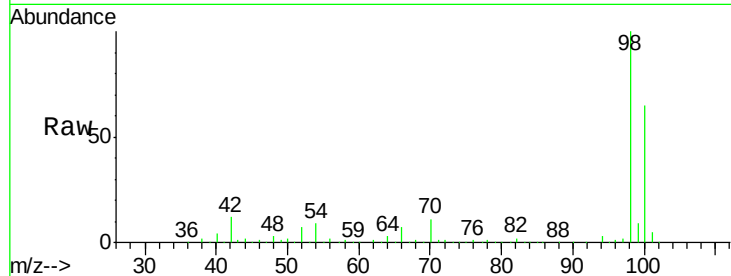
#63
Toluene-d8
Concen: 30.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion: 98 Resp: 228629
Ion Ratio Lower Upper
98 100
100 63.3 50.0 75.0

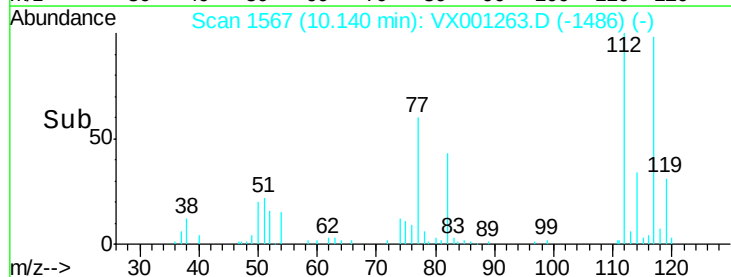
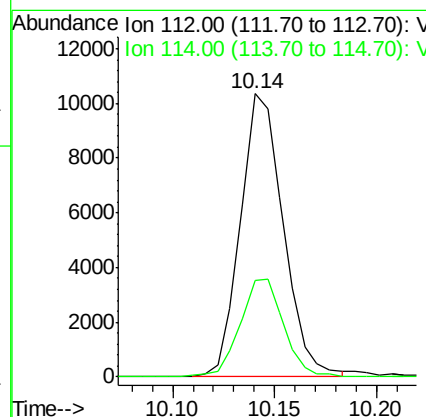
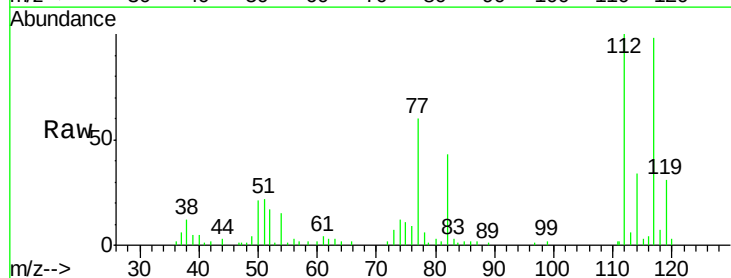
Manual Integrations
APPROVED

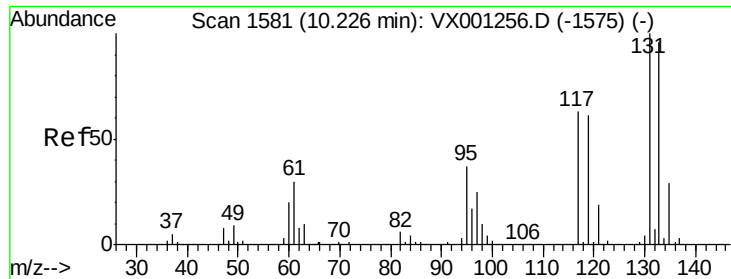
MMDadoda
5/2/2018 11:08:08 AM



#64
Chlorobenzene
Concen: 2.37 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 112 Resp: 15104
Ion Ratio Lower Upper
112 100
114 34.1 26.4 39.6





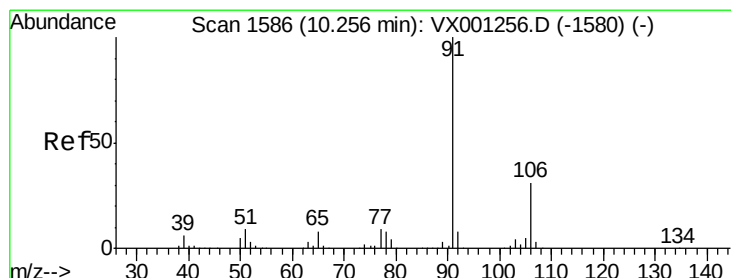
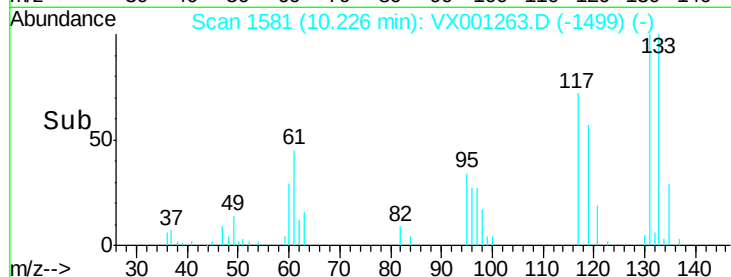
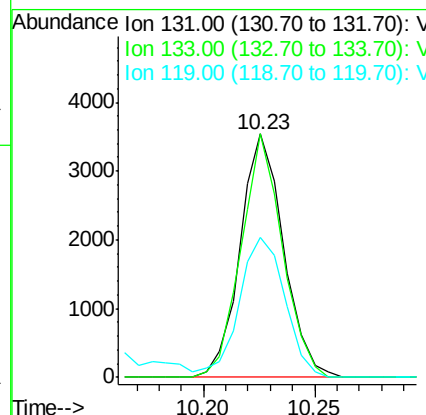
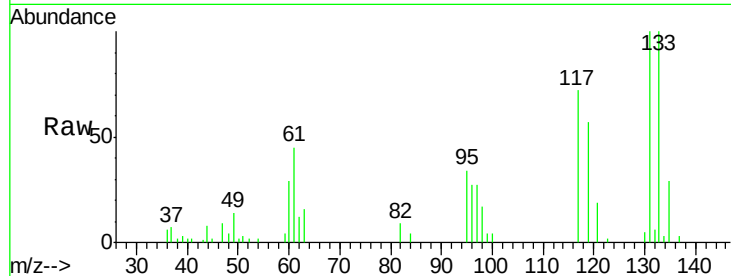
#65
 1,1,1,2-Tetrachloroethane
 Concen: 2.07 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	187.6
119	60.5	0.0	134.0

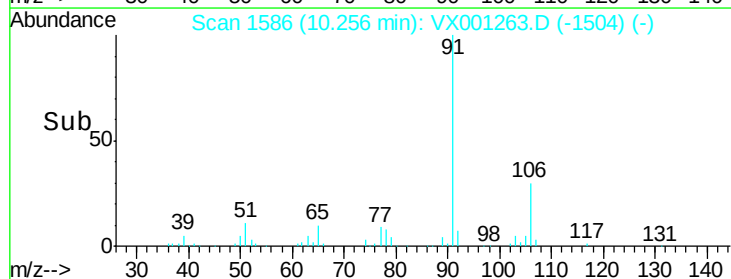
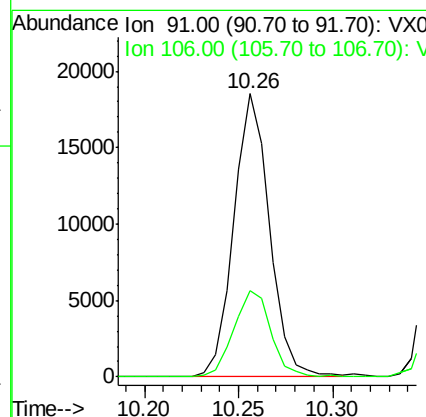
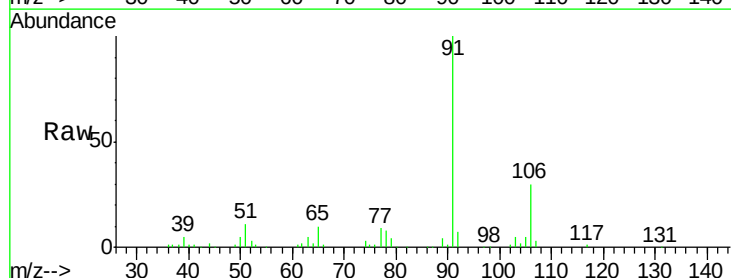
Manual Integrations
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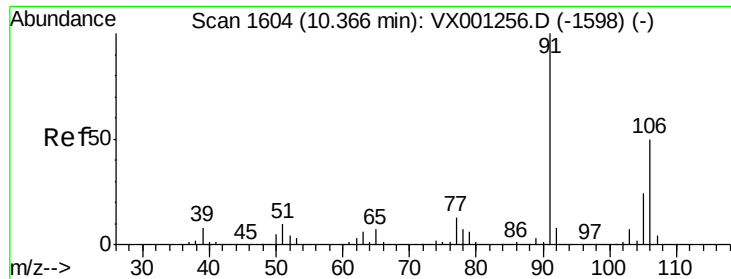
MMDadoda
 5/2/2018 11:08:08 AM



#66
 Ethyl Benzene
 Concen: 2.32 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.9	38.9





