

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001264.D
 Acq On : 30 Apr 2018 20:30
 Operator : JC/MD
 Sample : J2133-10 L00 10.0PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Manual Integrations
 APPROVED

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

Quant Time: May 01 09:26:37 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	32916	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	184913	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	171490	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	72116	30.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.23%
60) 4-Bromofluorobenzene	11.14	95	83158	28.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.47%
63) Toluene-d8	8.72	98	222525	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	16456	7.63	ug/l	97
3) Chloromethane	1.32	50	18868	9.37	ug/l	98
4) Vinyl Chloride	1.40	62	19824	9.38	ug/l	100
5) Bromomethane	1.64	94	18008	11.29	ug/l	100
6) Chloroethane	1.72	64	13266	10.26	ug/l	100
7) Trichlorofluoromethane	1.93	101	35389	10.08	ug/l	100
8) Diethyl Ether	2.19	74	13514	11.09	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20235	10.17	ug/l	94
10) 1,1-Dichloroethene	2.37	96	18386	10.20	ug/l	90
11) Methyl Iodide	2.51	142	15366	7.01	ug/l	98
12) Methyl Acetate	2.78	43	27438	11.58	ug/l	100
13) Acrolein	2.29	56	16933	59.90	ug/l	98
14) Acrylonitrile	3.15	53	56091	59.45	ug/l	100
15) Acetone	2.45	58	16199	55.18	ug/l	92
16) Carbon Disulfide	2.57	76	43903	9.15	ug/l	98
17) Allyl chloride	2.73	41	33057	10.33	ug/l	92
18) Methylene Chloride	2.86	84	21958	11.17	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	20003	10.29	ug/l	87
20) Diisopropyl ether	3.88	45	61216	9.72	ug/l	95
21) 1,1-Dichloroethane	3.70	63	34380	10.16	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	22827	10.52	ug/l	97
23) tert-Butyl Alcohol	3.08	59	26134	67.78	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	67285	10.88	ug/l	94
25) Chloroform	5.22	83	36904	10.02	ug/l	97
26) Cyclohexane	5.58	56	29680	9.65	ug/l	# 96
29) 1,1-Dichloropropene	5.81	75	26692	9.74	ug/l	100
30) 2-Butanone	4.71	43	78680	56.04	ug/l	97
31) 2,2-Dichloropropane	4.59	77	26387	8.82	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	31580	9.53	ug/l	97
33) Carbon Tetrachloride	5.79	117	26430	8.85	ug/l	99
34) Benzene	6.15	78	81023	9.98	ug/l	93
35) Methacrylonitrile	5.07	41	17198	11.04	ug/l	93
36) 1,2-Dichloroethane	6.20	62	31716	10.18	ug/l	99
37) Trichloroethene	7.21	130	23992	9.75	ug/l	97
38) Methylcyclohexane	7.47	83	31536	9.78	ug/l	95
39) 1,2-Dichloropropane	7.52	63	20739	10.07	ug/l	98
40) Dibromomethane	7.67	93	14531	10.03	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	24933	9.11	ug/l	99
42) Vinyl Acetate	3.83	43	262745	47.58	ug/l	98
43) Ethyl Acetate	4.87	43	29720	10.99	ug/l #	91
44) Isopropyl Acetate	6.47	43	45599	9.91	ug/l	99
45) 1,4-Dioxane	7.76	88	10507	251.28	ug/l	96
46) Methyl methacrylate	7.79	41	24253	10.13	ug/l	93
47) n-amyl Acetate	10.90	43	39063	8.85	ug/l	97
48) t-1,3-Dichloropropene	8.44	75	28137	8.74	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	24415	7.91	ug/l #	88
50) 1,1,2-Trichloroethane	9.22	97	21714	10.10	ug/l	97
51) Ethyl methacrylate	9.19	69	28827	9.41	ug/l	93
52) 1,3-Dichloropropane	9.38	76	35044	10.08	ug/l	100
53) Dibromochloromethane	9.59	129	20385	8.59	ug/l	99
54) 1,2-Dibromoethane	9.68	107	22576	9.81	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	69854	46.53	ug/l	99
56) Bromoform	10.86	173	15823	8.14	ug/l #	97
58) 4-Methyl-2-Pentanone	8.66	43	153774	54.03	ug/l	98
59) 2-Hexanone	9.51	43	119770	54.01	ug/l	96
61) Tetrachloroethene	9.34	164	28530	10.86	ug/l	91
62) Toluene	8.79	91	91441	9.92	ug/l	99
64) Chlorobenzene	10.15	112	62576	10.06	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	21067	9.28	ug/l	98
66) Ethyl Benzene	10.26	91	101541	9.87	ug/l	97
67) m/p-Xylenes	10.37	106	79561	19.47	ug/l	98
68) o-Xylene	10.70	106	39142	9.91	ug/l	99
69) Styrene	10.72	104	62052	9.44	ug/l	99
70) Isopropylbenzene	11.02	105	104656	9.76	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	31941	10.15	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	29076m	10.33	ug/l	
73) Bromobenzene	11.26	156	30587	9.81	ug/l	95
74) n-propylbenzene	11.37	91	116789	9.64	ug/l	98
75) 2-Chlorotoluene	11.43	91	71348	9.76	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	87823	9.61	ug/l	67
77) t-1,4-Dichloro-2-butene	11.08	75	6058	7.23	ug/l	71
78) 4-Chlorotoluene	11.52	91	82259	9.43	ug/l	98
79) tert-butylbenzene	12.07	119	93659	9.58	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	89477	9.62	ug/l	100
81) sec-Butylbenzene	11.95	105	104977	9.89	ug/l	99
82) p-Isopropyltoluene	12.07	119	93659	9.58	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	54336	9.56	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	55358	9.55	ug/l	98
85) n-Butylbenzene	12.40	91	76386	9.03	ug/l	98
86) Hexachloroethane	12.60	117	12119	8.11	ug/l	67
87) 1,2-Dichlorobenzene	12.40	146	55146	9.76	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	6073	9.24	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	41826	9.77	ug/l	97
90) Hexachlorobutadiene	13.79	225	22109	11.12	ug/l	98
91) Naphthalene	13.84	128	115105	10.36	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	43183	10.22	ug/l	98

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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

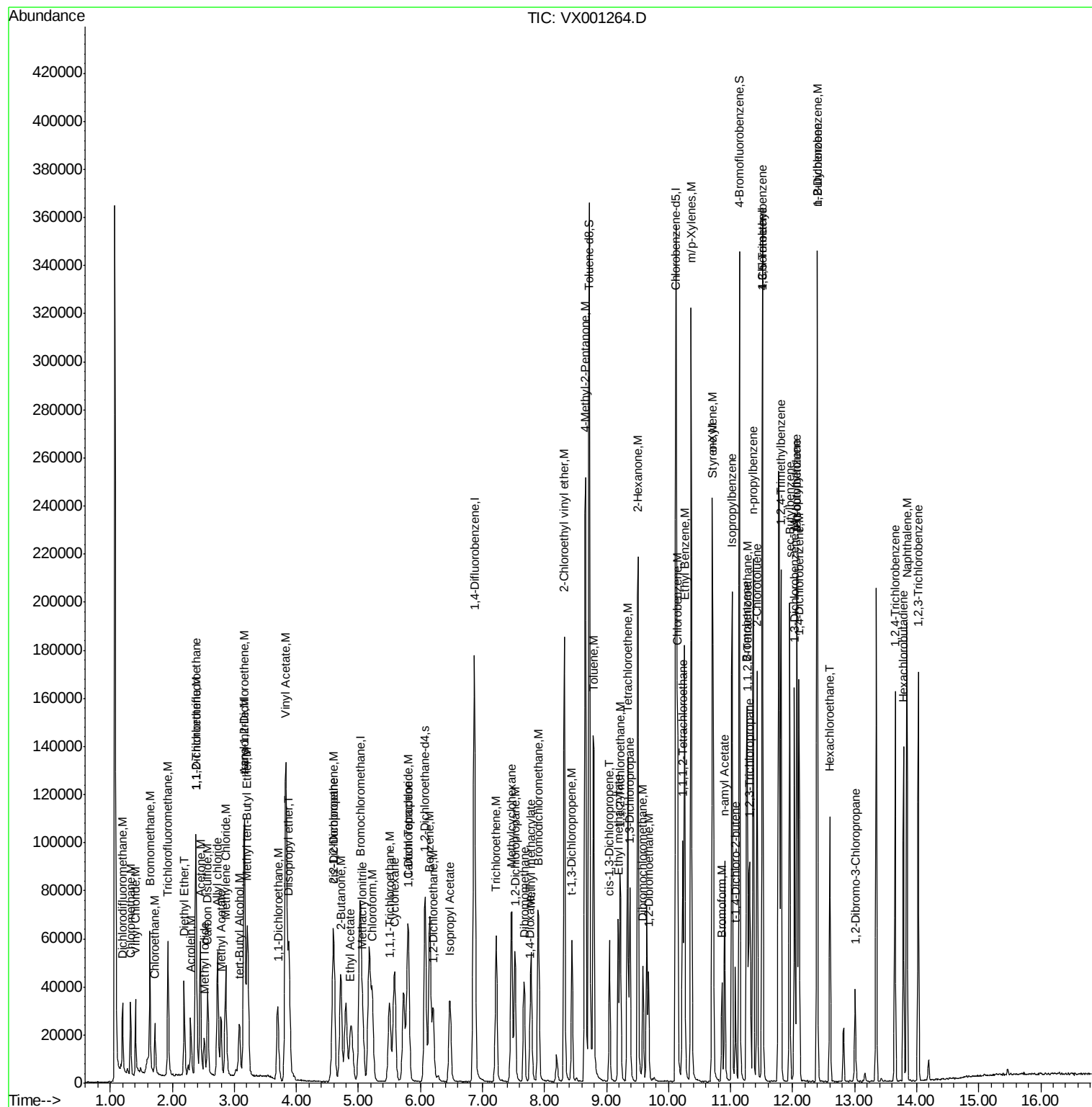
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
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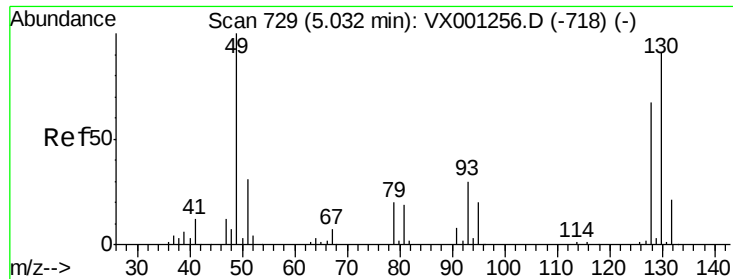
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

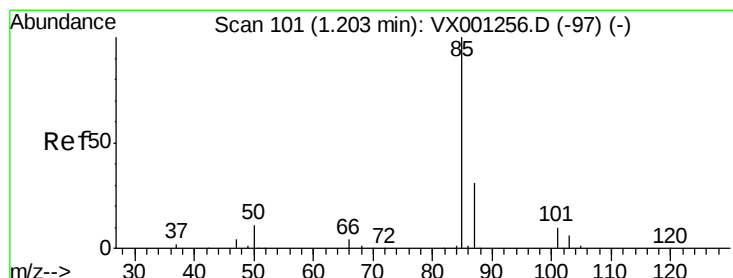
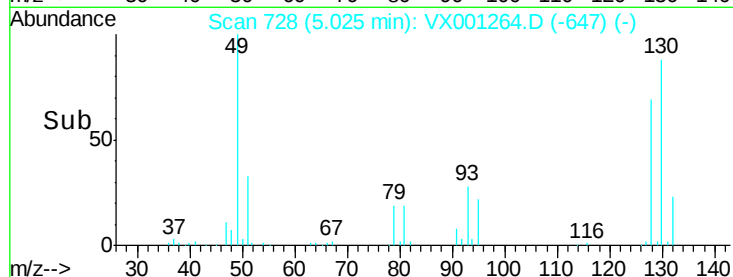
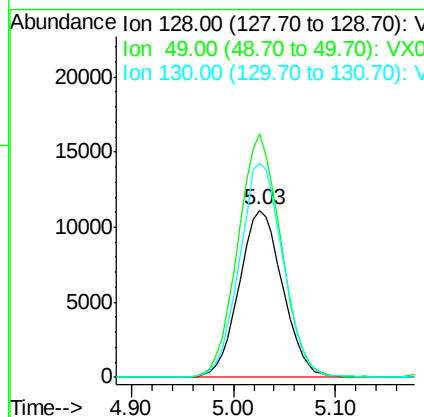
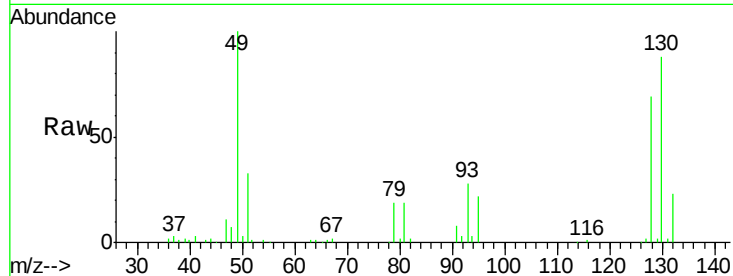
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:	128	Resp:	32916
Ion	Ratio	Lower	Upper
128	100		
49	144.3	0.0	378.3
130	128.7	0.0	324.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.63 ug/l

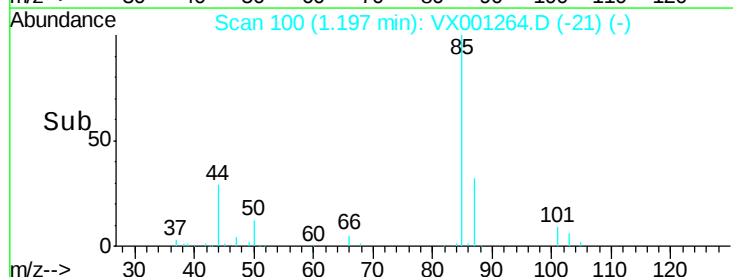
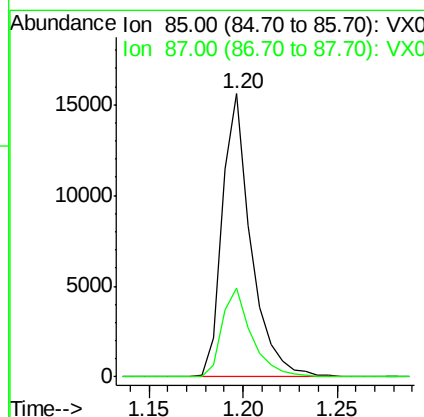
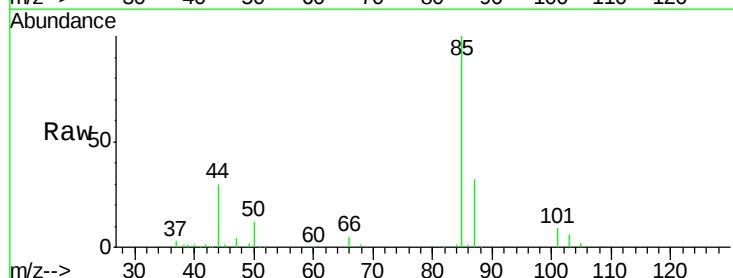
RT: 1.20 min Scan# 100

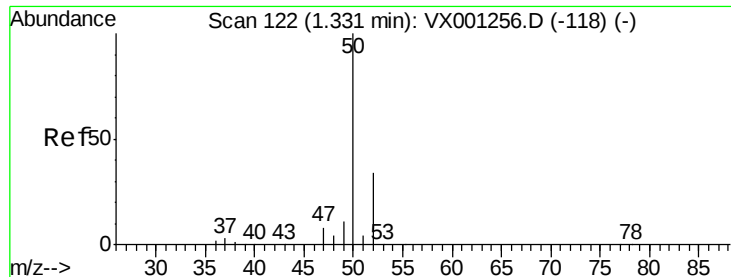
Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Tgt Ion:	85	Resp:	16456
Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.6	49.7





#3

Chloromethane

Concen: 9.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 50 Resp: 18868

Ion Ratio Lower Upper

50 100

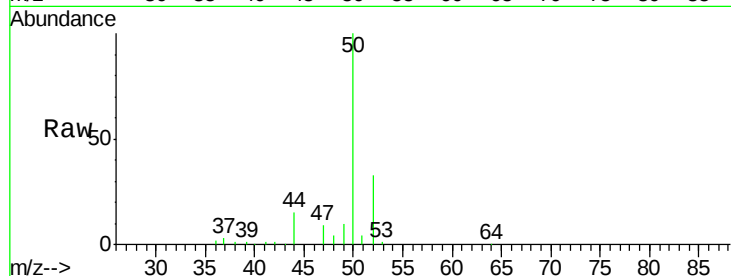
52 33.5 27.8 41.6

Manual Integrations

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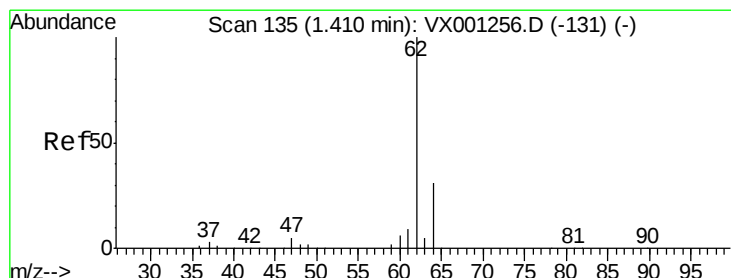
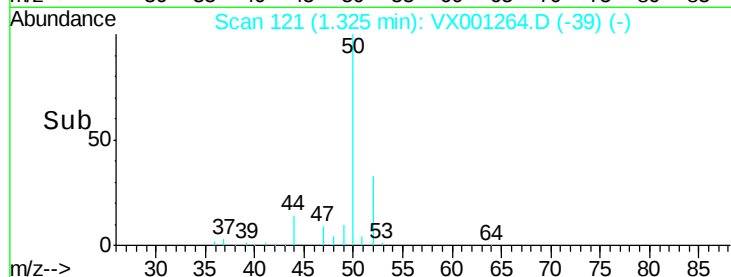
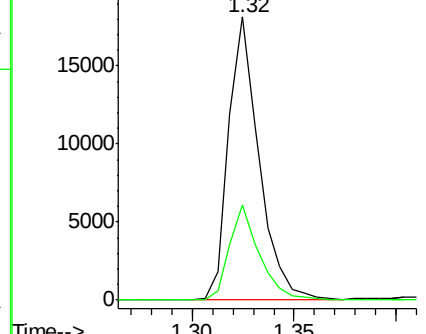
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 9.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001264.D

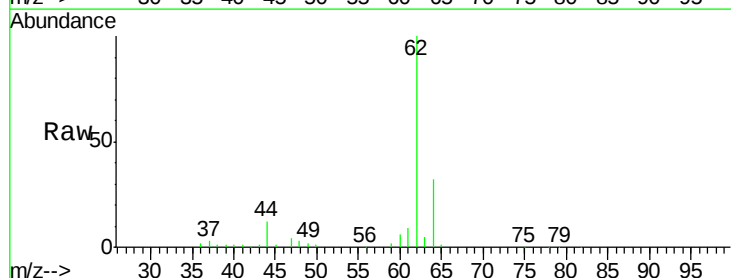
Acq: 30 Apr 2018 20:30

Tgt Ion: 62 Resp: 19824

Ion Ratio Lower Upper

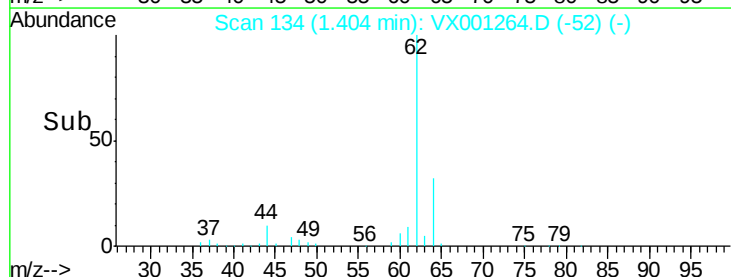
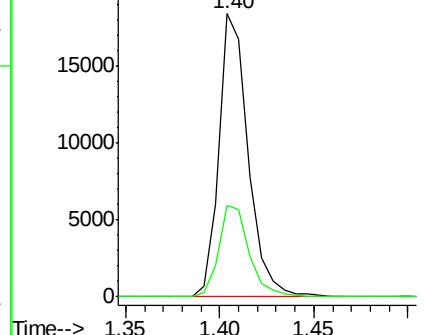
62 100

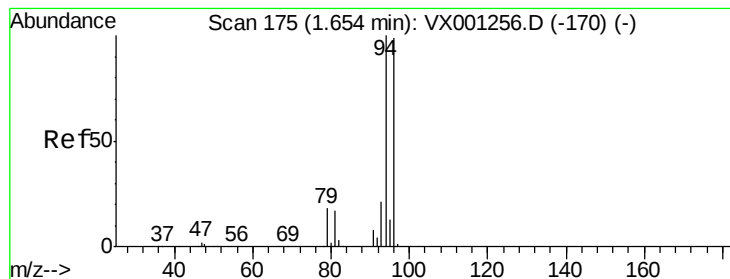
64 32.4 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 11.29 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 18008

Ion Ratio Lower Upper

94 100

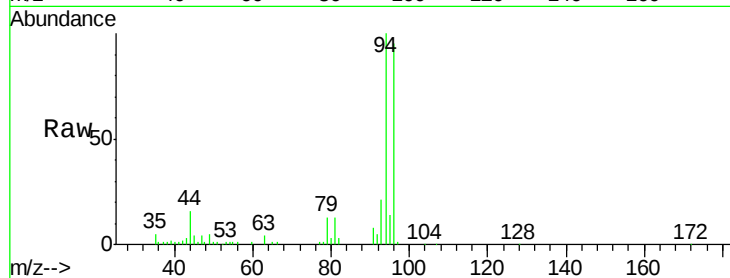
96 95.5 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

20000

15000

10000

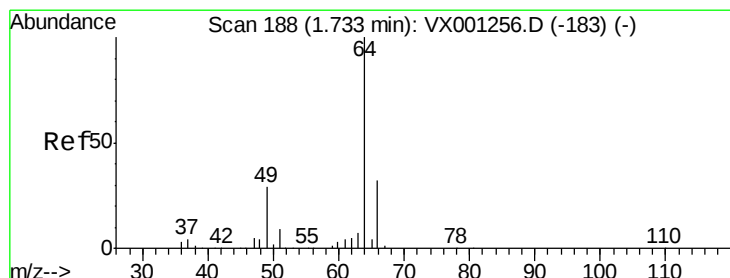
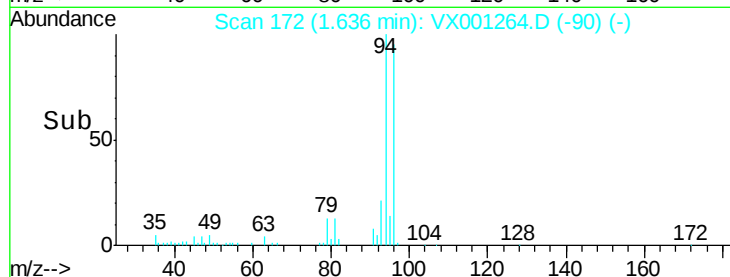
5000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 10.26 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001264.D

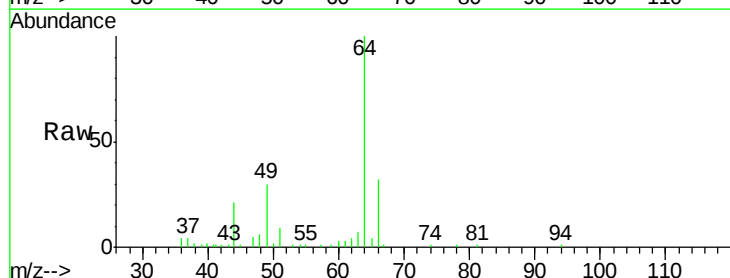
Acq: 30 Apr 2018 20:30

Tgt Ion: 64 Resp: 13266

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

10000

8000

6000

4000

2000

0

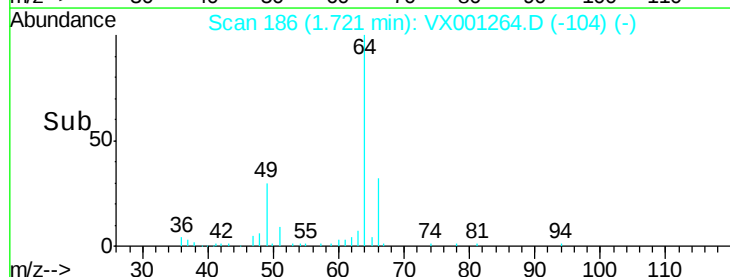
1.65

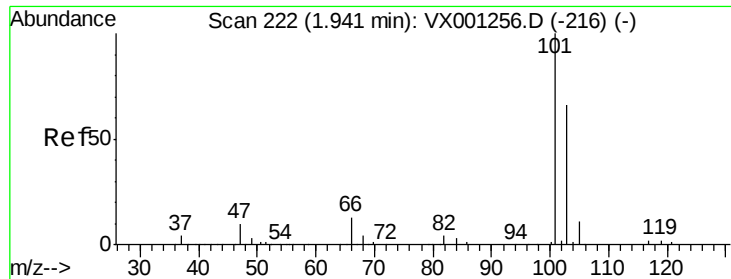
1.70

1.75

1.80

Time-->





#7

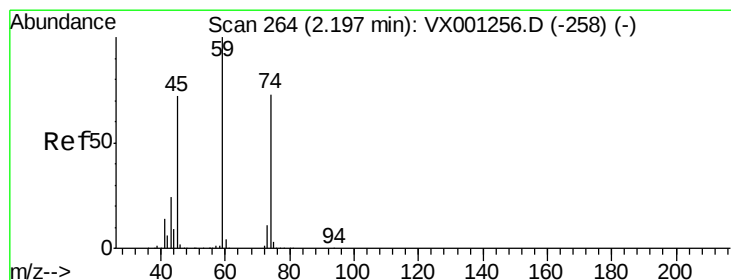
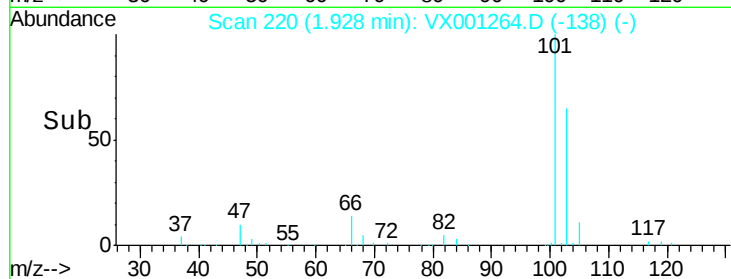
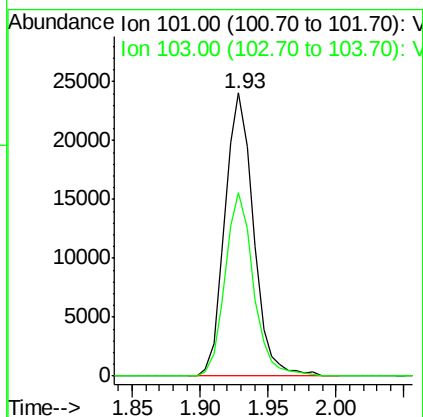
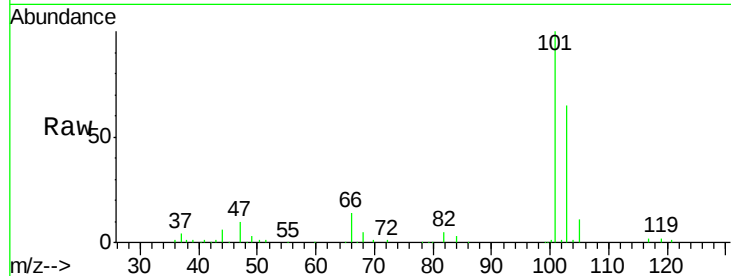
Trichlorofluoromethane
Concen: 10.08 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
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Tot Ion:101 Resp: 35389
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

Manual Integrations
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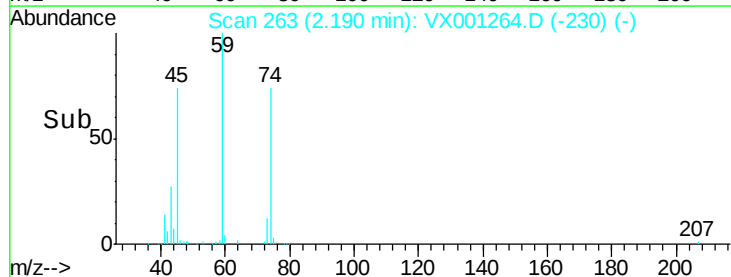
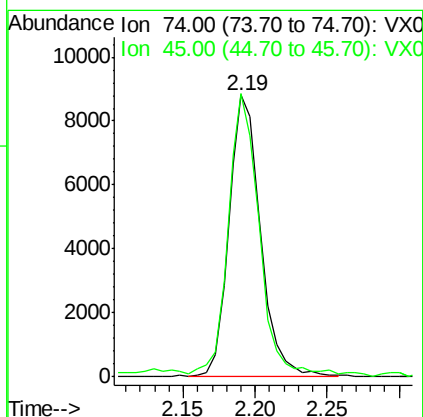
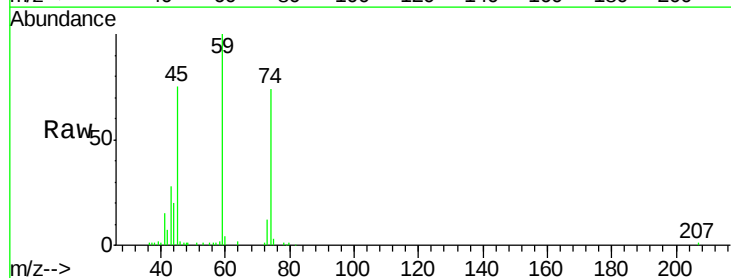
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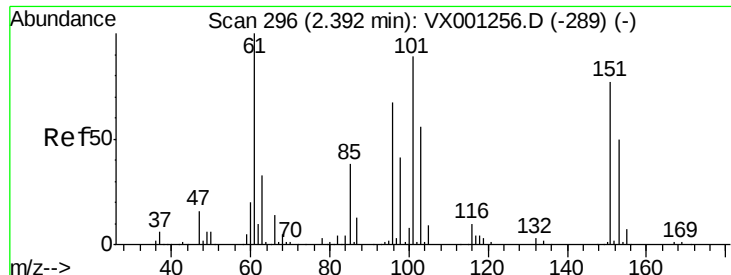


#8

Diethyl Ether
Concen: 11.09 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion: 74 Resp: 13514
Ion Ratio Lower Upper
74 100
45 96.0 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.17 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

