

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001262.D
 Acq On : 30 Apr 2018 19:14
 Operator : JC/MD
 Sample : J2133-07 LOD-MDL 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 11:08:07 AM

Quant Time: May 01 09:23:19 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	32552	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	185326	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	167373	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	72799	31.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.33%
60) 4-Bromofluorobenzene	11.14	95	77958	27.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.67%
63) Toluene-d8	8.72	98	220448	30.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	4302	2.02	ug/l	98
3) Chloromethane	1.32	50	5206	2.61	ug/l	98
4) Vinyl Chloride	1.40	62	5430	2.60	ug/l	95
5) Bromomethane	1.65	94	4987	3.16	ug/l	89
6) Chloroethane	1.73	64	3607	2.82	ug/l	97
7) Trichlorofluoromethane	1.93	101	9183	2.65	ug/l	95
8) Diethyl Ether	2.20	74	3529	2.93	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5626	2.86	ug/l	93
10) 1,1-Dichloroethene	2.38	96	5185	2.91	ug/l	96
11) Methyl Iodide	2.52	142	4313	1.99	ug/l	89
12) Methyl Acetate	2.79	43	6928	2.96	ug/l	94
13) Acrolein	2.30	56	4619	16.52	ug/l	92
14) Acrylonitrile	3.15	53	14466	15.50	ug/l	98
15) Acetone	2.45	58	4676	16.11	ug/l	99
16) Carbon Disulfide	2.57	76	11895	2.51	ug/l	96
17) Allyl chloride	2.73	41	8604	2.72	ug/l	99
18) Methylene Chloride	2.86	84	5823	3.00	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	5506	2.86	ug/l	89
20) Diisopropyl ether	3.87	45	16237	2.61	ug/l	97
21) 1,1-Dichloroethane	3.71	63	9520	2.84	ug/l	96
22) cis-1,2-Dichloroethene	4.60	96	5879	2.74	ug/l	98
23) tert-Butyl Alcohol	3.07	59	7217	18.93	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	17482	2.86	ug/l	93
25) Chloroform	5.23	83	9845	2.70	ug/l	95
26) Cyclohexane	5.59	56	8243	2.71	ug/l #	89
29) 1,1-Dichloropropene	5.81	75	6986	2.54	ug/l	90
30) 2-Butanone	4.71	43	20254	14.40	ug/l	99
31) 2,2-Dichloropropane	4.59	77	6975	2.33	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	8300	2.50	ug/l	97
33) Carbon Tetrachloride	5.79	117	6657	2.22	ug/l	94
34) Benzene	6.15	78	22079	2.71	ug/l #	88
35) Methacrylonitrile	5.07	41	4732	3.03	ug/l	96
36) 1,2-Dichloroethane	6.21	62	8671	2.78	ug/l #	94
37) Trichloroethene	7.22	130	6531	2.65	ug/l	98
38) Methylcyclohexane	7.46	83	8143	2.52	ug/l	95
39) 1,2-Dichloropropane	7.52	63	5207	2.52	ug/l	96
40) Dibromomethane	7.66	93	3698	2.55	ug/l	86

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

41) Bromodichloromethane	7.91	83	6146	2.24	ug/l #	90
42) Vinyl Acetate	3.83	43	65393	11.82	ug/l	98
43) Ethyl Acetate	4.87	43	8101m	2.99	ug/l	
44) Isopropyl Acetate	6.47	43	11614	2.52	ug/l	99
45) 1,4-Dioxane	7.77	88	2476	59.08	ug/l	87
46) Methyl methacrylate	7.78	41	6082	2.54	ug/l	86
47) n-amyl Acetate	10.90	43	9126	2.06	ug/l	97
48) t-1,3-Dichloropropene	8.45	75	6312	1.96	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	5619	1.82	ug/l #	89
50) 1,1,2-Trichloroethane	9.22	97	5416	2.51	ug/l	98
51) Ethyl methacrylate	9.19	69	6911	2.25	ug/l	91
52) 1,3-Dichloropropane	9.38	76	9130	2.62	ug/l	99
53) Dibromochloromethane	9.59	129	4538	1.91	ug/l	91
54) 1,2-Dibromoethane	9.68	107	5541	2.40	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	16294	10.83	ug/l	98
56) Bromoform	10.86	173	3451	1.77	ug/l #	95
58) 4-Methyl-2-Pentanone	8.66	43	37040	13.33	ug/l	98
59) 2-Hexanone	9.51	43	28409	13.13	ug/l	97
61) Tetrachloroethene	9.34	164	7240	2.82	ug/l	92
62) Toluene	8.79	91	23924	2.66	ug/l	100
64) Chlorobenzene	10.15	112	15883	2.62	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.23	131	4877	2.20	ug/l	95
66) Ethyl Benzene	10.26	91	25263	2.52	ug/l	97
67) m/p-Xylenes	10.37	106	19702	4.94	ug/l	96
68) o-Xylene	10.71	106	9220	2.39	ug/l	94
69) Styrene	10.72	104	14731	2.30	ug/l	98
70) Isopropylbenzene	11.02	105	25491	2.44	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	7723	2.52	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	7341m	2.67	ug/l	
73) Bromobenzene	11.26	156	7405	2.43	ug/l	96
74) n-propylbenzene	11.37	91	26891	2.27	ug/l	97
75) 2-Chlorotoluene	11.43	91	17327	2.43	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	20733	2.32	ug/l	68
77) t-1,4-Dichloro-2-butene	11.08	75	1240	1.52	ug/l #	52
78) 4-Chlorotoluene	11.52	91	19709	2.32	ug/l	96
79) tert-butylbenzene	12.07	119	21566	2.26	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	21024	2.32	ug/l	98
81) sec-Butylbenzene	11.95	105	24051	2.32	ug/l	98
82) p-Isopropyltoluene	12.07	119	21566	2.26	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	13062	2.35	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	13775	2.44	ug/l	96
85) n-Butylbenzene	12.40	91	17820	2.16	ug/l	98
86) Hexachloroethane	12.60	117	2814	1.93	ug/l	77
87) 1,2-Dichlorobenzene	12.40	146	14015	2.54	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.01	75	1429	2.23	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	9527	2.28	ug/l	98
90) Hexachlorobutadiene	13.79	225	5243	2.70	ug/l	98
91) Naphthalene	13.84	128	25106	2.32	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	9895	2.40	ug/l	99

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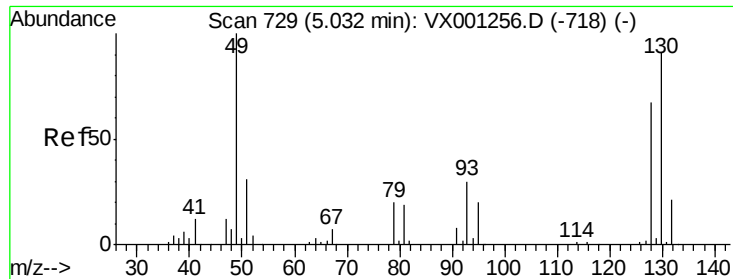
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

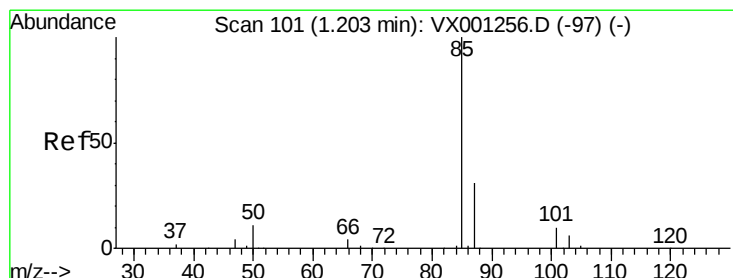
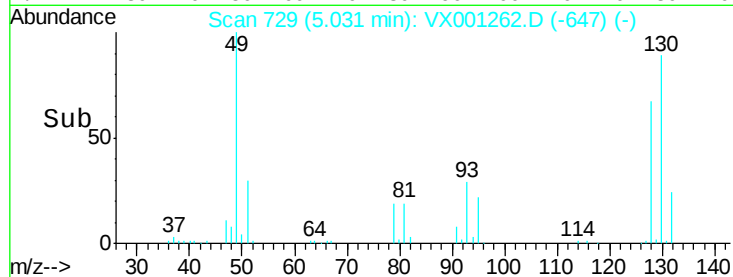
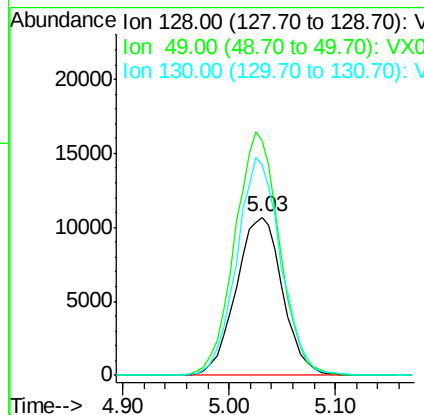
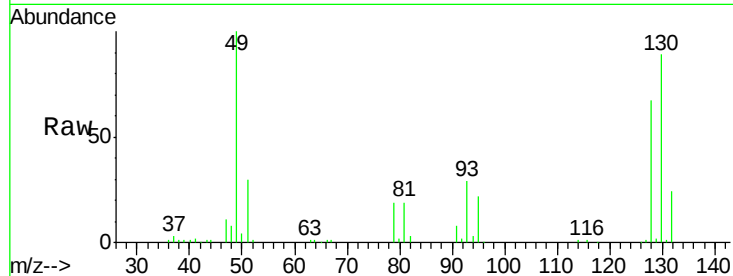
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	128	Resp:	32552
Ion	Ratio	Lower	Upper
128	100		
49	148.6	0.0	378.3
130	131.1	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 2.02 ug/l

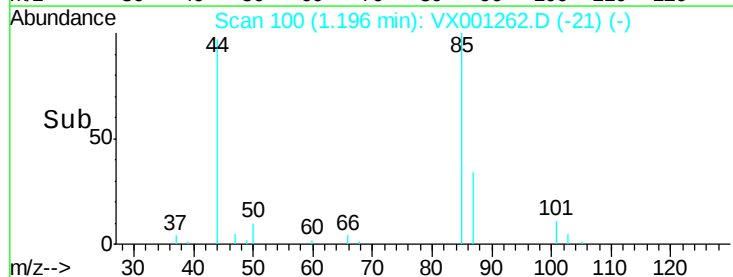
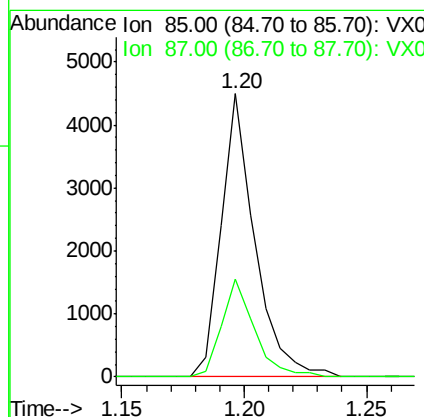
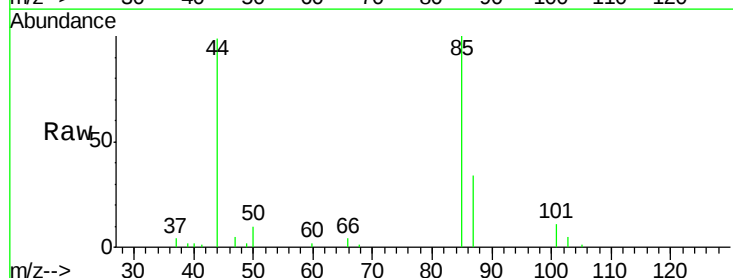
RT: 1.20 min Scan# 100

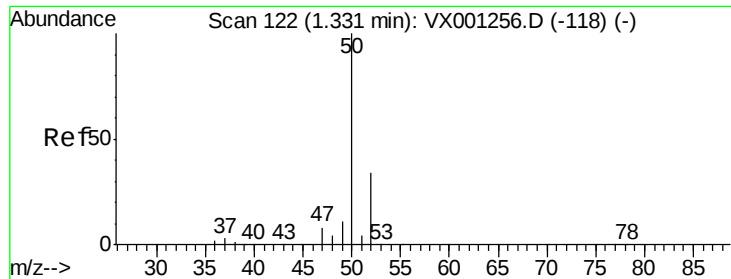
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	85	Resp:	4302
Ion	Ratio	Lower	Upper
85	100		
87	34.5	16.6	49.7





#3

Chloromethane

Concen: 2.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 50 Resp: 5206

Ion Ratio Lower Upper

50 100

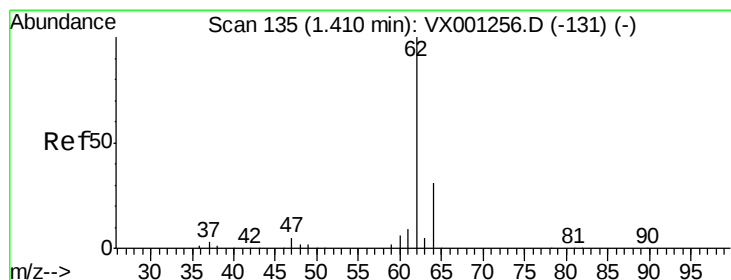
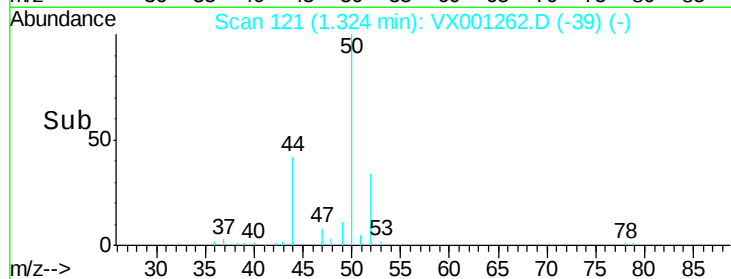
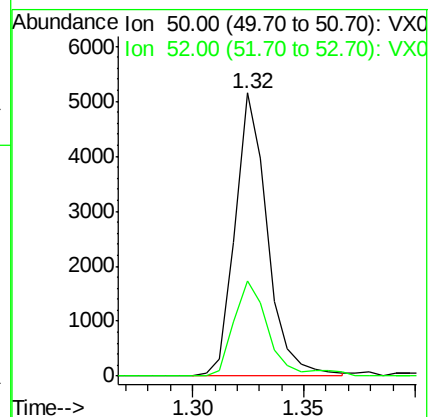
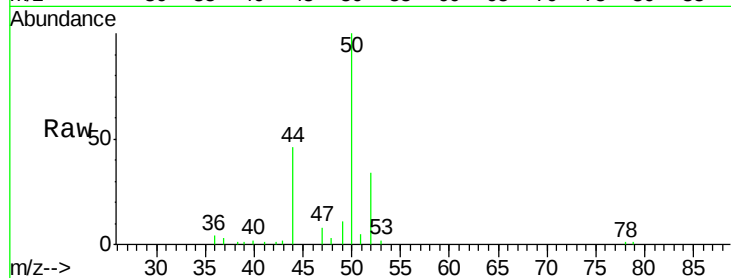
52 33.7 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.60 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001262.D