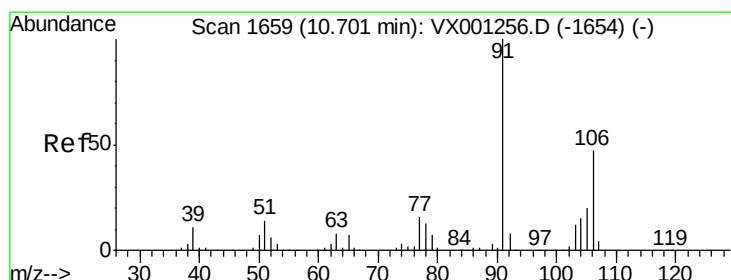
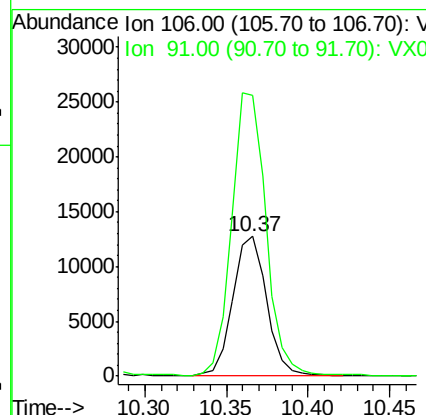
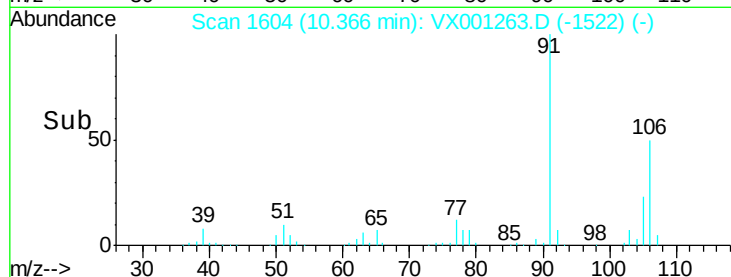
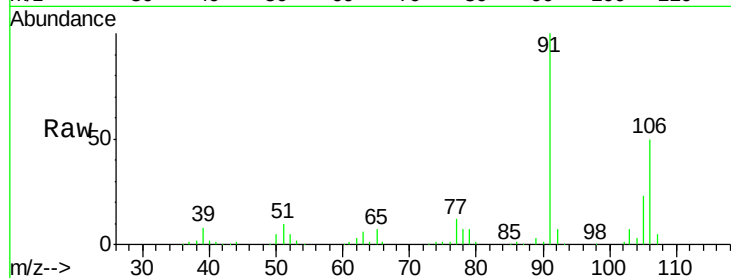
#67
m/p-Xylenes
Concen: 4.44 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion:106 Resp: 18546
Ion Ratio Lower Upper
106 100
91 204.0 161.6 242.4

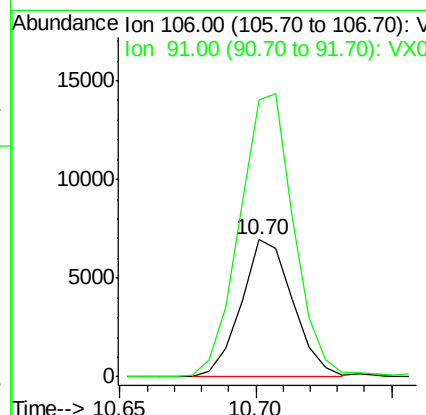
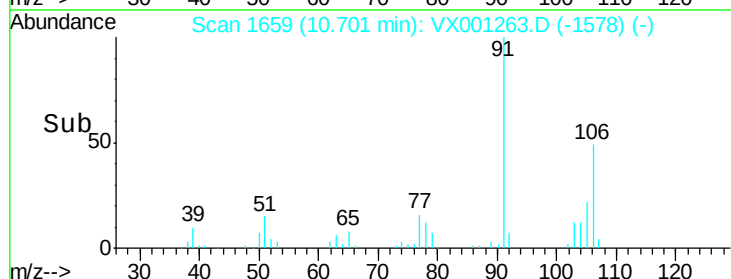
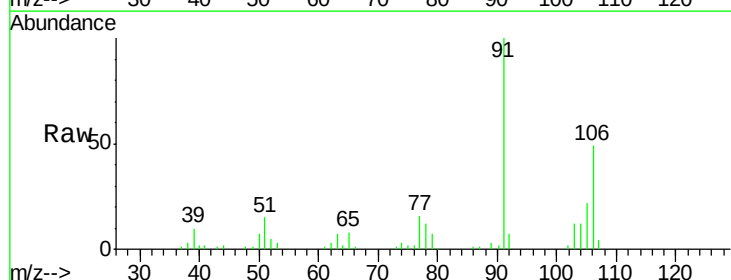
Manual Integrations
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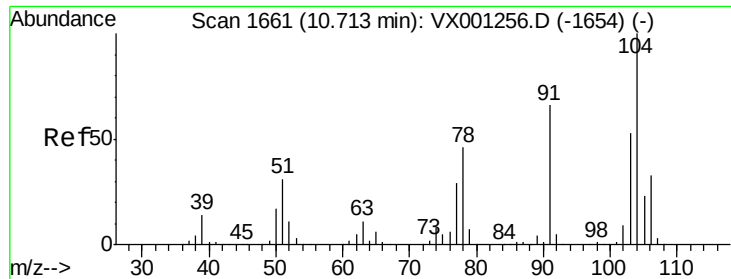
MMDadoda
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#68
o-Xylene
Concen: 2.27 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:106 Resp: 9189
Ion Ratio Lower Upper
106 100
91 216.3 105.6 316.8





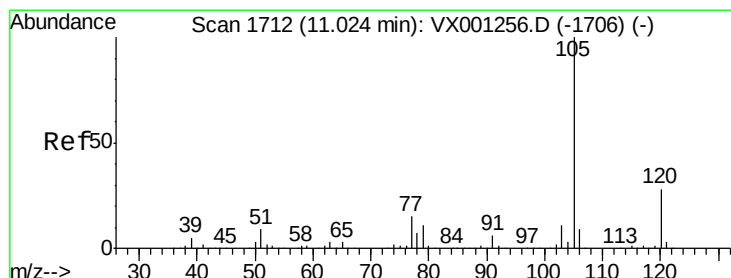
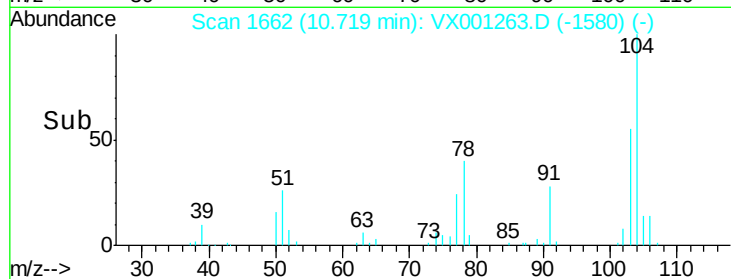
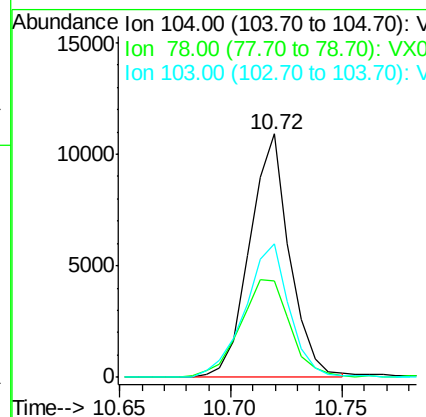
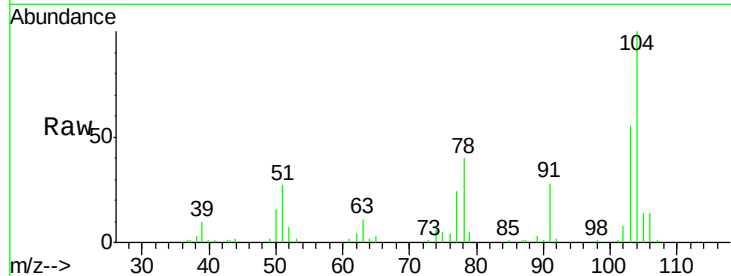
#69
Stvrene
Concen: 2.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.0	58.4
103	61.2	44.7	67.1

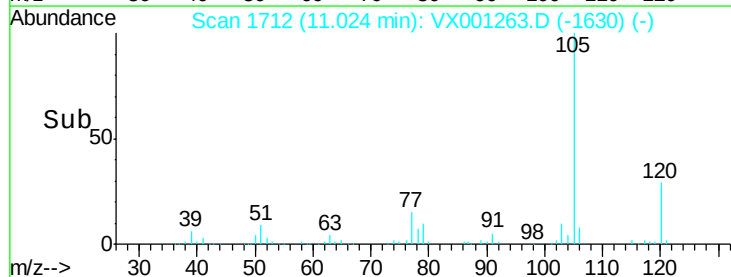
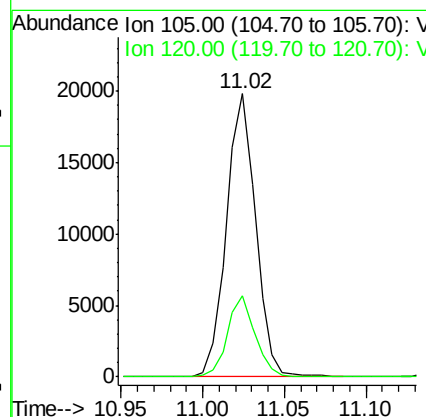
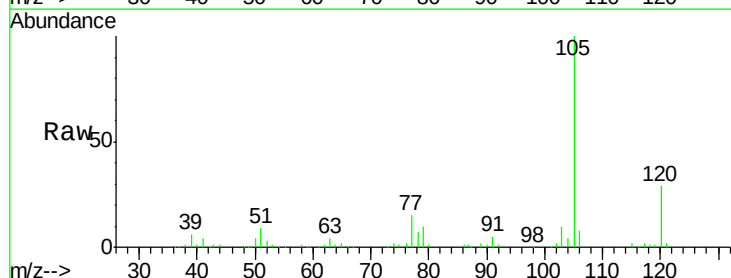
Manual Integrations
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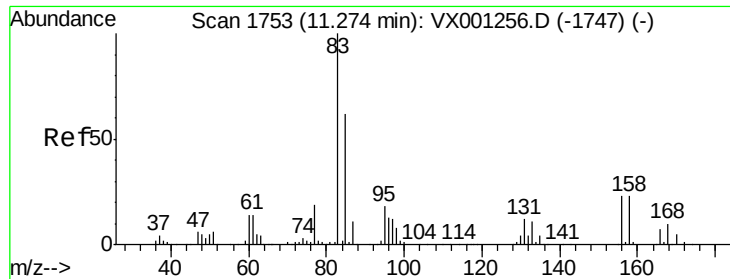
MMDadoda
5/2/2018 11:08:08 AM