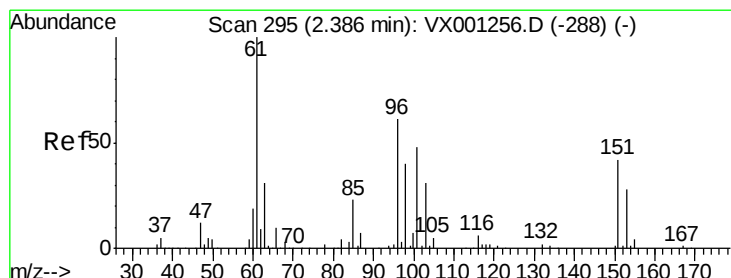
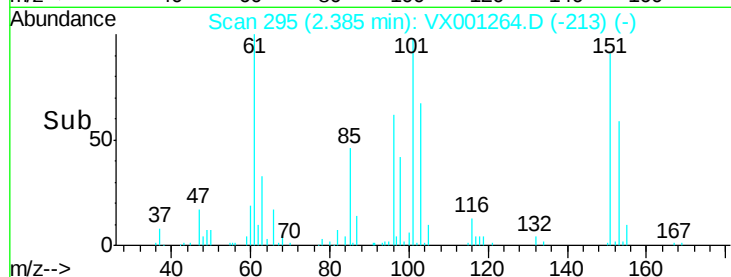
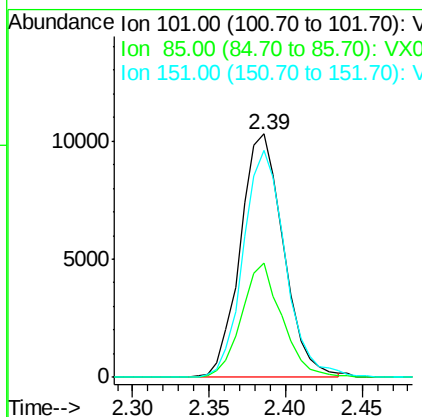
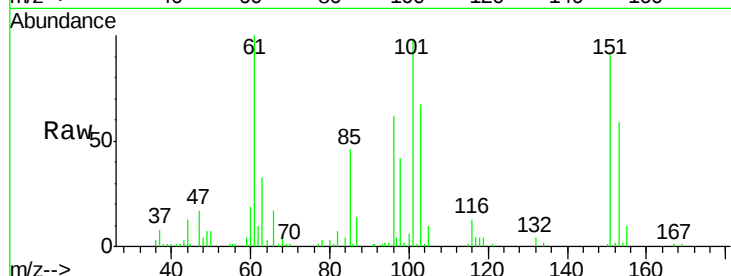
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:	101	Resp:	20235
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	90.4
151	91.0	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 10.20 ug/l

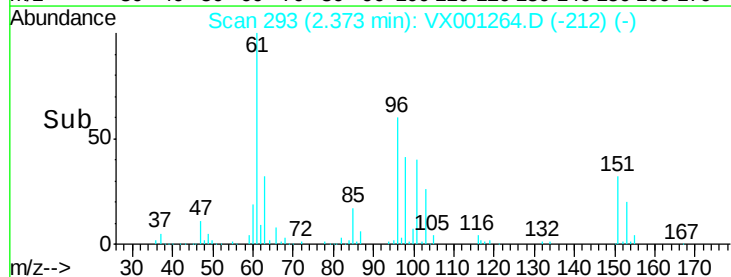
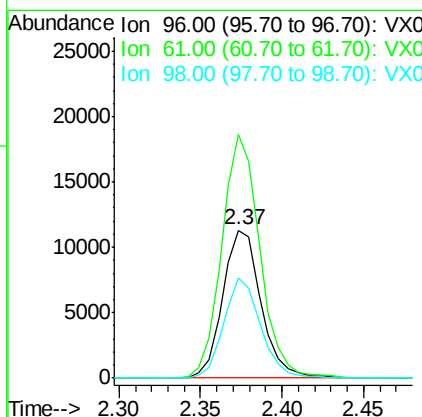
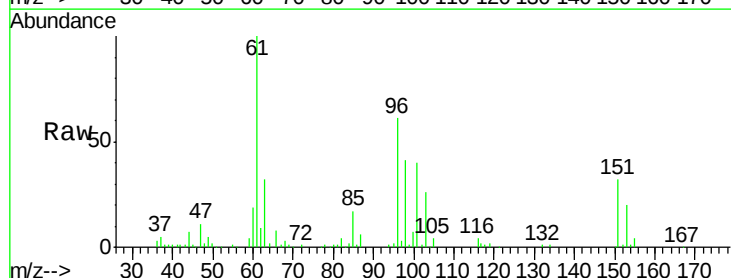
RT: 2.37 min Scan# 293

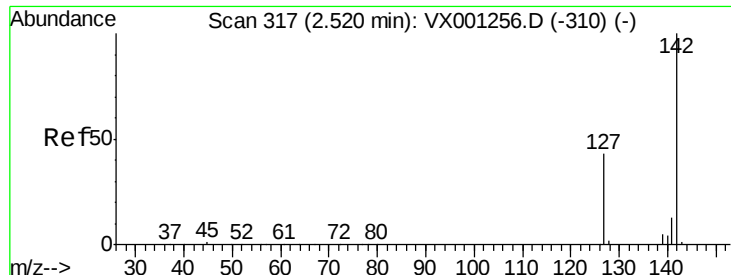
Delta R.T. -0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Tgt Ion:	96	Resp:	18386
Ion Ratio	Lower	Upper	
96	100		
61	164.0	118.6	178.0
98	67.9	51.0	76.6





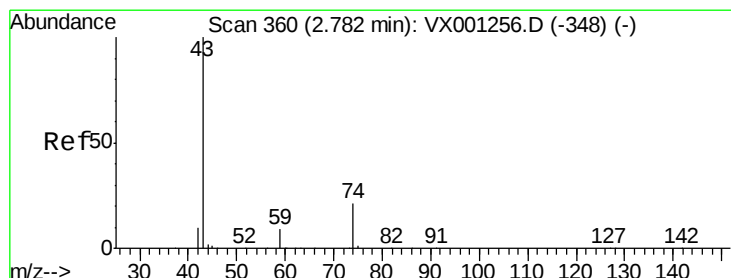
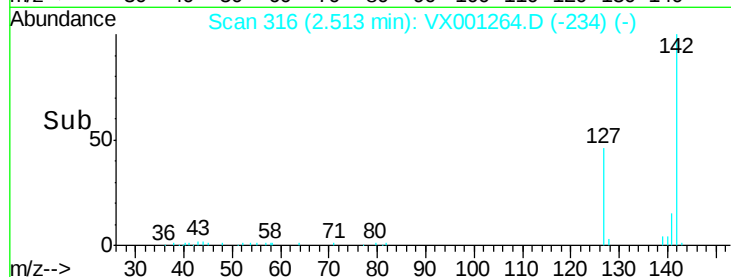
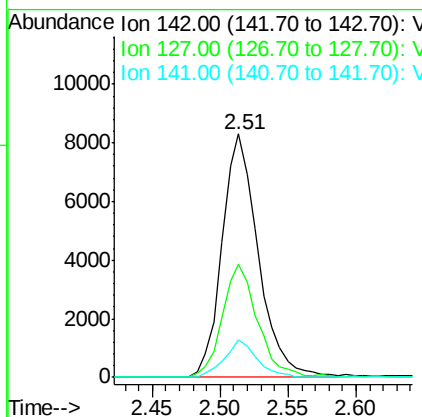
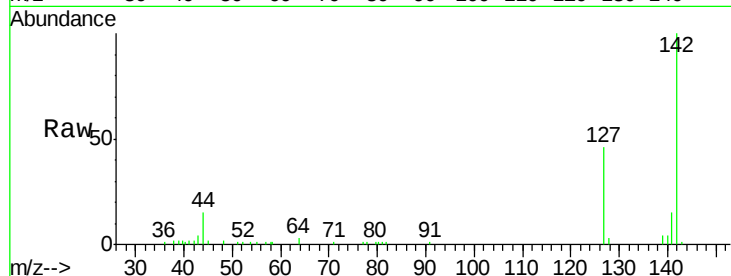
#11
Methyl Iodide
Concen: 7.01 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.7	23.8	71.5
141	15.1	8.2	24.4

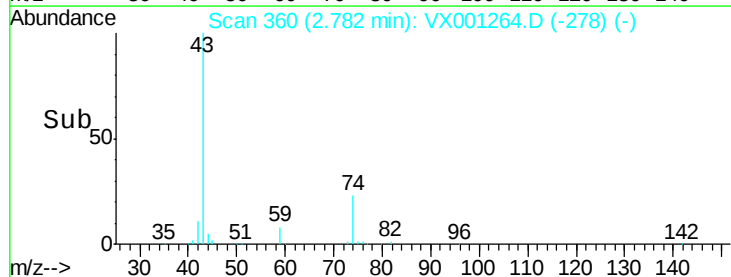
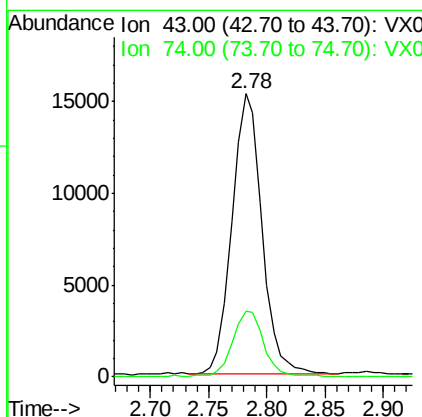
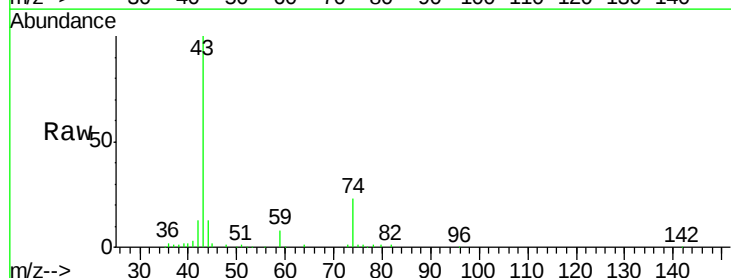
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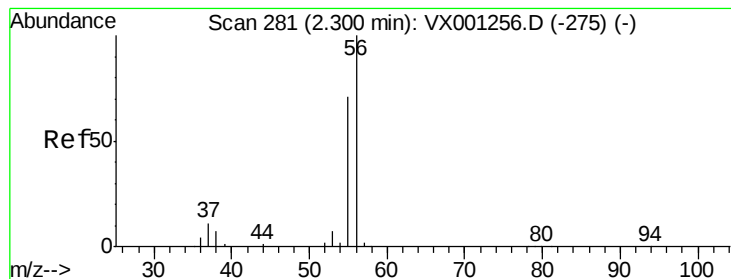
MMDadoda
5/2/2018 11:08:08 AM



#12
Methyl Acetate
Concen: 11.58 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	27.8





#13

Acrolein

Concen: 59.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 56 Resp: 16933

Ion Ratio Lower Upper

56 100

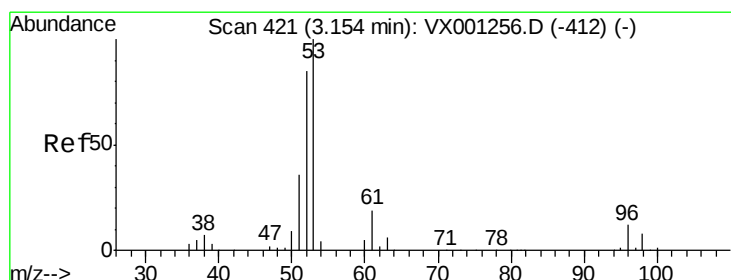
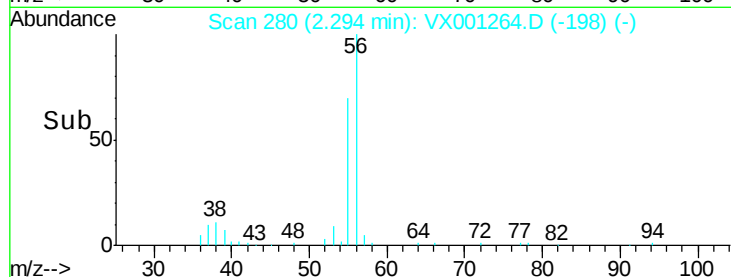
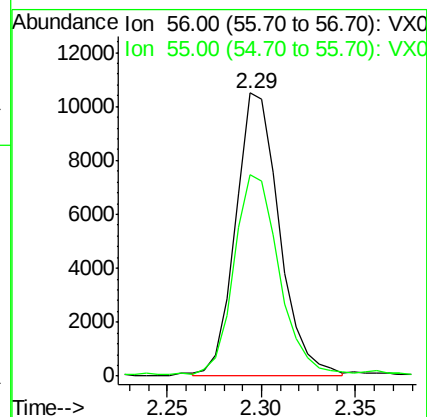
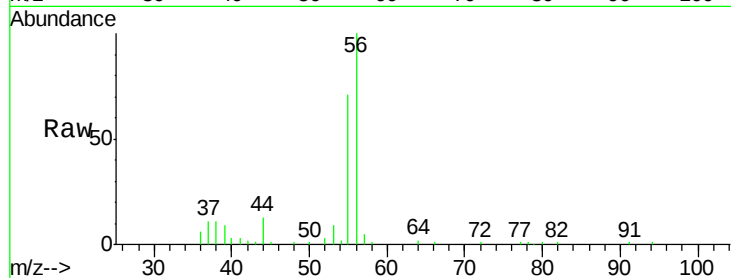
55 73.4 57.3 85.9

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#14

Acrylonitrile

Concen: 59.45 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

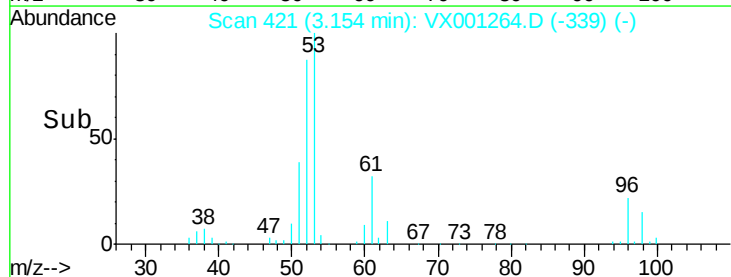
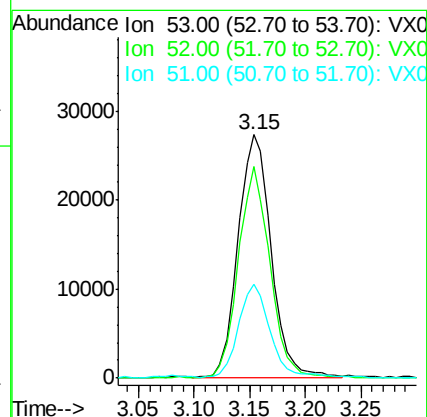
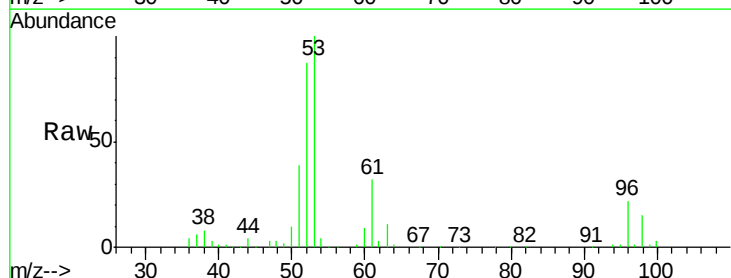
Tgt Ion: 53 Resp: 56091

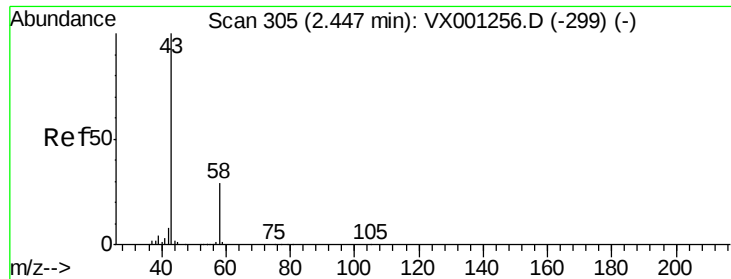
Ion Ratio Lower Upper

53 100

52 83.7 41.9 125.8

51 37.5 18.8 56.3





#15

Acetone

Concen: 55.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 58 Resp: 16199

Ion Ratio Lower Upper

58 100

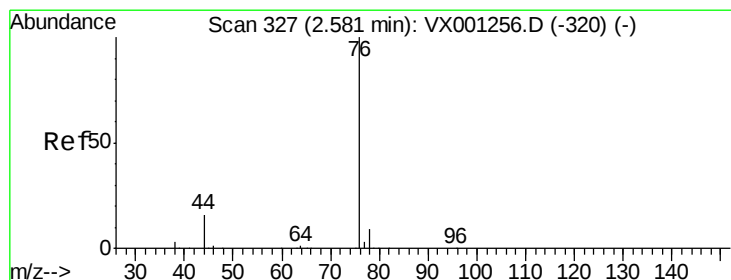
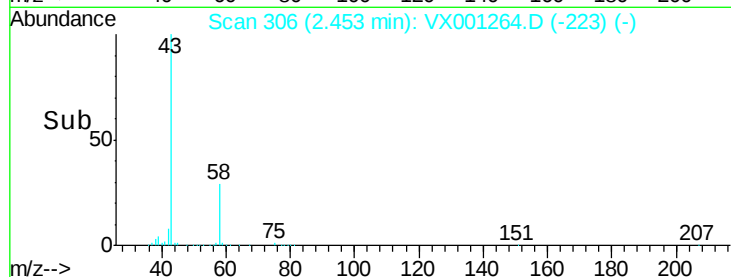
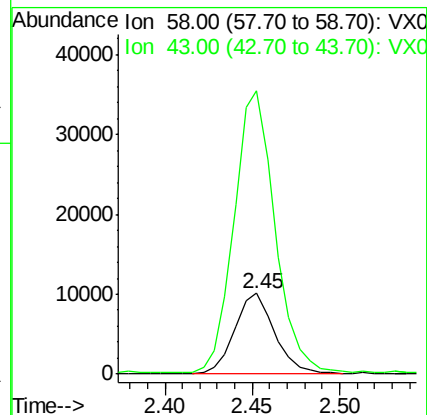
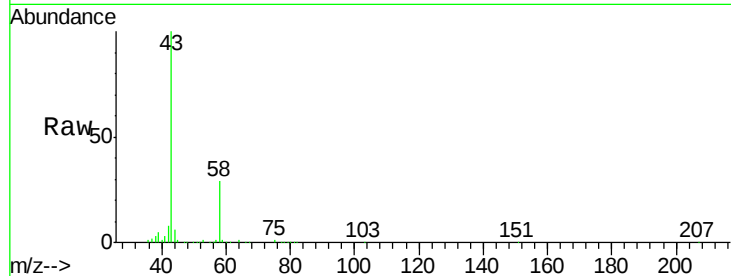
43 346.7 264.6 396.8

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#16

Carbon Disulfide

Concen: 9.15 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001264.D

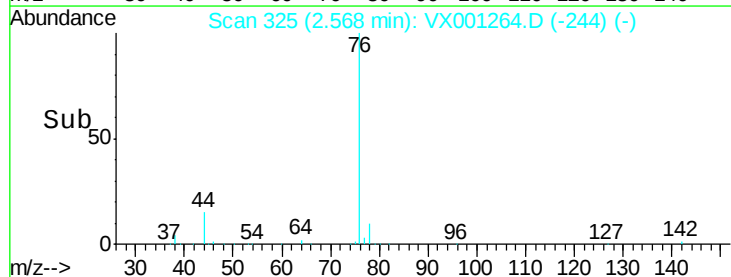
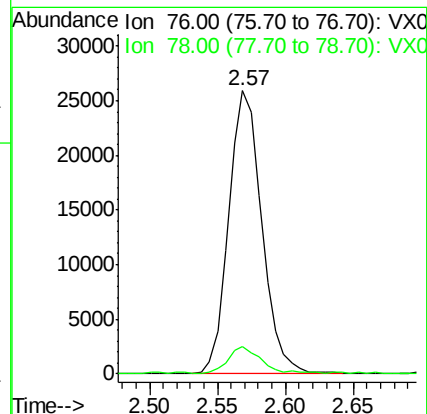
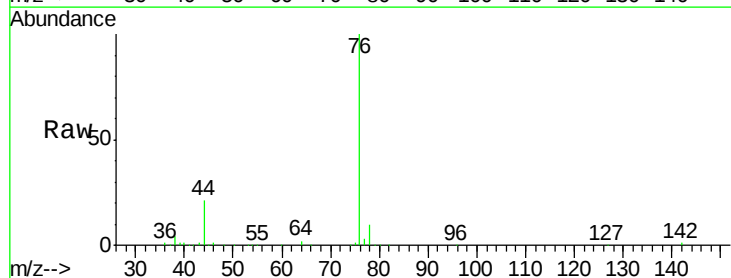
Acq: 30 Apr 2018 20:30

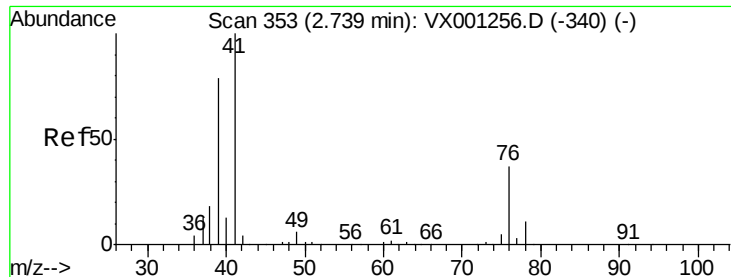
Tgt Ion: 76 Resp: 43903

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2





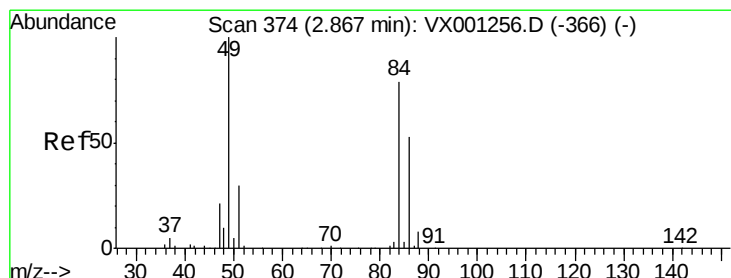
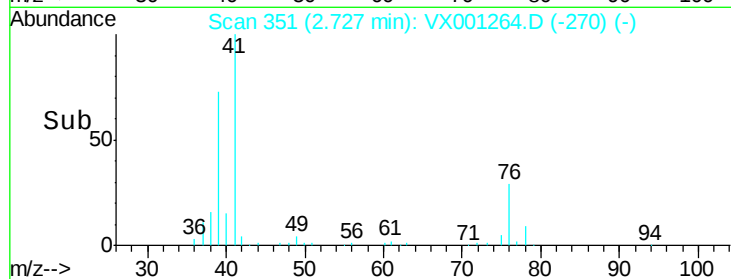
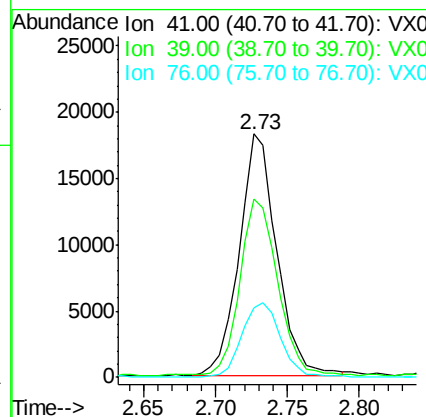
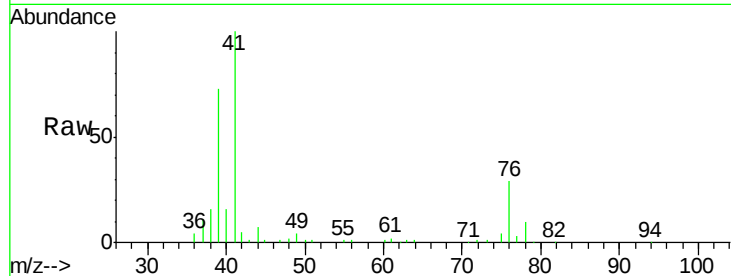
#17
Allvl chloride
Concen: 10.33 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	38.5	115.5
76	29.0	18.7	56.1

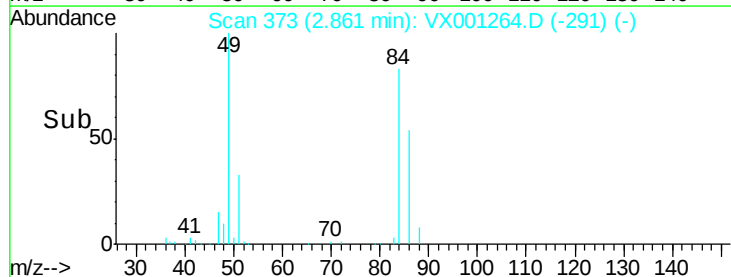
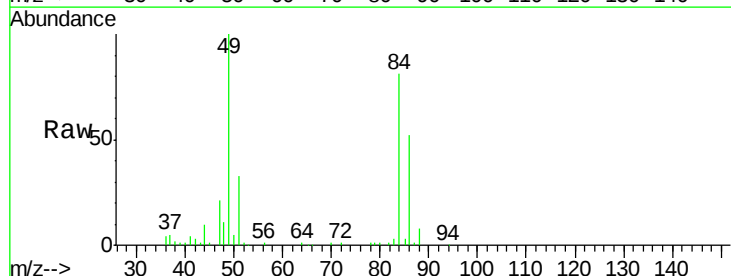
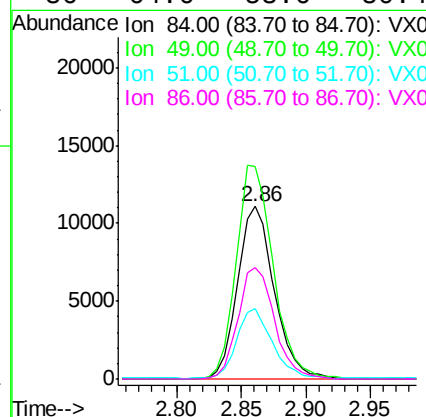
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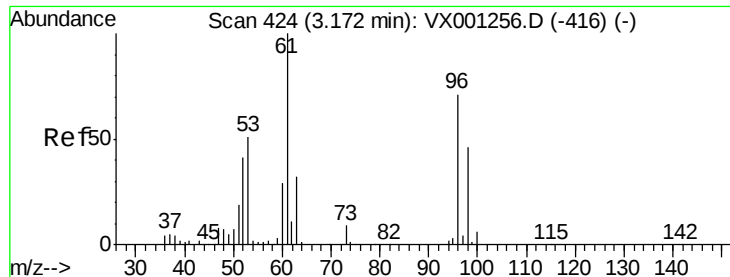
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#18
Methylene Chloride
Concen: 11.17 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	103.3	154.9
51	40.2	31.2	46.8
86	64.6	53.6	80.4





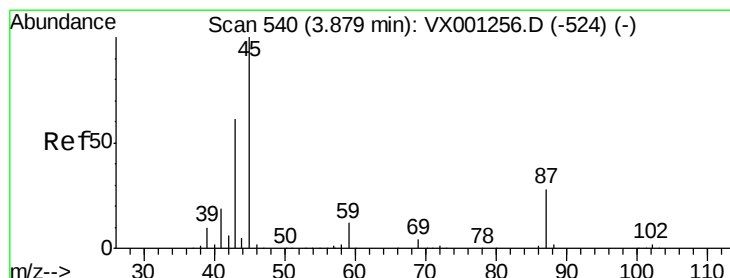
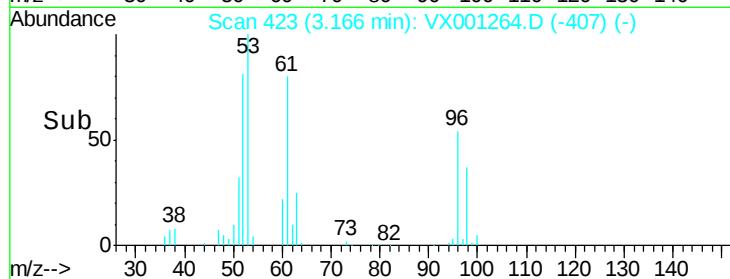
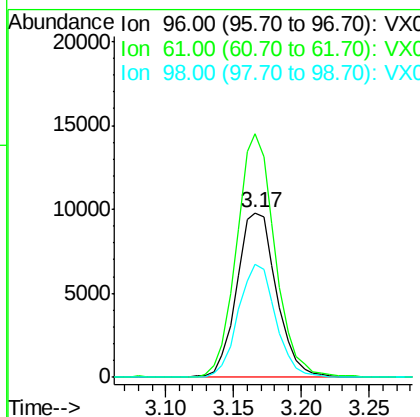
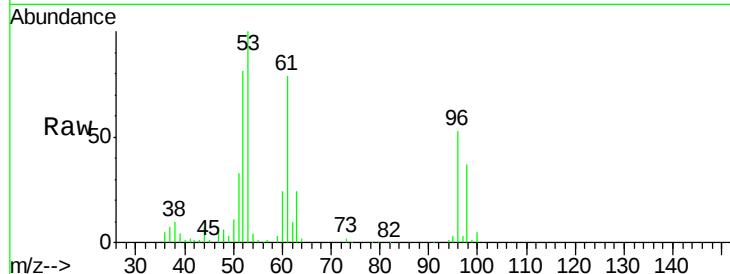
#19
trans-1,2-Dichloroethene
Concen: 10.29 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	101.0	151.6
98	69.1	53.3	79.9

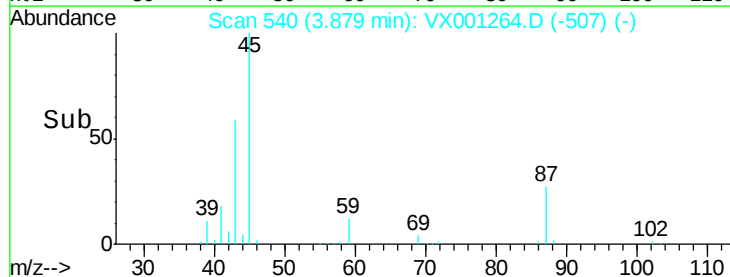
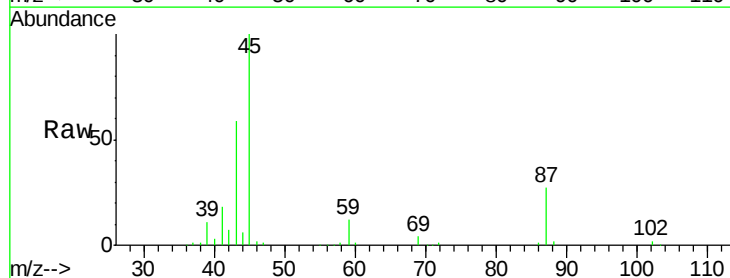
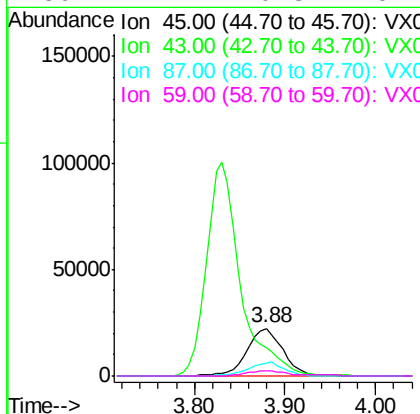
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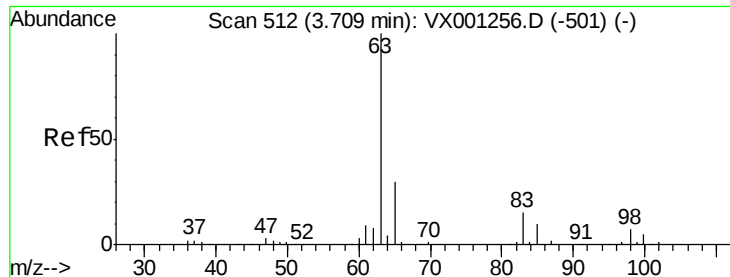
MMDadoda
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#20
Diisopropyl ether
Concen: 9.72 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	49.6	74.4
87	27.2	23.1	34.7
59	11.7	10.8	16.2