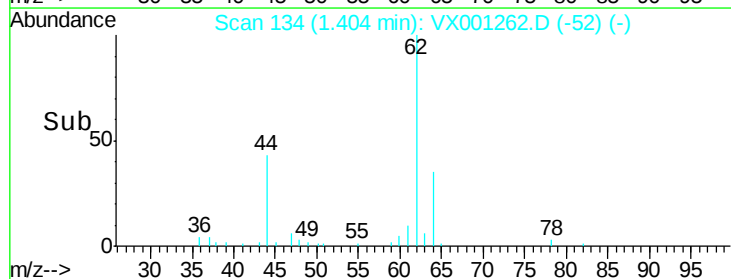
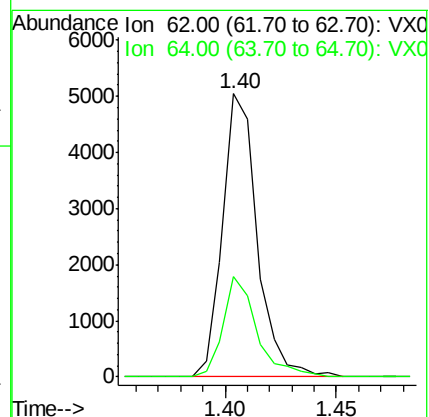
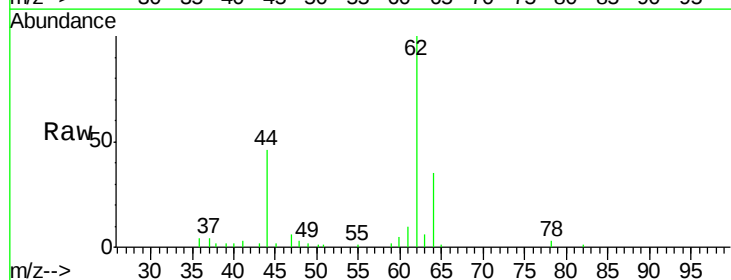
Acq: 30 Apr 2018 19:14

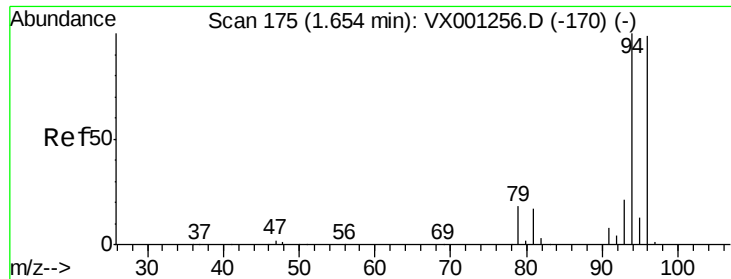
Tgt Ion: 62 Resp: 5430

Ion Ratio Lower Upper

62 100

64 35.3 26.0 39.0





#5

Bromomethane

Concen: 3.16 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 94 Resp: 4987

Ion Ratio Lower Upper

94 100

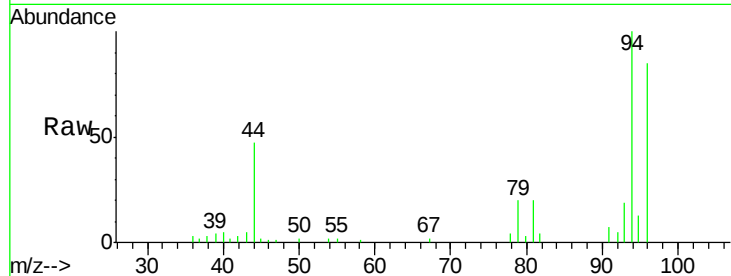
96 84.7 76.2 114.2

Manual Integrations

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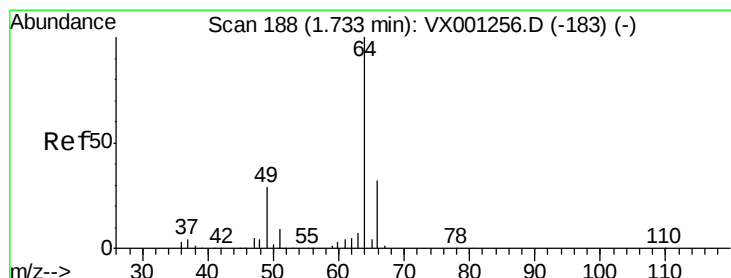
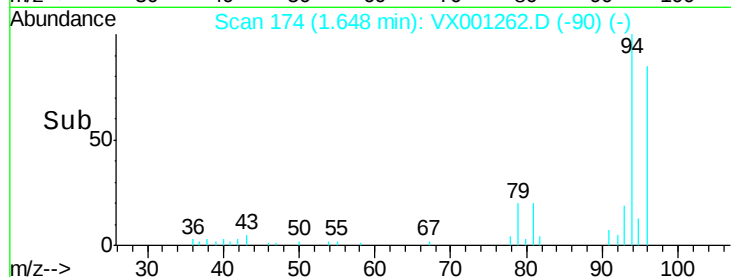
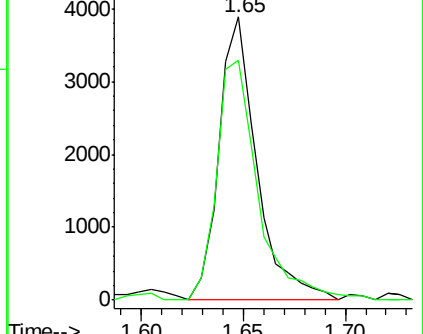
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 2.82 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001262.D

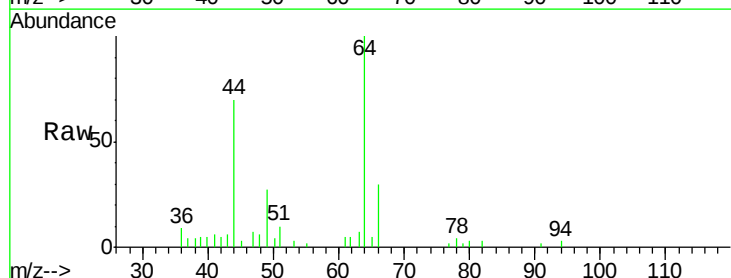
Acq: 30 Apr 2018 19:14

Tgt Ion: 64 Resp: 3607

Ion Ratio Lower Upper

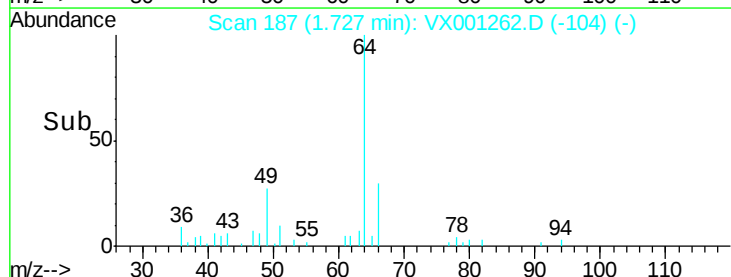
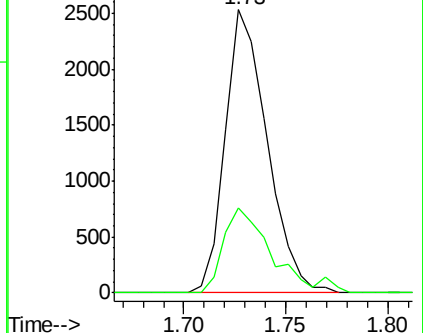
64 100

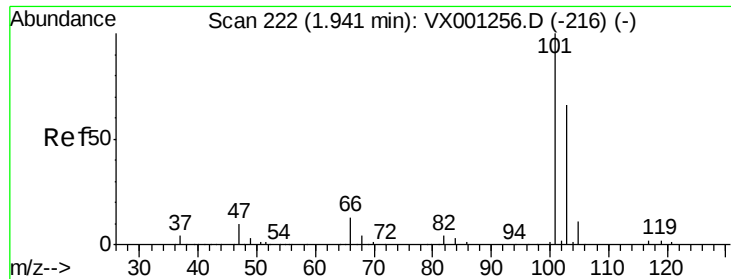
66 29.8 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

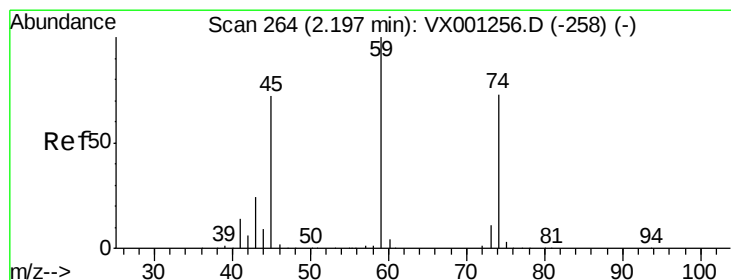
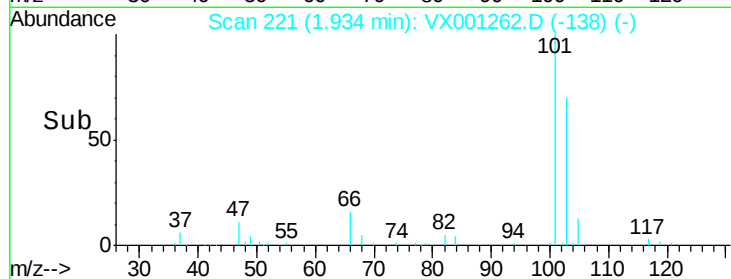
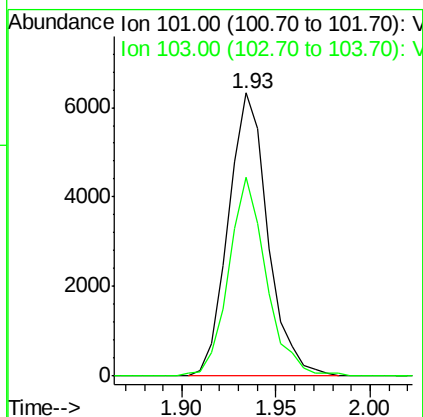
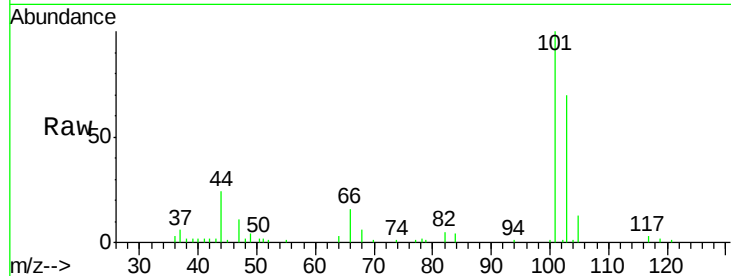
Trichlorofluoromethane
Concen: 2.65 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
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LOD-MDL-WATER-01-QT2-2018

Tot Ion:101 Resp: 9183
Ion Ratio Lower Upper
101 100
103 69.4 52.2 78.4

Manual Integrations
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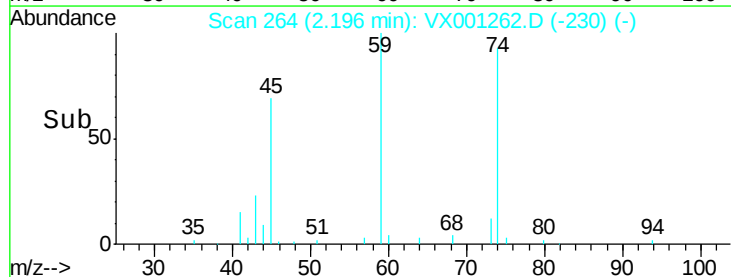
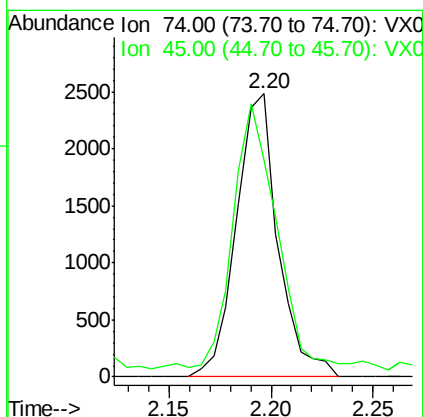
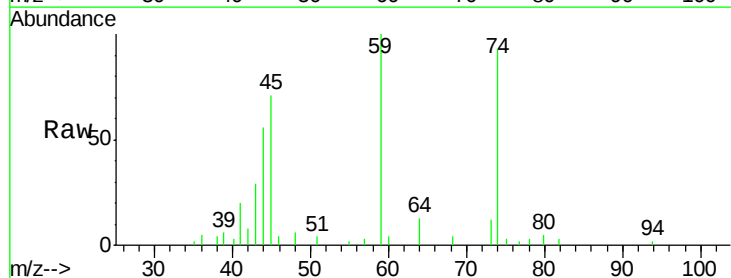
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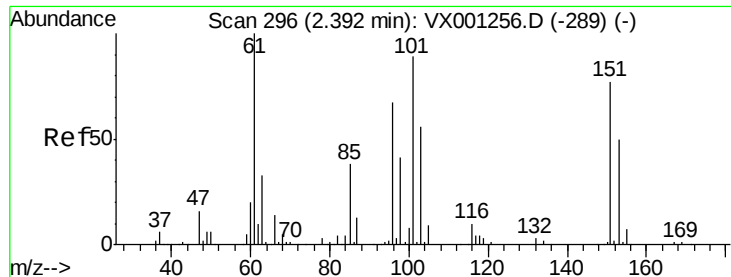


#8

Diethyl Ether
Concen: 2.93 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion: 74 Resp: 3529
Ion Ratio Lower Upper
74 100
45 101.8 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.86 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