#70
Isopropylbenzene
Concen: 2.25 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.8	35.0





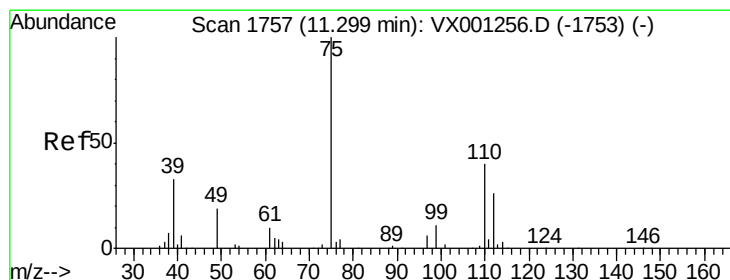
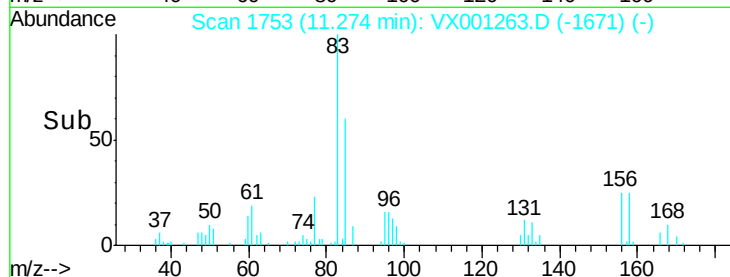
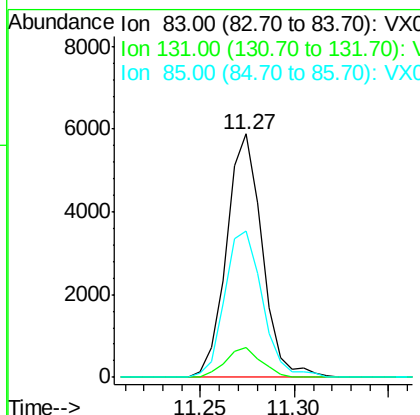
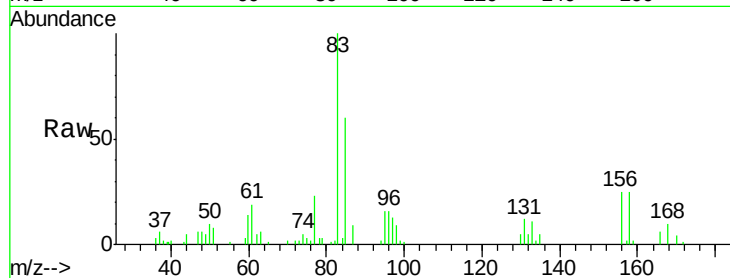
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.40 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
83	100	7736		
131	12.3		5.3	16.1
85	63.3		32.5	97.5

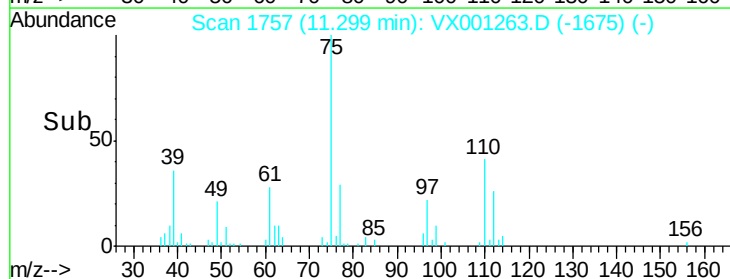
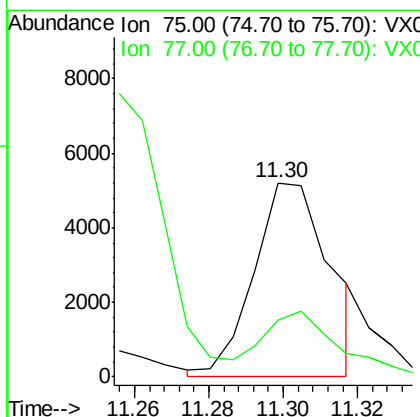
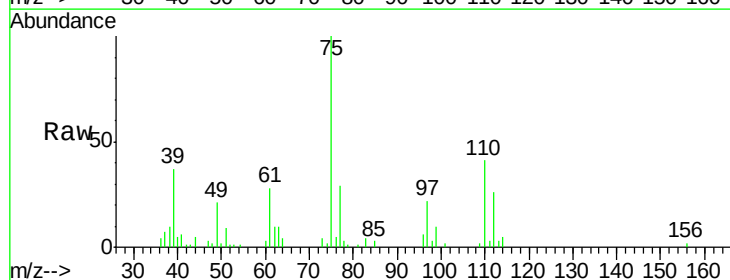
Manual Integrations
 APPROVED

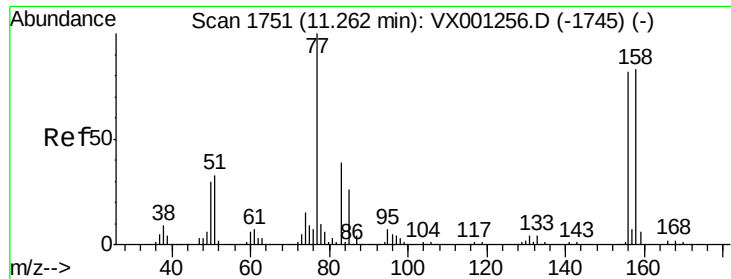
MMDadoda
 5/2/2018 11:08:08 AM



#72
 1,2,3-Trichloropropane
 Concen: 2.56 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7371		
77	34.0		0.0	85.8





#73

Bromobenzene

Concen: 2.39 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

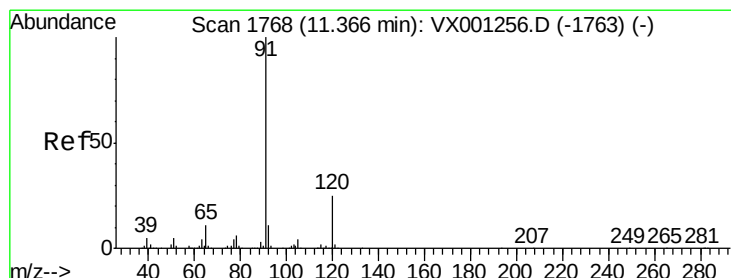
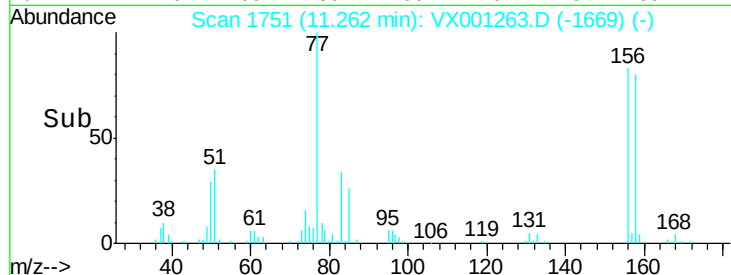
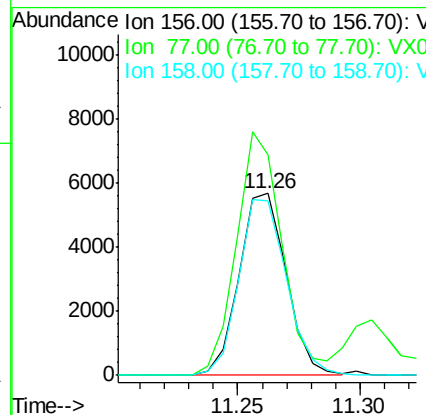
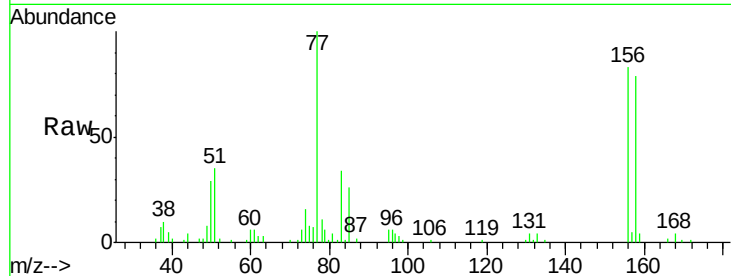
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	156	Resp:	7621
Ion	Ratio	Lower	Upper
156	100		
77	129.5	0.0	280.2
158	97.9	0.0	197.2