#21

1,1-Dichloroethane

Concen: 10.16 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

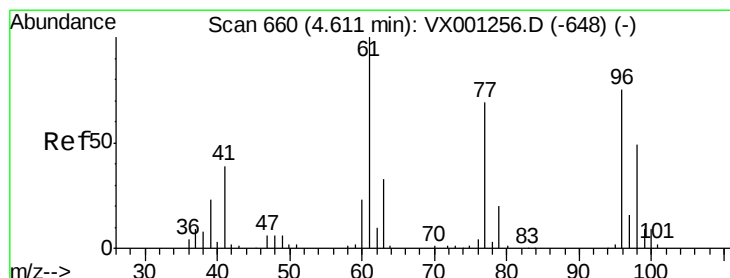
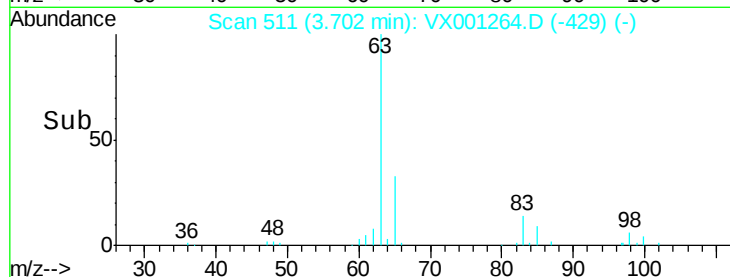
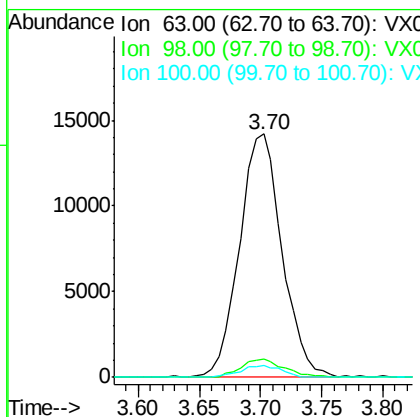
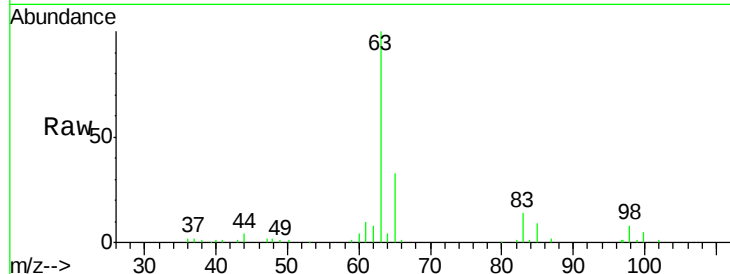
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:	63	Resp:	34380
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.3	9.9
100	4.8	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 10.52 ug/l

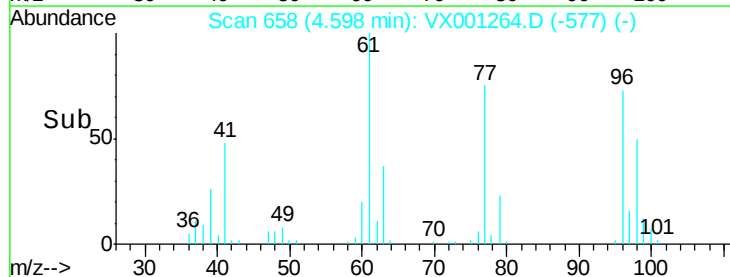
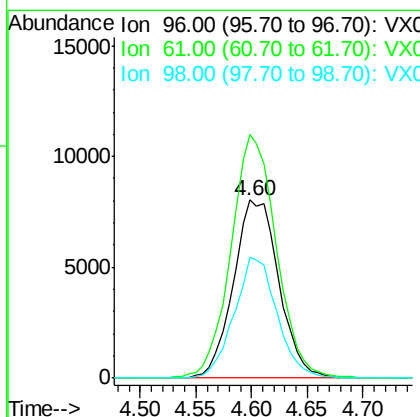
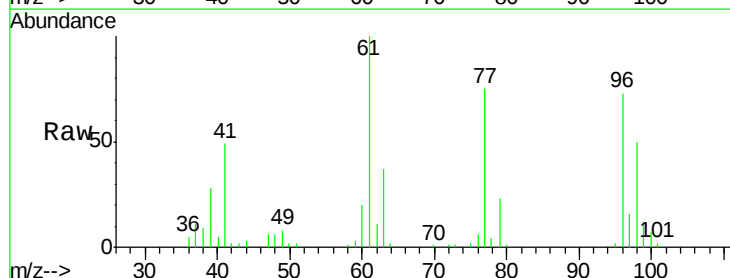
RT: 4.60 min Scan# 658

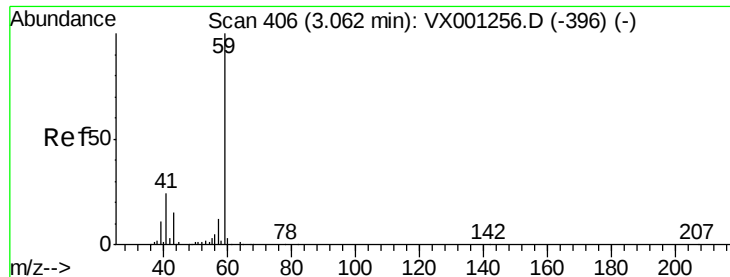
Delta R.T. -0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Tgt Ion:	96	Resp:	22827
Ion	Ratio	Lower	Upper
96	100		
61	136.6	113.5	170.3
98	63.9	51.8	77.8





#23

tert-Butyl Alcohol

Concen: 67.78 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 59 Resp: 26134

Ion Ratio Lower Upper

59 100

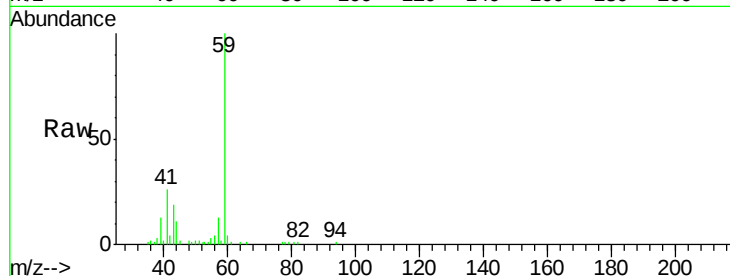
52 0.3 0.1 0.1#

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VX001256.D (-396) (-)

Ion 52.00 (51.70 to 52.70): VX001256.D (-396) (-)

25000

20000

15000

10000

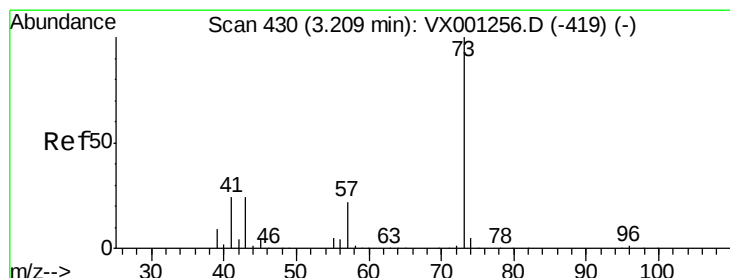
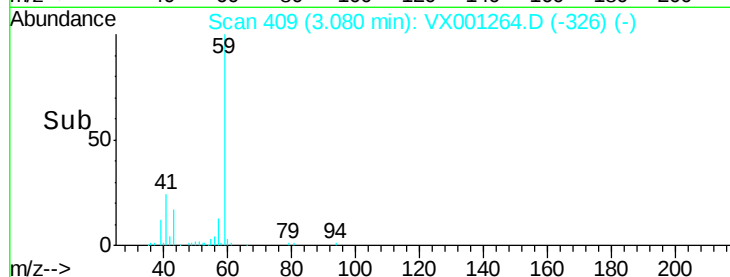
5000

0

Time-->

3.00 3.05 3.10 3.15

3.08



#24

Methyl tert-Butyl Ether

Concen: 10.88 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX001264.D

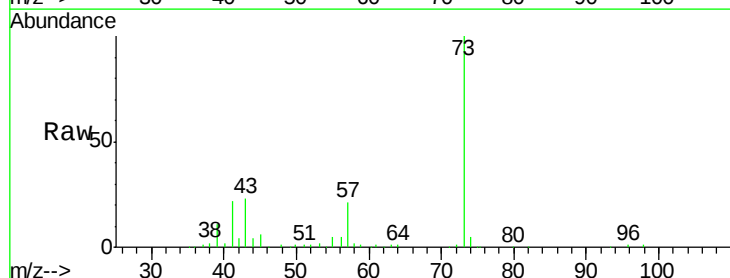
Acq: 30 Apr 2018 20:30

Tgt Ion: 73 Resp: 67285

Ion Ratio Lower Upper

73 100

43 23.3 16.5 24.7



Abundance Ion 73.00 (72.70 to 73.70): VX001256.D (-419) (-)

Ion 43.00 (42.70 to 43.70): VX001256.D (-419) (-)

30000

20000

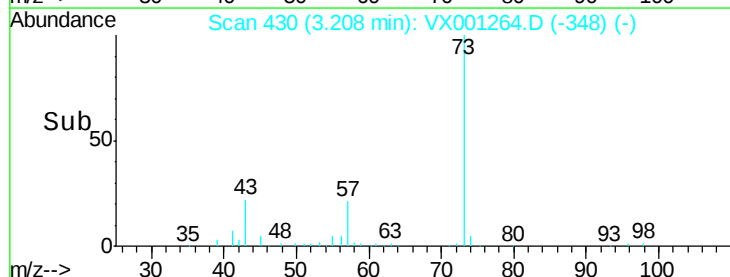
10000

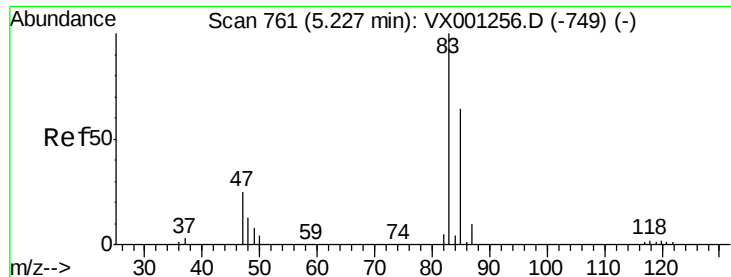
0

Time-->

3.10 3.20 3.30

3.21





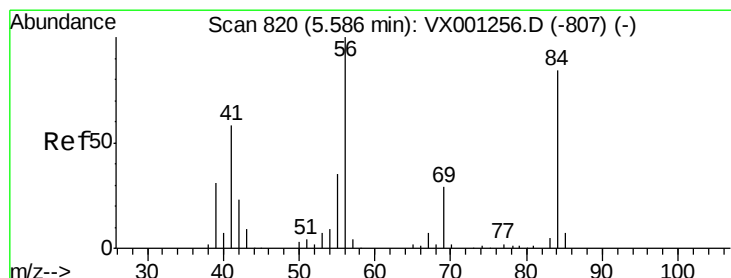
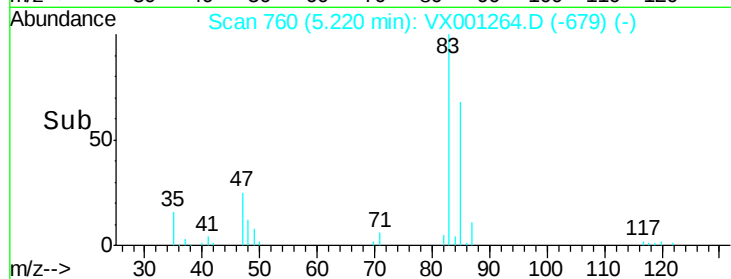
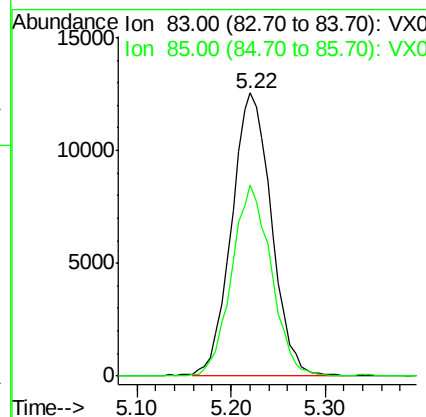
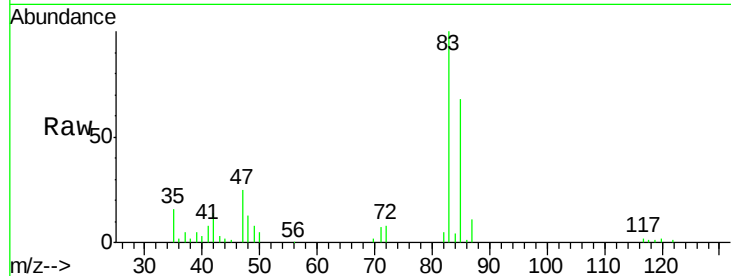
#25
Chloroform
Concen: 10.02 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	83	Resp	36904
Ion Ratio	100	Lower	Upper
85	67.7	52.5	78.7

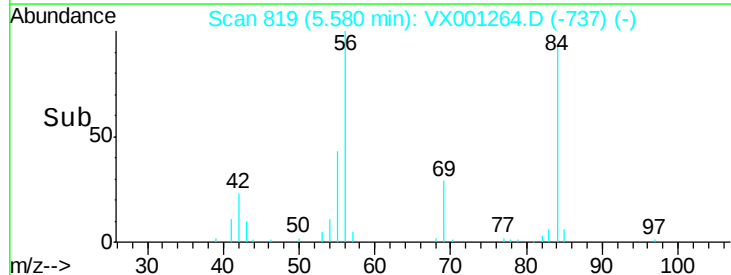
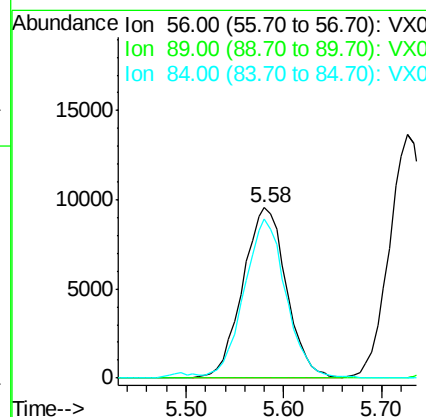
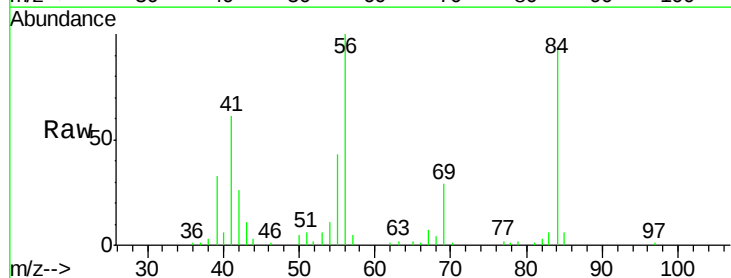
Manual Integrations
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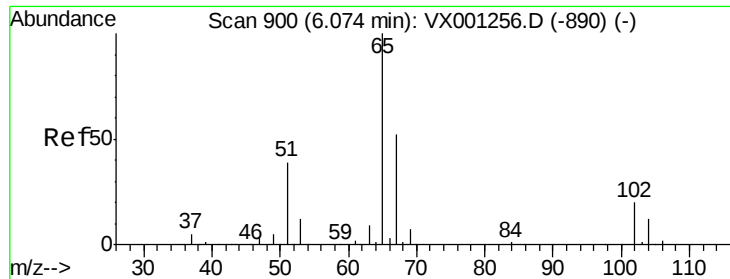
MMDadoda
5/2/2018 11:08:08 AM



#26
Cyclohexane
Concen: 9.65 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	56	Resp	29680
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	89.3	74.8	112.2





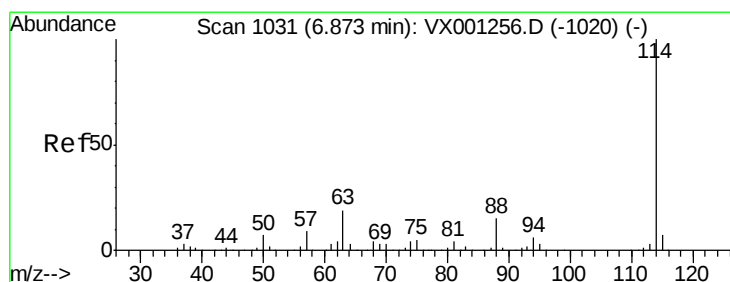
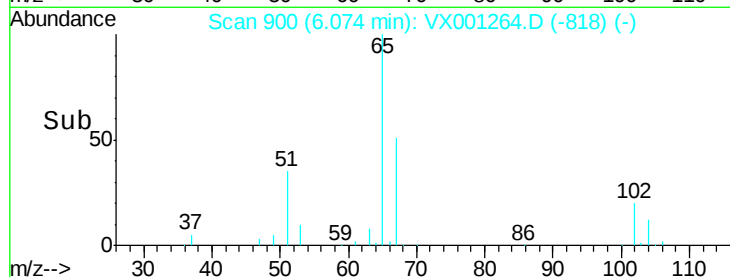
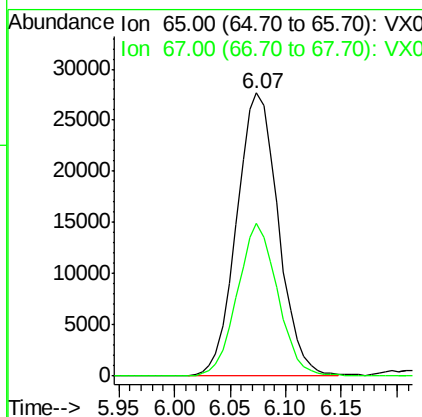
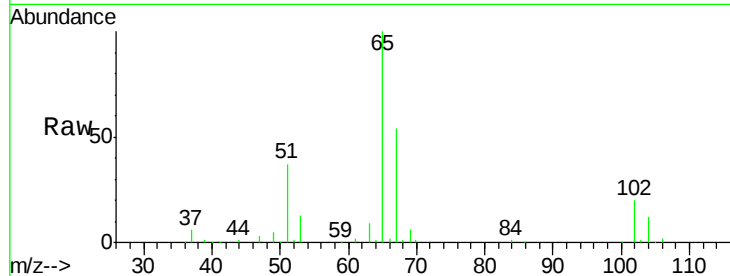
#27
 1,2-Dichloroethane-d4
 Concen: 30.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion: 65 Resp: 72116
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.4 62.2

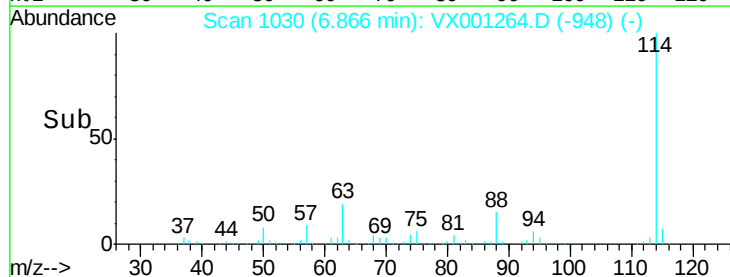
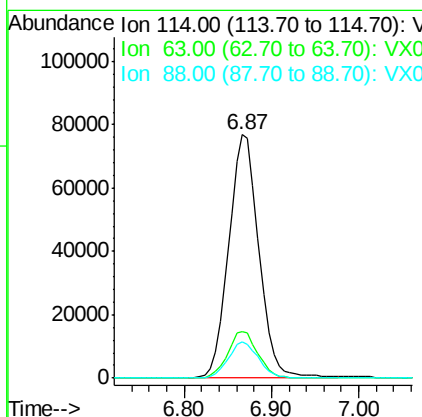
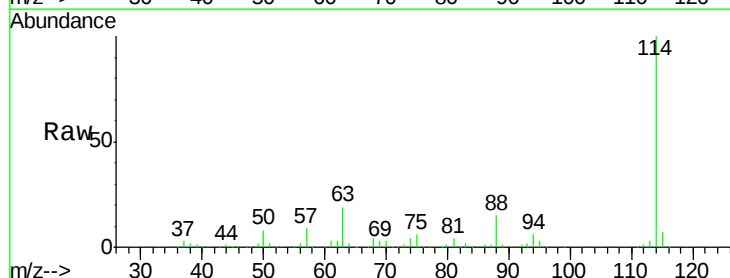
Manual Integrations
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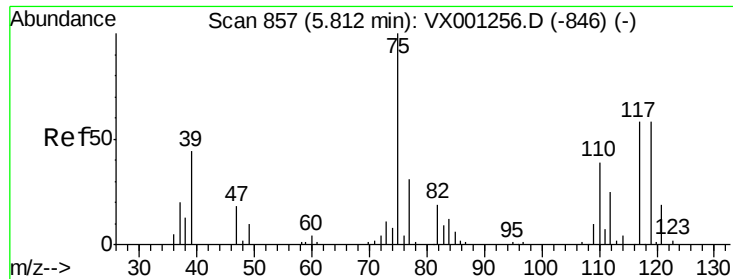
MMDadoda
 5/2/2018 11:08:08 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion: 114 Resp: 184913
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.0 22.4
 88 14.8 11.8 17.8





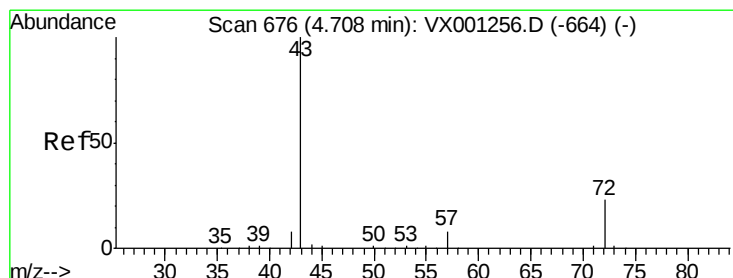
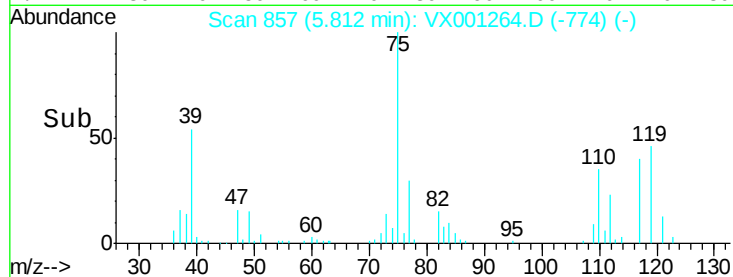
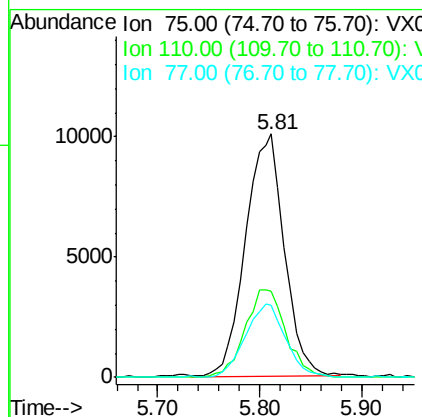
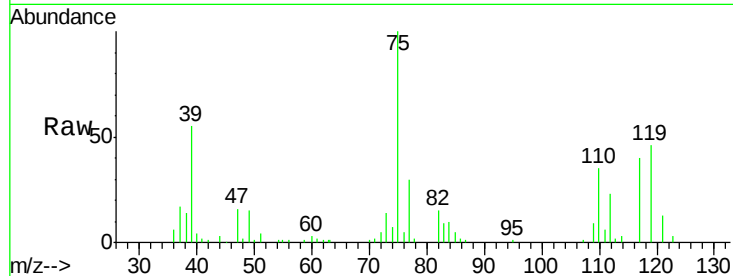
#29
 1,1-Dichloropropene
 Concen: 9.74 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
75	100	26692		
110	37.9		0.0	75.6
77	31.5		0.0	62.6

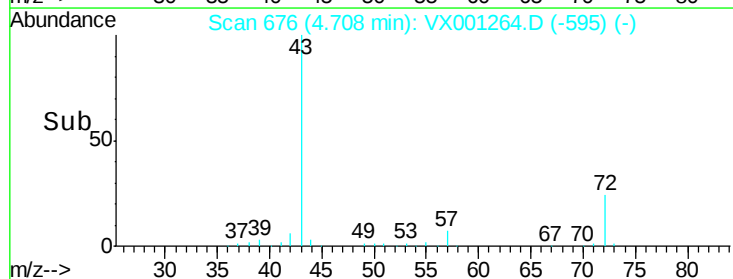
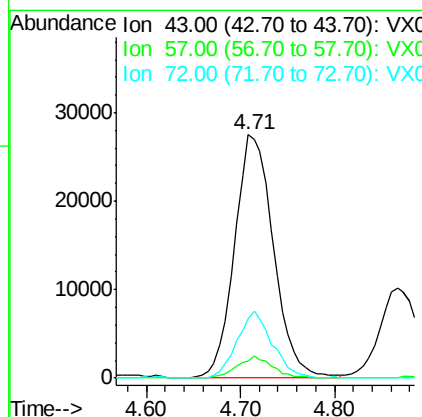
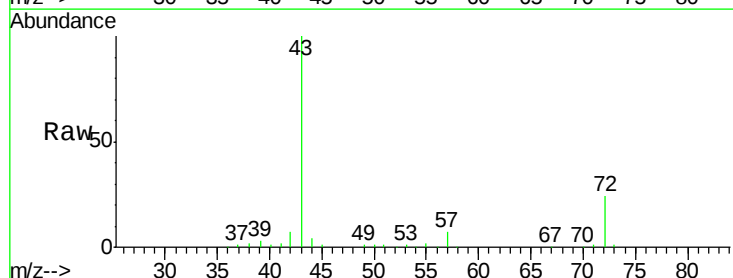
Manual Integrations
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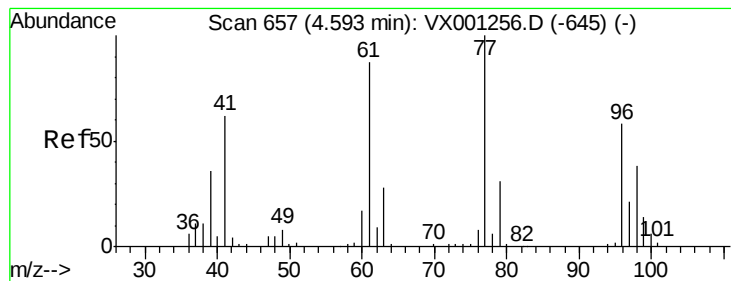
MMDadoda
 5/2/2018 11:08:08 AM



#30
 2-Butanone
 Concen: 56.04 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	78680		
57	8.1		6.6	10.0
72	25.1		21.8	32.6





#31

2,2-Dichloropropane

Concen: 8.82 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 77 Resp: 26387

Ion Ratio Lower Upper

77 100

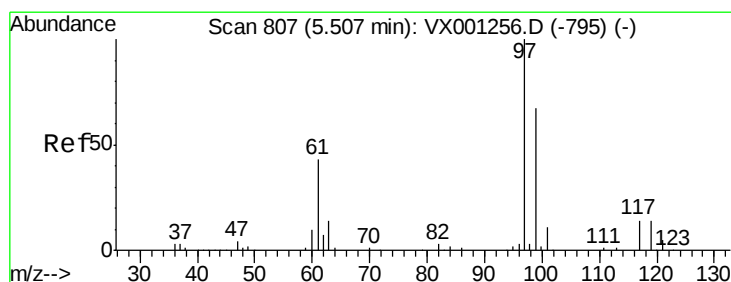
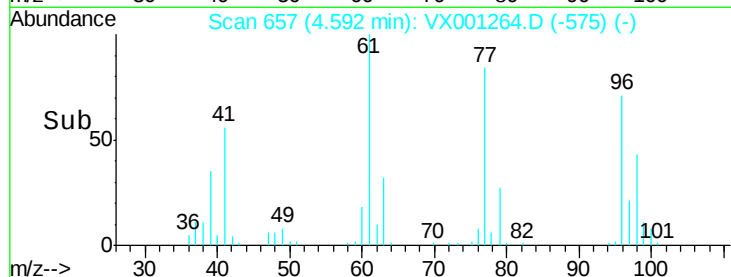
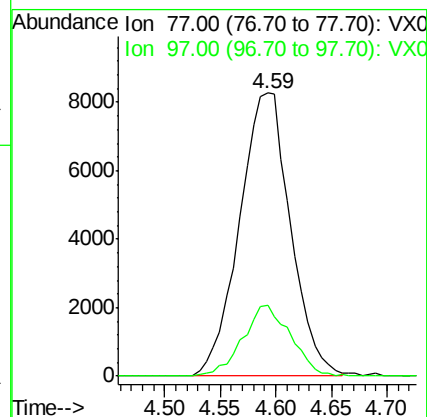
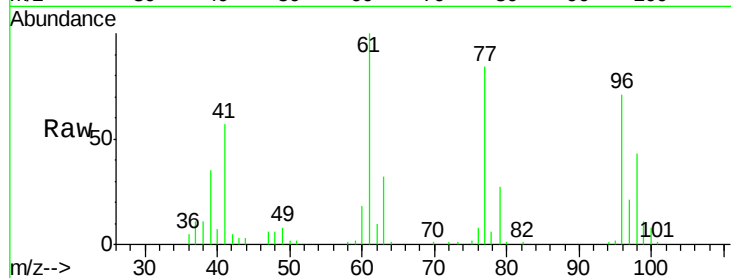
97 23.4 18.6 27.8

Manual Integrations

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MMDadoda

5/2/2018 11:08:08 AM



#32

1,1,1-Trichloroethane

Concen: 9.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

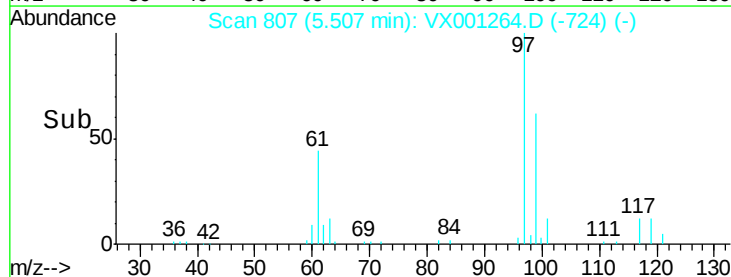
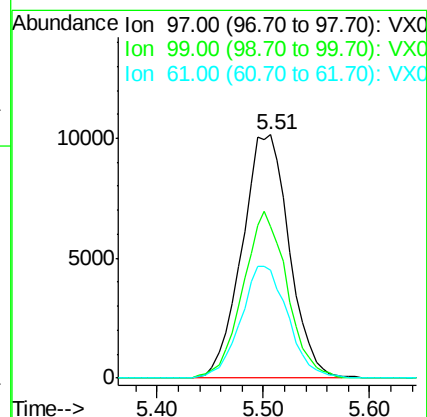
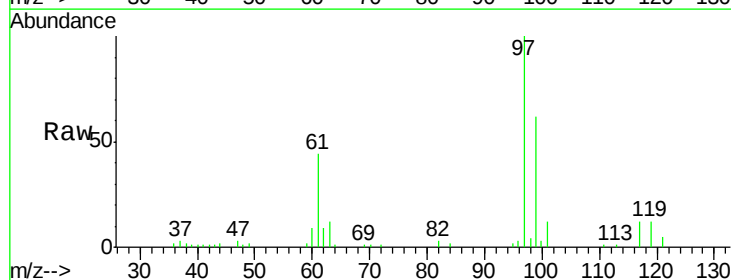
Tgt Ion: 97 Resp: 31580