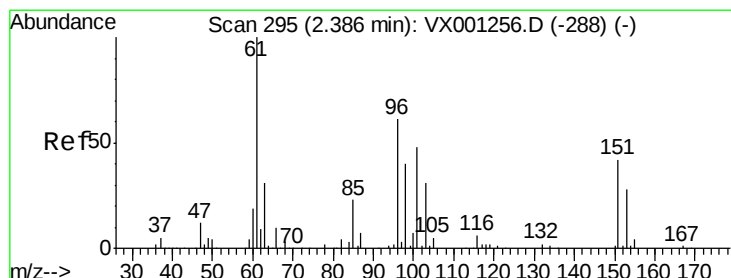
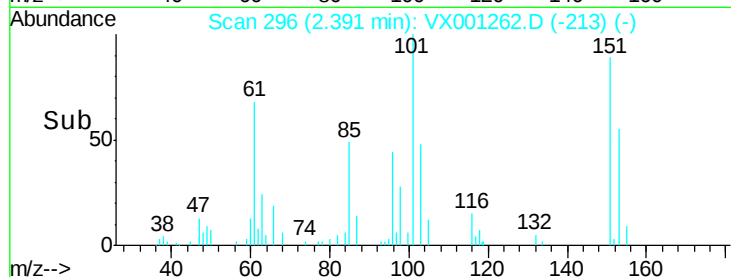
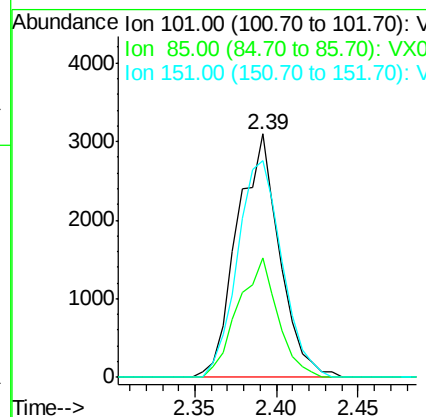
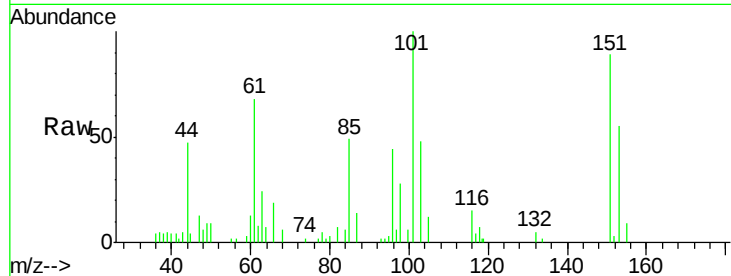
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	101	Resp:	5626
Ion Ratio	Lower	Upper	
101	100		
85	46.1	0.0	90.4
151	93.2	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 2.91 ug/l

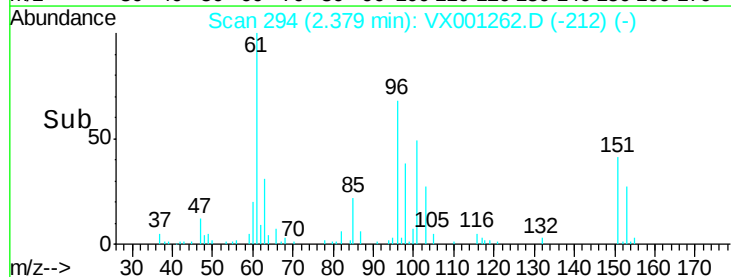
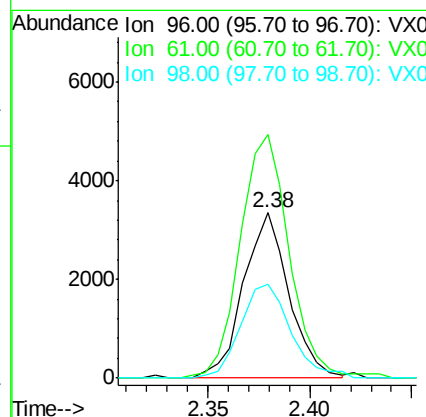
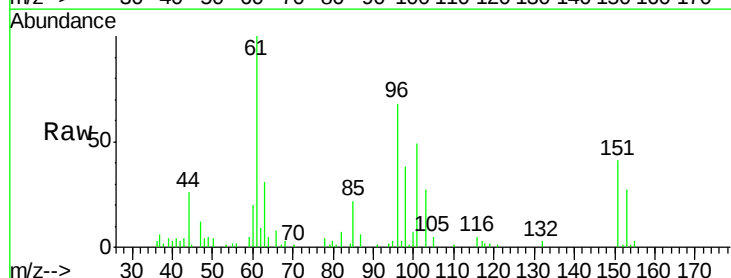
RT: 2.38 min Scan# 294

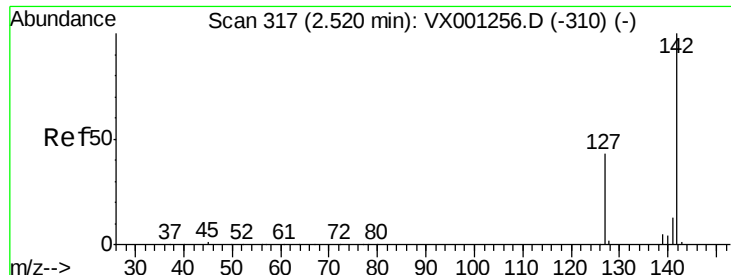
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	96	Resp:	5185
Ion Ratio	Lower	Upper	
96	100		
61	145.7	118.6	178.0
98	56.6	51.0	76.6





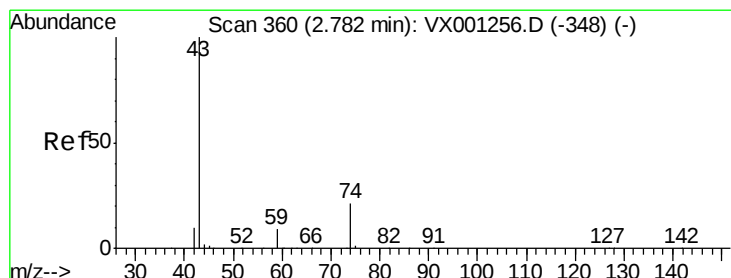
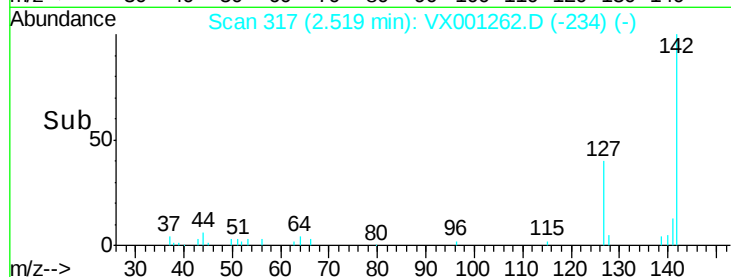
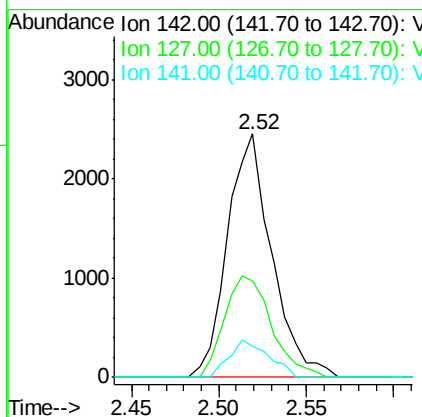
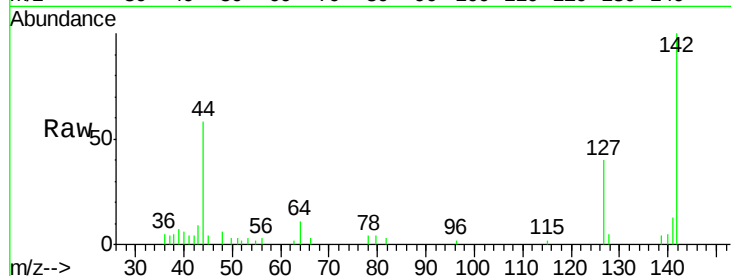
#11
Methvl Iodide
Concen: 1.99 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	23.8	71.5
141	12.7	8.2	24.4

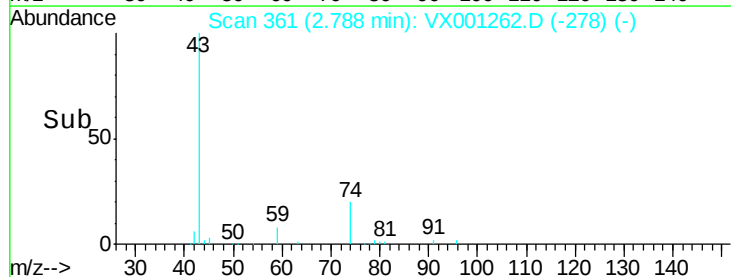
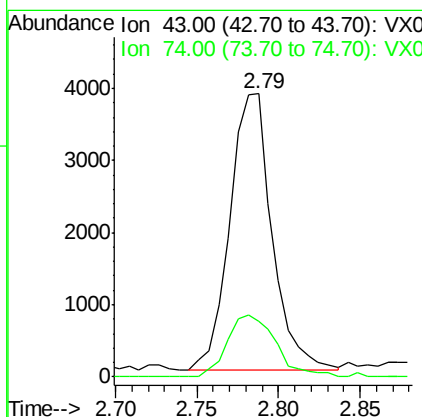
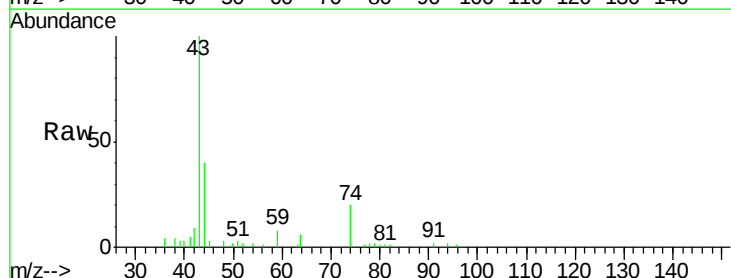
Manual Integrations
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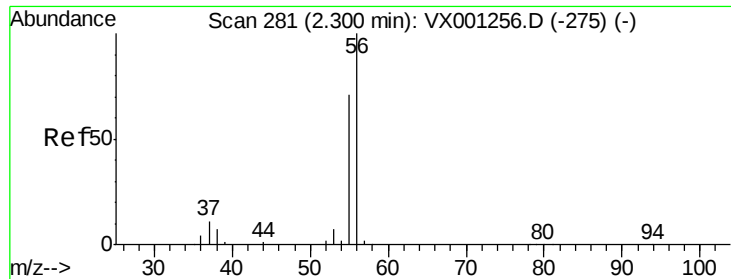
MMDadoda
5/2/2018 11:08:07 AM



#12
Methyl Acetate
Concen: 2.96 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	18.6	27.8





#13

Acrolein

Concen: 16.52 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 56 Resp: 4619

Ion Ratio Lower Upper

56 100

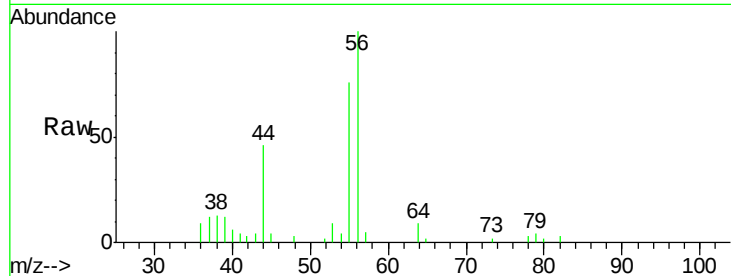
55 78.3 57.3 85.9

Manual Integrations

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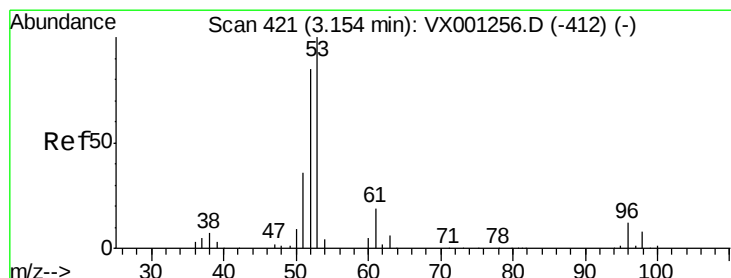
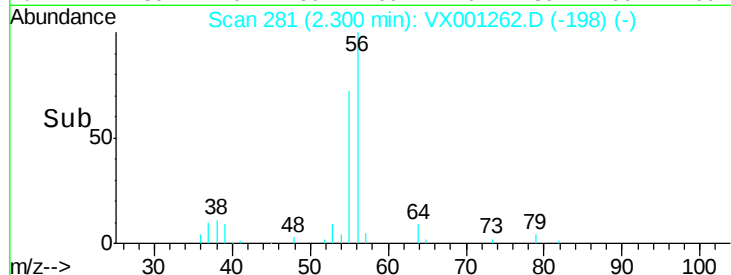
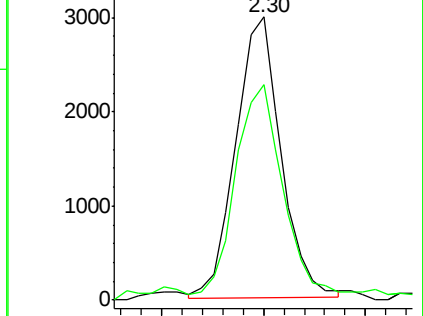
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 15.50 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