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5/2/2018 11:08:08 AM



#74

n-propylbenzene

Concen: 2.19 ug/l

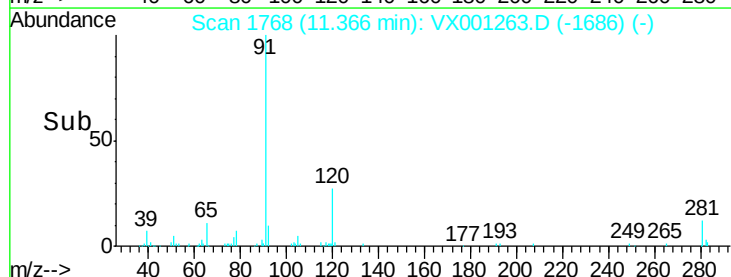
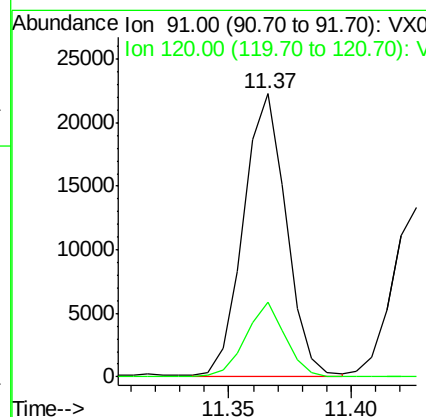
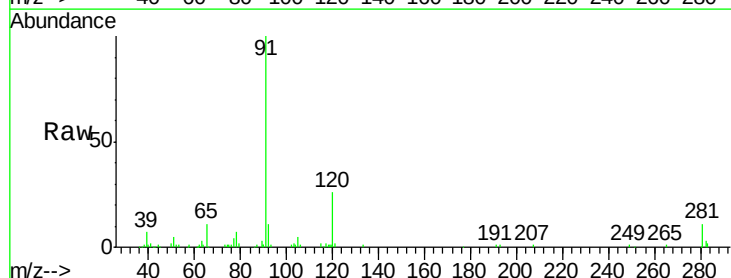
RT: 11.37 min Scan# 1768

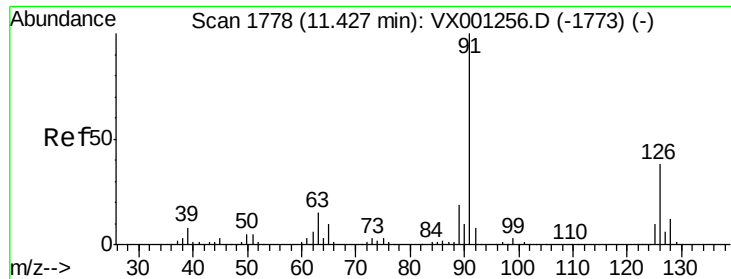
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	91	Resp:	27177
Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	47.4





#75

2-Chlorotoluene

Concen: 2.27 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 91 Resp: 16992

Ion Ratio Lower Upper

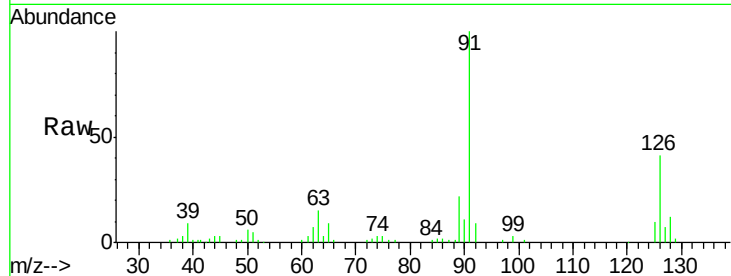
91 100

126 37.9 0.0 71.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX001256.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001256.D (-1773) (-)

25000

20000

15000

10000

5000

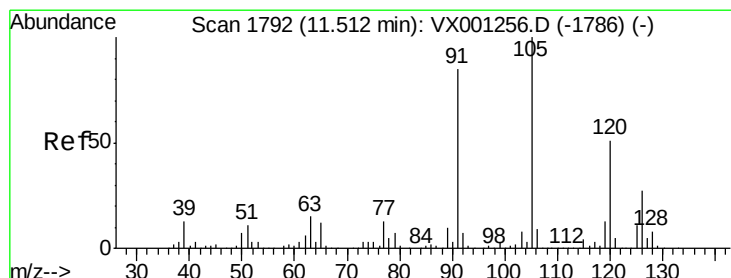
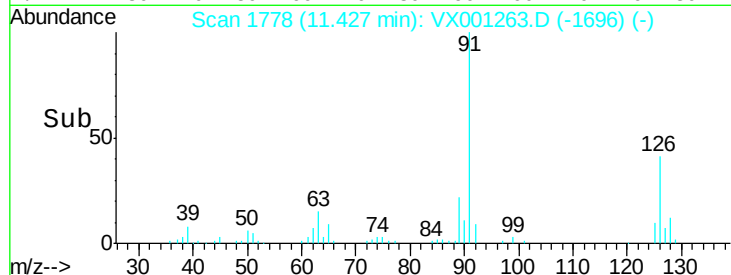
0

11.40

11.43

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 2.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001263.D

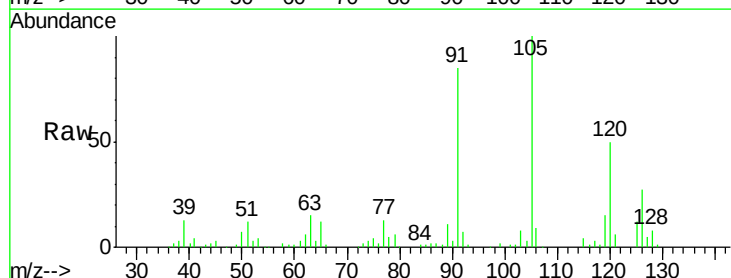
Acq: 30 Apr 2018 19:39

Tgt Ion: 105 Resp: 20053

Ion Ratio Lower Upper

105 100

120 50.6 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): VX001256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001256.D (-1786) (-)

15000

10000

5000

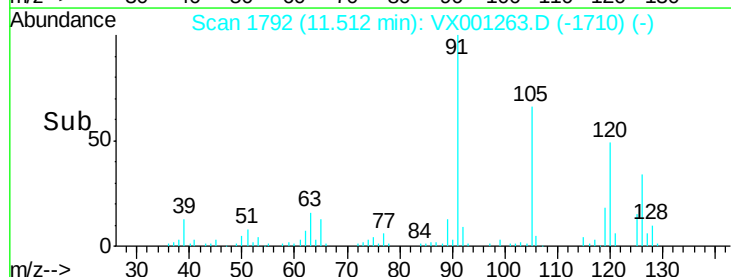
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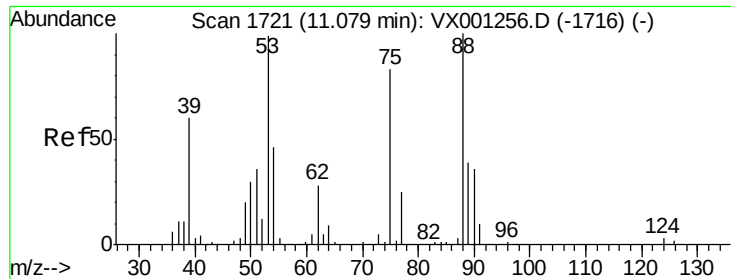
11.45

11.51

11.55

Time-->





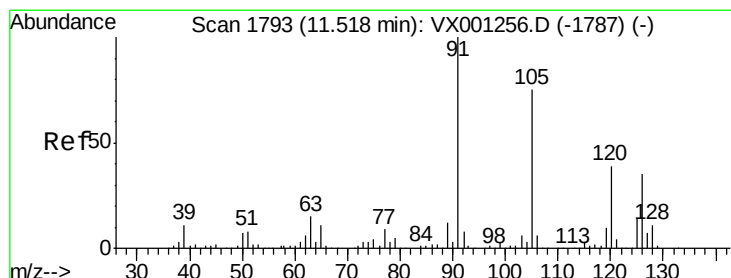
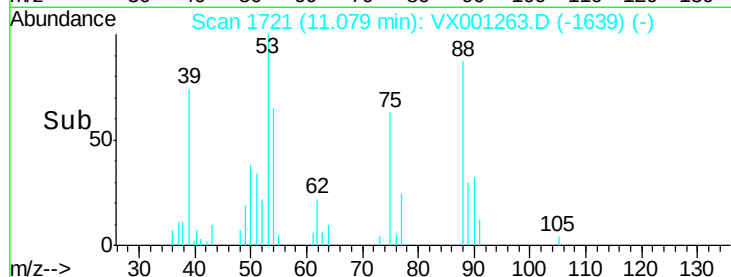
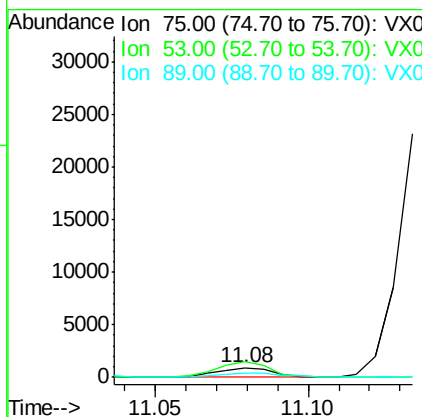
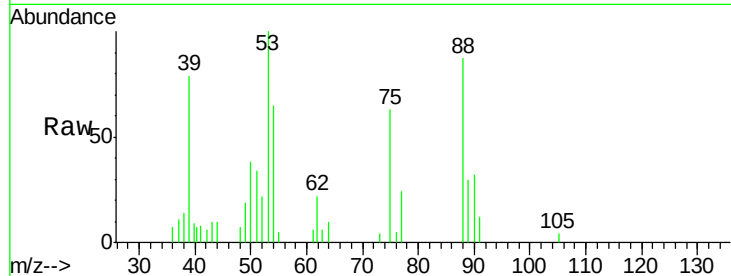
#77
t-1,4-Dichloro-2-butene
Concen: 1.40 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
53	159.3	47.8	143.3#
89	48.4	22.3	66.8