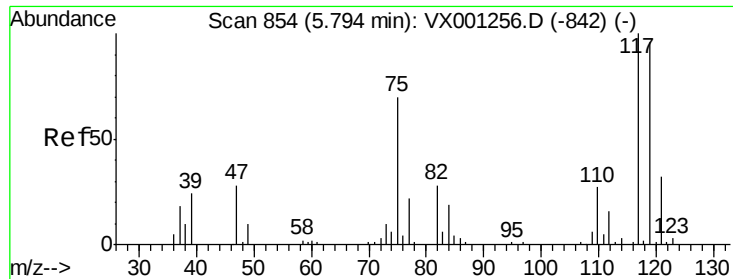
Ion Ratio Lower Upper

97 100

99 64.1 52.3 78.5

61 45.6 34.3 51.5





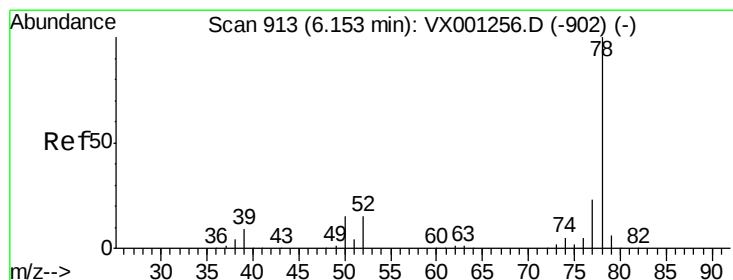
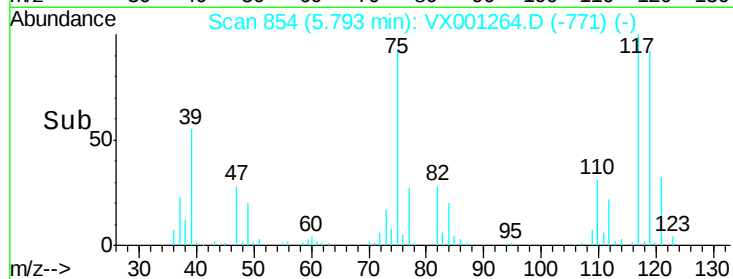
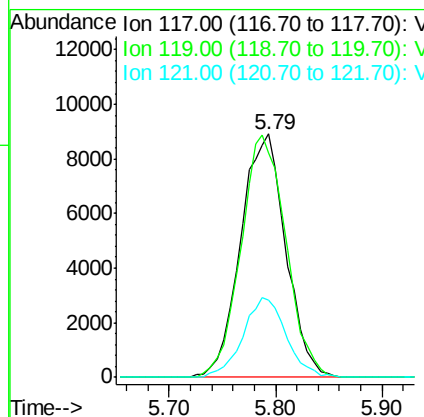
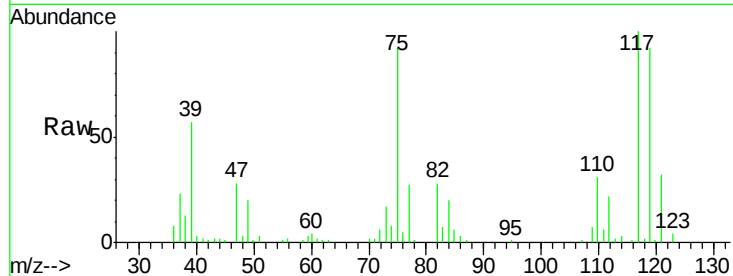
#33
Carbon Tetrachloride
Concen: 8.85 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.5	110.3
121	31.8	24.6	37.0

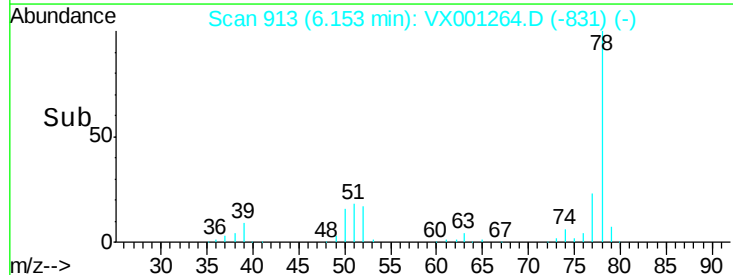
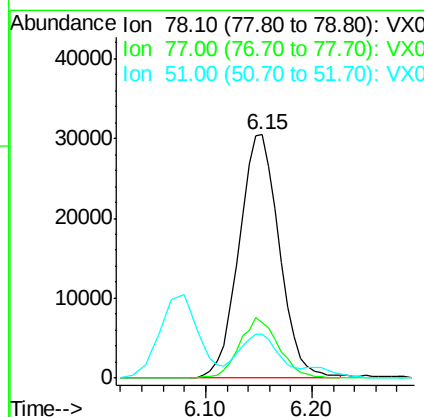
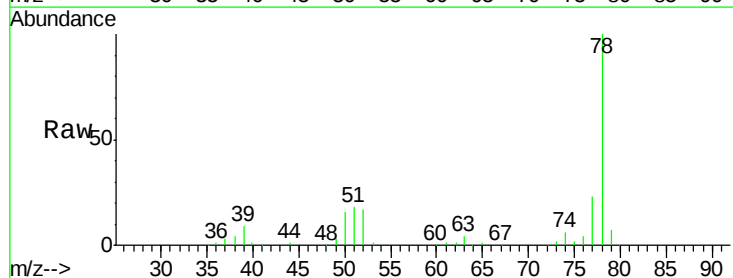
Manual Integrations
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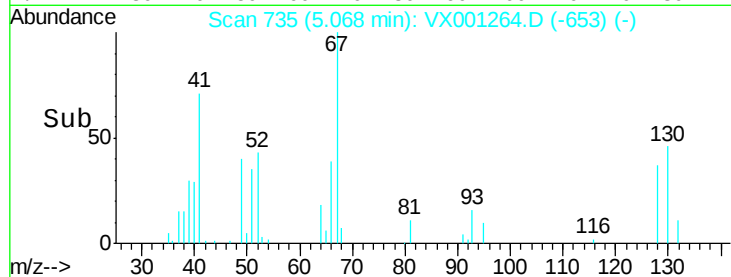
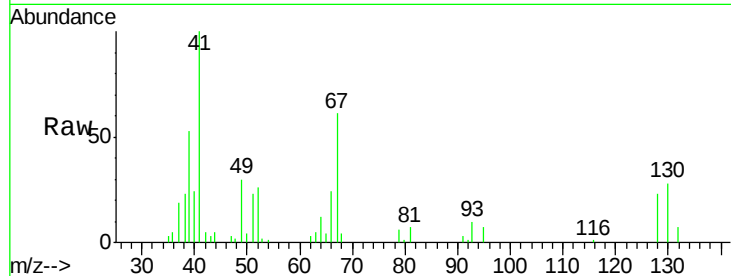
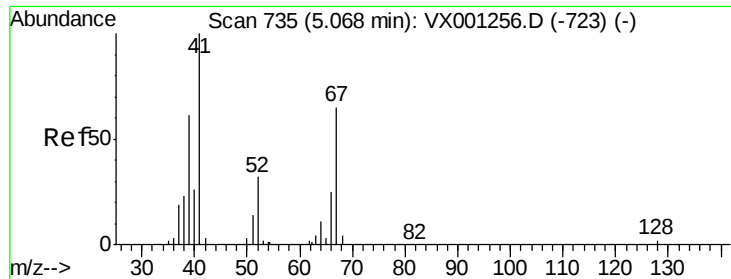
MMDadoda
5/2/2018 11:08:08 AM



#34
Benzene
Concen: 9.98 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	21.7	32.5
51	16.2	14.9	22.3





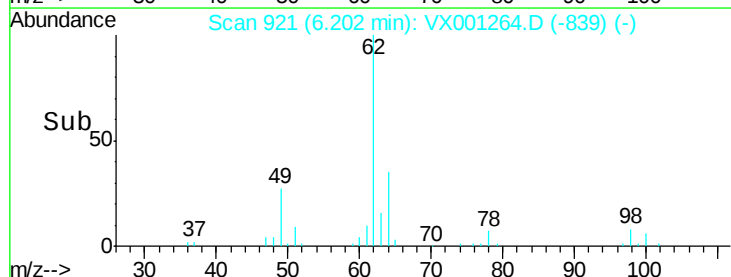
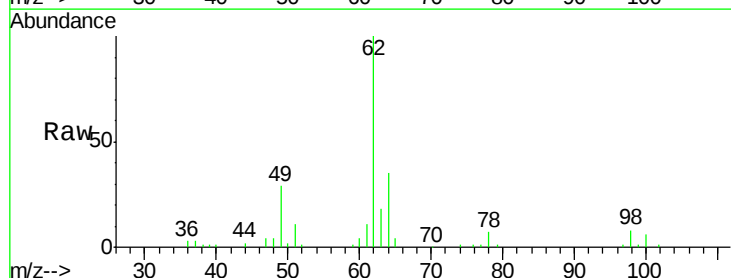
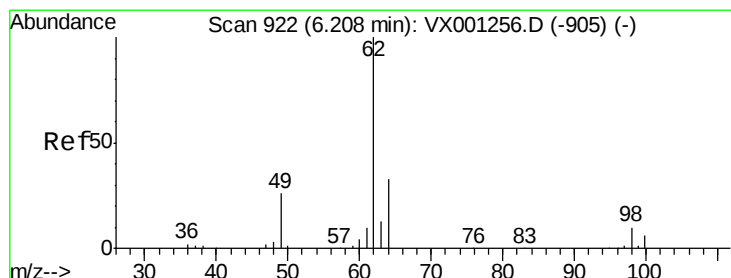
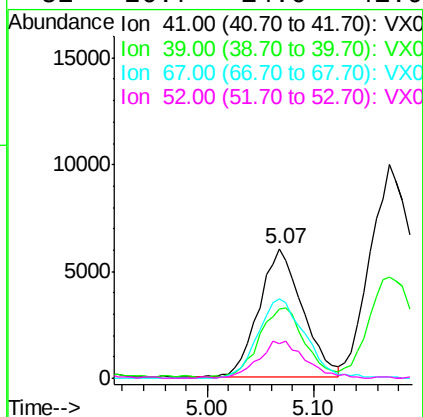
#35
Methacrylonitrile
Concen: 11.04 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.8	29.8	89.3		
67	61.9	28.7	86.3		
52	26.7	14.0	41.9		

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

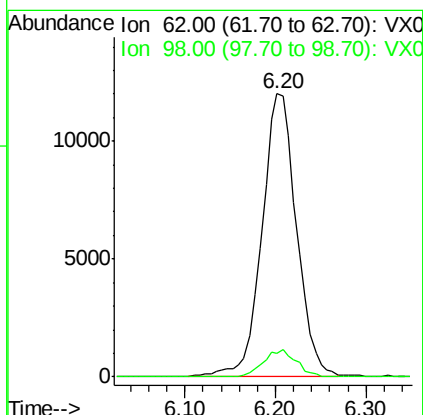
Manual Integrations
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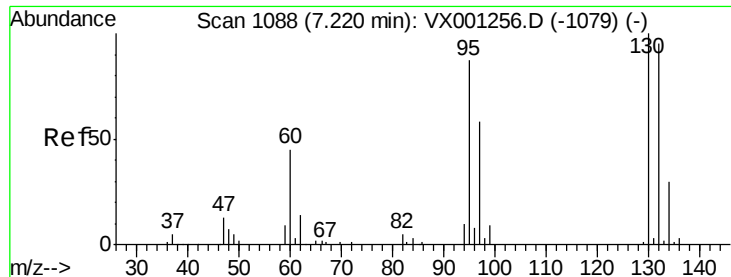
MMDadoda
5/2/2018 11:08:08 AM



#36
1,2-Dichloroethane
Concen: 10.18 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.1	6.9	10.3		





#37

Trichloroethene

Concen: 9.75 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:130 Resp: 23992

Ion Ratio Lower Upper

130 100

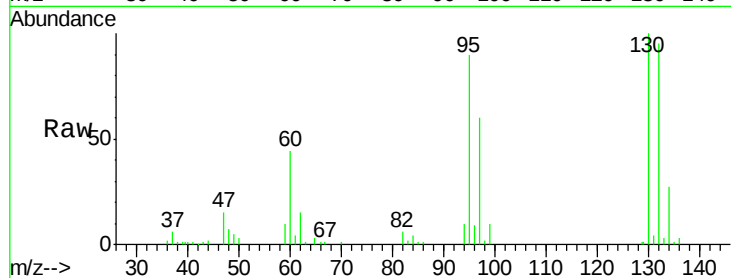
95 90.0 74.6 112.0

Manual Integrations

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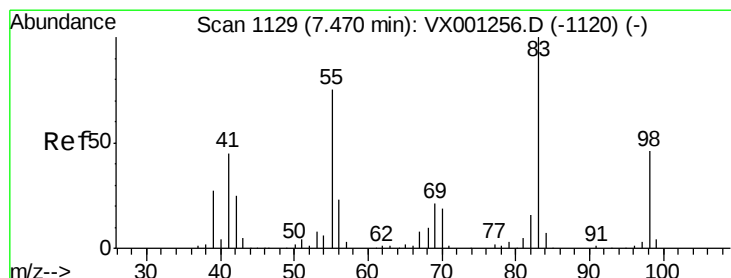
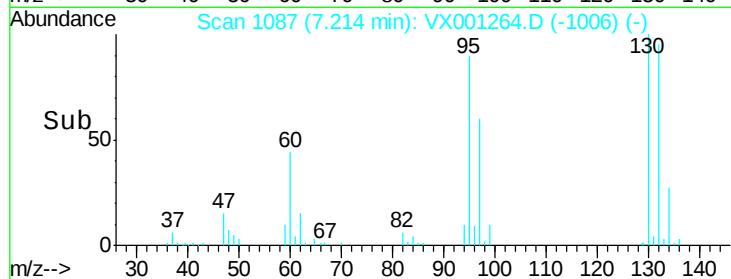
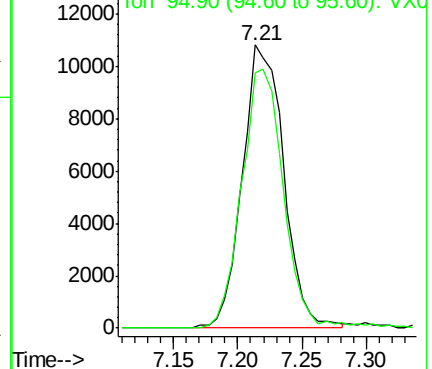
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 9.78 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

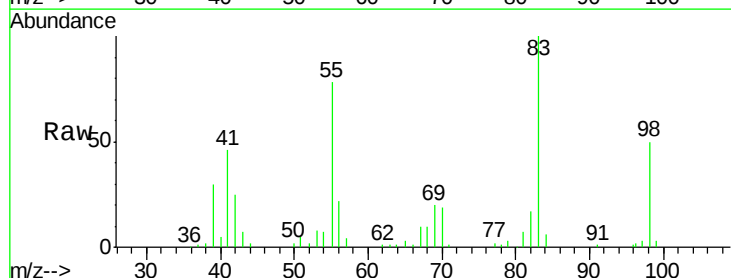
Tgt Ion: 83 Resp: 31536

Ion Ratio Lower Upper

83 100

55 77.0 35.9 107.7

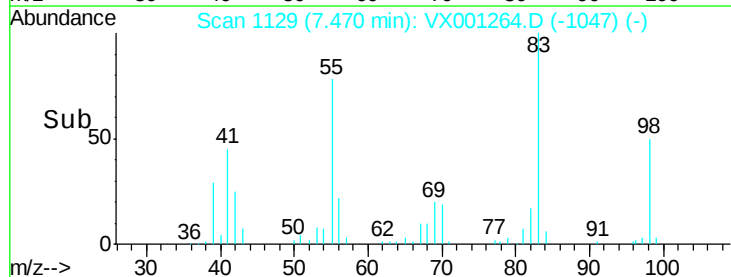
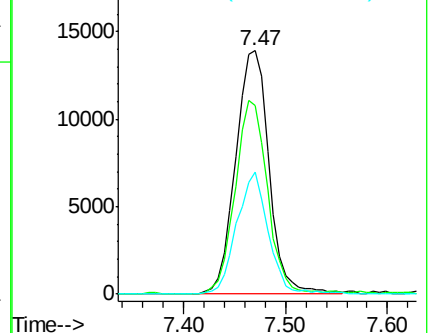
98 46.8 24.6 74.0

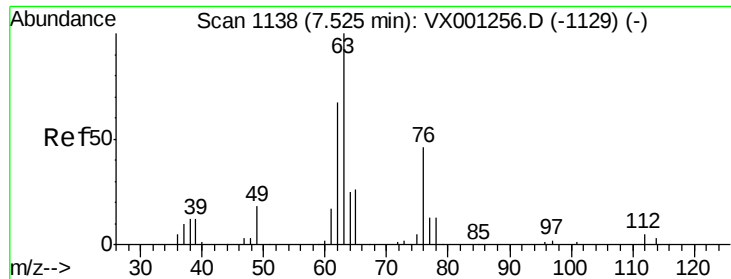


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





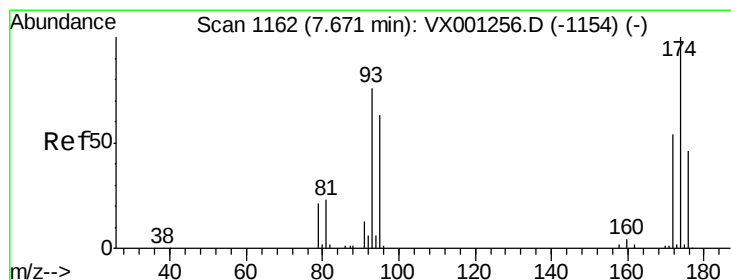
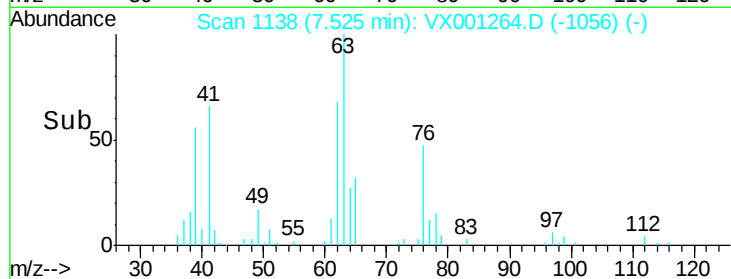
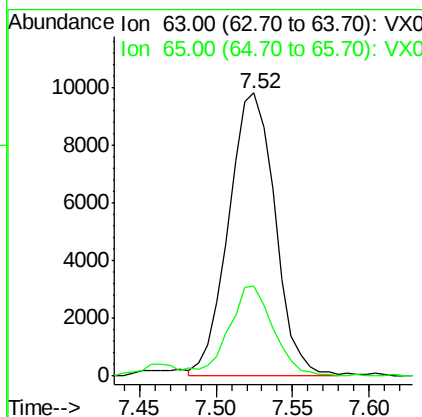
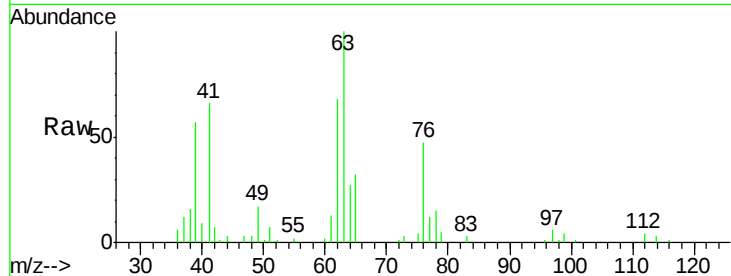
#39
 1,2-Dichloropropane
 Concen: 10.07 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion: 63 Resp: 20739
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.0 37.6

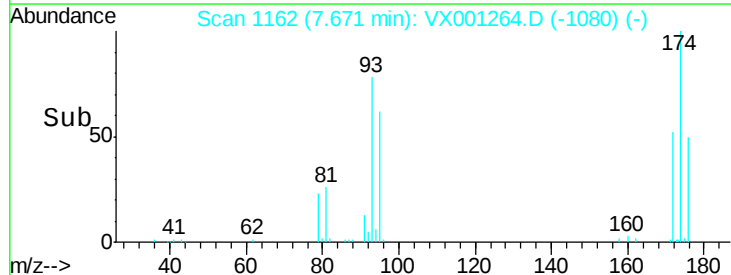
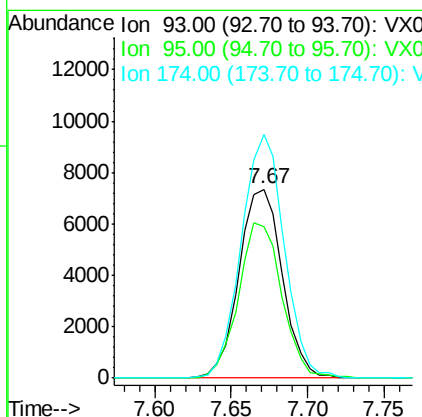
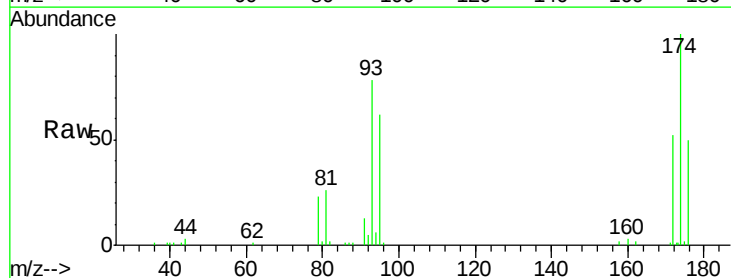
Manual Integrations
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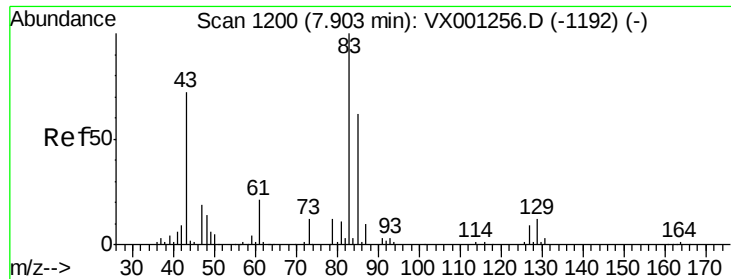
MMDadoda
 5/2/2018 11:08:08 AM



#40
 Dibromomethane
 Concen: 10.03 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion: 93 Resp: 14531
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 170.6
 174 127.3 0.0 210.4





#41

Bromodichloromethane

Concen: 9.11 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

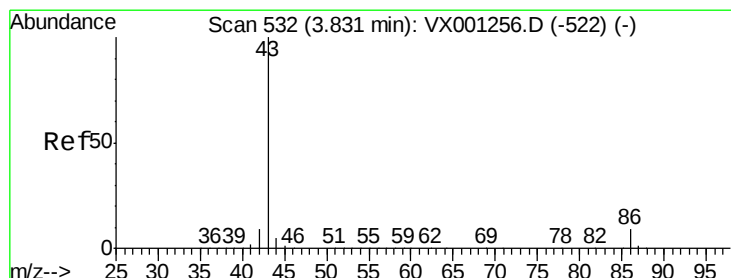
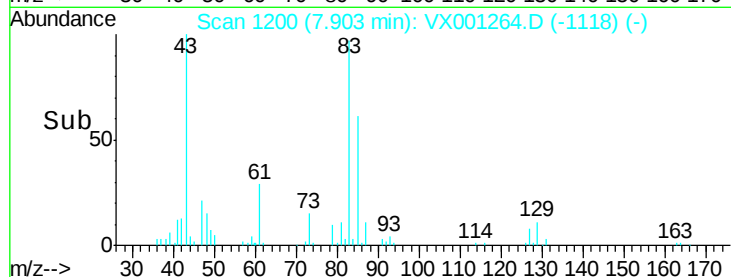
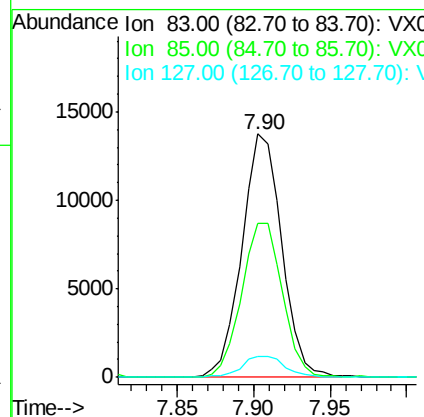
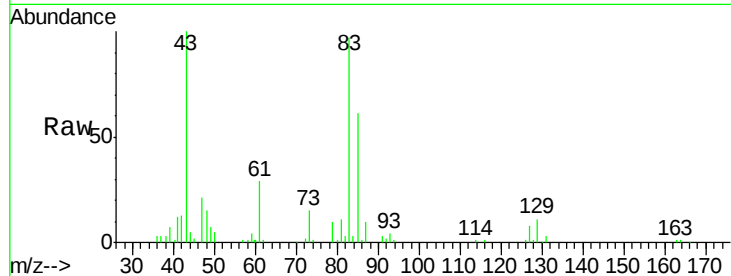
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:	83	Resp:	24933
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.0	75.0
127	8.4	6.6	10.0

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



#42

Vinyl Acetate

Concen: 47.58 ug/l

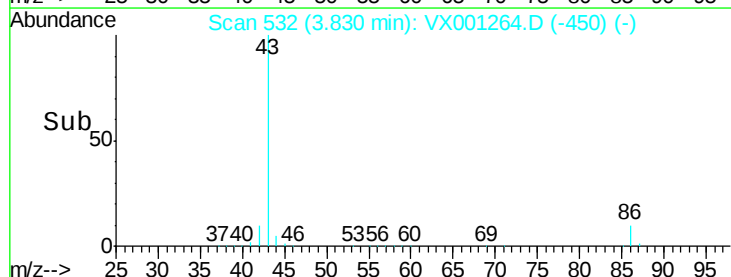
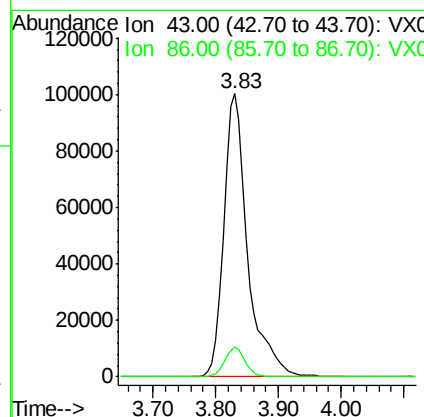
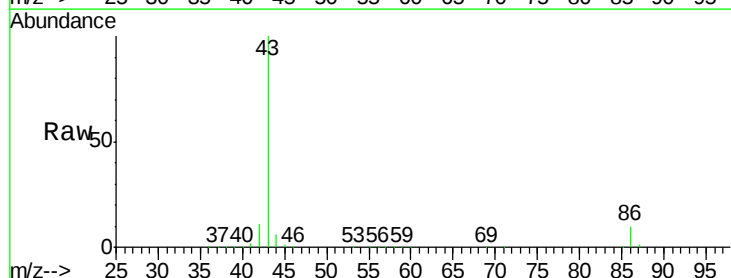
RT: 3.83 min Scan# 532

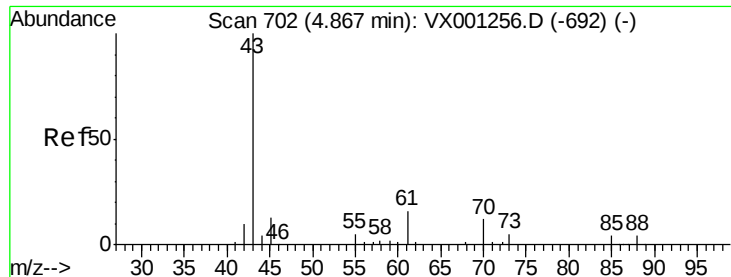
Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Tgt Ion:	43	Resp:	262745
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.8	11.6





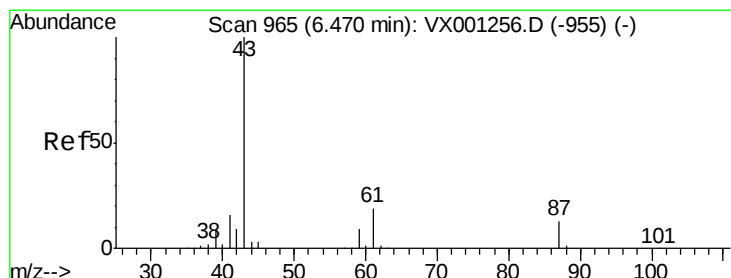
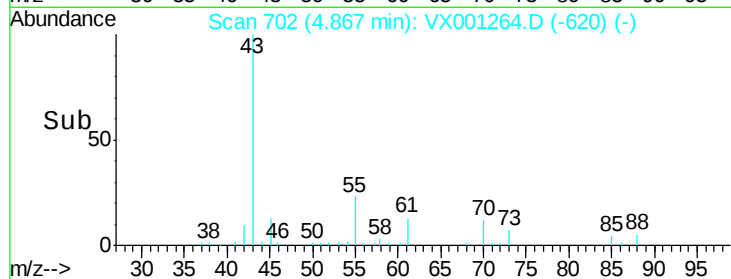
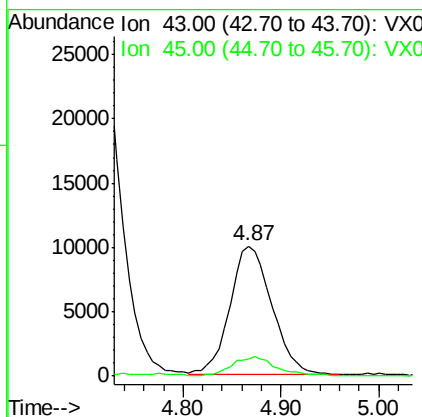
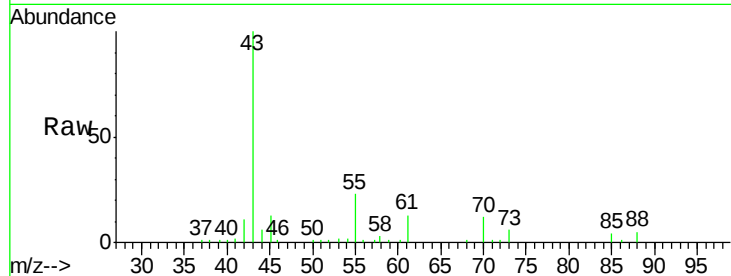
#43
Ethyl Acetate
Concen: 10.99 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion: 43 Resp: 29720
Ion Ratio Lower Upper
43 100
45 10.5 11.4 17.0#

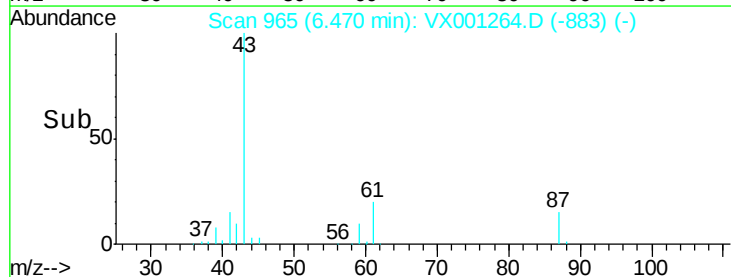
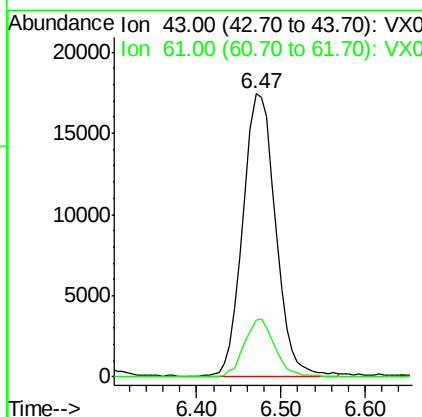
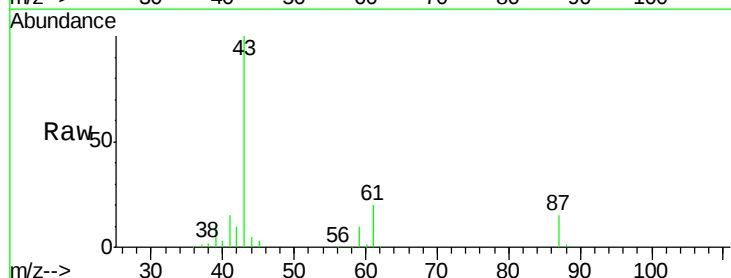
Manual Integrations
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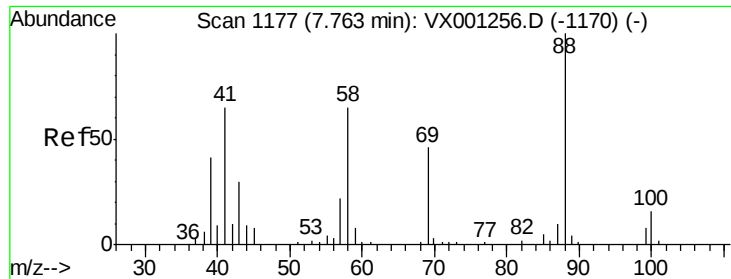
MMDadoda
5/2/2018 11:08:08 AM