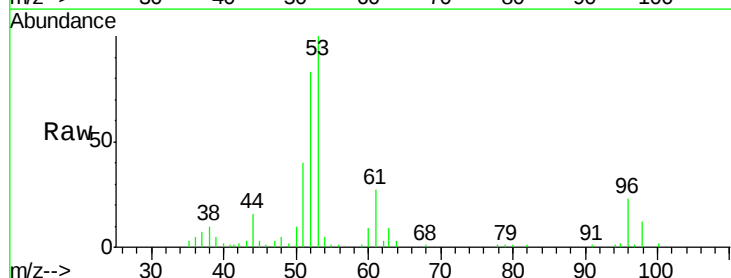
Tgt Ion: 53 Resp: 14466

Ion Ratio Lower Upper

53 100

52 83.4 41.9 125.8

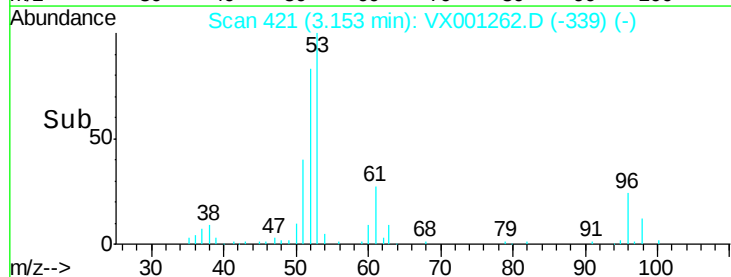
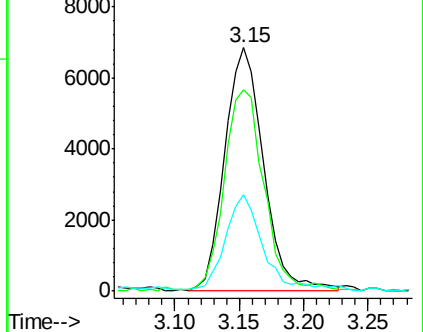
51 34.8 18.8 56.3

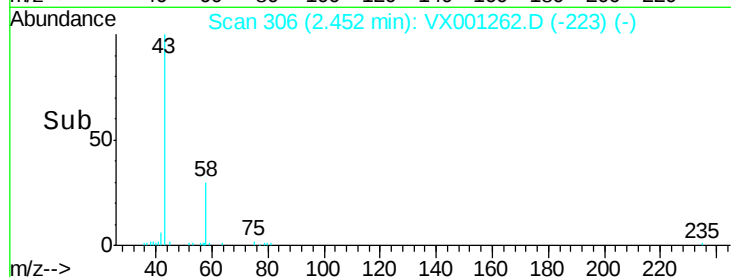
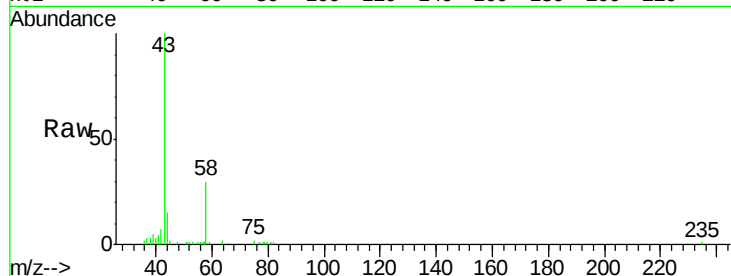
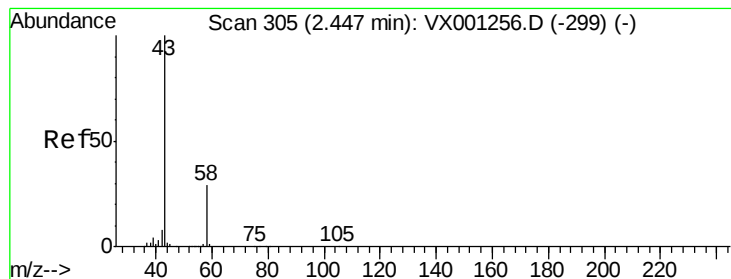


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 16.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tot Ion: 58 Resp: 4676

Ion Ratio Lower Upper

58 100

43 329.2 264.6 396.8

Instrument :

MSVOA_X

ClientSampleId :

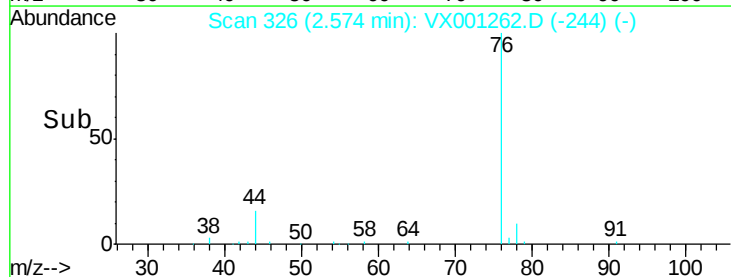
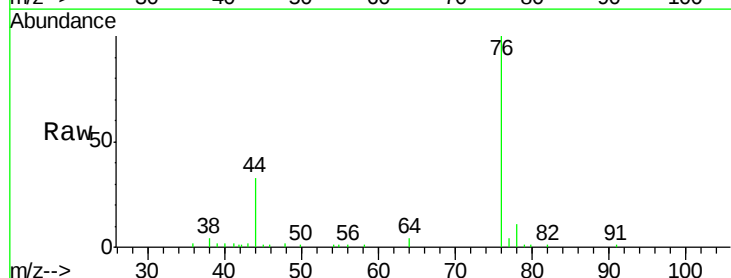
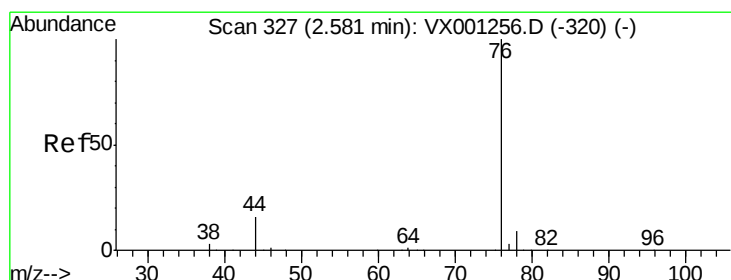
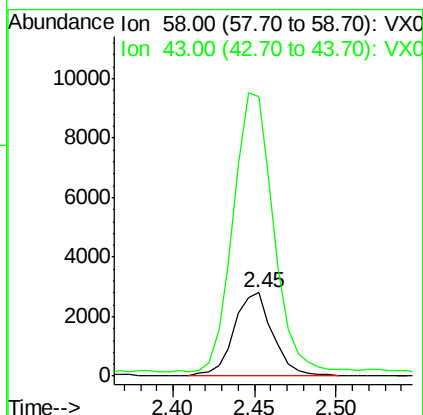
LOD-MDL-WATER-01-QT2-2018

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#16

Carbon Disulfide

Concen: 2.51 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001262.D

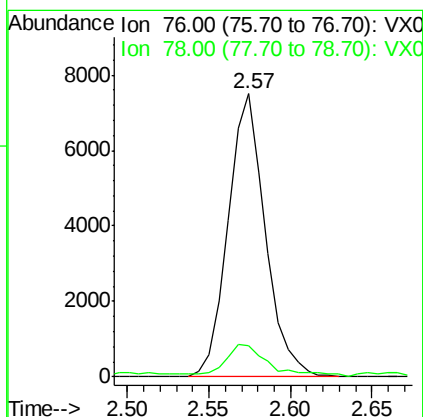
Acq: 30 Apr 2018 19:14

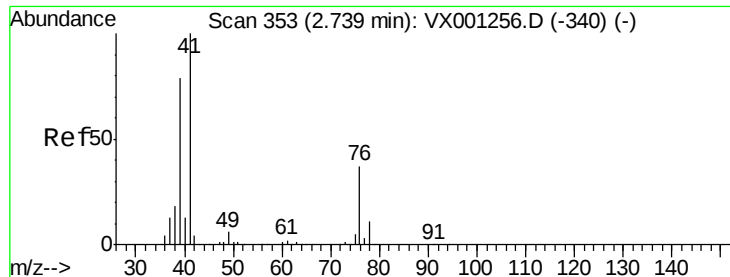
Tgt Ion: 76 Resp: 11895

Ion Ratio Lower Upper

76 100

78 10.1 6.8 10.2





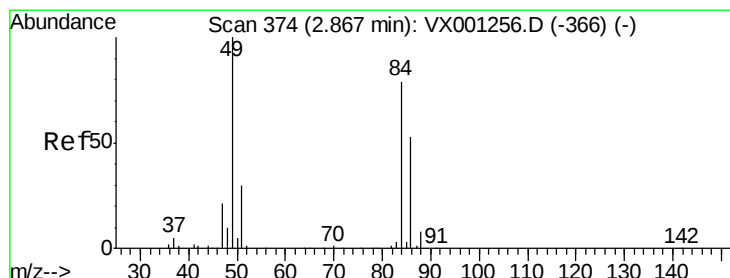
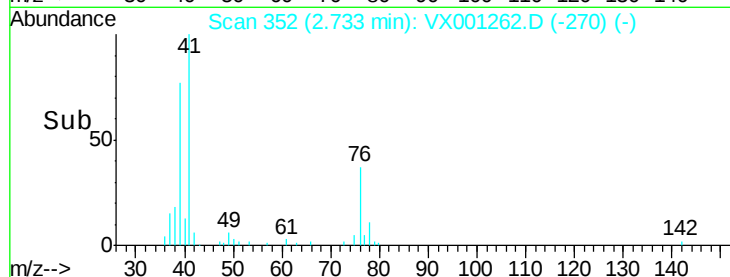
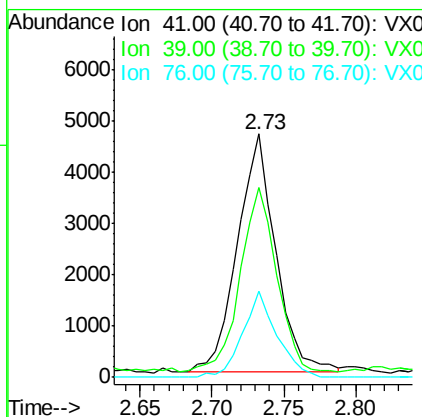
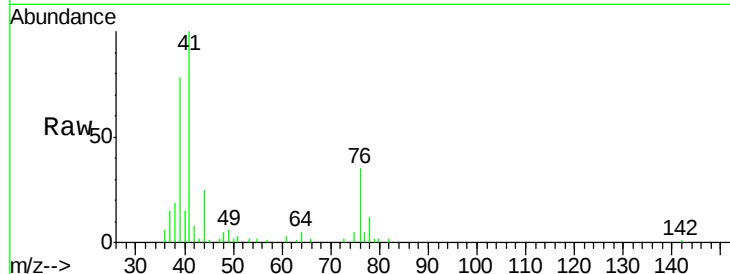
#17
Allvl chloride
Concen: 2.72 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion:	41	Resp:	8604
Ion	Ratio	Lower	Upper
41	100		
39	76.9	38.5	115.5
76	36.2	18.7	56.1

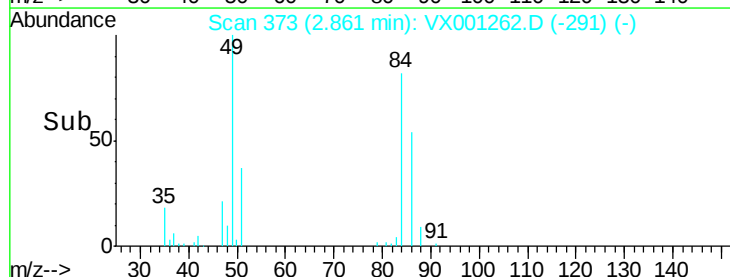
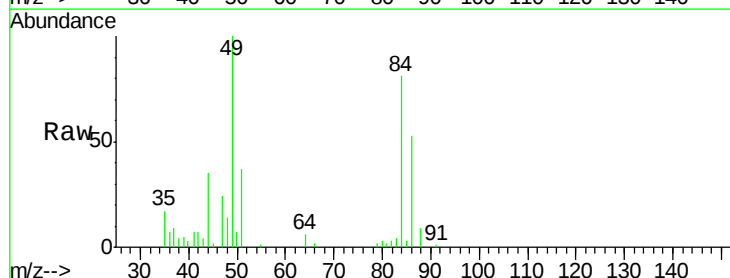
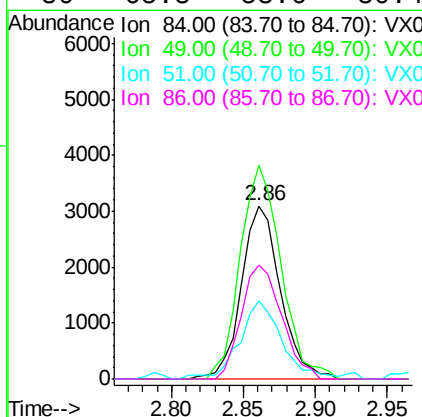
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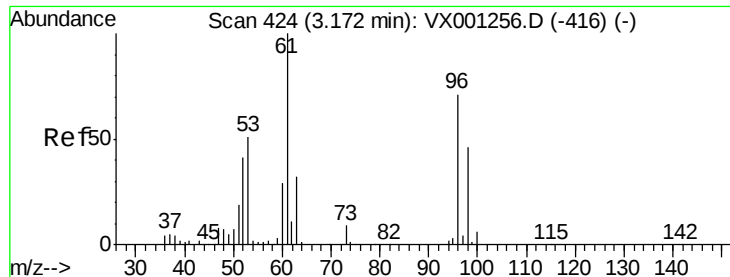
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#18
Methylene Chloride
Concen: 3.00 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion:	84	Resp:	5823
Ion	Ratio	Lower	Upper
84	100		
49	123.6	103.3	154.9
51	43.4	31.2	46.8
86	65.8	53.6	80.4