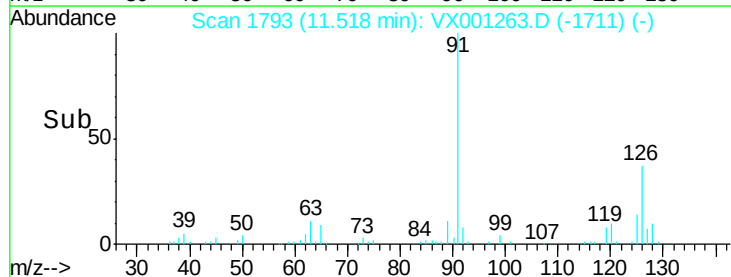
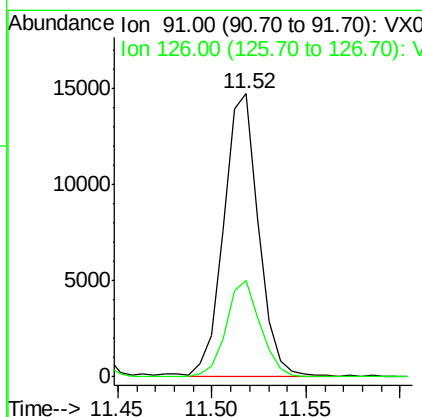
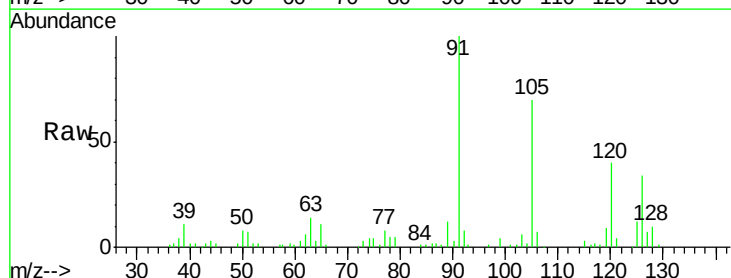
Manual Integrations
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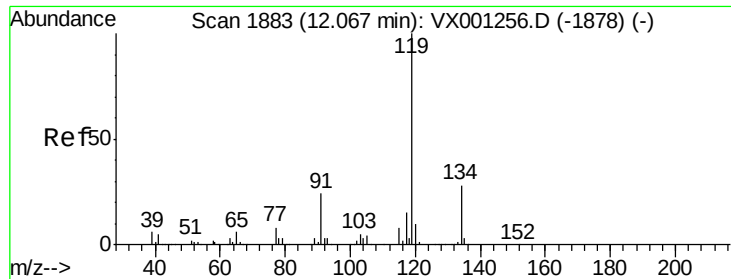
MMDadoda
5/2/2018 11:08:08 AM



#78
4-Chlorotoluene
Concen: 2.11 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	63.4





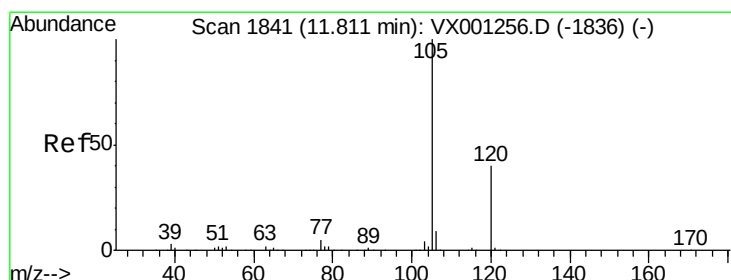
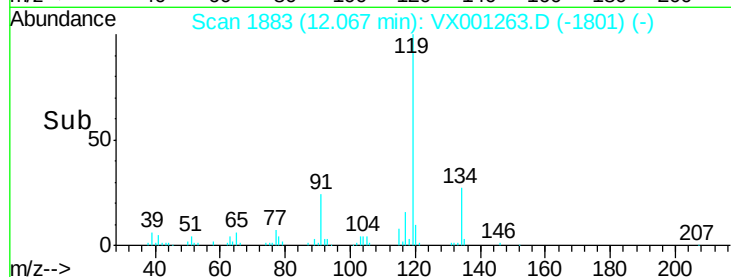
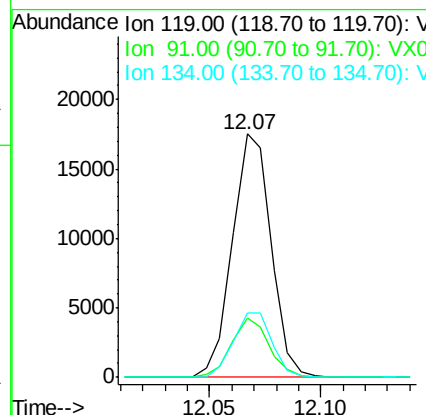
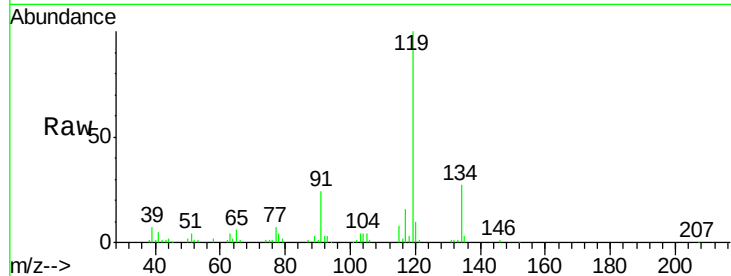
#79
tert-butylbenzene
Concen: 2.12 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	21219		
91	23.7		0.0	51.6
134	27.0		0.0	60.2

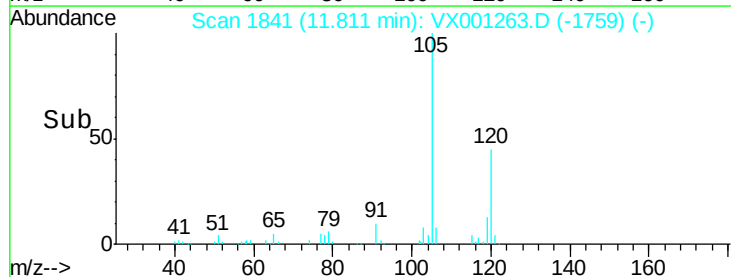
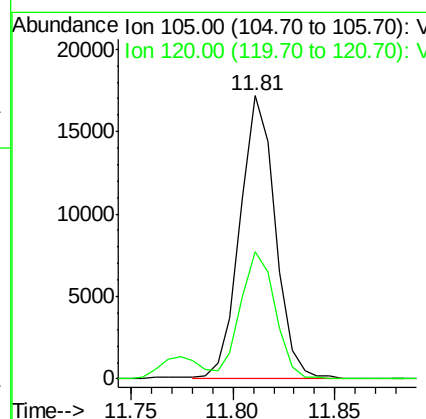
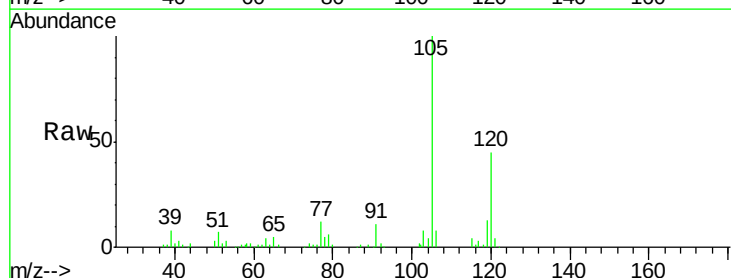
Manual Integrations
APPROVED

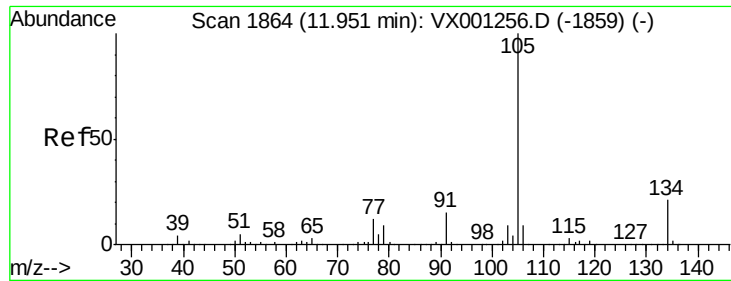
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#80
1,2,4-Trimethylbenzene
Concen: 2.17 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20619		
120	44.0		0.0	93.0