#44
Isopropyl Acetate
Concen: 9.91 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion: 43 Resp: 45599
Ion Ratio Lower Upper
43 100
61 19.2 15.7 23.5





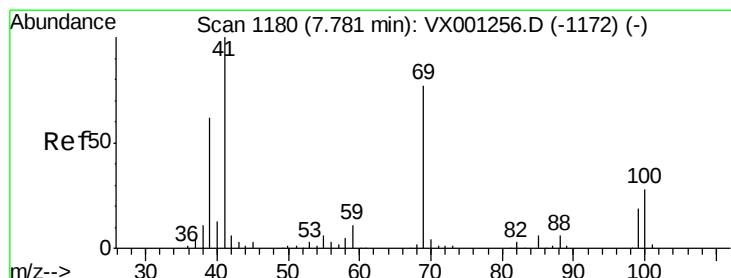
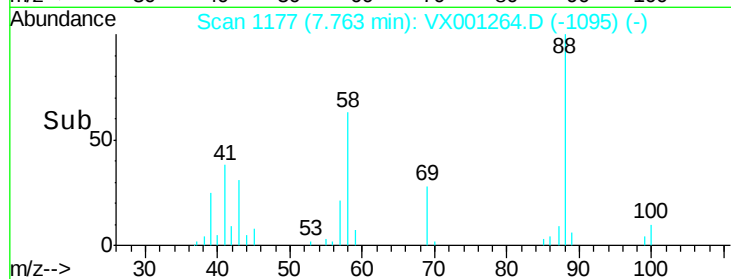
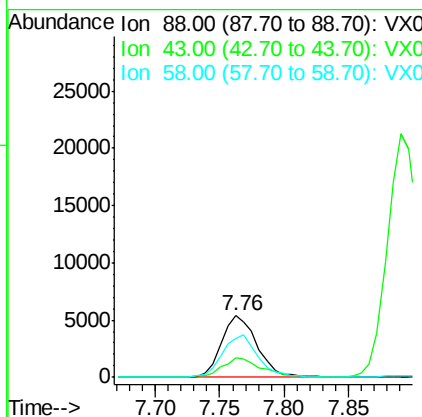
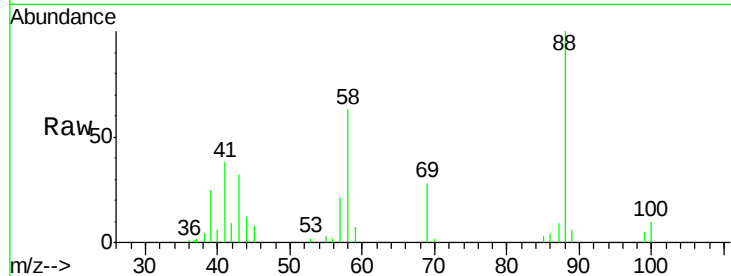
#45
 1,4-Dioxane
 Concen: 251.28 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.8	40.2
58	68.1	52.1	78.1

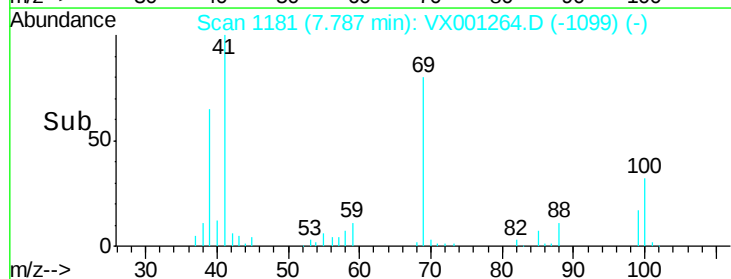
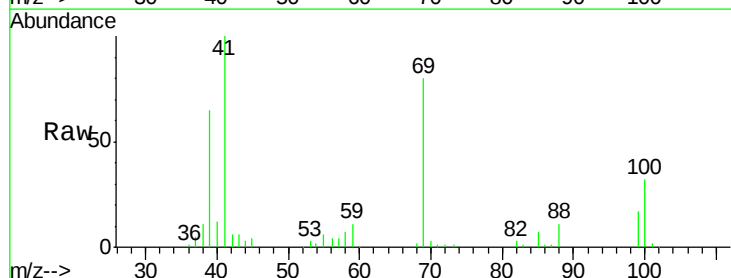
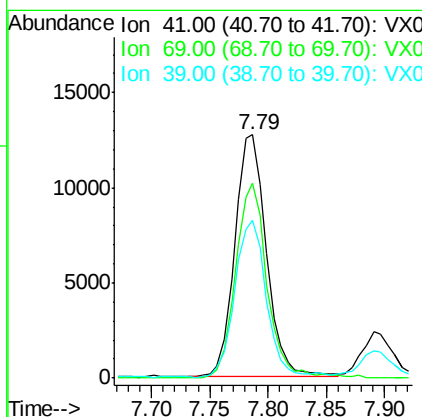
Manual Integrations
 APPROVED

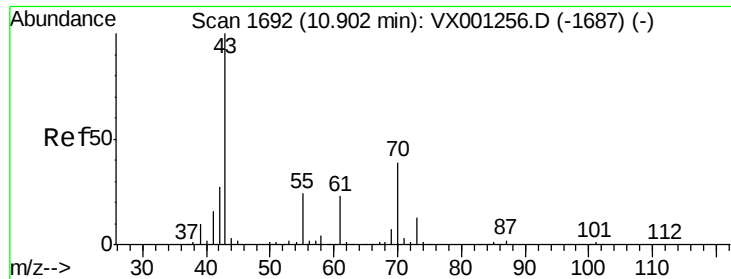
MMDadoda
 5/2/2018 11:08:08 AM



#46
 Methyl methacrylate
 Concen: 10.13 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.6	45.5	136.5
39	64.5	32.5	97.5





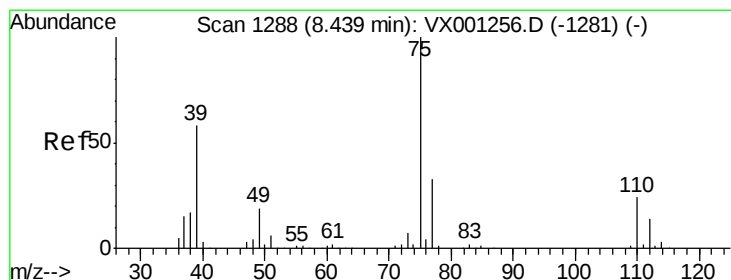
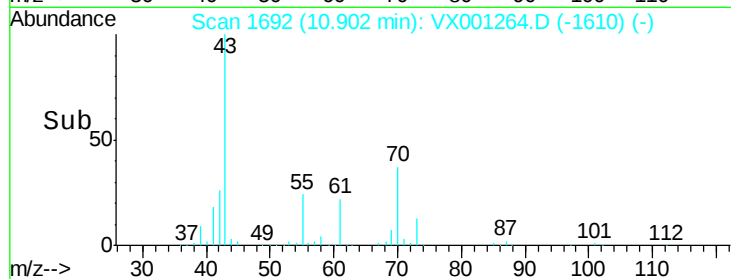
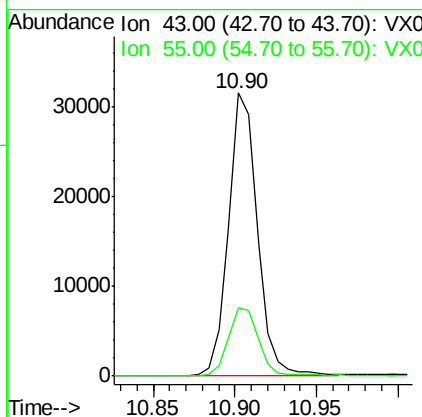
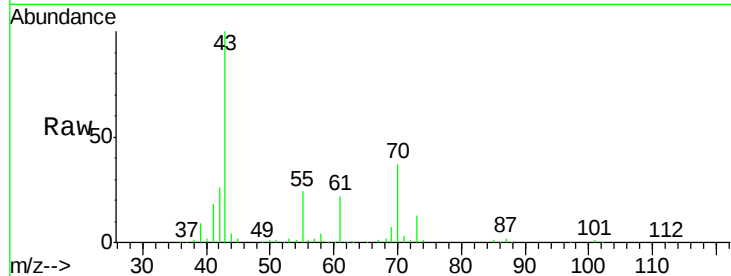
#47
n-amvl Acetate
Concen: 8.85 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	43	Resp	39063
Ion Ratio	100	Lower	Upper
55	25.8	19.4	29.2

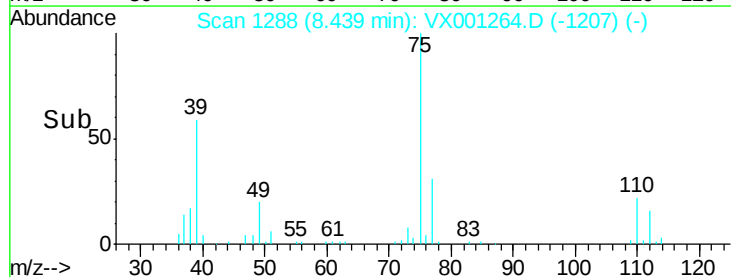
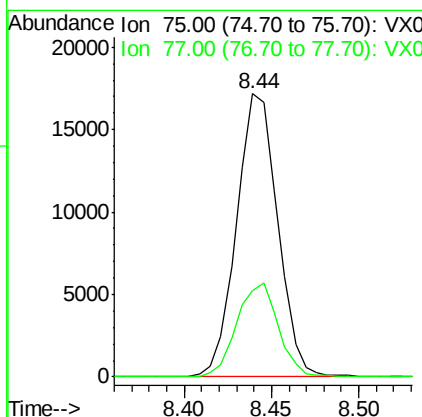
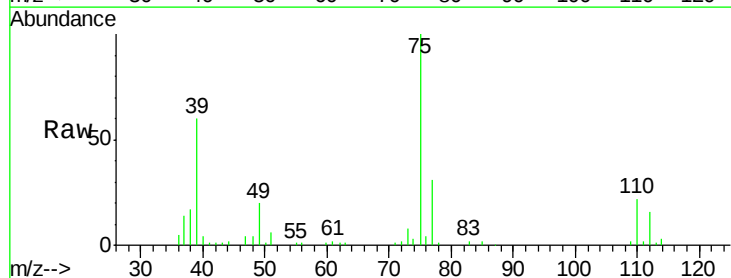
Manual Integrations
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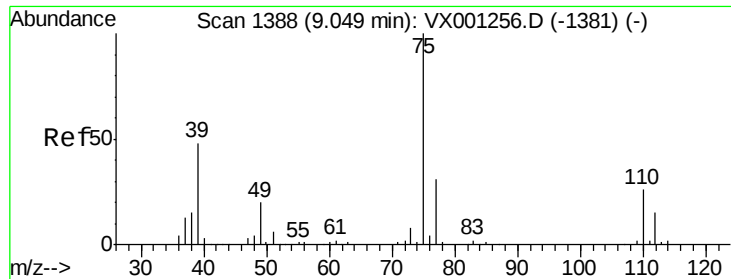
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 8.74 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	75	Resp	28137
Ion Ratio	100	Lower	Upper
77	30.7	24.6	37.0





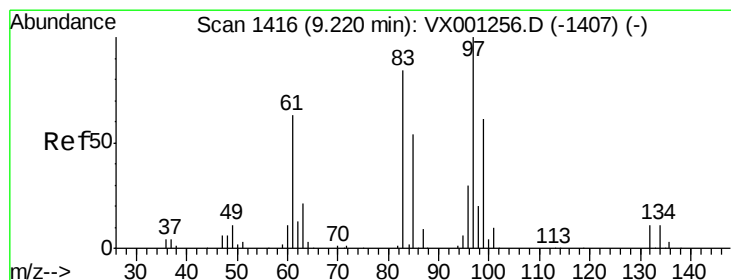
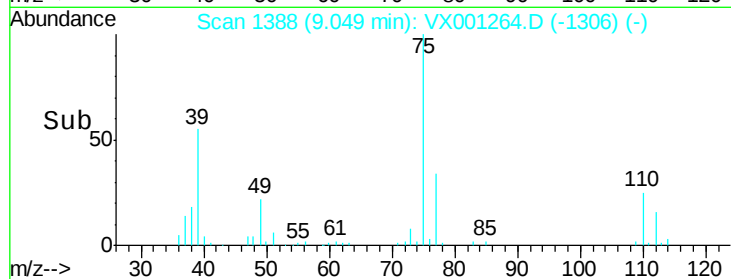
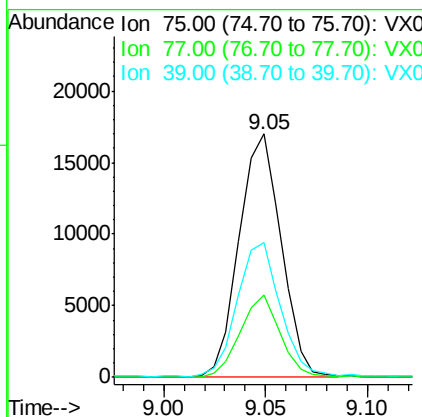
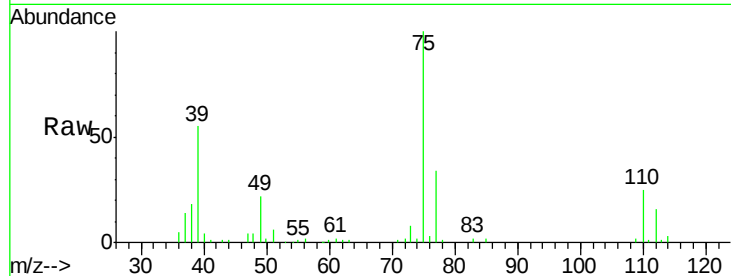
#49
 cis-1,3-Dichloropropene
 Concen: 7.91 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	24.5	36.7
39	55.1	35.6	53.4

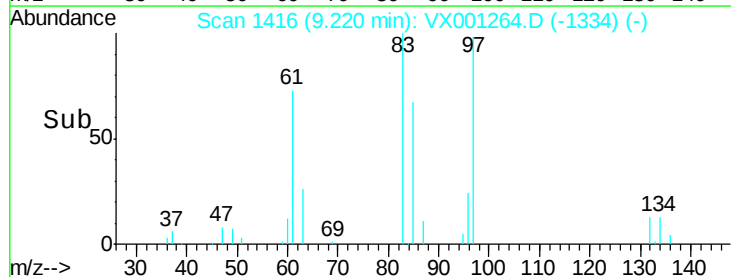
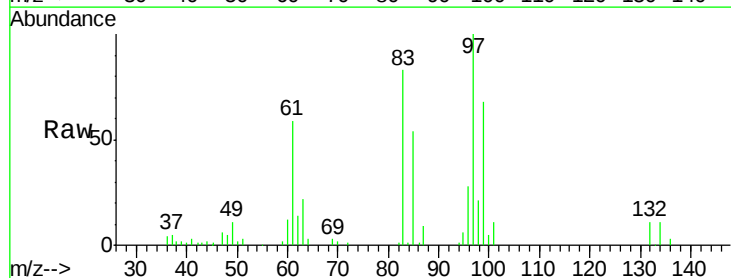
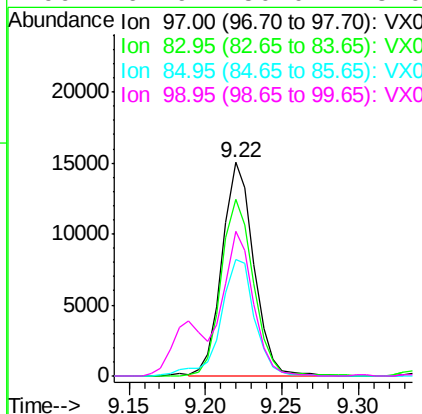
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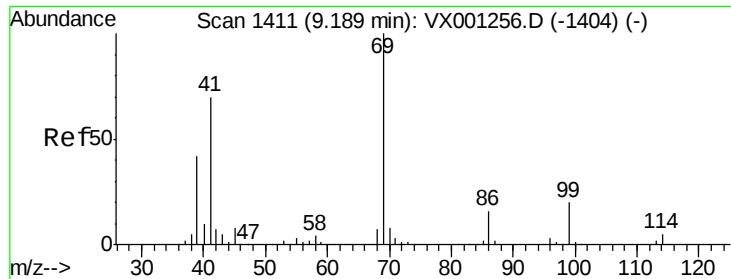
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 10.10 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.9	100.3
85	54.4	44.4	66.6
99	67.9	50.0	75.0





#51

Ethyl methacrylate

Concen: 9.41 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

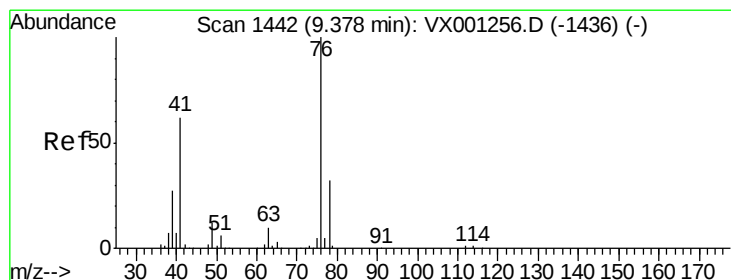
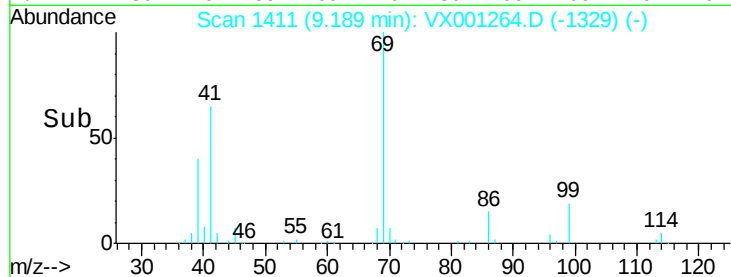
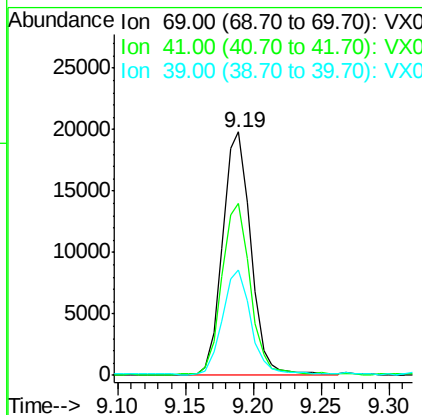
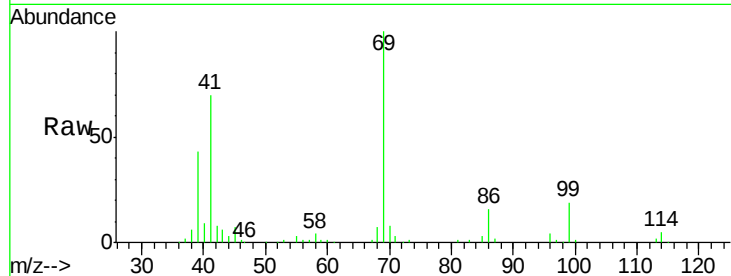
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:	69	Resp:	28827
Ion Ratio	Lower	Upper	
69	100		
41	69.8	32.1	96.3
39	43.0	19.6	58.7

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 10.08 ug/l

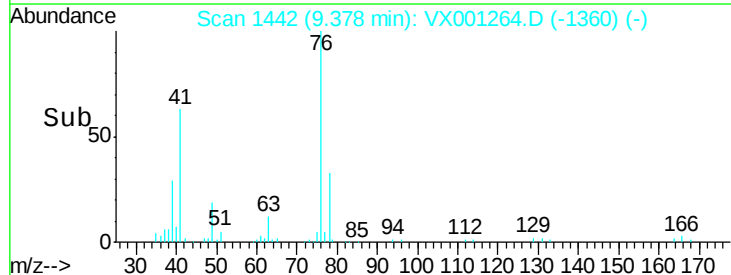
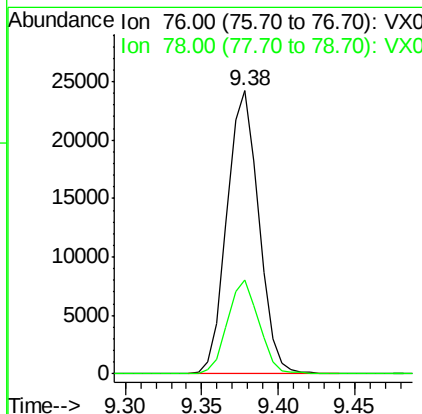
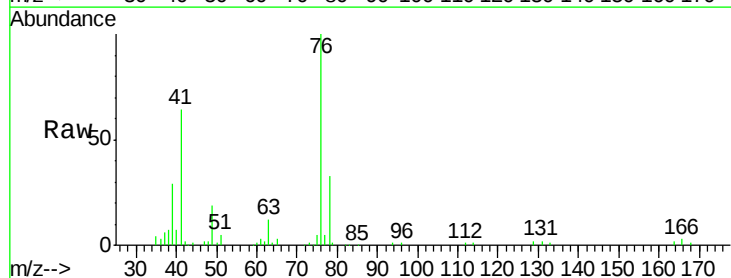
RT: 9.38 min Scan# 1442

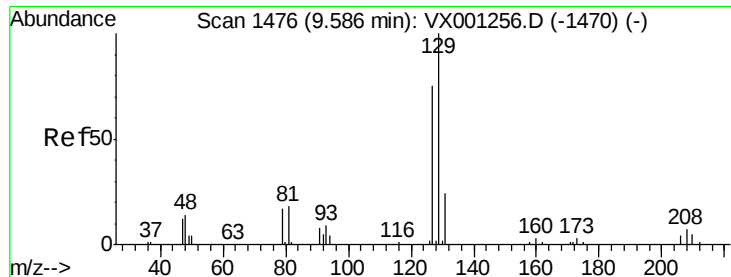
Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Tgt Ion:	76	Resp:	35044
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	65.0





#53

Dibromochloromethane

Concen: 8.59 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:129 Resp: 20385

Ion Ratio Lower Upper

129 100

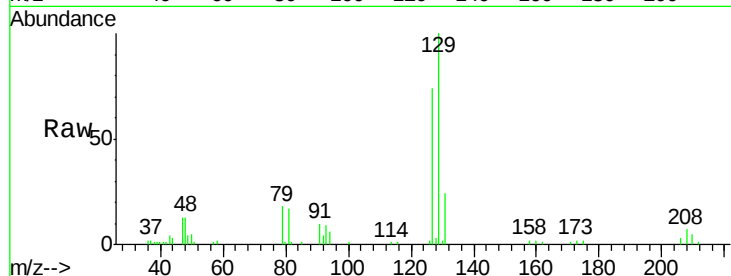
127 75.8 37.5 112.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15000

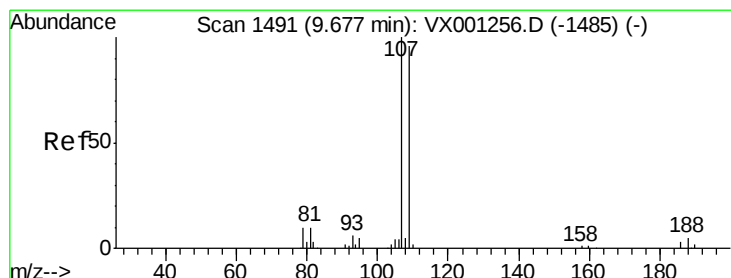
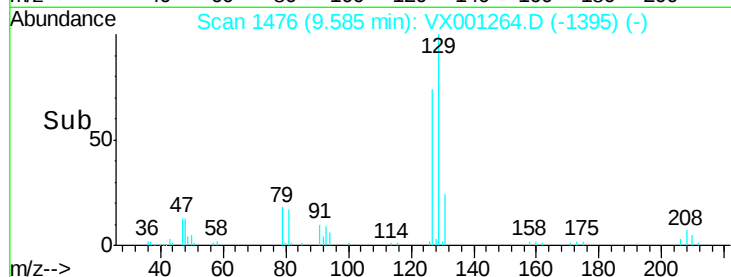
10000

5000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 9.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001264.D

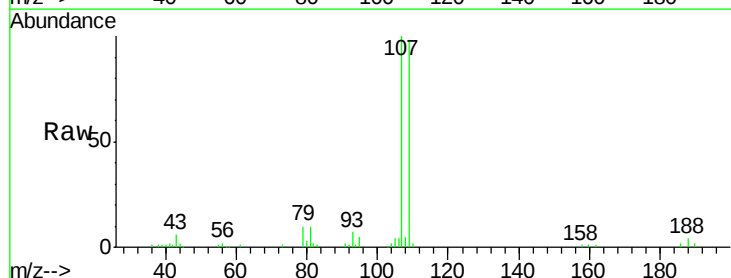
Acq: 30 Apr 2018 20:30

Tgt Ion:107 Resp: 22576

Ion Ratio Lower Upper

107 100

109 94.3 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

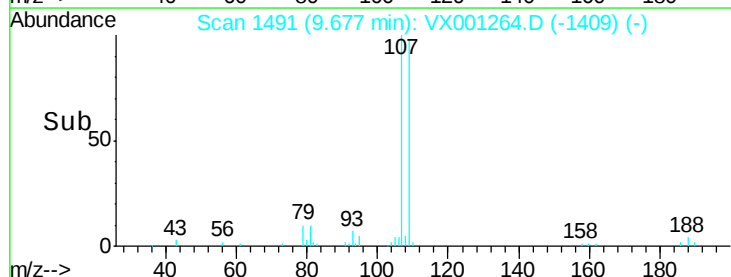
10000

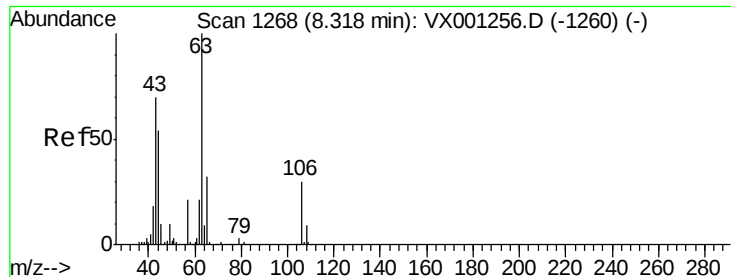
5000

0

9.65 9.70

Time-->





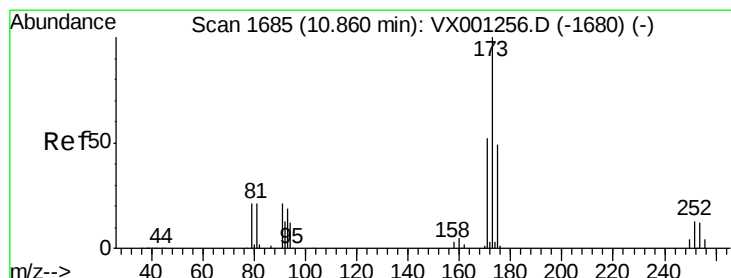
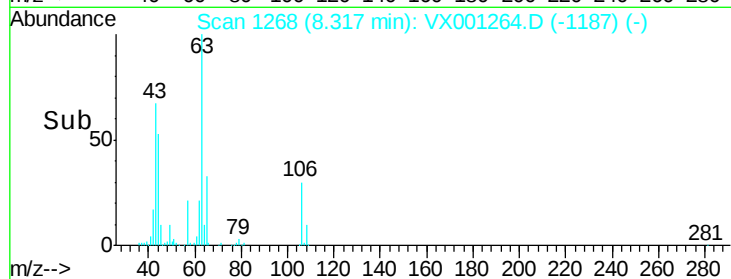
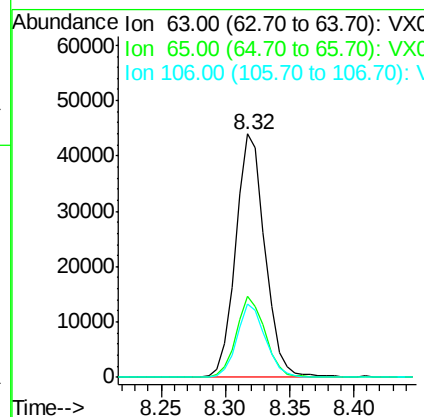
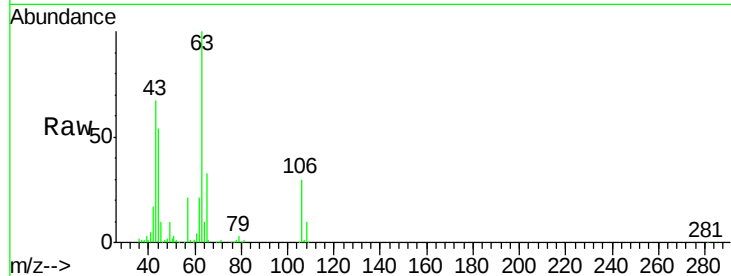
#55
2-Chloroethyl vinyl ether
Concen: 46.53 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.8
106	29.1	23.8	35.6

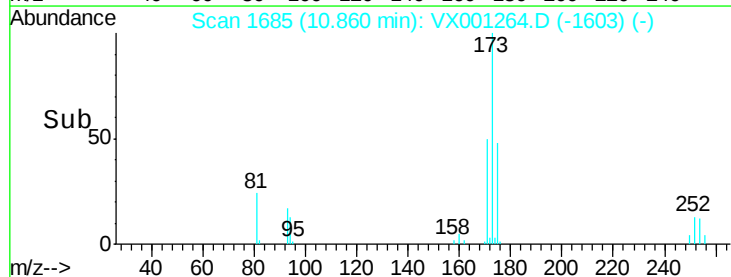
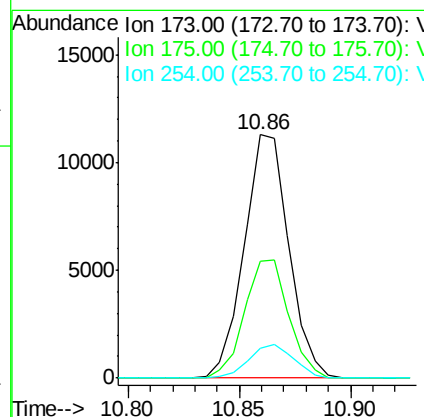
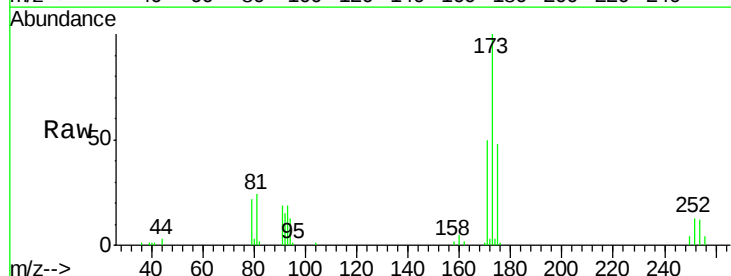
Manual Integrations
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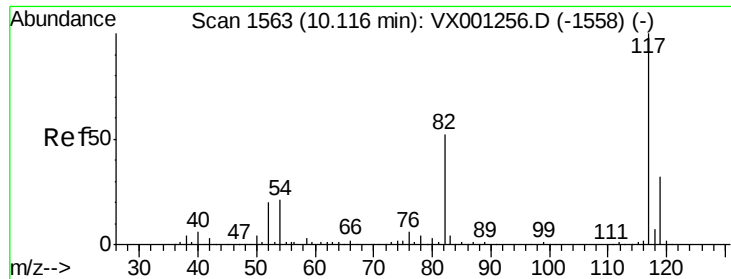
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#56
Bromoform
Concen: 8.14 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.4
254	13.7	7.0	10.4