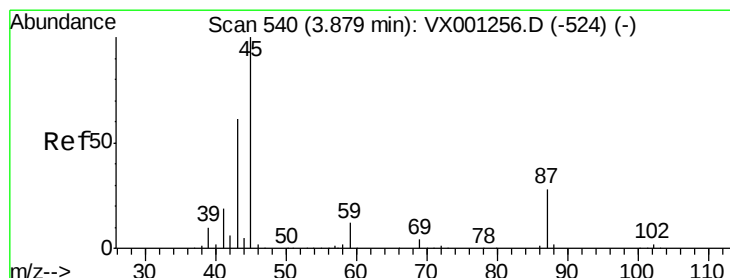
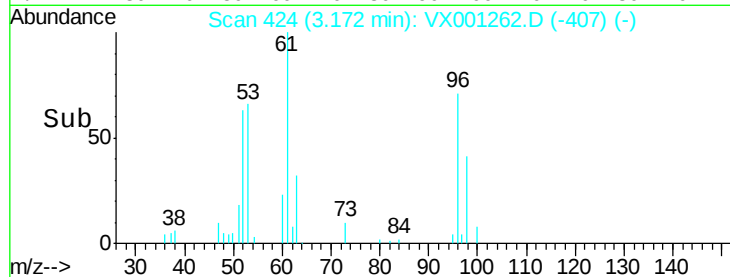
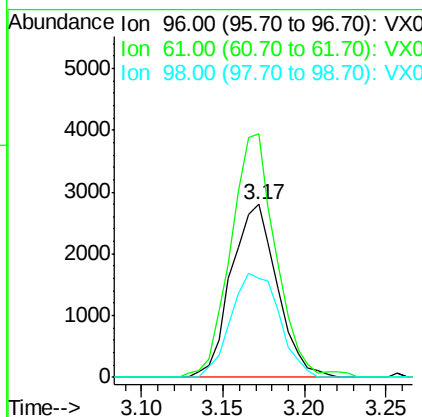
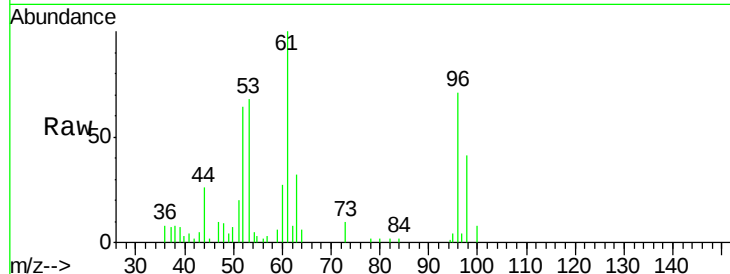
#19
trans-1,2-Dichloroethene
Concen: 2.86 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	101.0	151.6
98	57.1	53.3	79.9

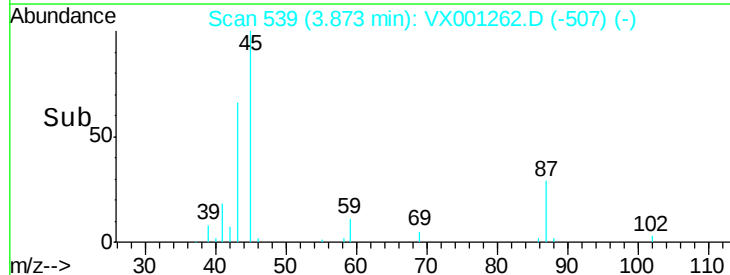
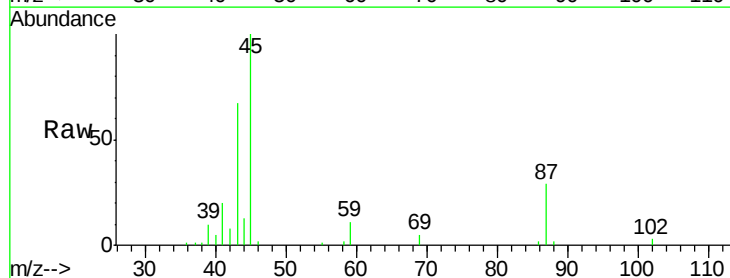
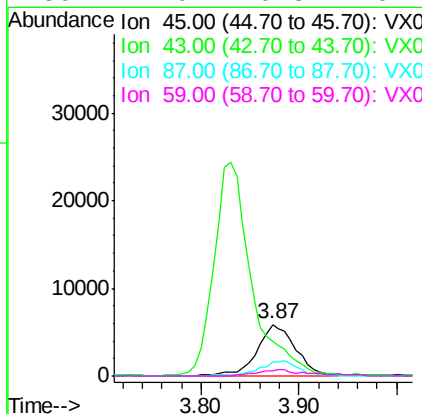
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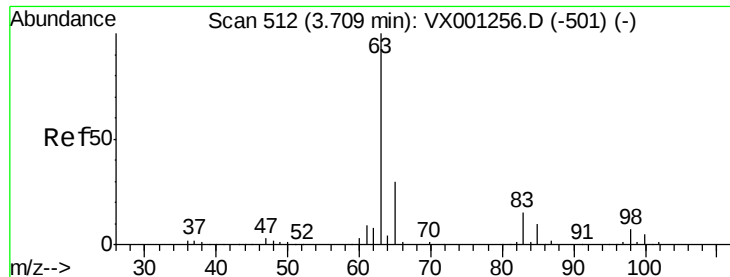
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#20
Diisopropyl ether
Concen: 2.61 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	49.6	74.4
87	28.6	23.1	34.7
59	11.0	10.8	16.2





#21

1,1-Dichloroethane

Concen: 2.84 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

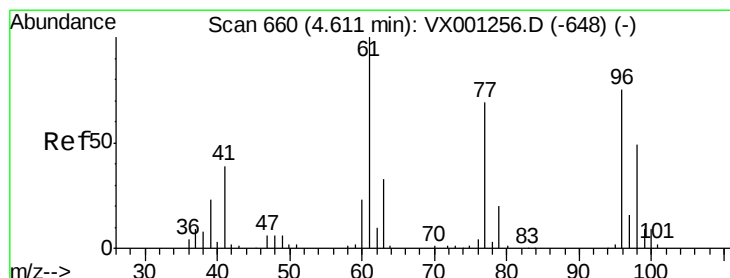
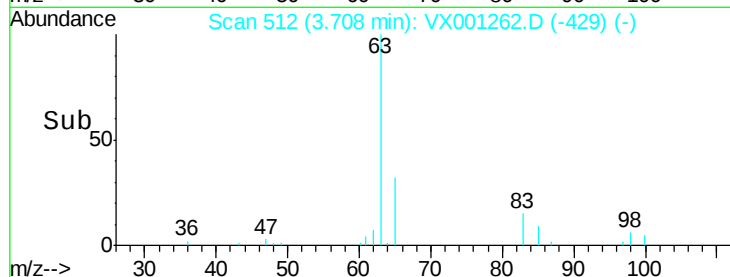
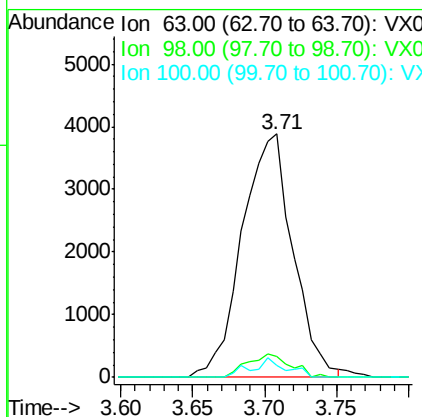
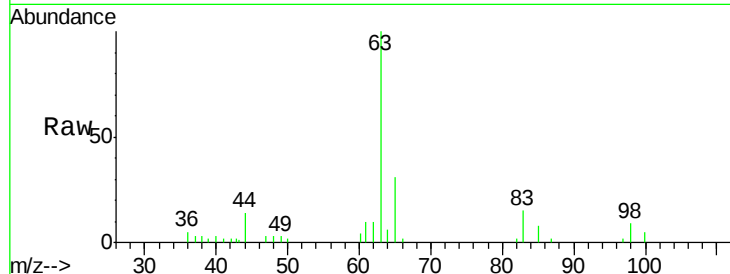
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	63	Resp:	9520
Ion	Ratio	Lower	Upper
63	100		
98	8.6	3.3	9.9
100	4.9	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 2.74 ug/l

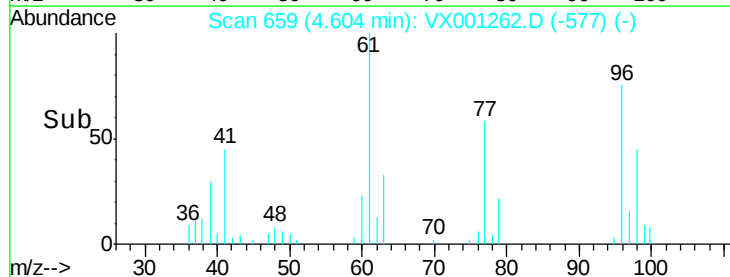
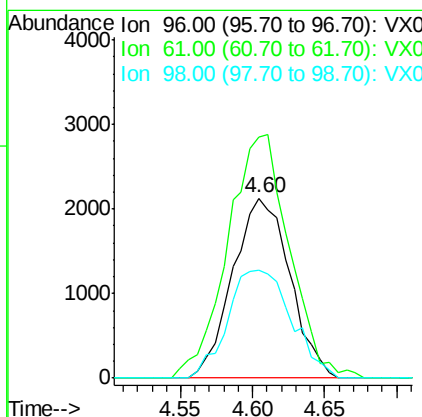
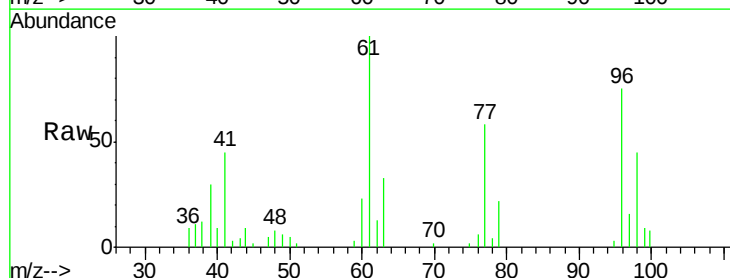
RT: 4.60 min Scan# 659

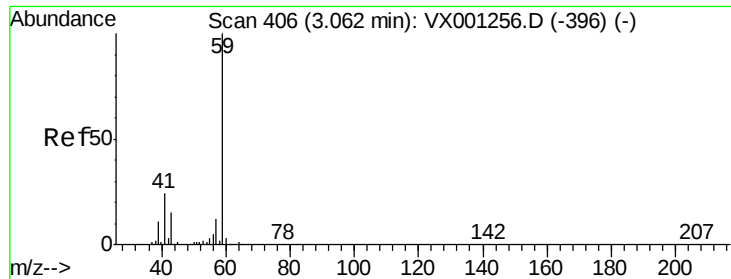
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	96	Resp:	5879
Ion	Ratio	Lower	Upper
96	100		
61	144.8	113.5	170.3
98	66.8	51.8	77.8





#23

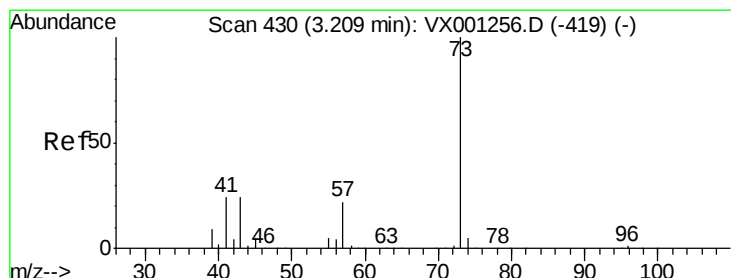
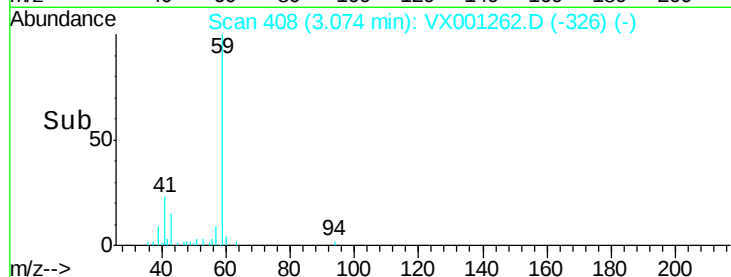
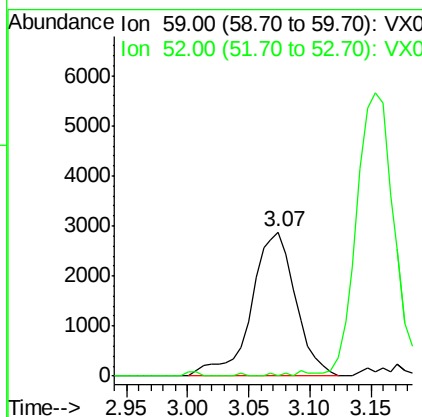
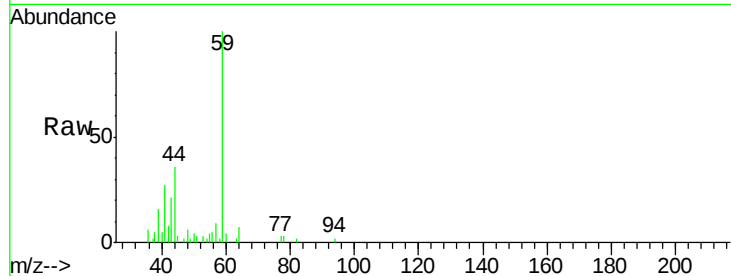
tert-Butyl Alcohol
Concen: 18.93 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.6	0.1	0.1#

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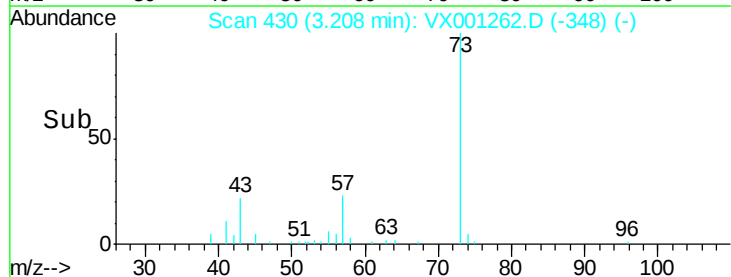
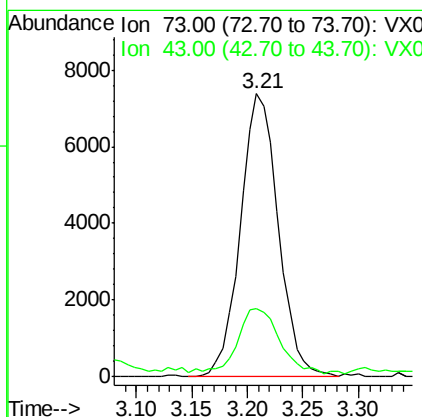
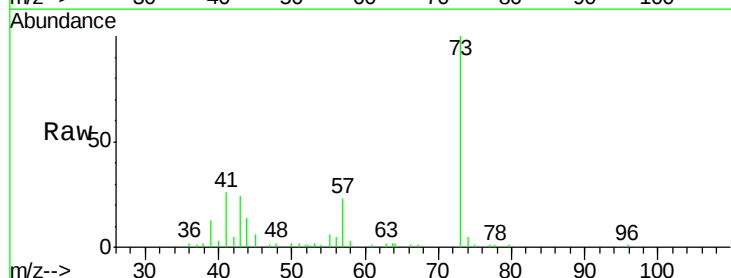
MMDadoda
5/2/2018 11:08:07 AM