#81

sec-Butylbenzene

Concen: 2.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:105 Resp: 23737

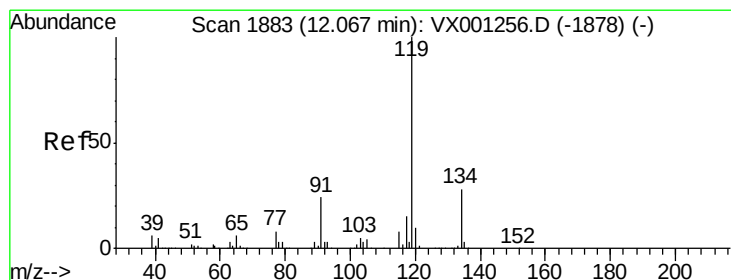
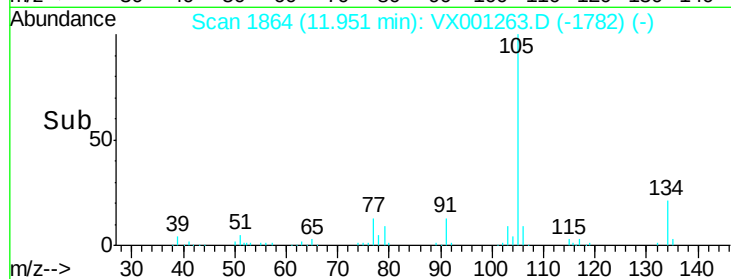
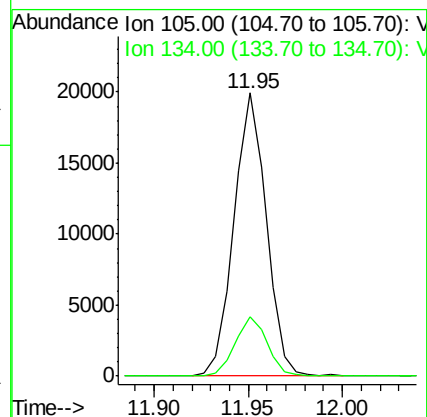
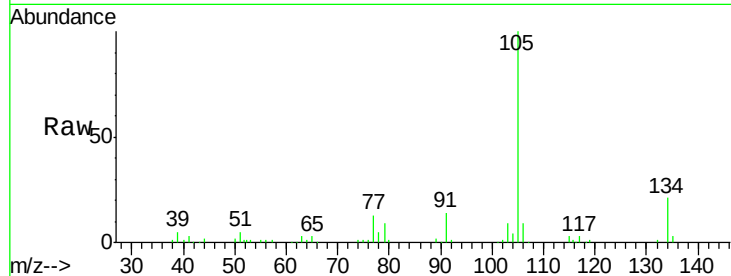
Ion Ratio Lower Upper

105 100

134 20.5 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 2.12 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

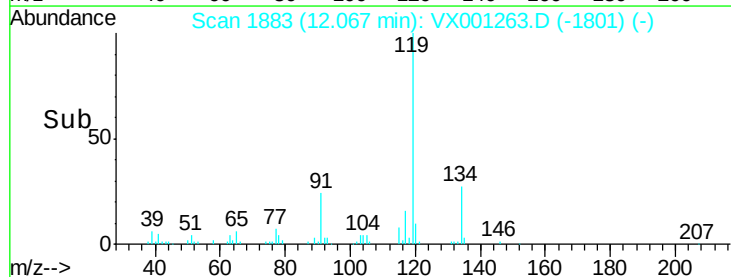
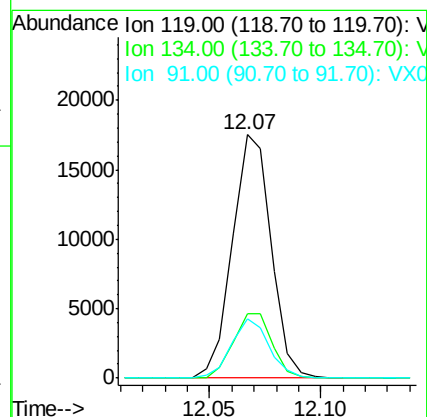
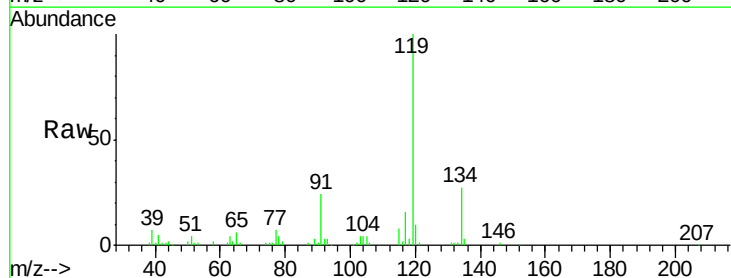
Tgt Ion:119 Resp: 21219

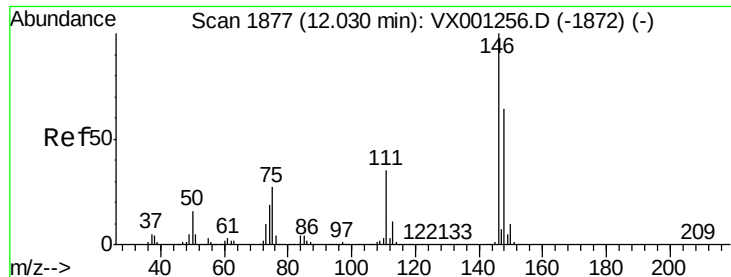
Ion Ratio Lower Upper

119 100

134 27.0 0.0 54.4

91 23.7 0.0 46.6





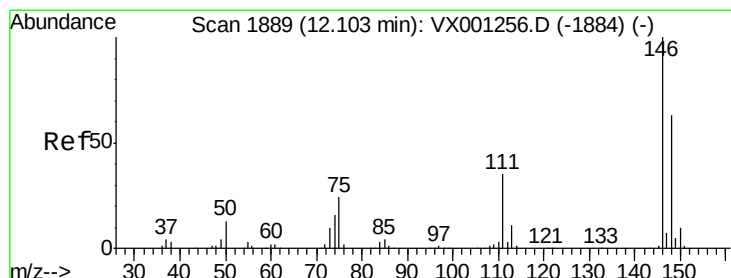
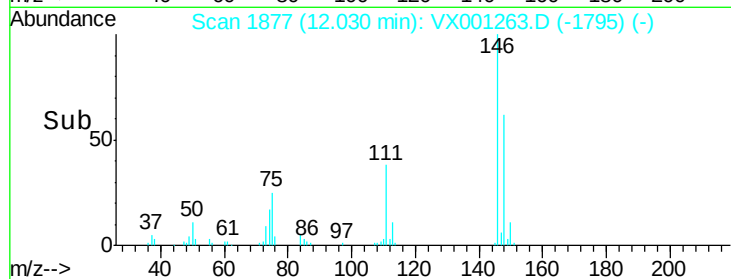
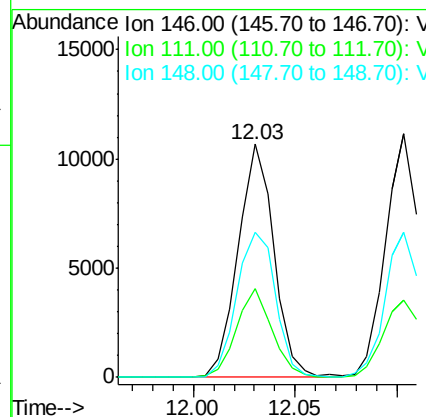
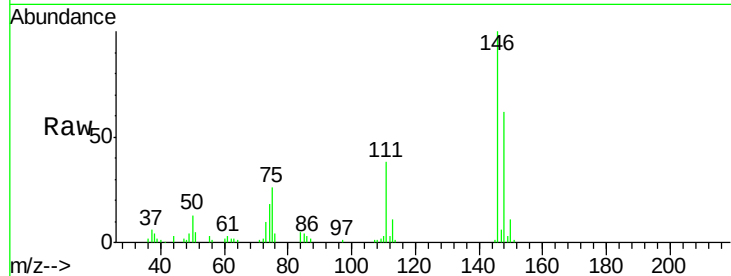
#83
 1,3-Dichlorobenzene
 Concen: 2.24 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.4	58.2
148	67.3	32.6	97.7

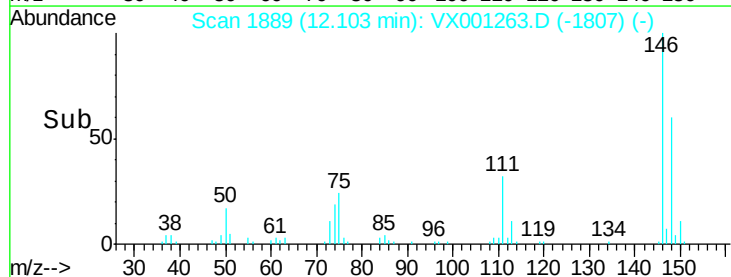
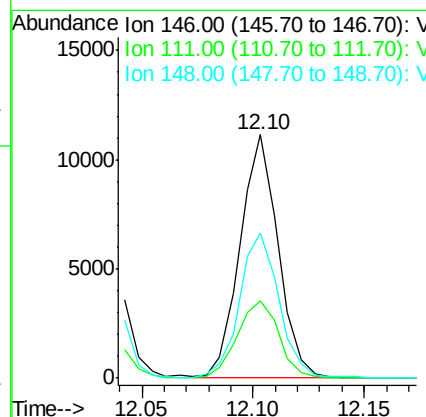
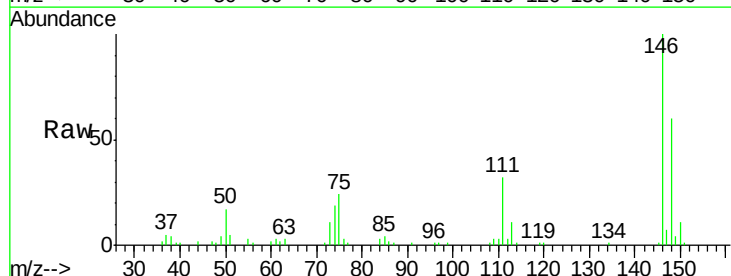
Manual Integrations
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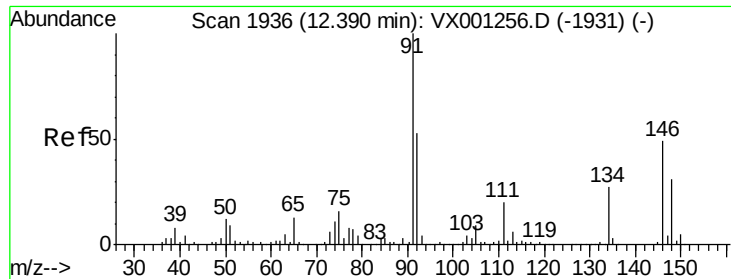
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#84
 1,4-Dichlorobenzene
 Concen: 2.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	18.4	55.0
148	61.8	31.9	95.7