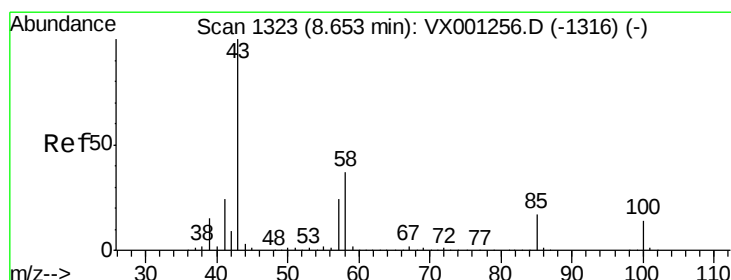
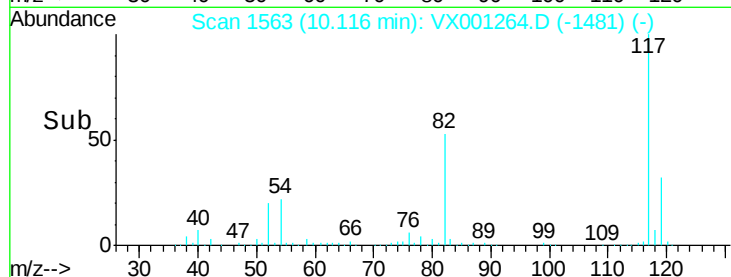
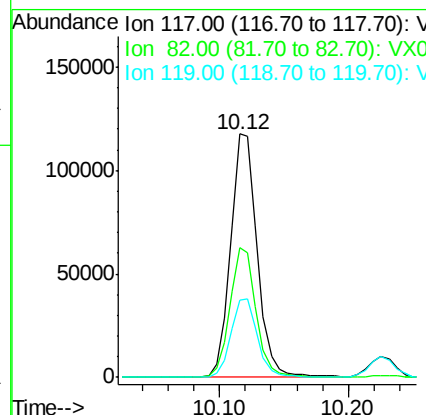
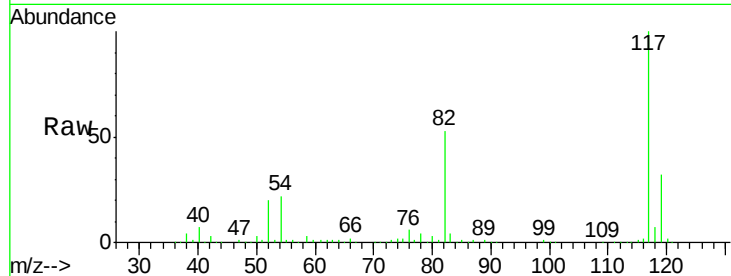
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.0	64.4
119	32.0	25.8	38.8

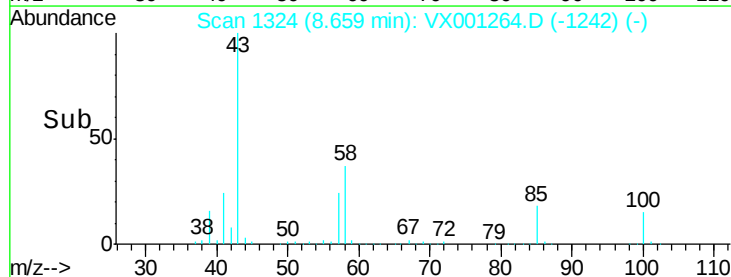
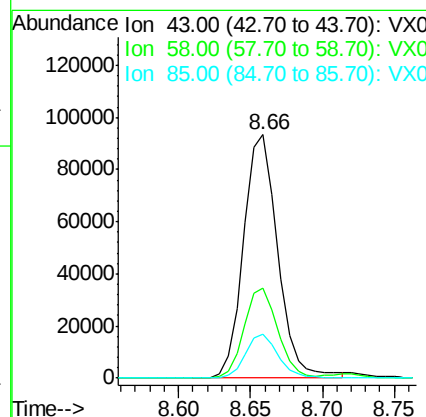
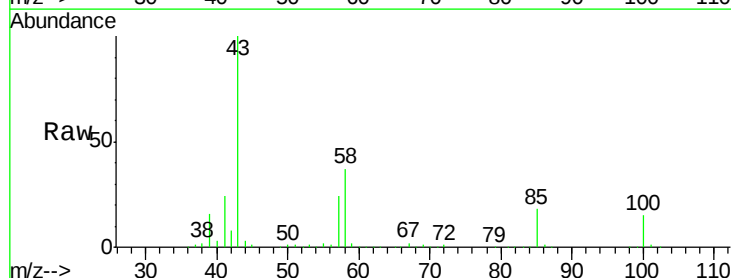
Manual Integrations
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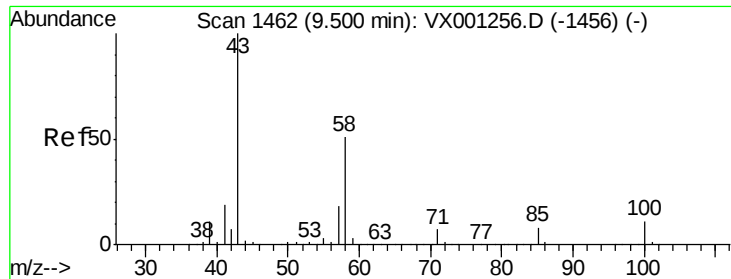
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 54.03 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.8	44.8
85	17.4	14.9	22.3





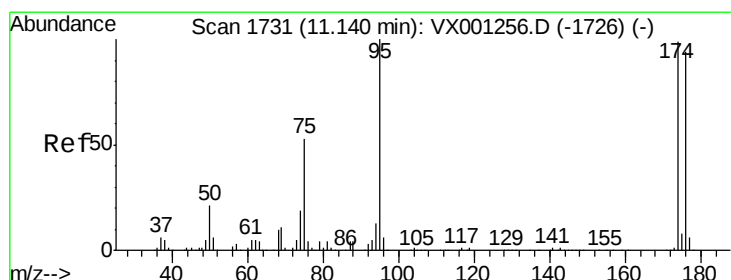
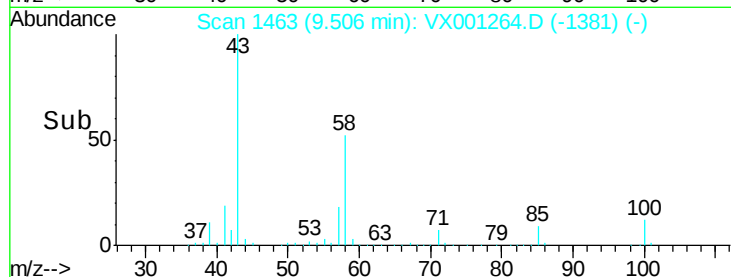
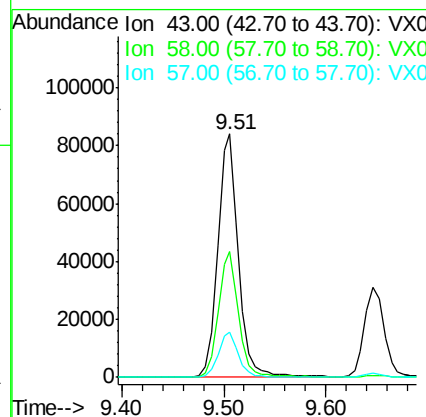
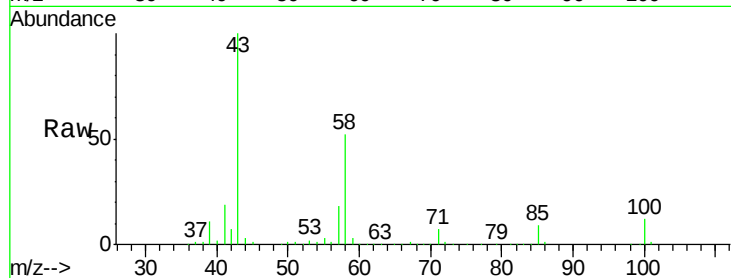
#59
2-Hexanone
Concen: 54.01 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.5	43.0	64.6
57	17.8	14.4	21.6

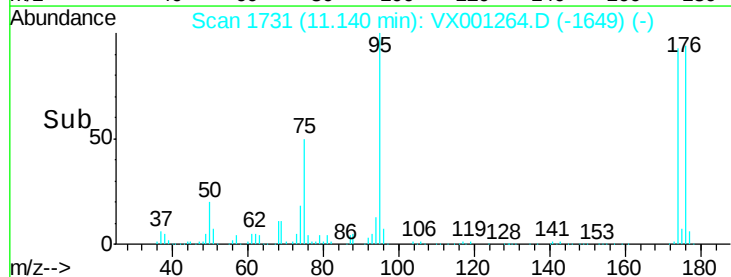
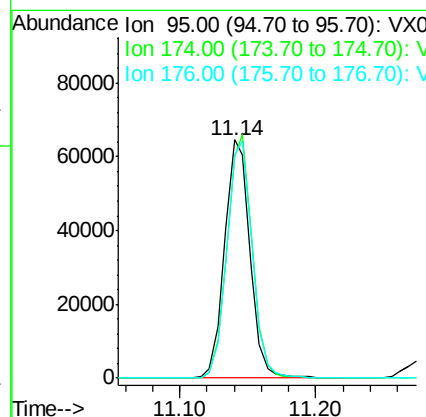
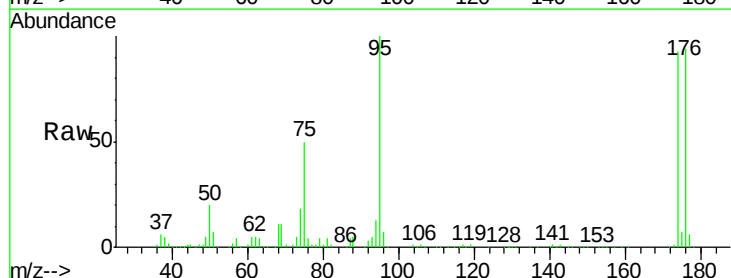
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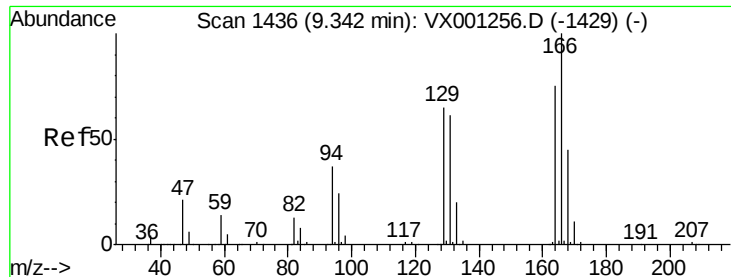
MMDadoda
5/2/2018 11:08:08 AM



#60
4-Bromofluorobenzene
Concen: 28.94 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.4	71.1	106.7
176	99.6	69.3	103.9





#61

Tetrachloroethene

Concen: 10.86 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion:164 Resp: 28530

Ion Ratio Lower Upper

164 100

166 125.1 99.0 148.4

129 83.0 77.0 115.6

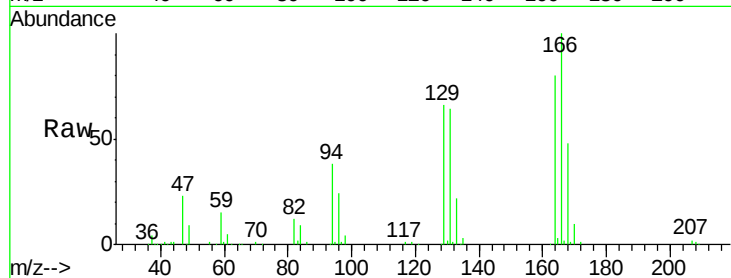
131 79.9 75.8 113.6

Manual Integrations

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MMDadoda

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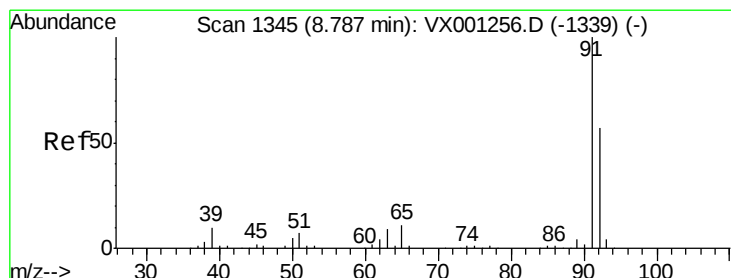
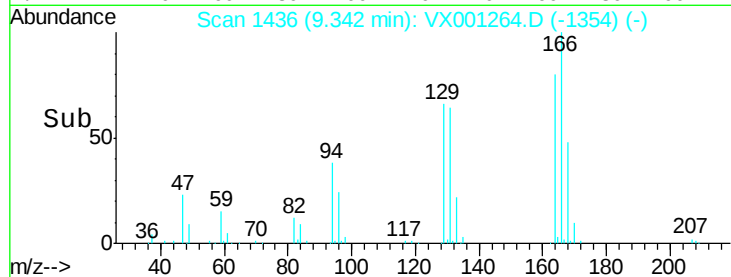
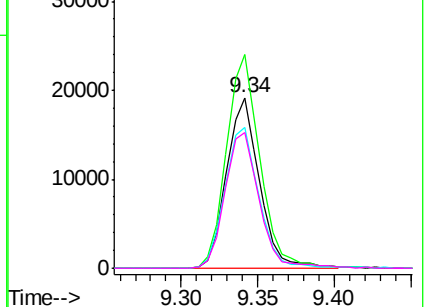


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 9.92 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001264.D

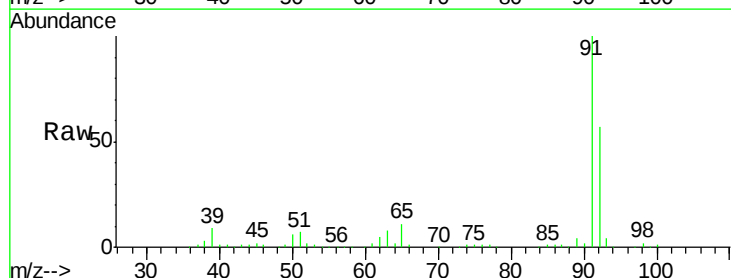
Acq: 30 Apr 2018 20:30

Tgt Ion: 91 Resp: 91441

Ion Ratio Lower Upper

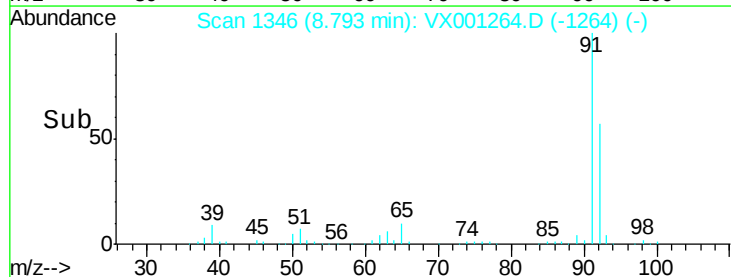
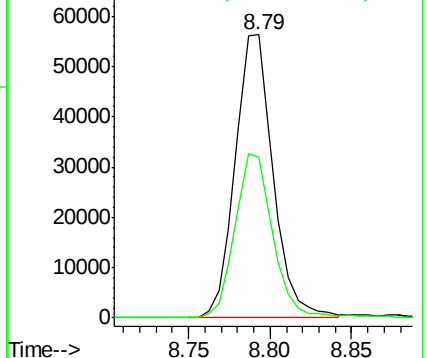
91 100

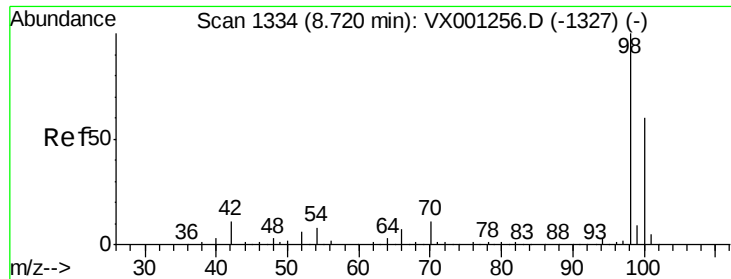
92 57.4 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





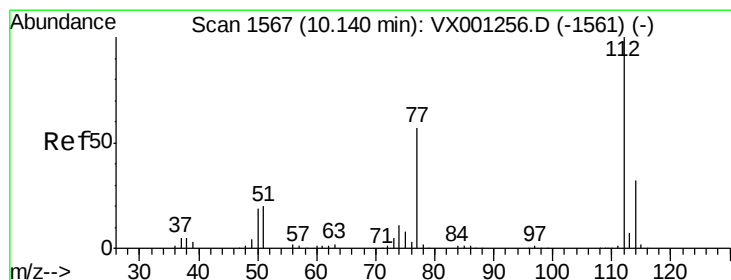
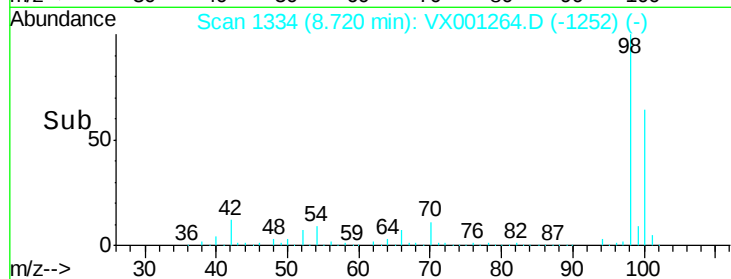
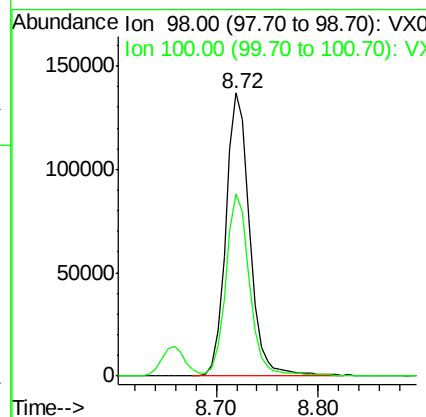
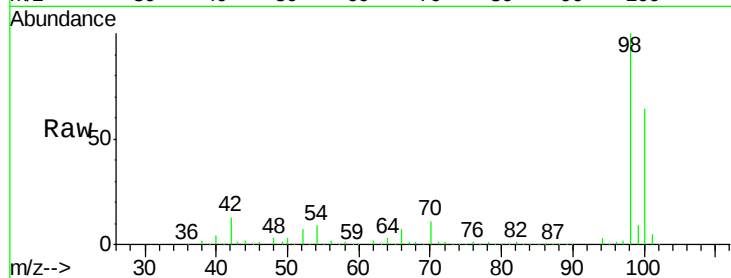
#63
Toluene-d8
Concen: 30.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion: 98 Resp: 222525
Ion Ratio Lower Upper
98 100
100 60.9 50.0 75.0

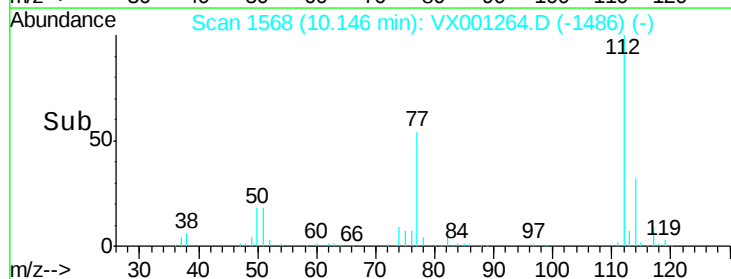
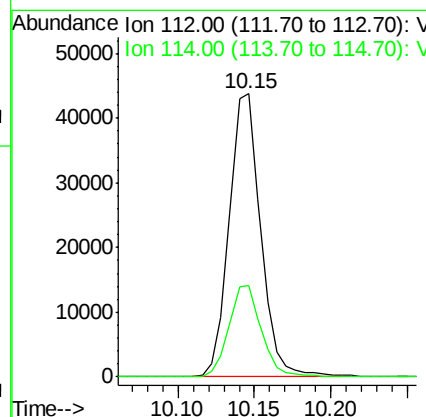
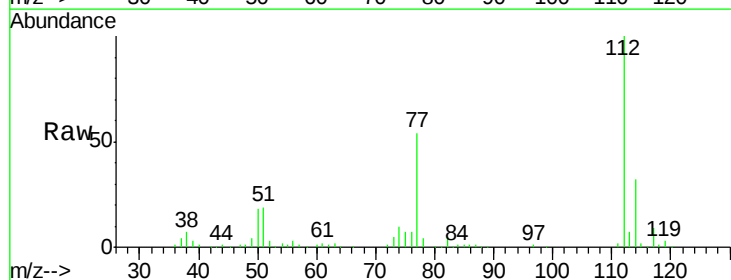
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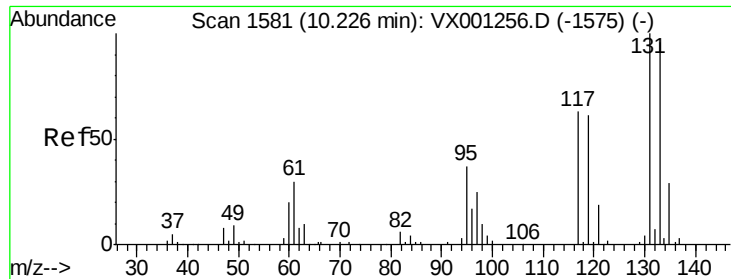
MMDadoda
5/2/2018 11:08:08 AM



#64
Chlorobenzene
Concen: 10.06 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion: 112 Resp: 62576
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6





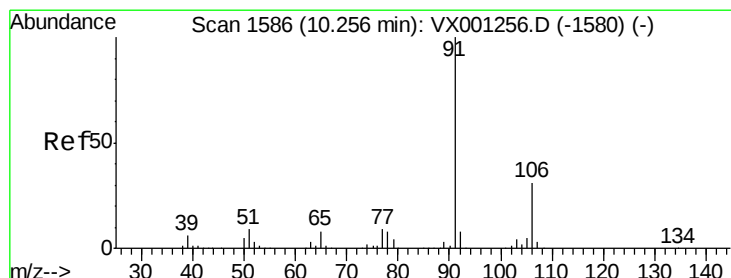
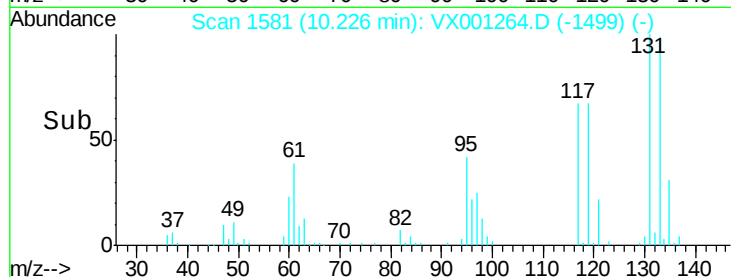
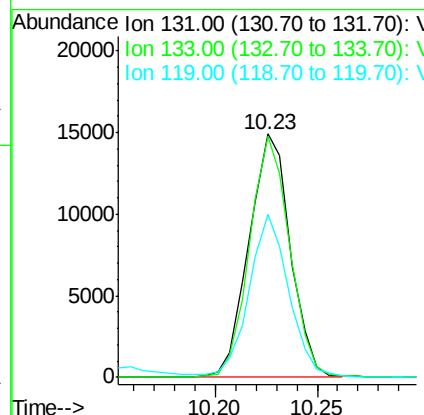
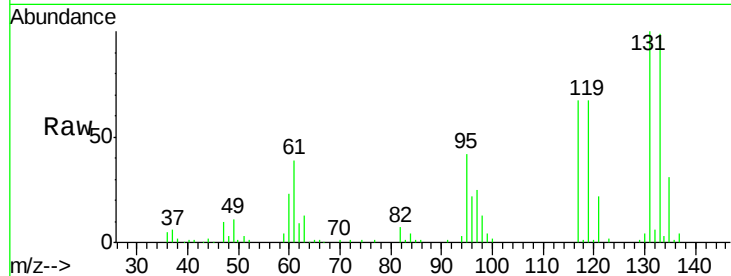
#65
 1,1,1,2-Tetrachloroethane
 Concen: 9.28 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	187.6
119	64.7	0.0	134.0

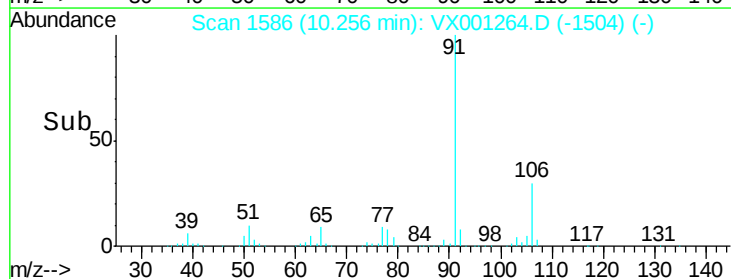
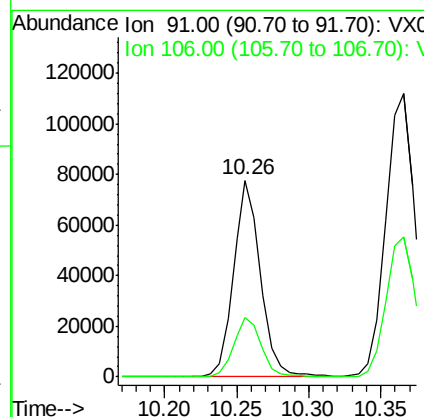
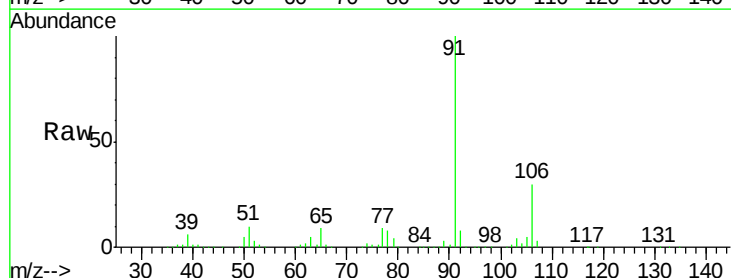
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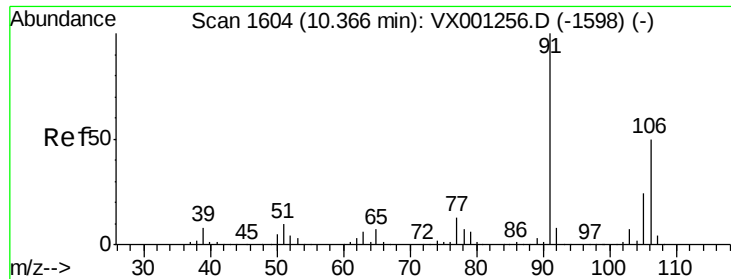
MMDadoda
 5/2/2018 11:08:08 AM



#66
 Ethyl Benzene
 Concen: 9.87 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.9	38.9





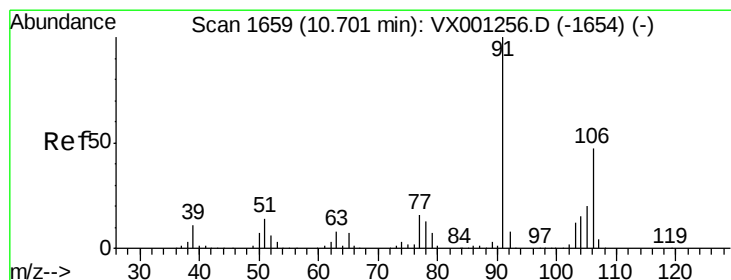
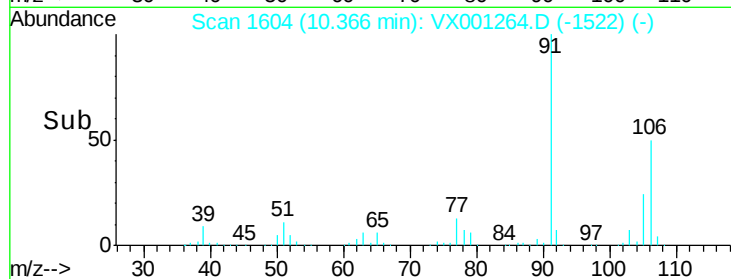
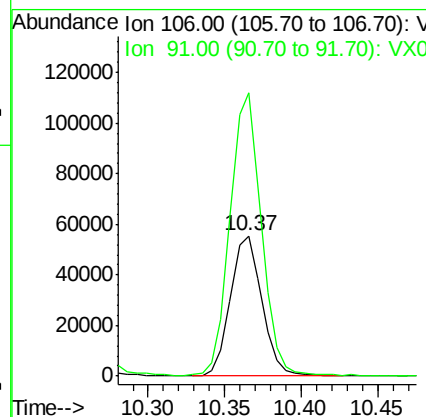
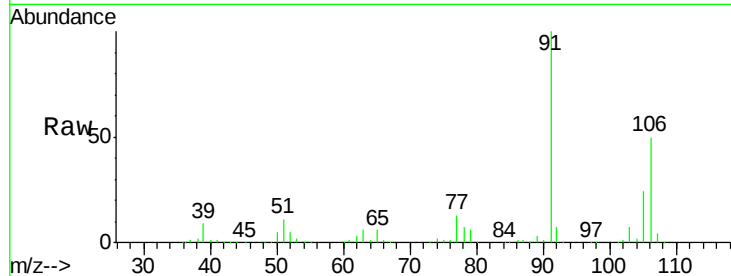
#67
m/p-Xvlenes
Concen: 19.47 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion:106 Resp: 79561
Ion Ratio Lower Upper
106 100
91 199.3 161.6 242.4

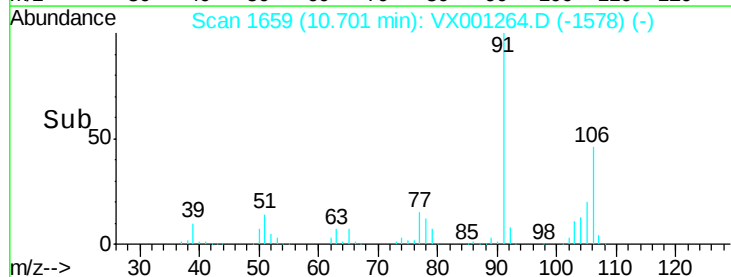
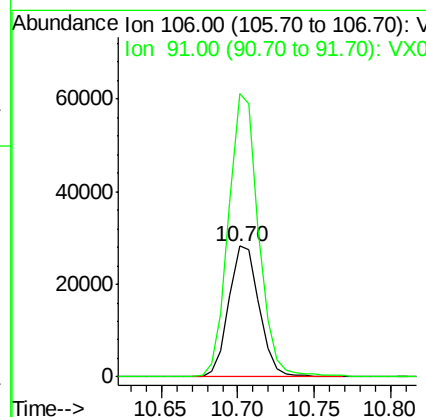
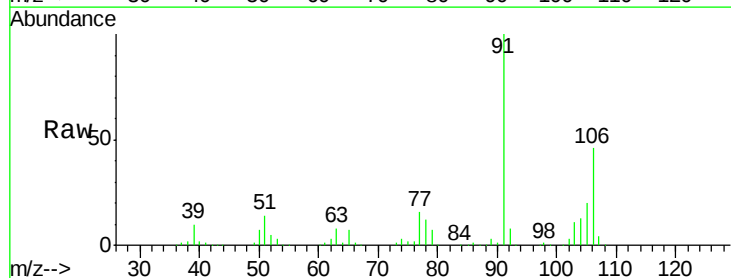
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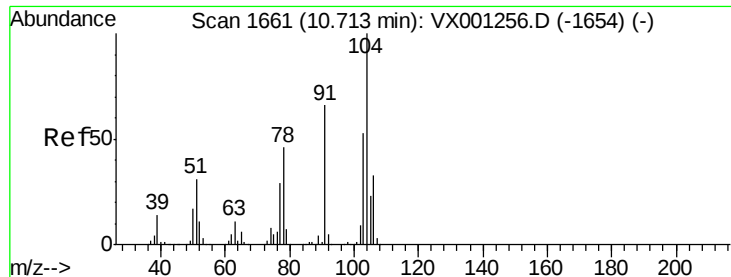
MMDadoda
5/2/2018 11:08:08 AM