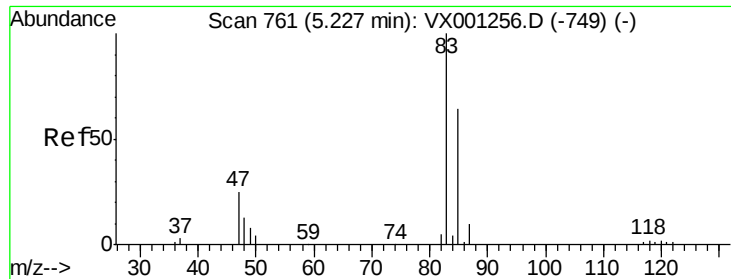


#24

Methyl tert-Butyl Ether
Concen: 2.86 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.8	16.5	24.7





#25

Chloroform

Concen: 2.70 ug/l

RT: 5.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 83 Resp: 9845

Ion Ratio Lower Upper

83 100

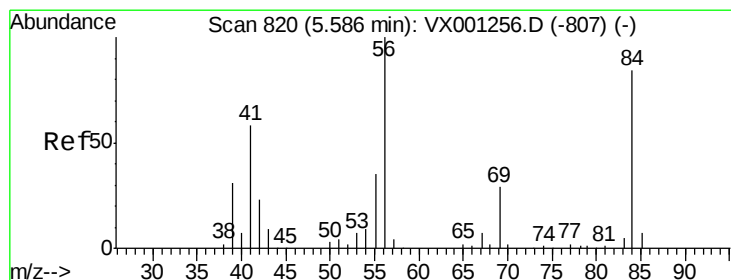
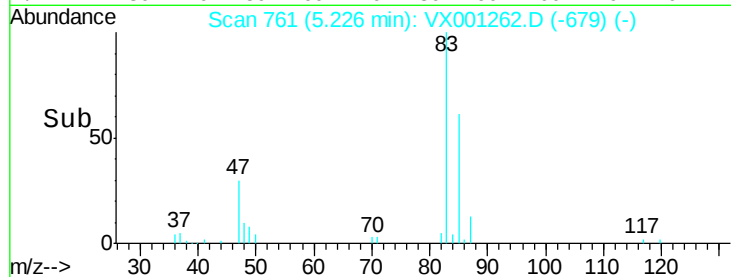
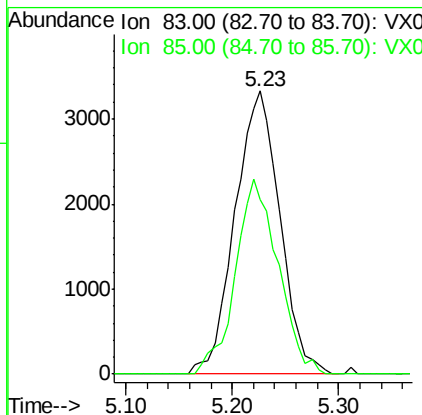
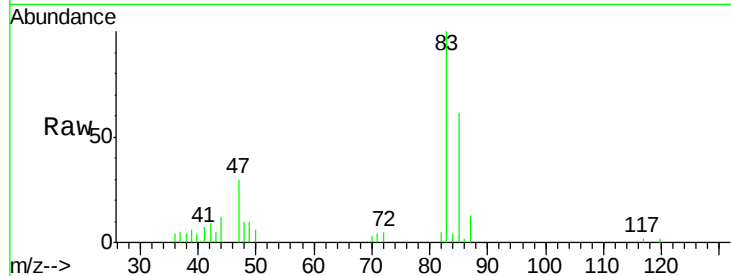
85 61.5 52.5 78.7

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 2.71 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

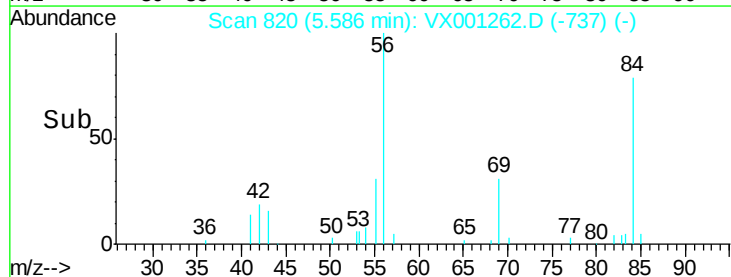
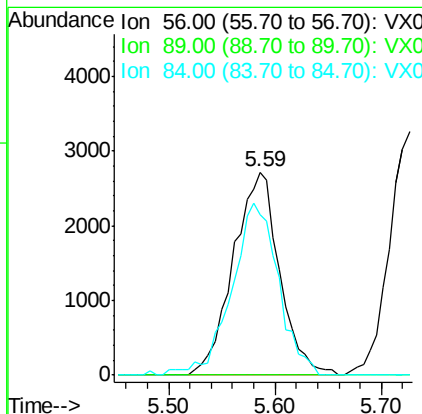
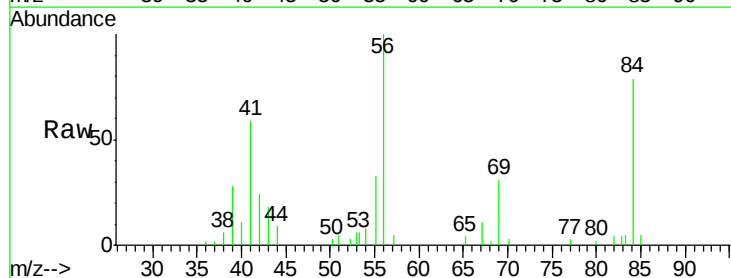
Tgt Ion: 56 Resp: 8243

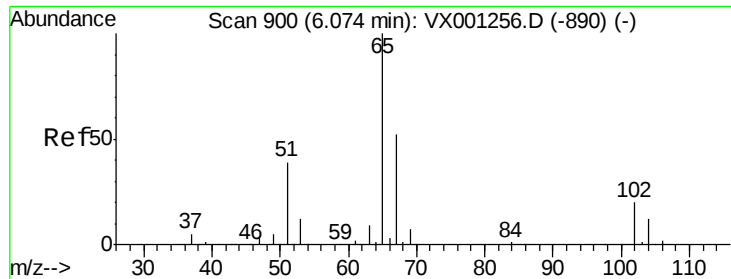
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 82.9 74.8 112.2





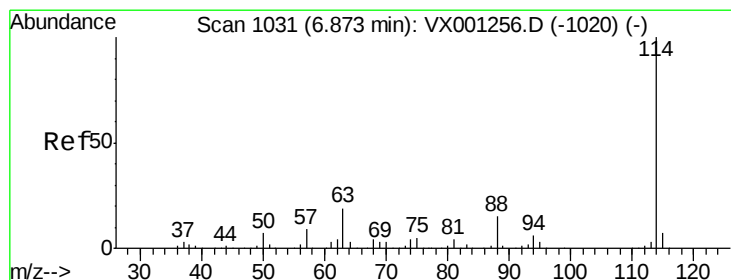
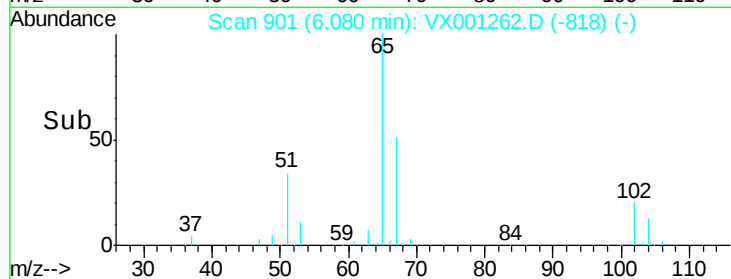
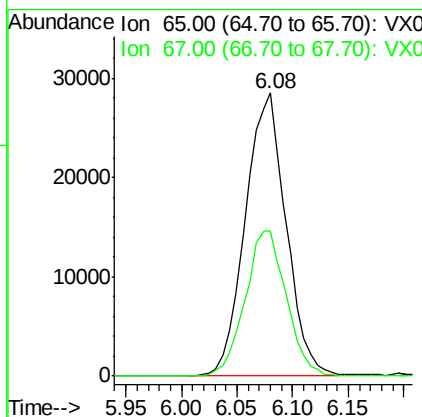
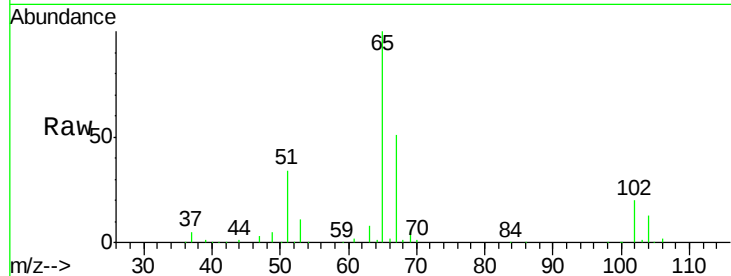
#27
 1,2-Dichloroethane-d4
 Concen: 31.00 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	41.4	62.2

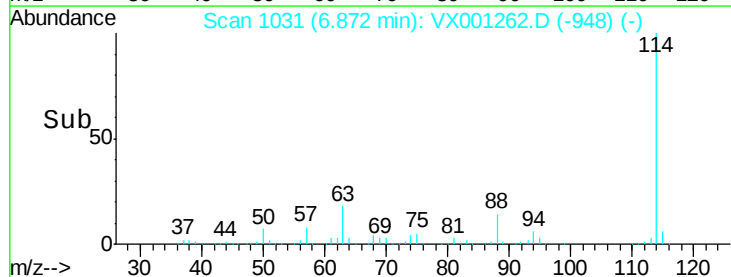
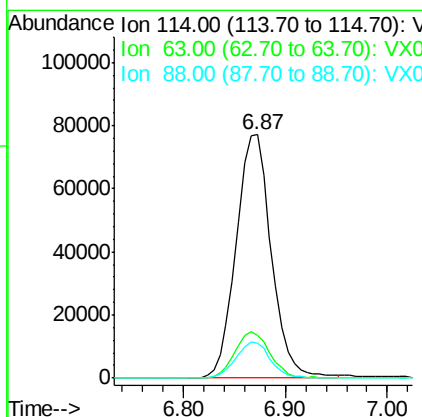
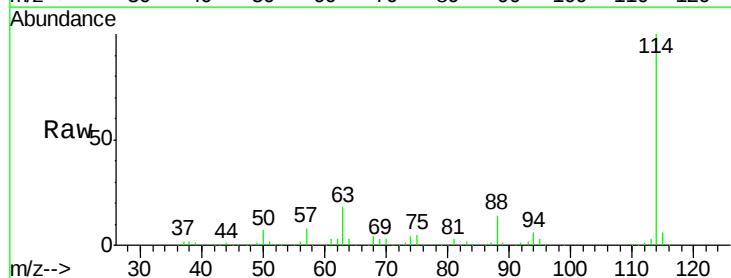
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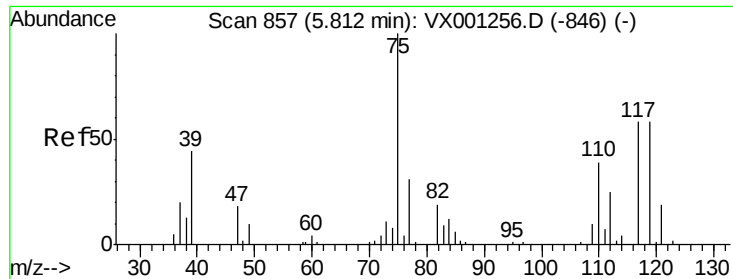
MMDadoda
 5/2/2018 11:08:07 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	15.0	22.4
88	14.6	11.8	17.8





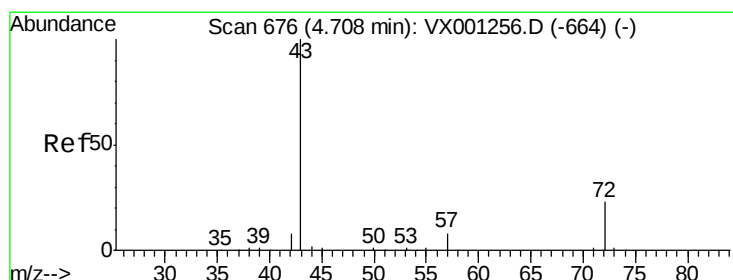
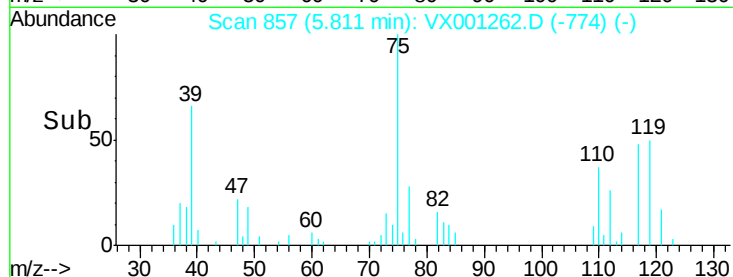
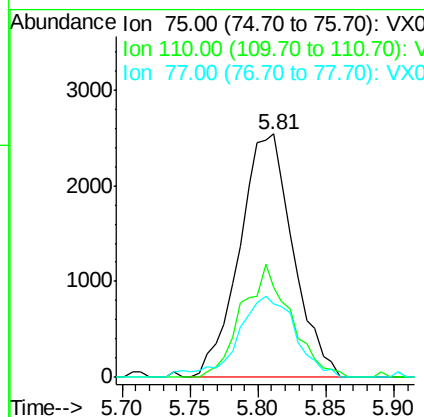
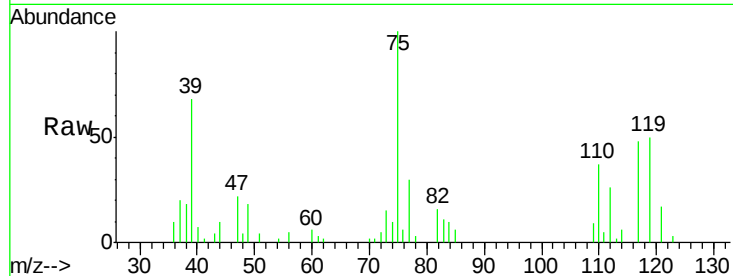
#29
 1,1-Dichloropropene
 Concen: 2.54 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
75	100	6986		
110	29.6	0.0	75.6	
77	34.6	0.0	62.6	