#85

n-Butylbenzene

Concen: 2.00 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

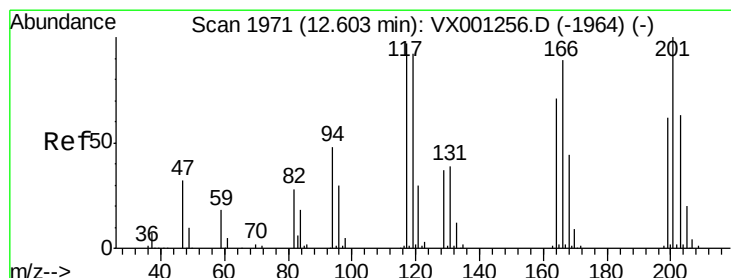
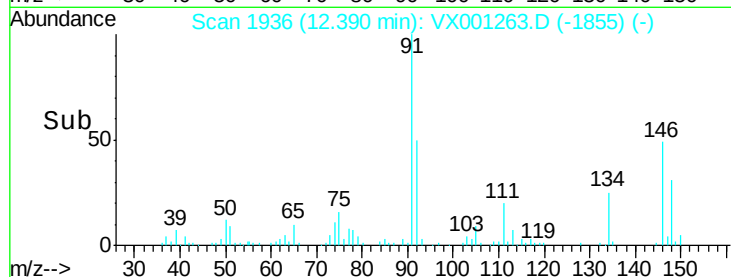
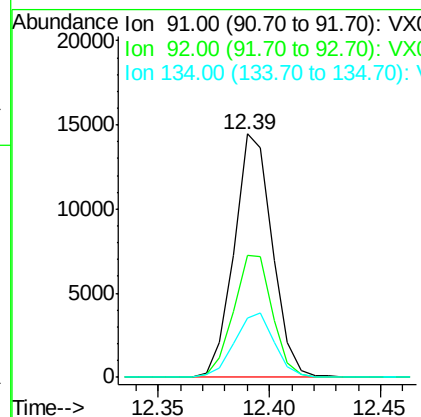
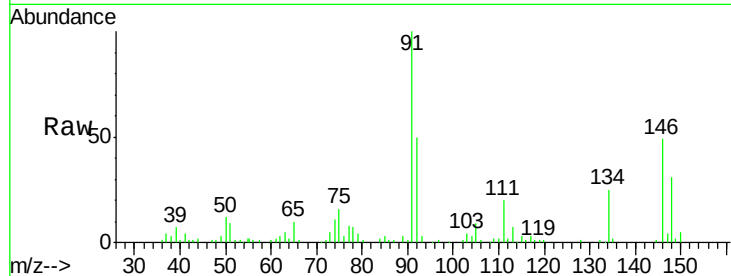
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	91	Resp:	17289
Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	102.0
134	27.7	0.0	54.2

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#86

Hexachloroethane

Concen: 1.88 ug/l

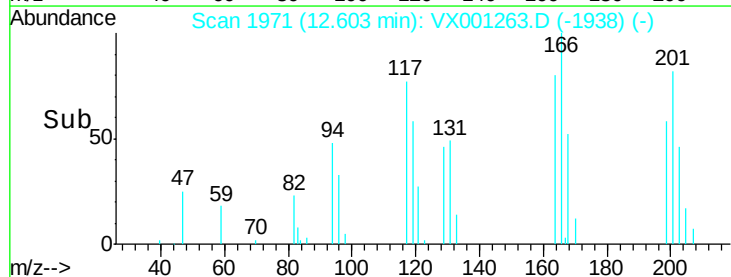
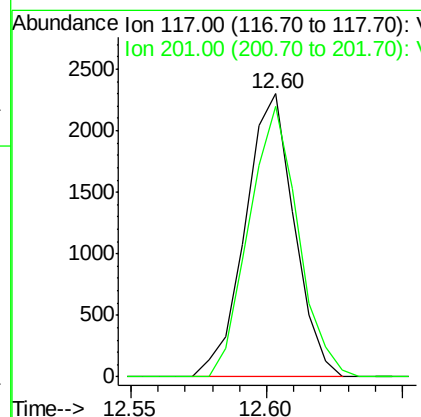
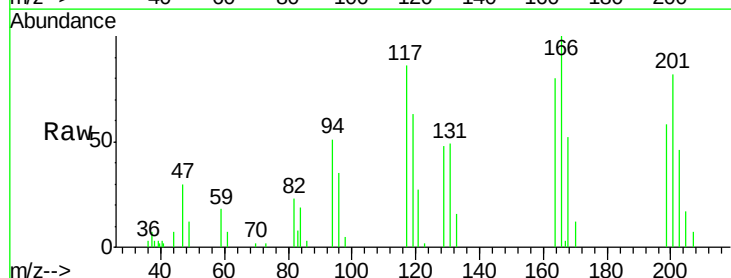
RT: 12.60 min Scan# 1971

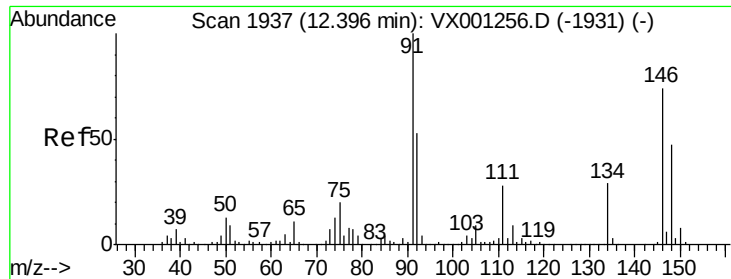
Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	117	Resp:	2879
Ion	Ratio	Lower	Upper
117	100		
201	95.7	38.9	116.6





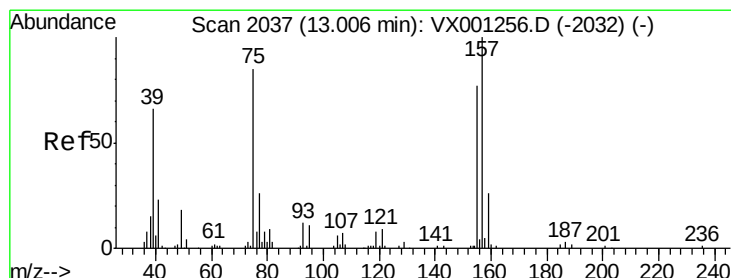
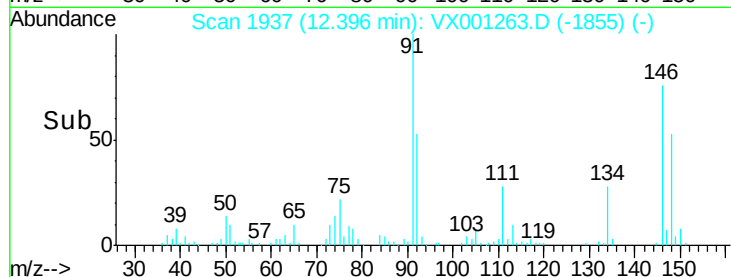
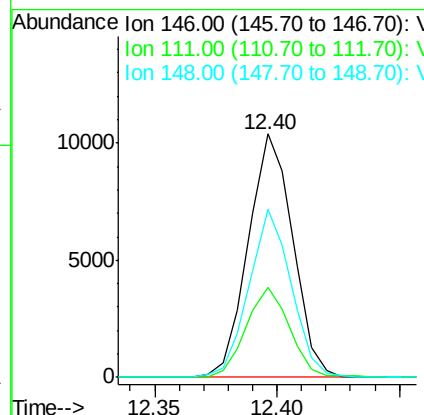
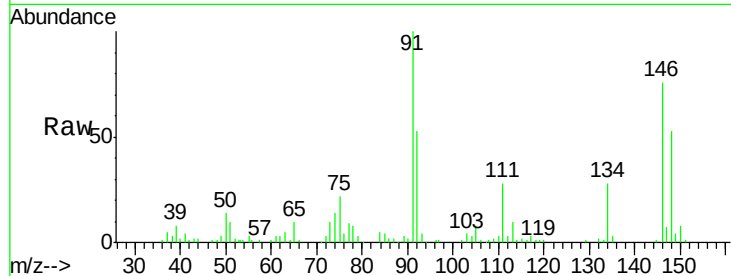
#87
 1,2-Dichlorobenzene
 Concen: 2.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.0	60.0
148	65.4	31.6	95.0