#68
o-Xylene
Concen: 9.91 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion:106 Resp: 39142
Ion Ratio Lower Upper
106 100
91 212.2 105.6 316.8





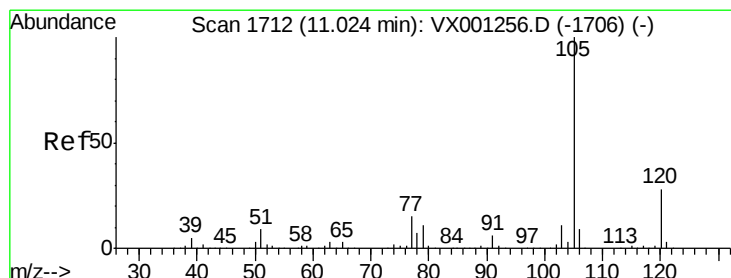
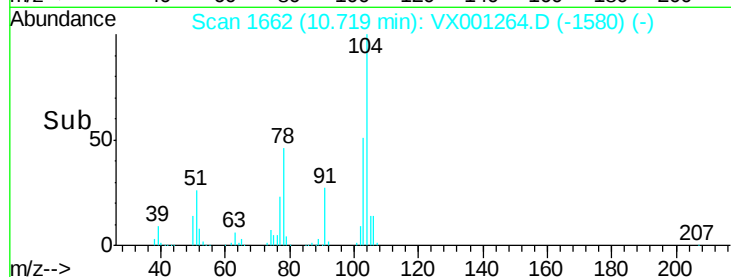
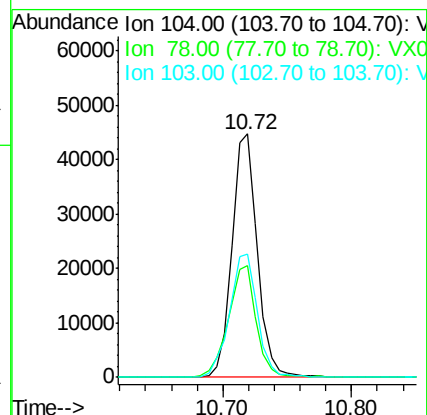
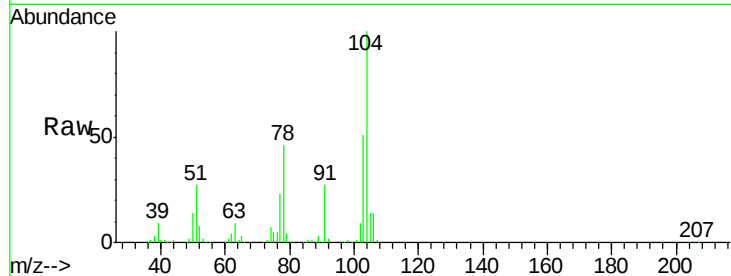
#69
Stvrene
Concen: 9.44 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.0	58.4
103	56.3	44.7	67.1

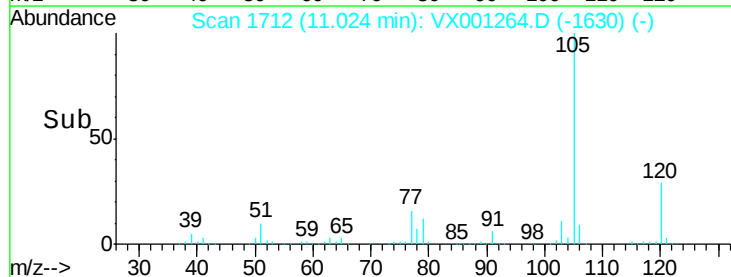
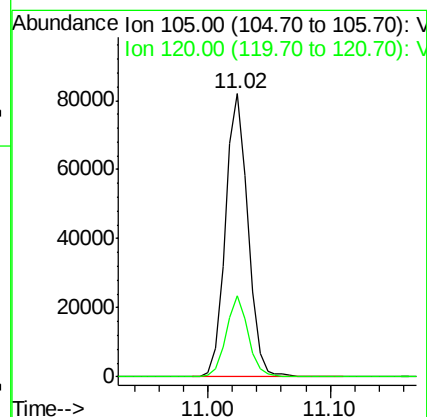
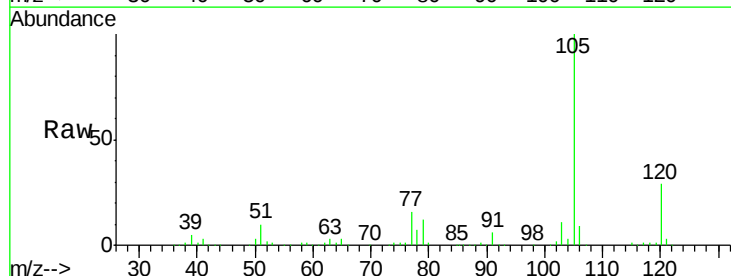
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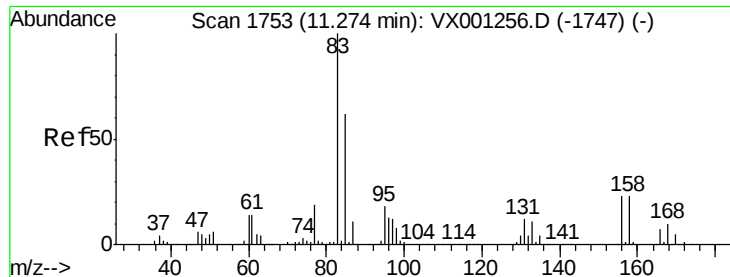
MMDadoda
5/2/2018 11:08:08 AM



#70
Isopropylbenzene
Concen: 9.76 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	18.8	35.0





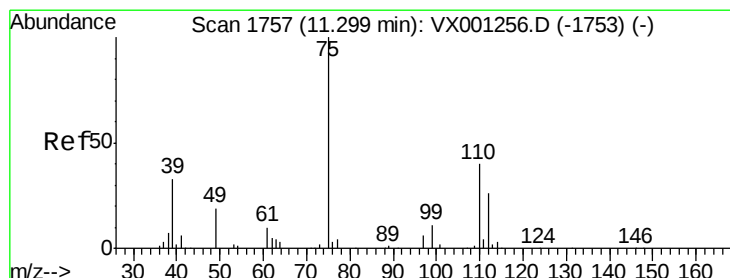
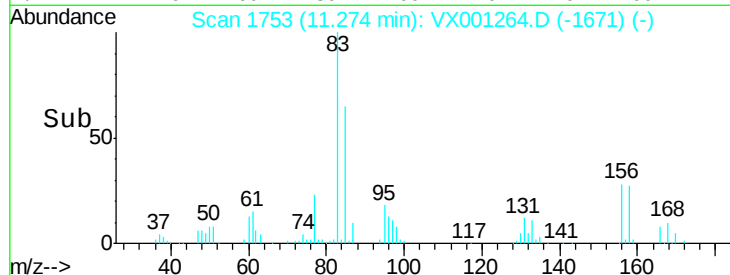
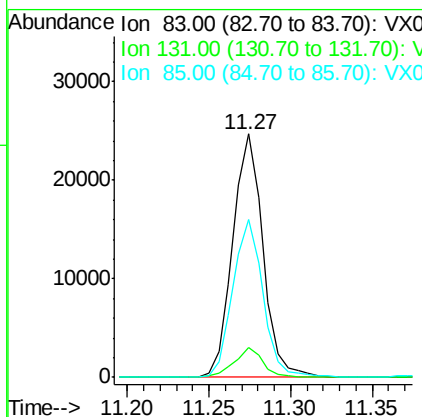
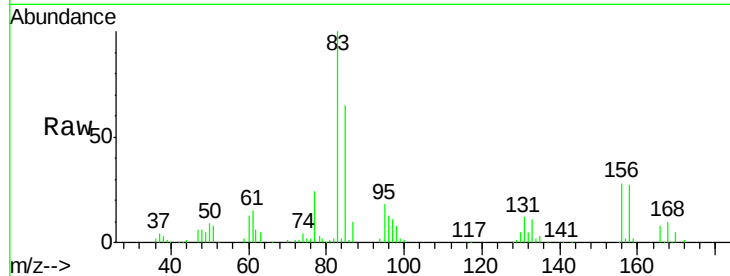
#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.15 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
83	100	31941		
131	11.4	5.3	16.1	
85	64.6	32.5	97.5	

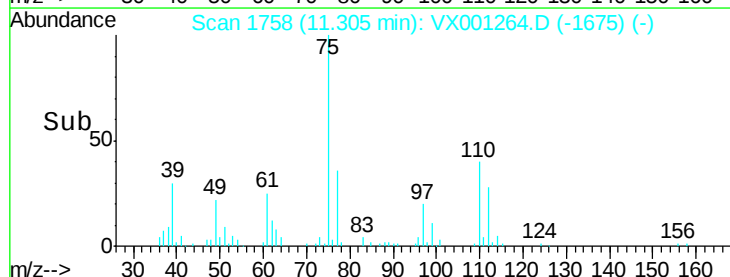
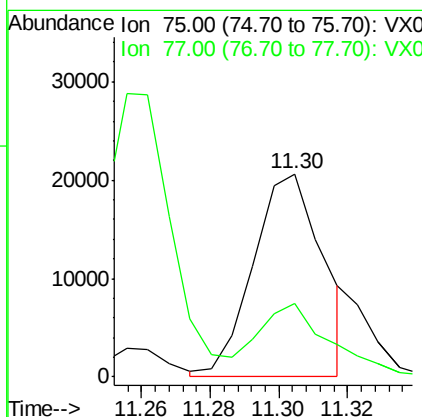
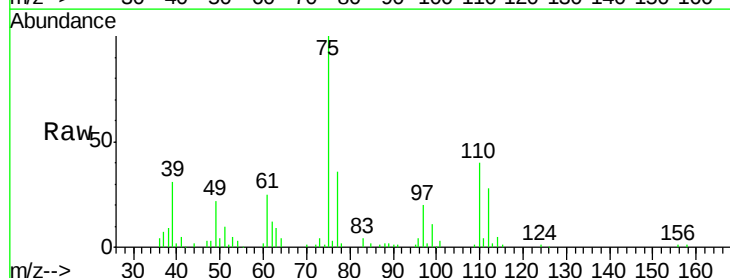
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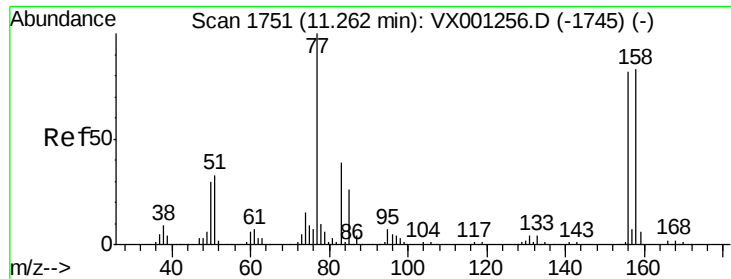
MMDadoda
 5/2/2018 11:08:08 AM



#72
 1,2,3-Trichloropropane
 Concen: 10.33 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29076		
77	37.0	0.0	85.8	





#73

Bromobenzene

Concen: 9.81 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

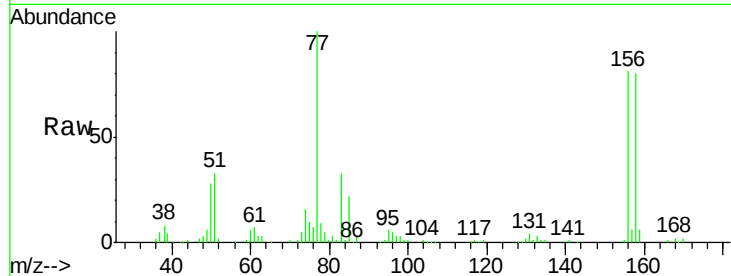
ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

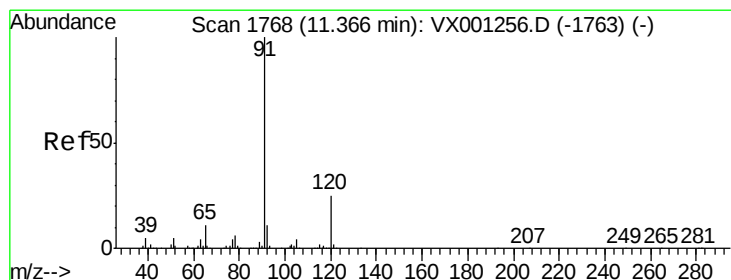
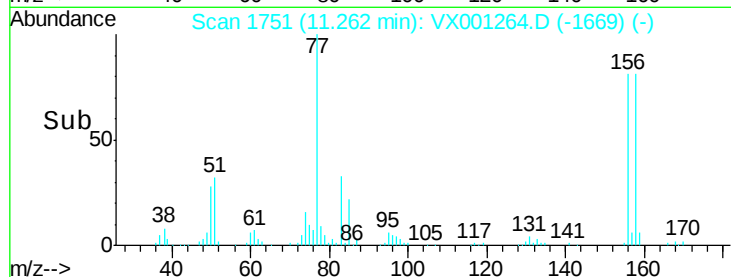
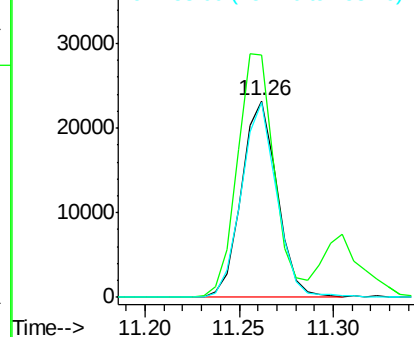
Tot Ion:	156	Resp:	30587
Ion	Ratio	Lower	Upper
156	100		
77	130.0	0.0	280.2
158	97.9	0.0	197.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 9.64 ug/l

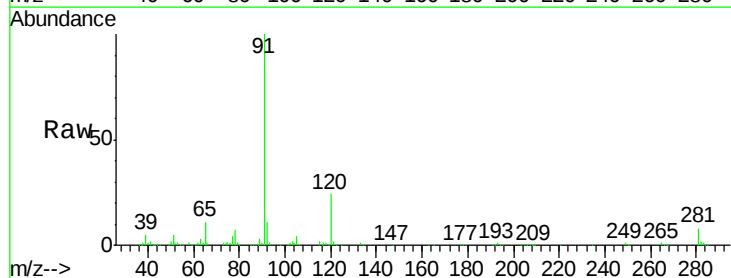
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

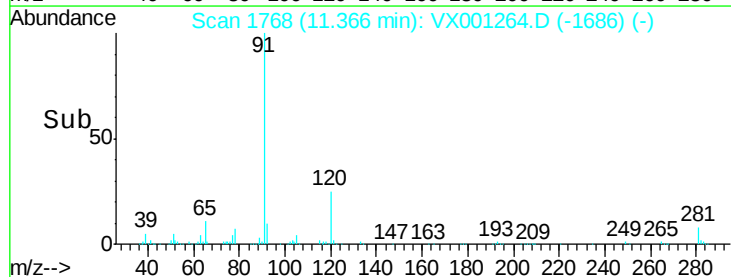
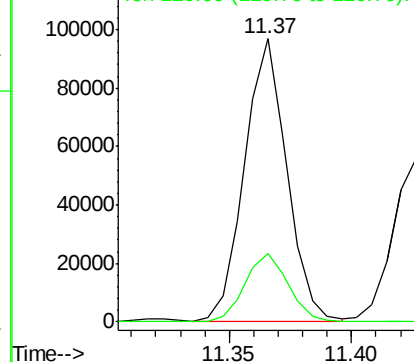
Lab File: VX001264.D

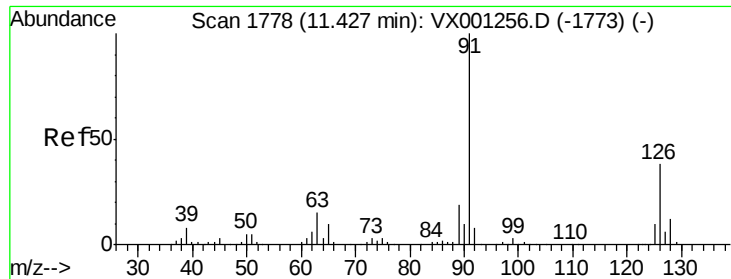
Acq: 30 Apr 2018 20:30

Tgt Ion:	91	Resp:	116789
Ion	Ratio	Lower	Upper
91	100		
120	24.9	0.0	47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 9.76 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001264.D

Acq: 30 Apr 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-04-QT2-2018

Tot Ion: 91 Resp: 71348

Ion Ratio Lower Upper

91 100

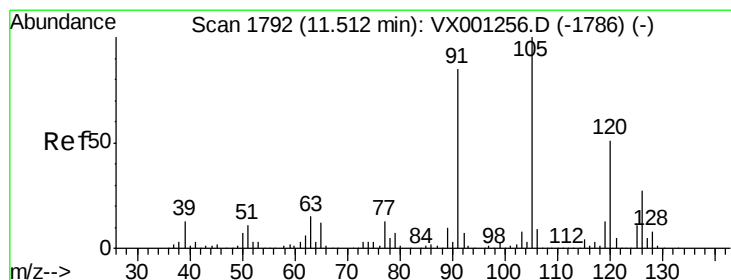
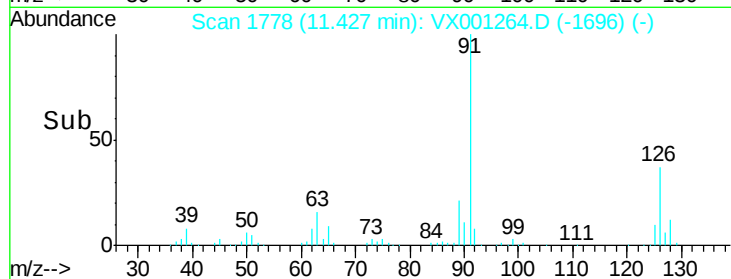
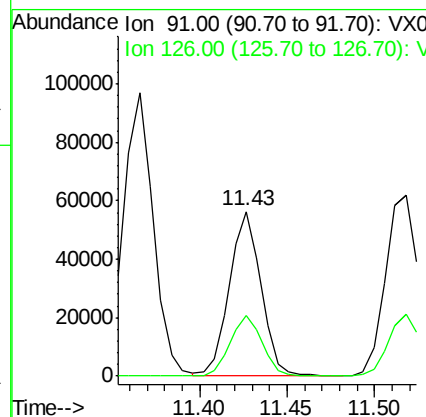
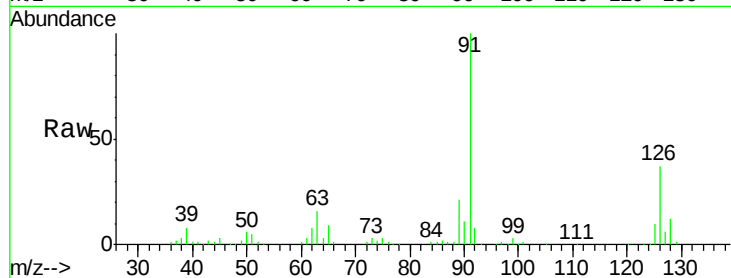
126 36.6 0.0 71.4

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#76

1,3,5-Trimethylbenzene

Concen: 9.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001264.D

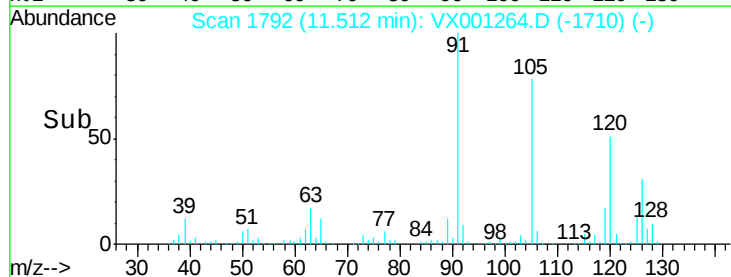
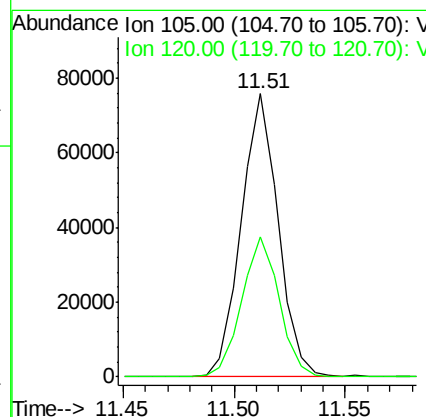
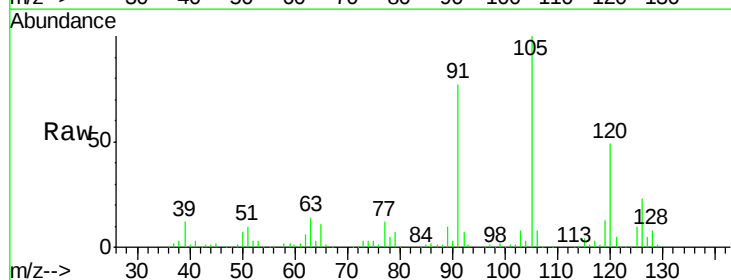
Acq: 30 Apr 2018 20:30

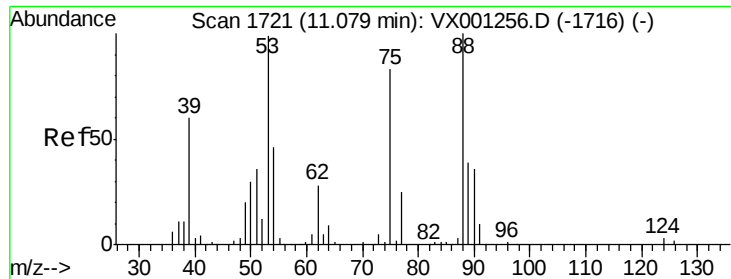
Tgt Ion: 105 Resp: 87823

Ion Ratio Lower Upper

105 100

120 50.3 0.0 63.8





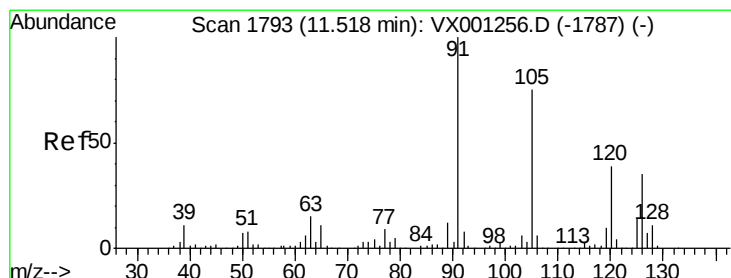
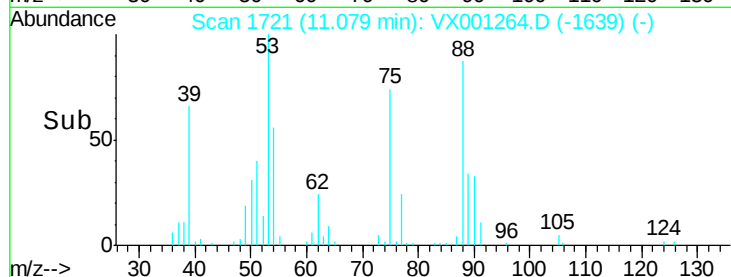
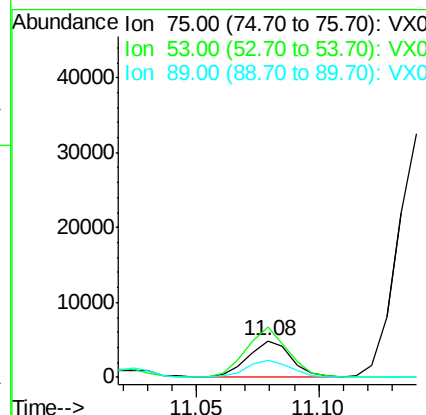
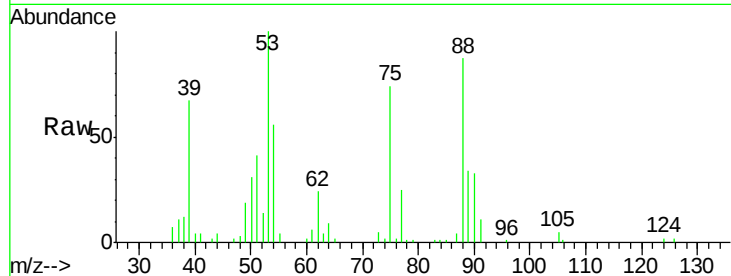
#77
t-1,4-Dichloro-2-butene
Concen: 7.23 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
53	136.0	47.8	143.3
89	46.4	22.3	66.8

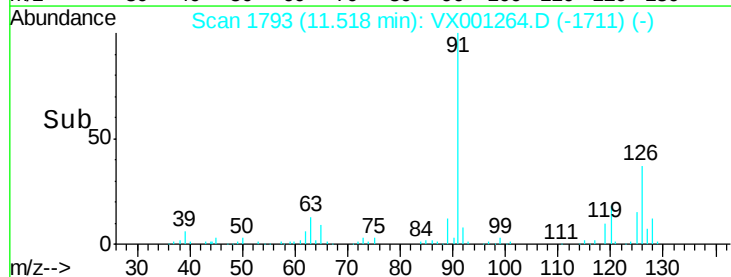
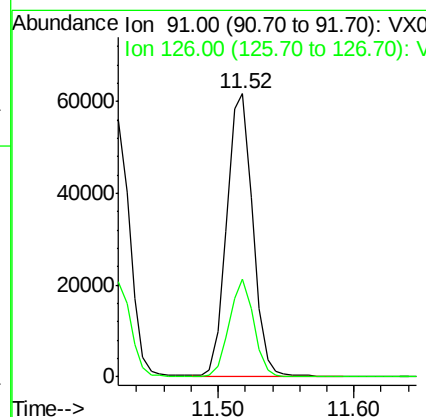
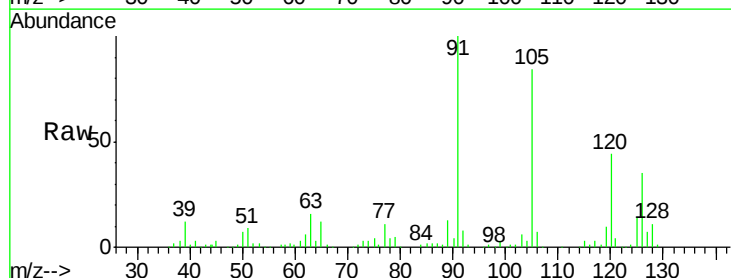
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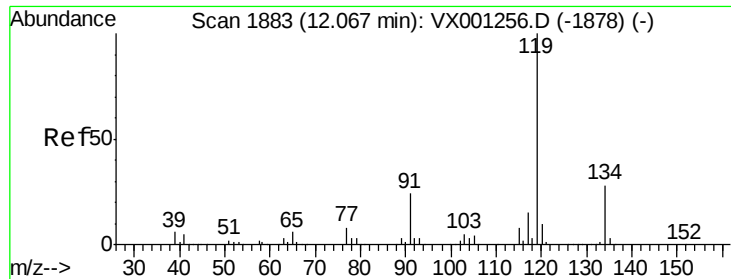
MMDadoda
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#78
4-Chlorotoluene
Concen: 9.43 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	63.4





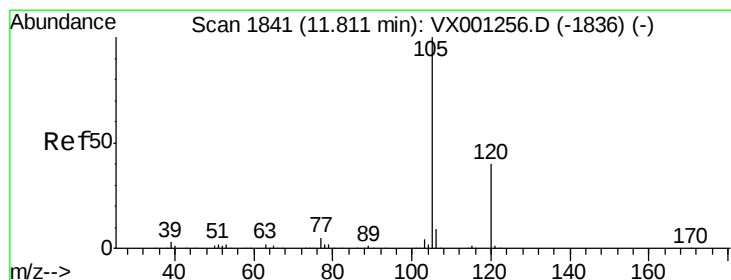
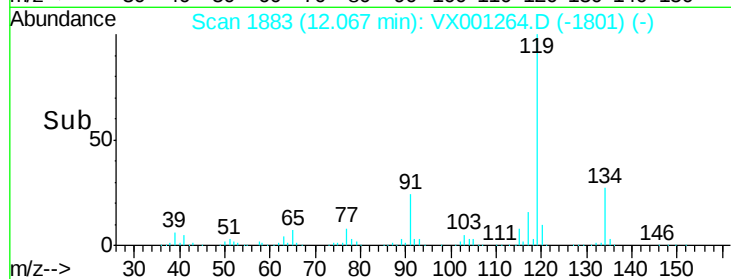
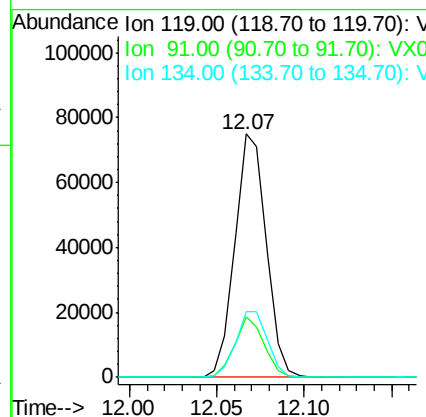
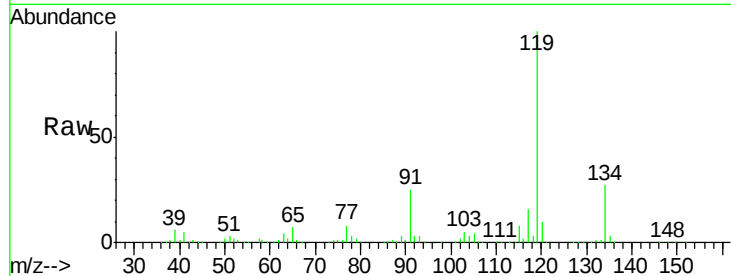
#79
tert-butylbenzene
Concen: 9.58 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	93659		
91	23.4	0.0	51.6	
134	27.5	0.0	60.2	