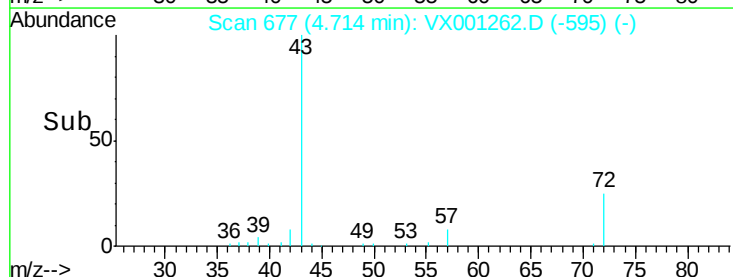
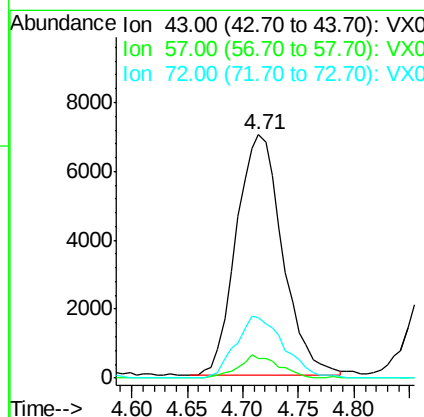
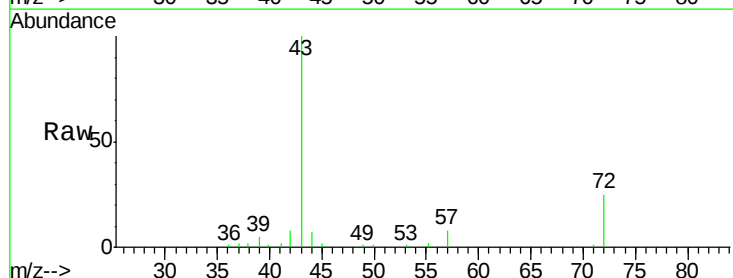
Manual Integrations
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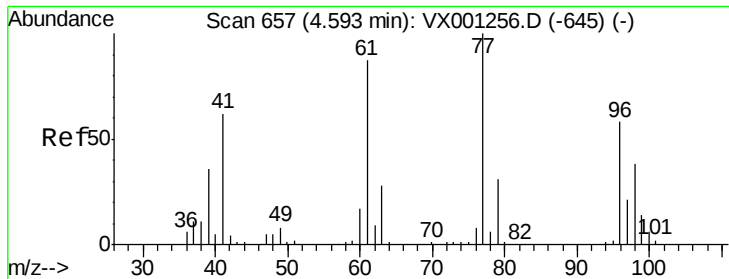
MMDadoda
 5/2/2018 11:08:07 AM



#30
 2-Butanone
 Concen: 14.40 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	20254		
57	8.3	6.6	10.0	
72	26.4	21.8	32.6	





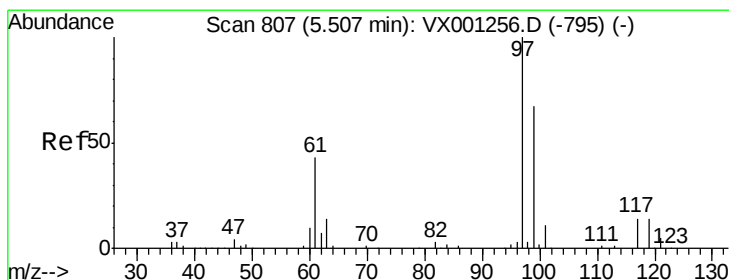
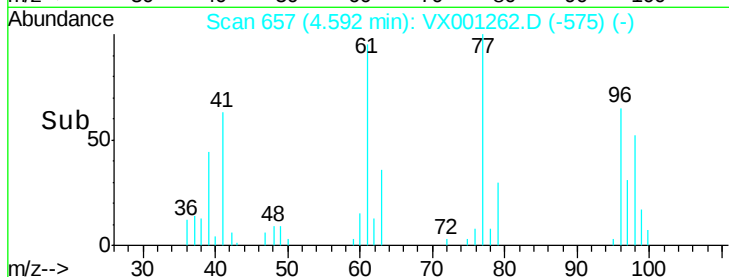
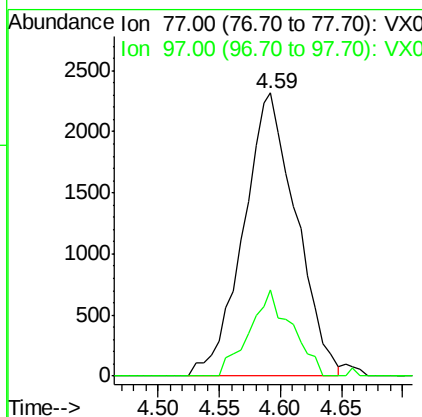
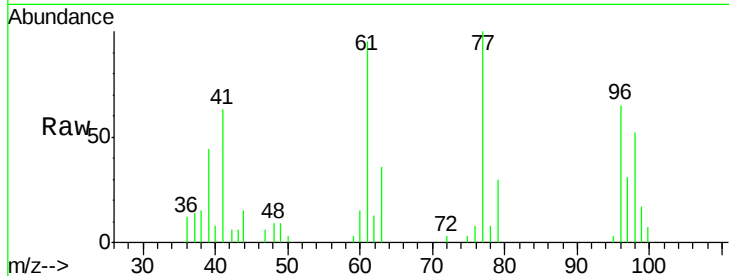
#31
 2,2-Dichloropropane
 Concen: 2.33 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion: 77 Resp: 6975
 Ion Ratio Lower Upper
 77 100
 97 24.4 18.6 27.8

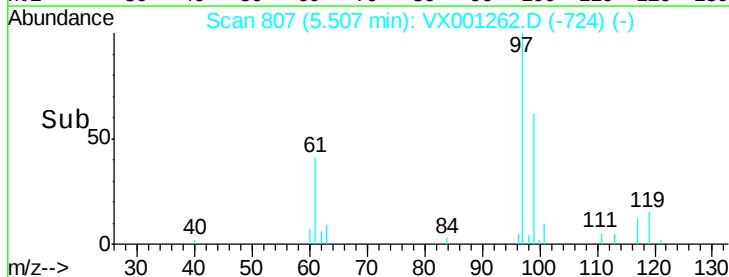
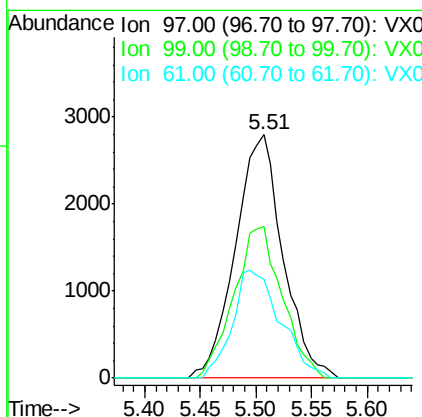
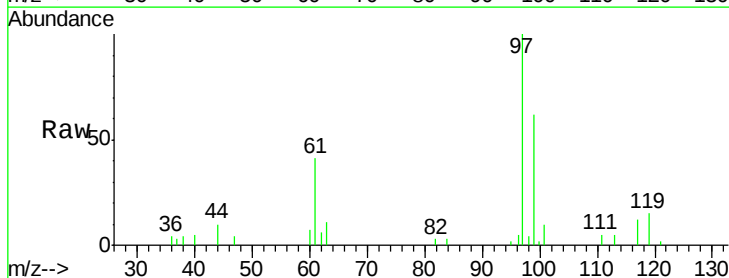
Manual Integrations
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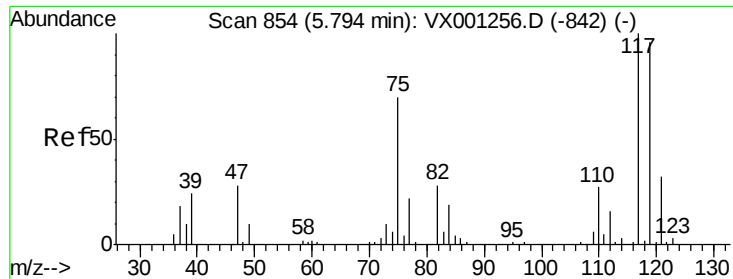
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 2.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion: 97 Resp: 8300
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.3 78.5
 61 45.0 34.3 51.5





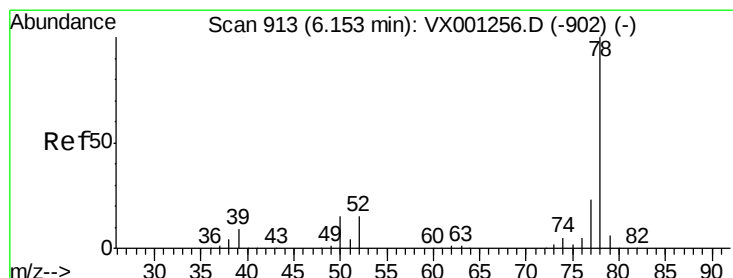
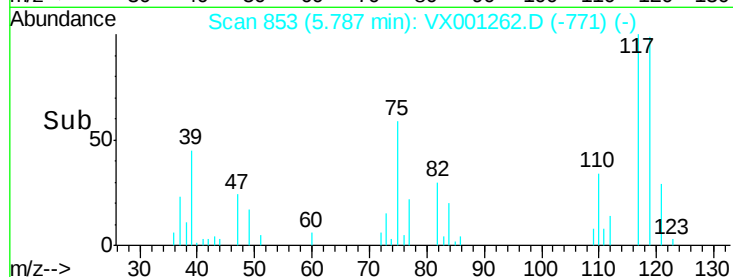
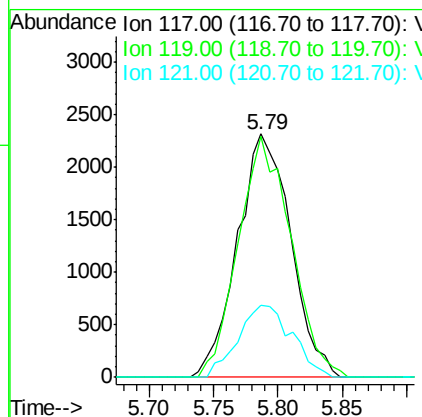
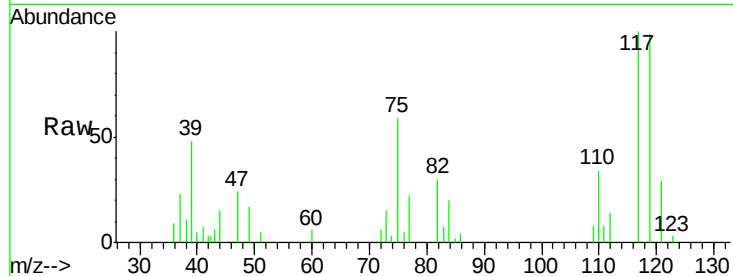
#33
Carbon Tetrachloride
Concen: 2.22 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion:117 Resp: 6657
Ion Ratio Lower Upper
117 100
119 99.0 73.5 110.3
121 29.3 24.6 37.0

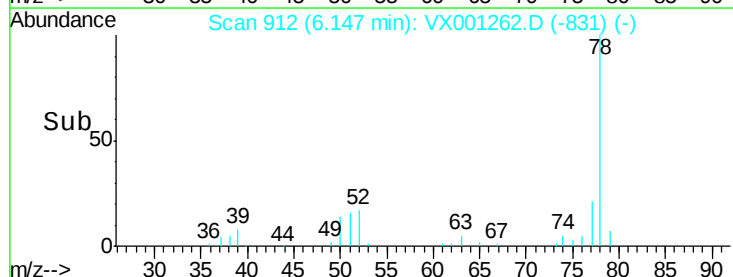
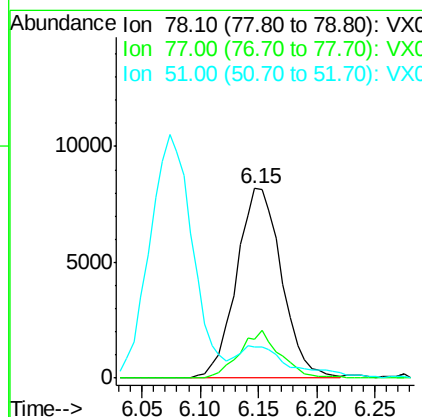
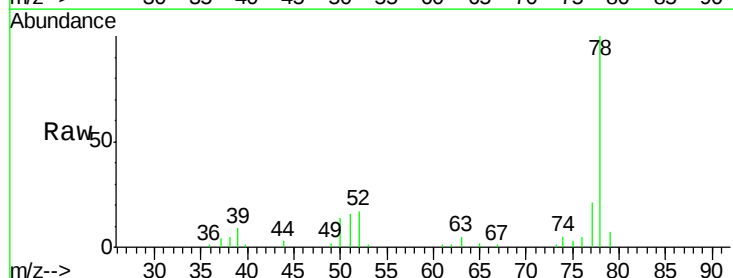
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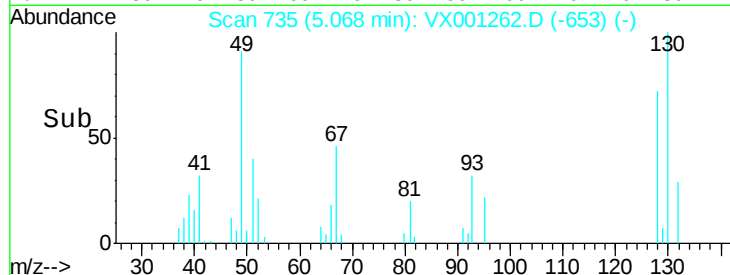
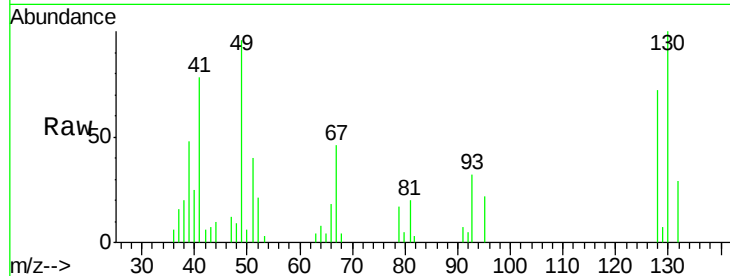
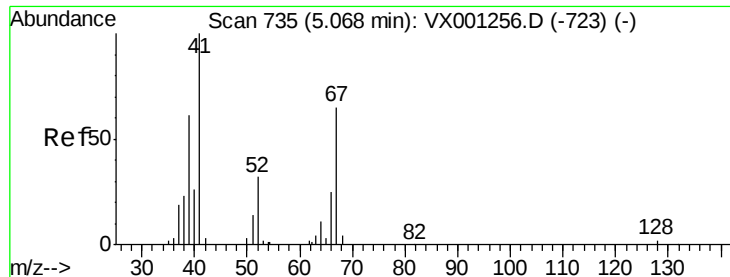
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#34
Benzene
Concen: 2.71 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion: 78 Resp: 22079
Ion Ratio Lower Upper
78 100
77 20.6 21.7 32.5#
51 13.5 14.9 22.3#