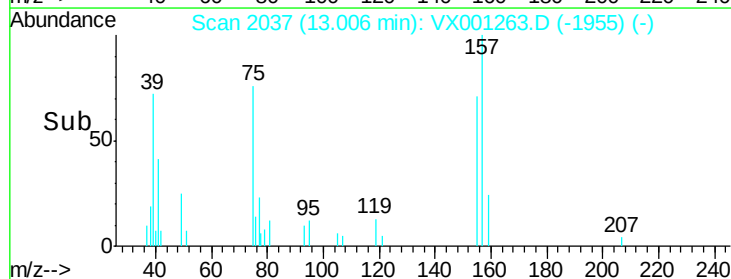
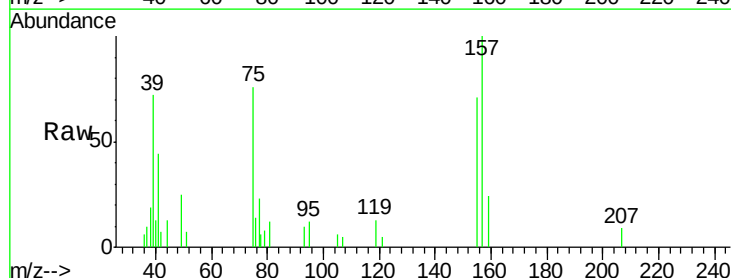
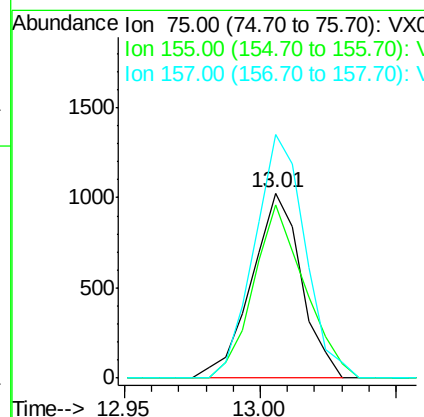
Manual Integrations
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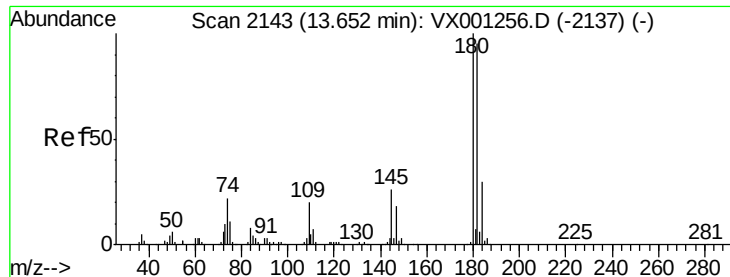
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	75.1	112.7
157	133.5	99.0	148.4





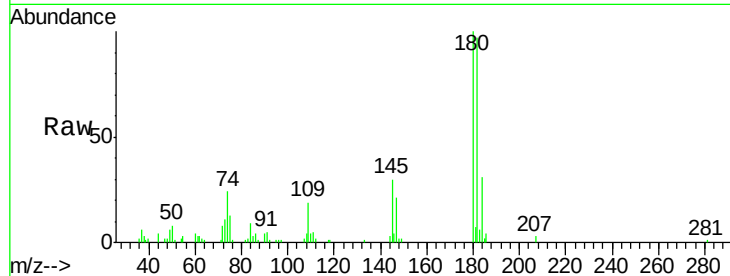
#89
 1,2,4-Trichlorobenzene
 Concen: 2.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

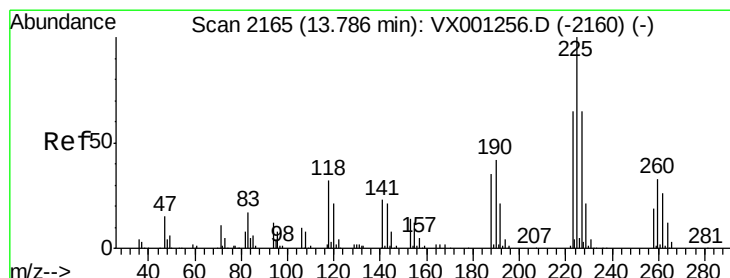
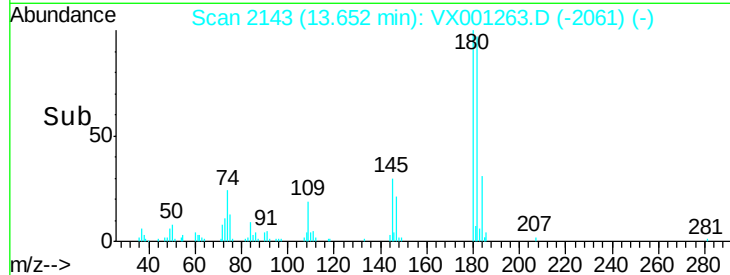
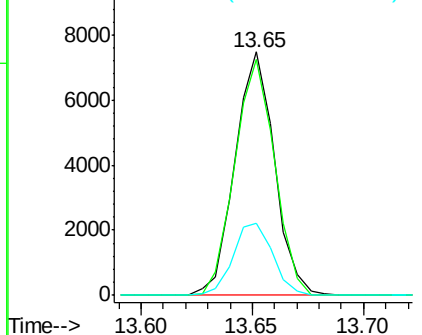
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.3	114.5
145	29.8	24.6	37.0

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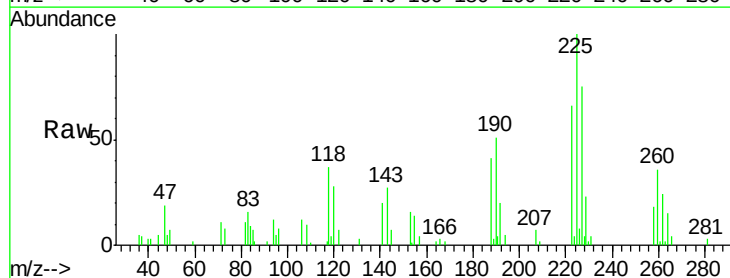


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

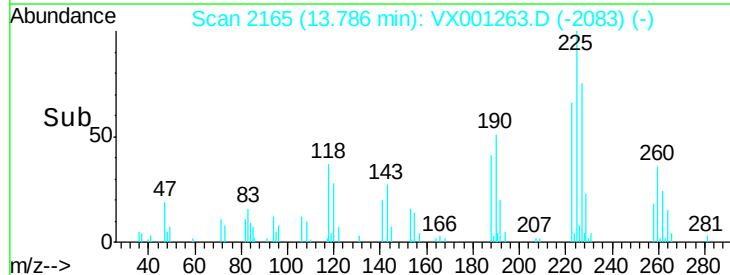
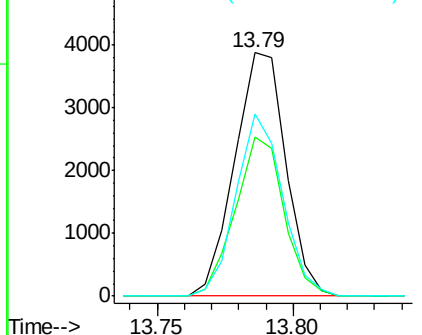


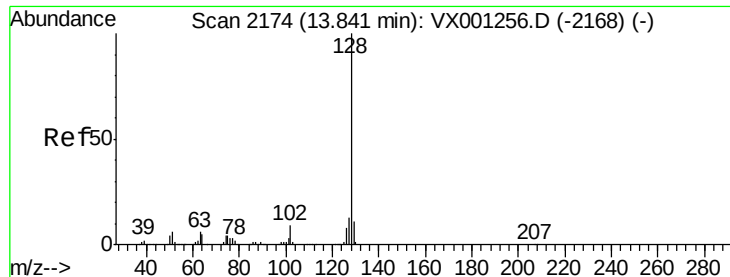
#90
 Hexachlorobutadiene
 Concen: 2.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	131.2
227	68.1	0.0	127.6



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: 2.19 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

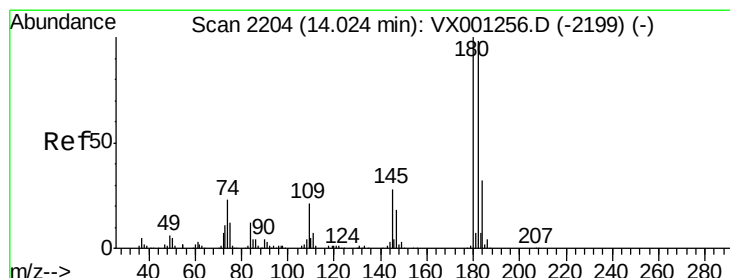
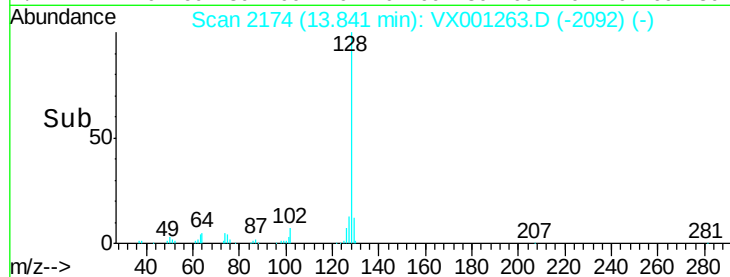
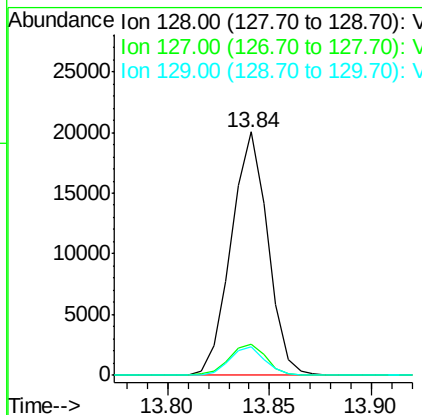
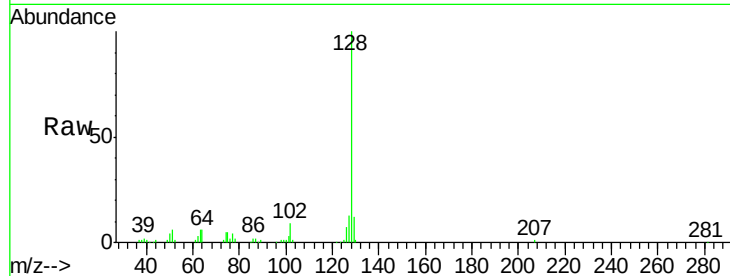
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	128	Resp:	24925
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.3	9.0	13.6

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 2.25 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion:	180	Resp:	9741
Ion Ratio	Lower	Upper	
180	100		
182	93.8	0.0	188.6
145	30.8	0.0	65.8