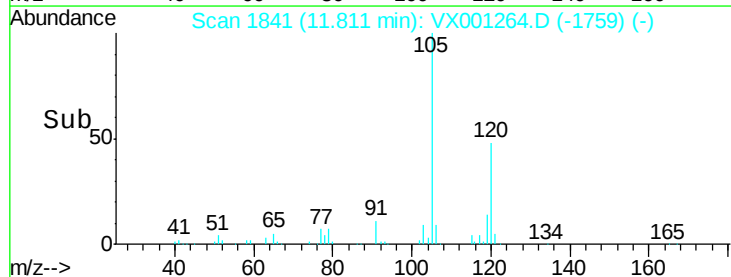
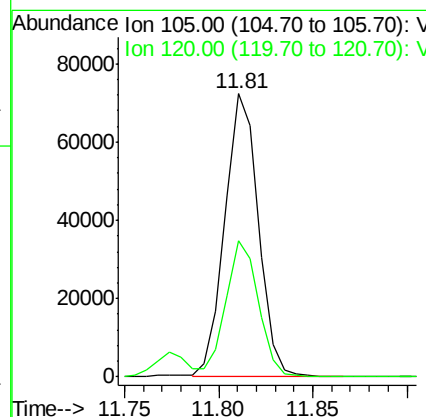
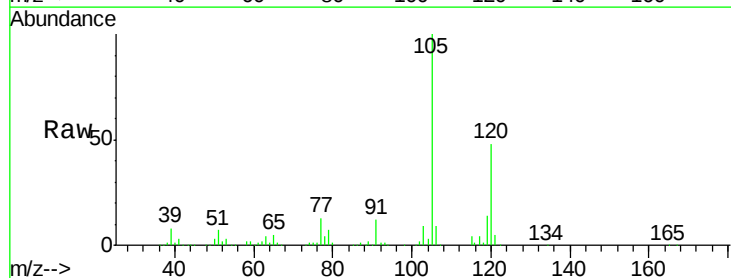
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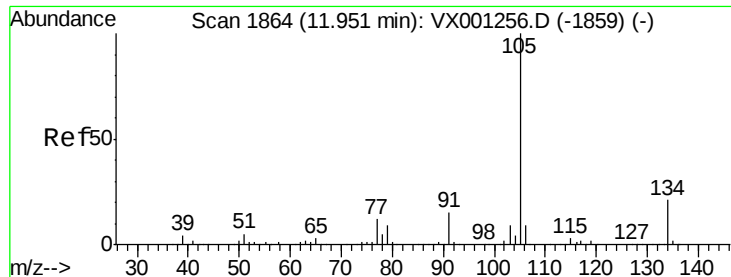
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 9.62 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	89477		
120	46.3	0.0	93.0	





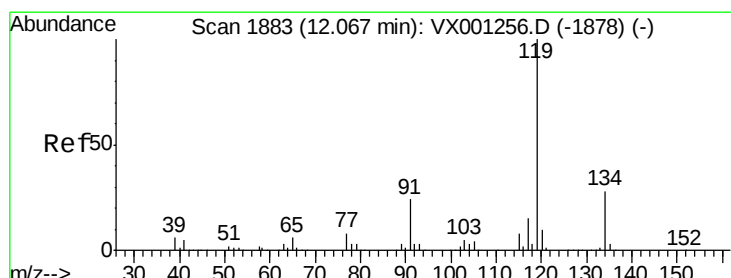
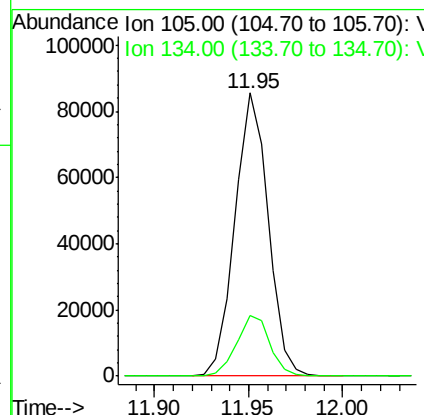
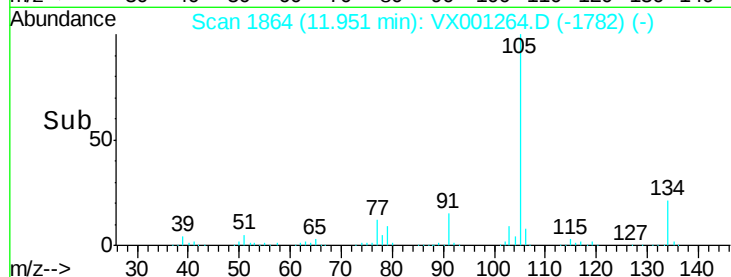
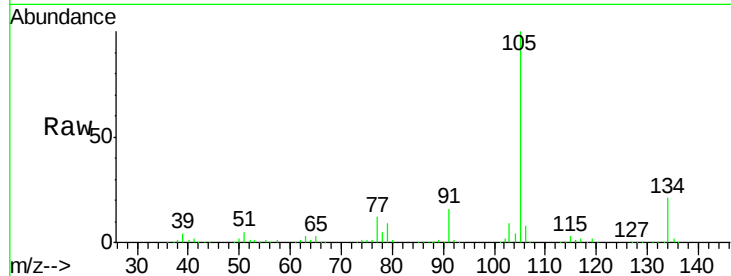
#81
 sec-Butylbenzene
 Concen: 9.89 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	0.0	41.8

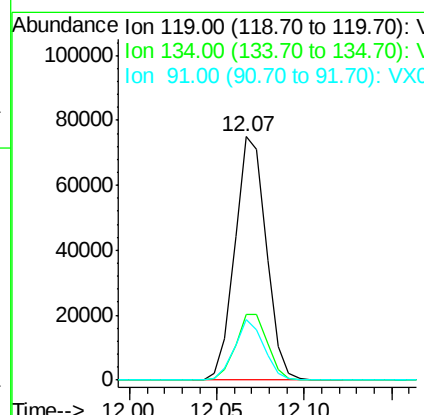
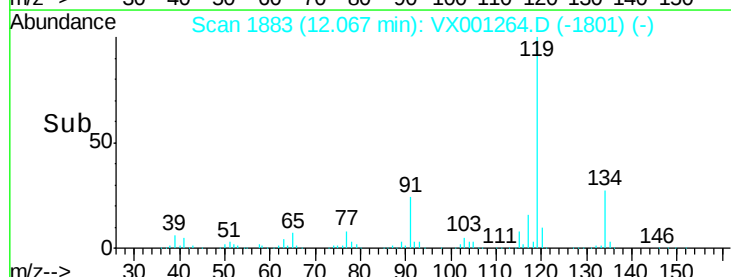
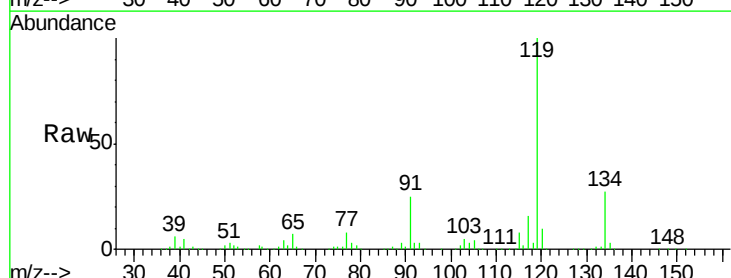
Manual Integrations
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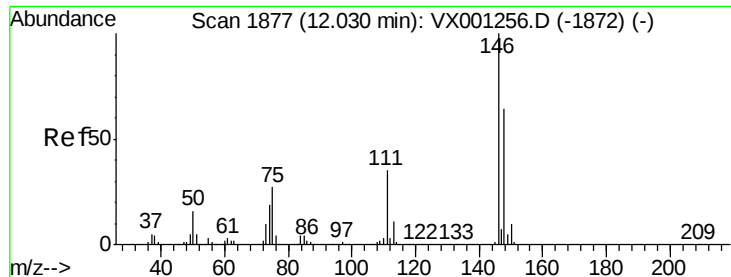
MMDadoda
 5/2/2018 11:08:08 AM



#82
 p-Isopropyltoluene
 Concen: 9.58 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	0.0	54.4
91	23.4	0.0	46.6





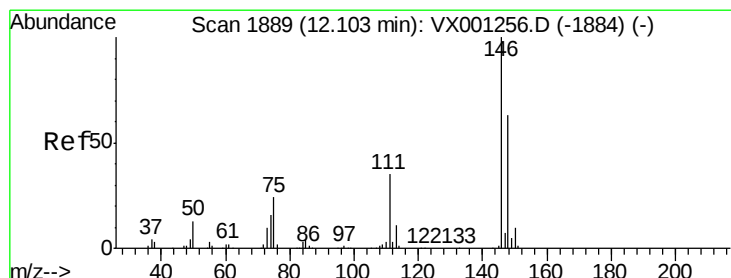
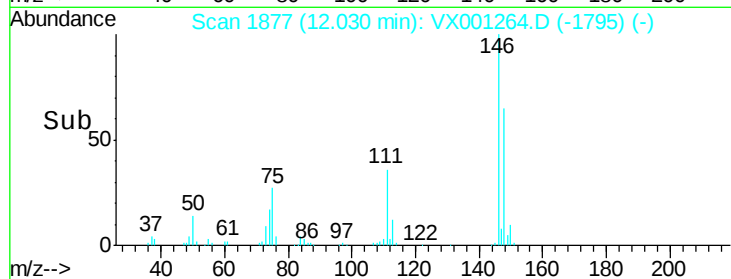
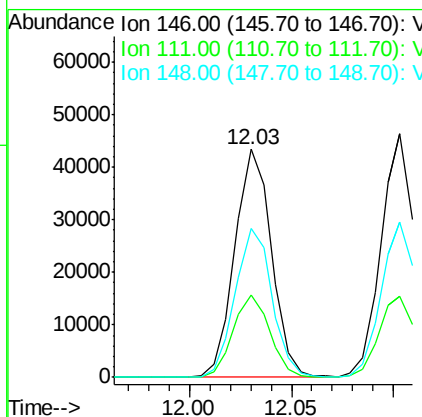
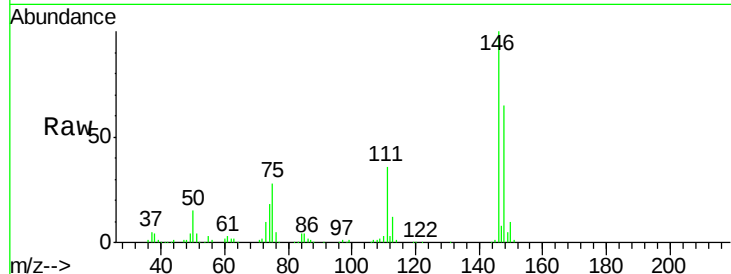
#83
 1,3-Dichlorobenzene
 Concen: 9.56 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	19.4	58.2
148	65.7	32.6	97.7

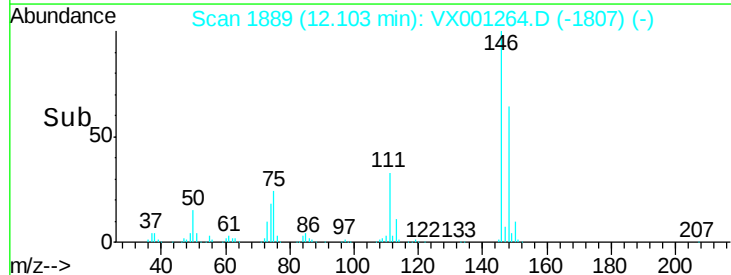
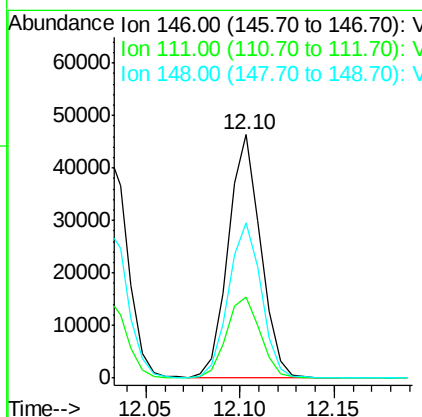
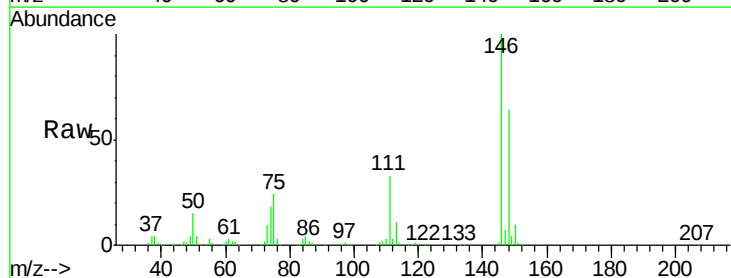
Manual Integrations
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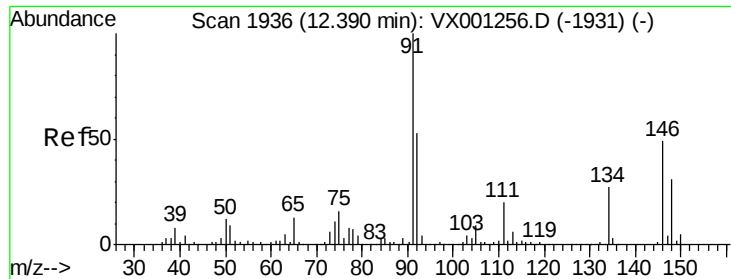
MMDadoda
 5/2/2018 11:08:08 AM



#84
 1,4-Dichlorobenzene
 Concen: 9.55 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	18.4	55.0
148	64.5	31.9	95.7





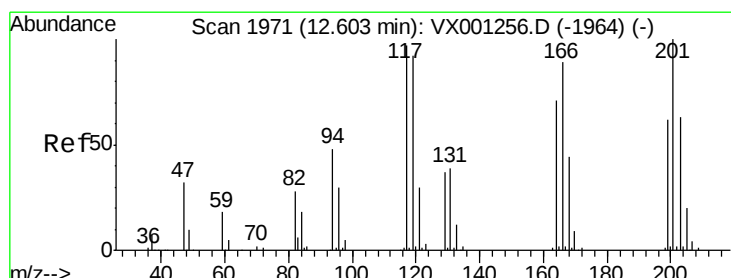
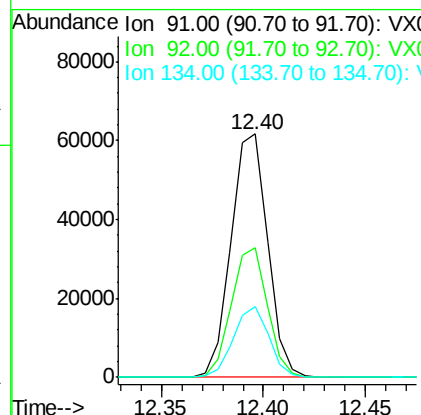
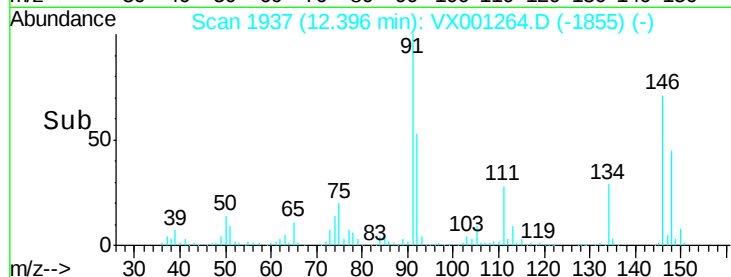
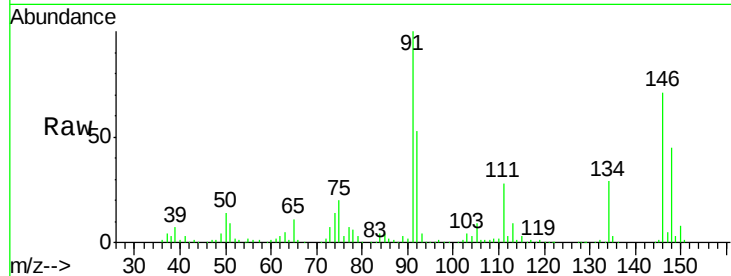
#85
n-Butylbenzene
Concen: 9.03 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
91	100	76386		
92	52.5	0.0	102.0	
134	28.3	0.0	54.2	

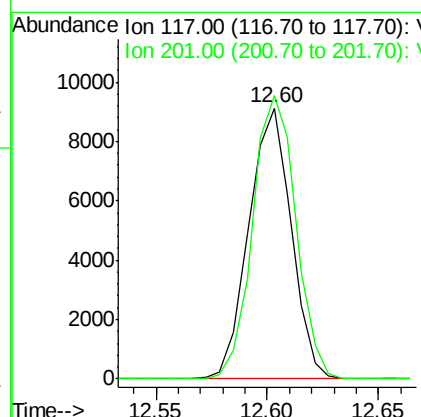
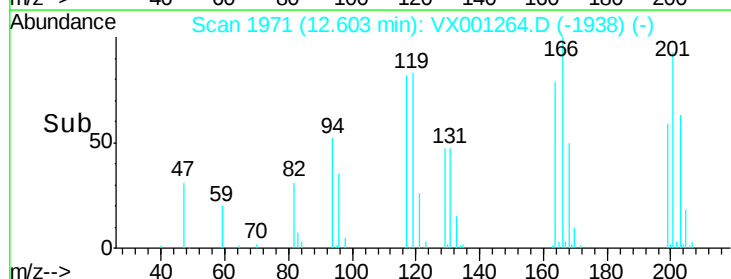
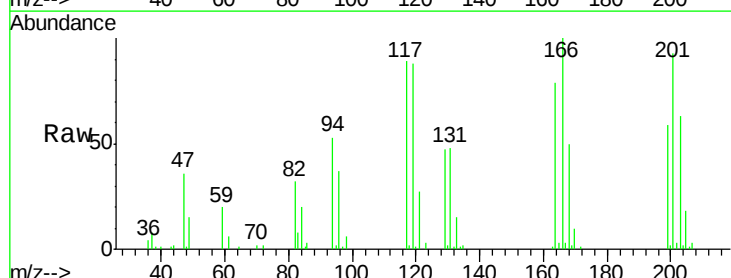
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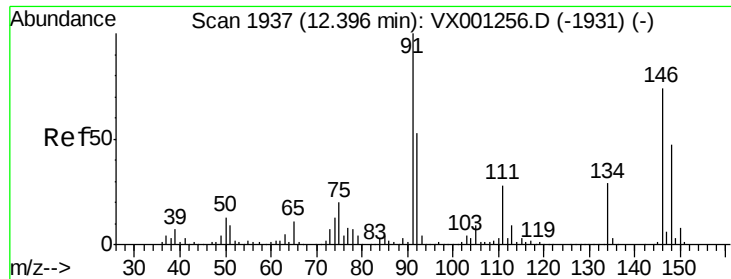
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#86
Hexachloroethane
Concen: 8.11 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12119		
201	106.4	38.9	116.6	





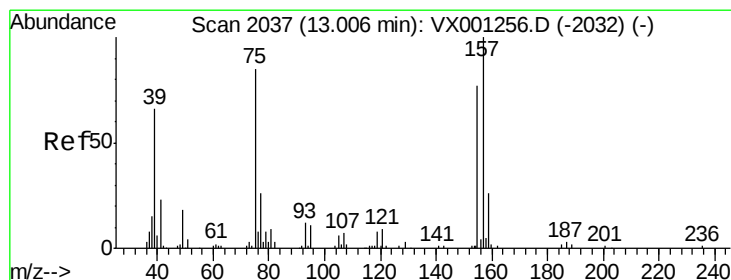
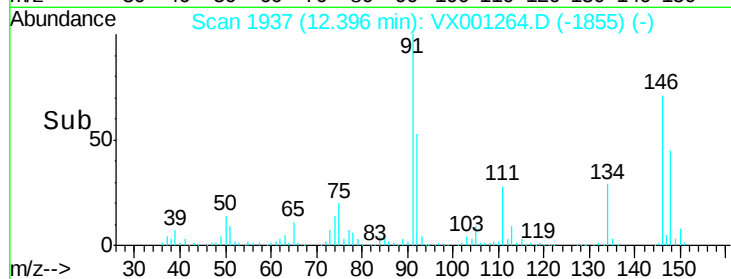
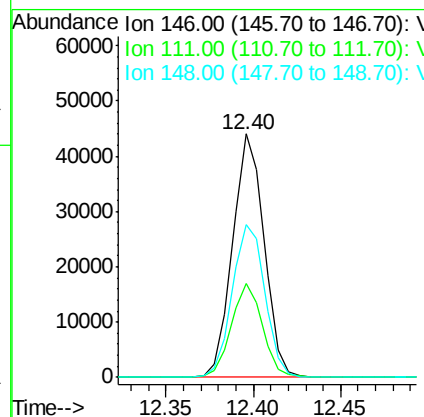
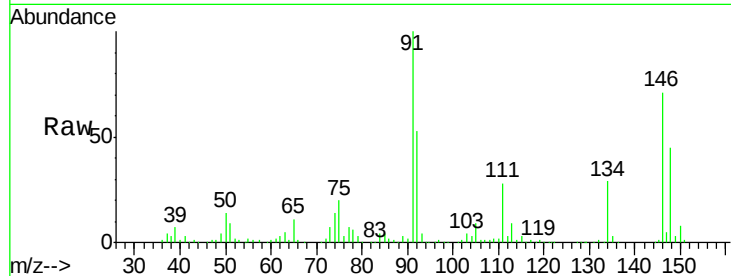
#87
 1,2-Dichlorobenzene
 Concen: 9.76 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.0	60.0
148	65.0	31.6	95.0

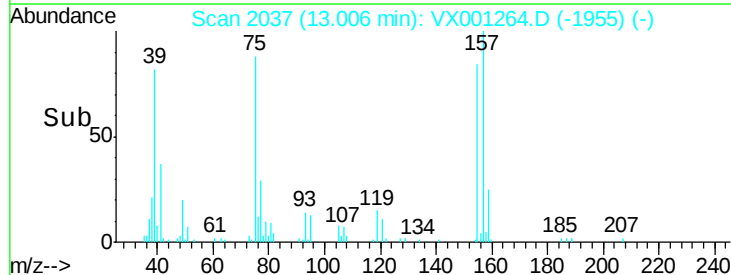
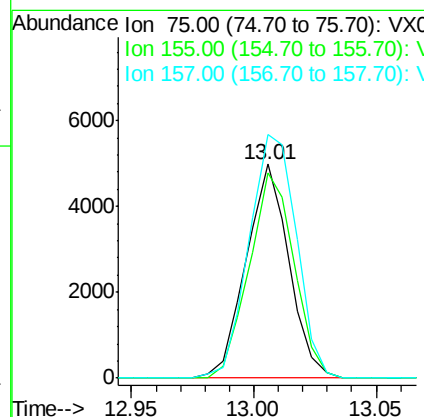
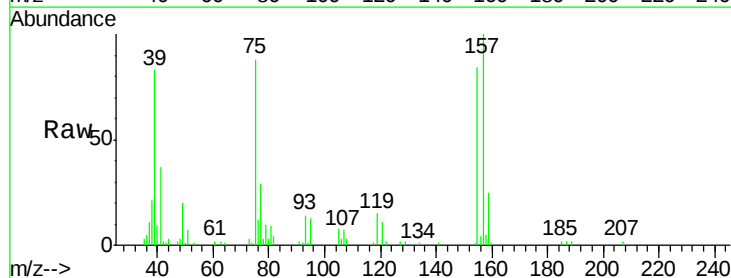
Manual Integrations
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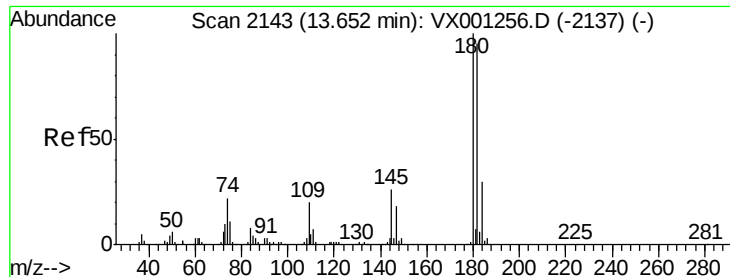
MMDadoda
 5/2/2018 11:08:08 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 9.24 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	75.1	112.7
157	126.3	99.0	148.4





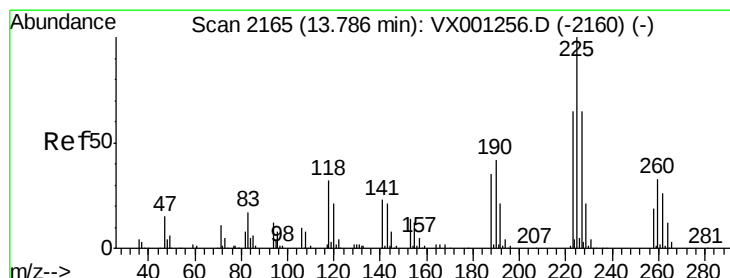
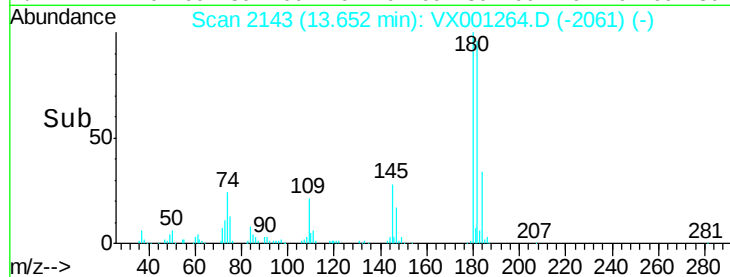
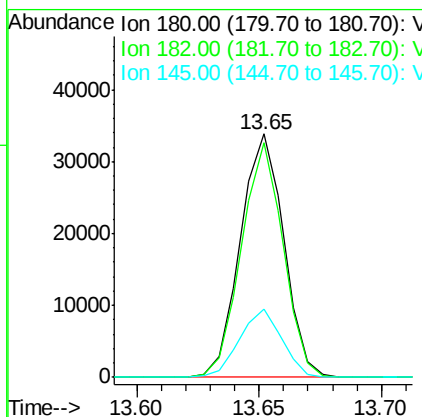
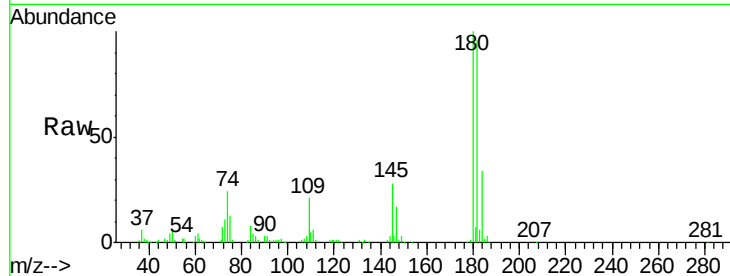
#89
 1,2,4-Trichlorobenzene
 Concen: 9.77 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.3	114.5
145	27.5	24.6	37.0

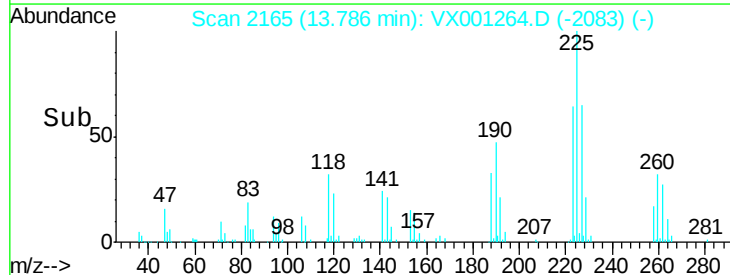
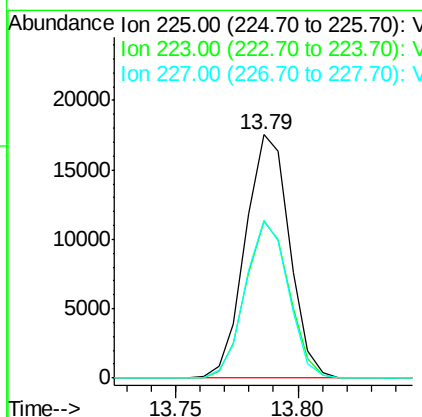
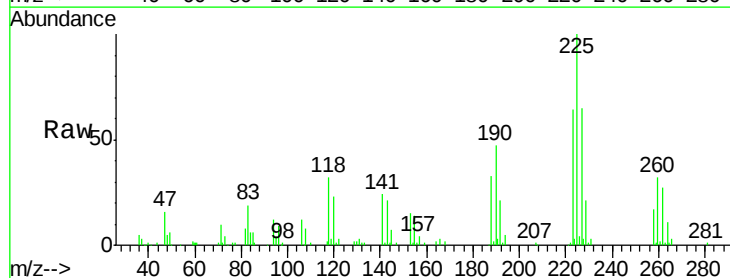
Manual Integrations
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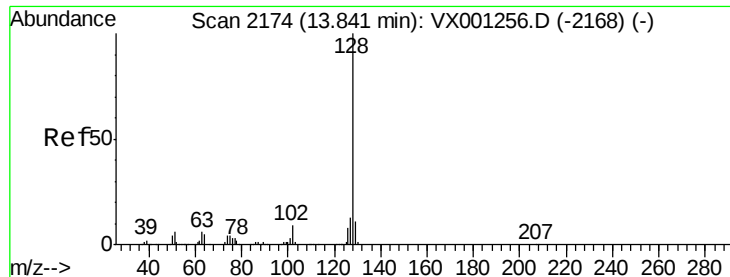
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 11.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001264.D
 Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	131.2
227	62.7	0.0	127.6





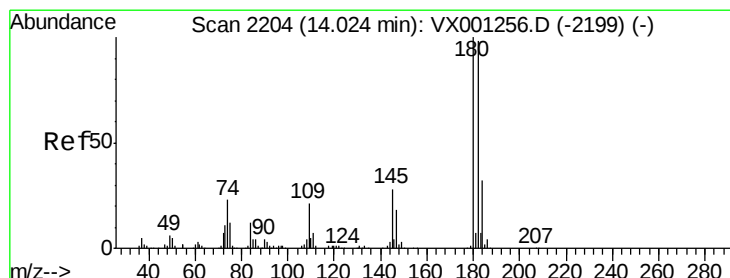
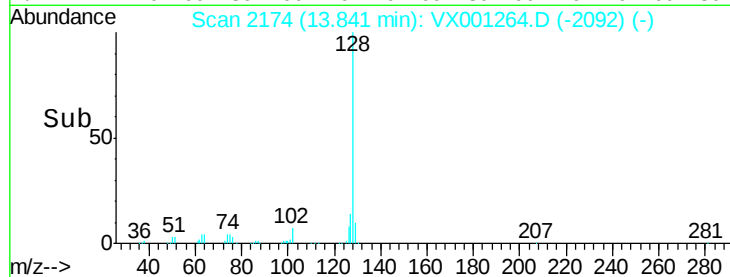
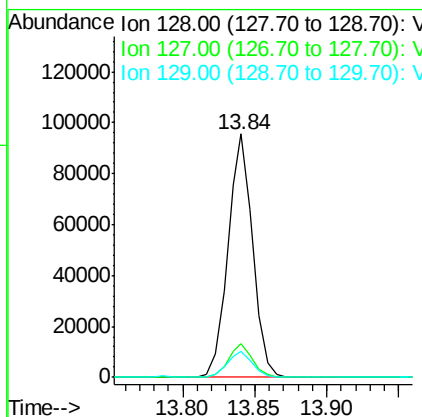
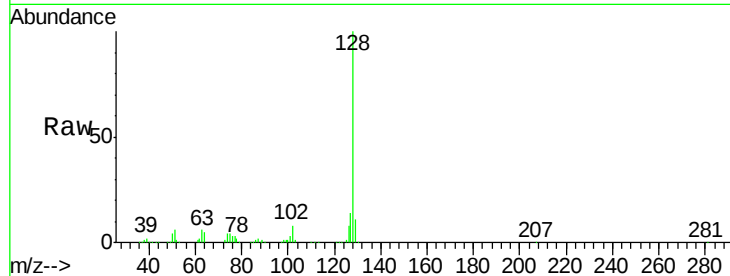
#91
Naphthalene
Concen: 10.36 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-04-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
128	100	115105		
127	13.5	10.5	15.7	
129	11.0	9.0	13.6	

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 10.22 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001264.D
Acq: 30 Apr 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43183		
182	94.8	0.0	188.6	
145	28.7	0.0	65.8	