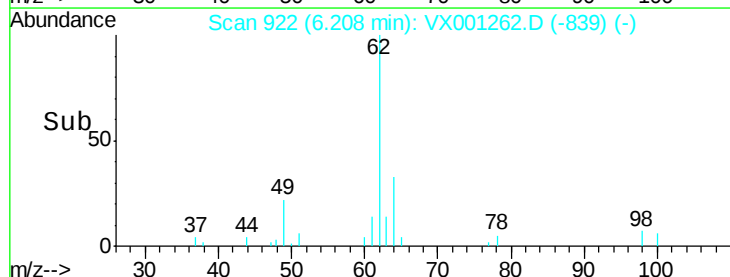
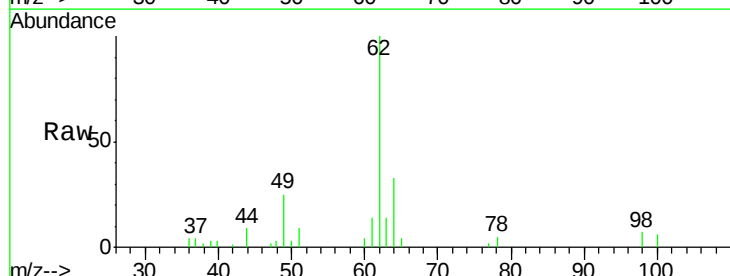
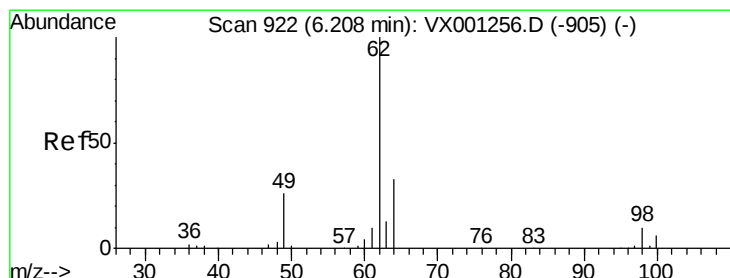
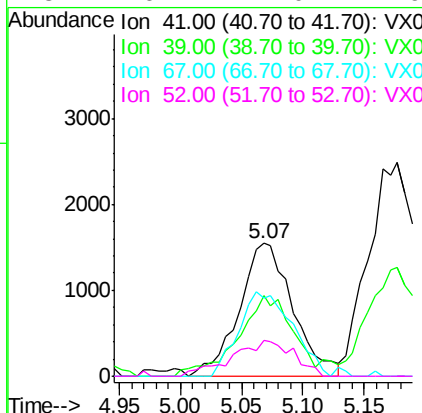
#35
Methacrylonitrile
Concen: 3.03 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tot Ion:	41	Resp:	4732
Ion	Ratio	Lower	Upper
41	100		
39	55.6	29.8	89.3
67	59.3	28.7	86.3
52	26.7	14.0	41.9

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

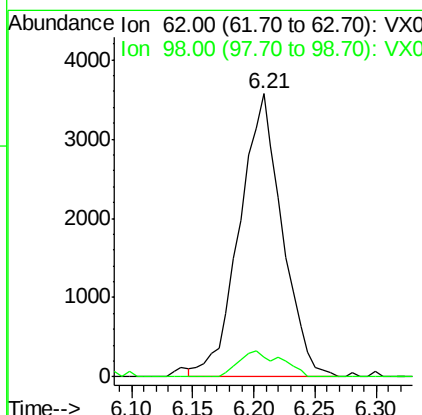
Manual Integrations
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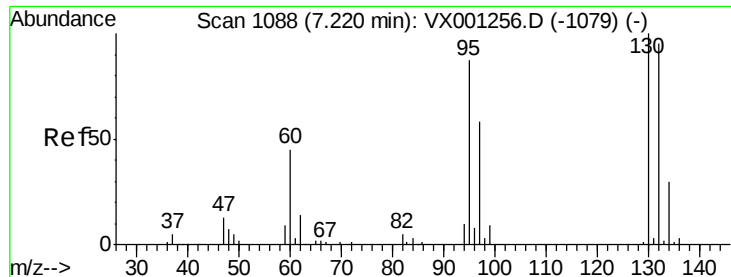
MMDadoda
5/2/2018 11:08:07 AM



#36
1,2-Dichloroethane
Concen: 2.78 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion:	62	Resp:	8671
Ion	Ratio	Lower	Upper
62	100		
98	6.4	6.9	10.3#





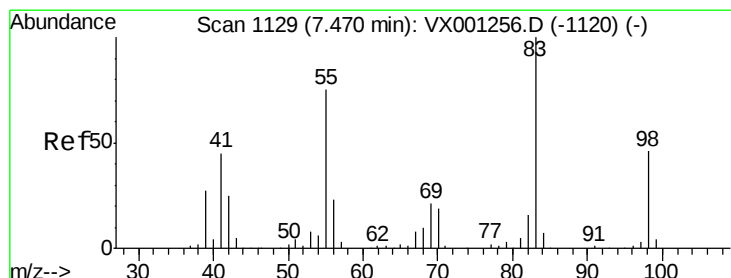
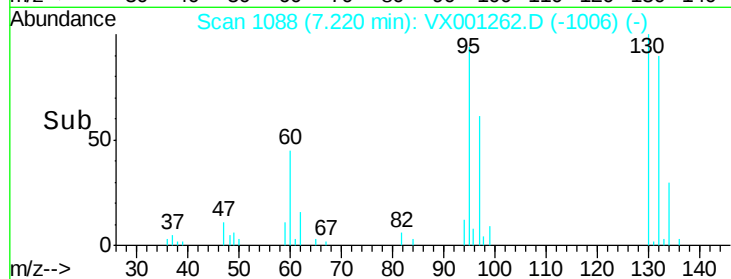
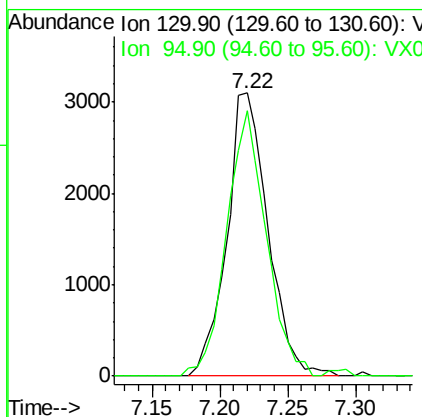
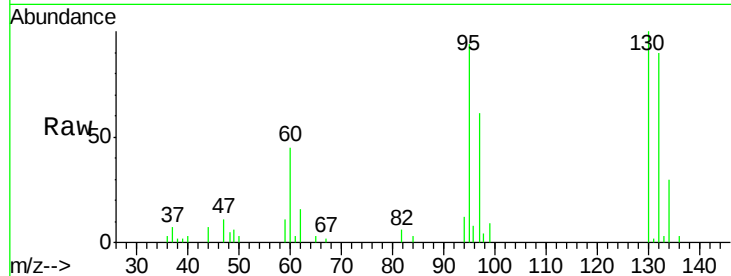
#37
 Trichloroethene
 Concen: 2.65 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion:130 Resp: 6531
 Ion Ratio Lower Upper
 130 100
 95 91.8 74.6 112.0

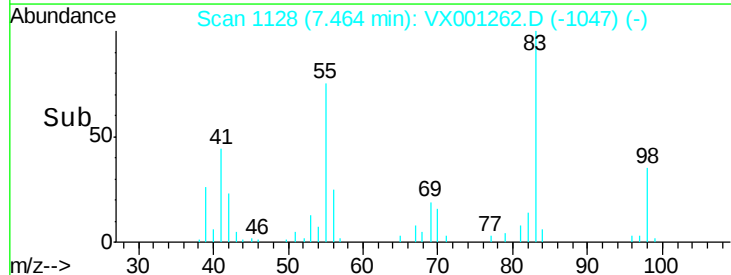
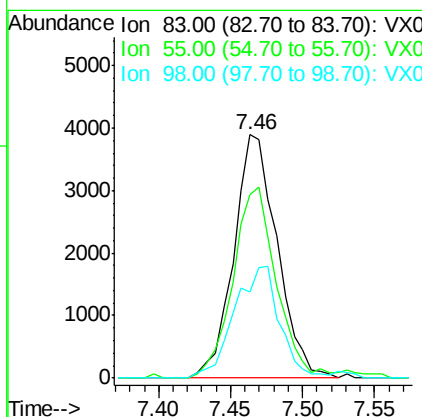
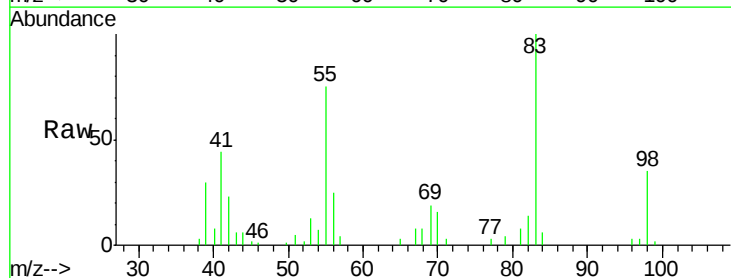
Manual Integrations
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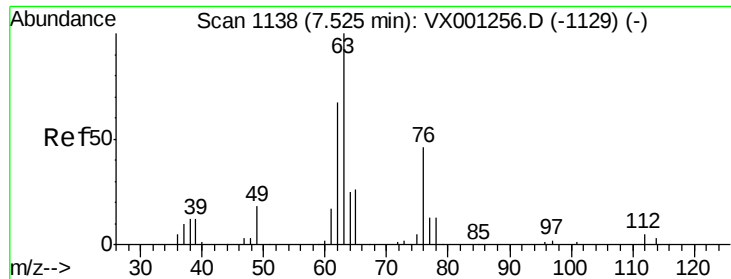
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#38
 Methylcyclohexane
 Concen: 2.52 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion: 83 Resp: 8143
 Ion Ratio Lower Upper
 83 100
 55 77.5 35.9 107.7
 98 48.2 24.6 74.0





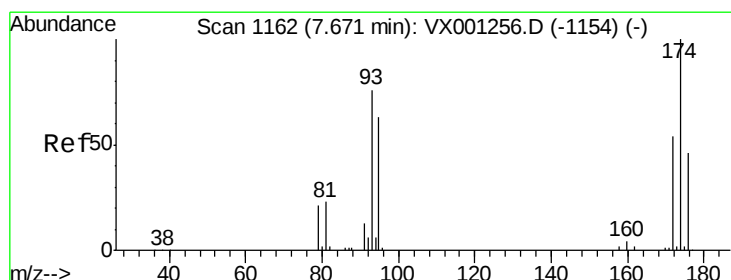
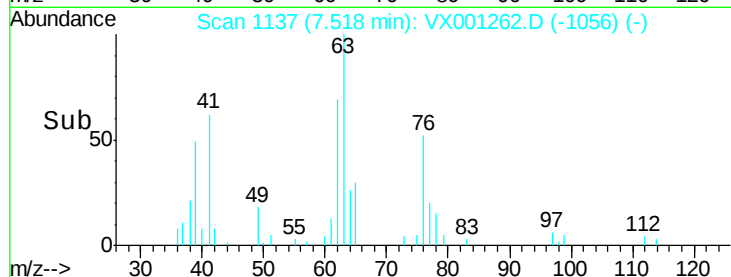
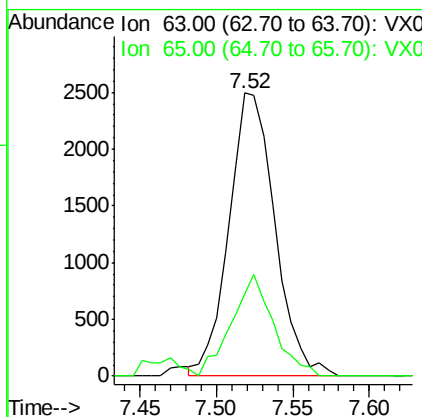
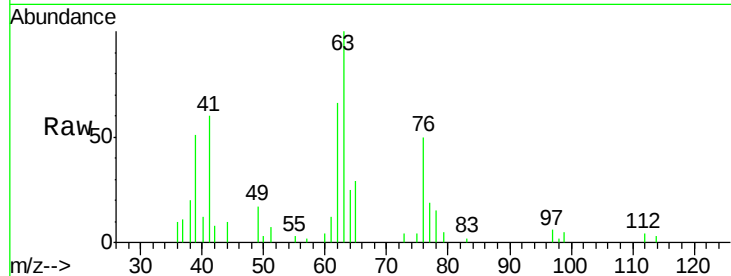
#39
 1,2-Dichloropropane
 Concen: 2.52 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion: 63 Resp: 5207
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.0 37.6

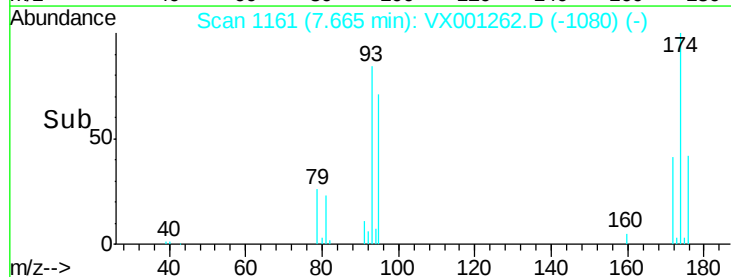
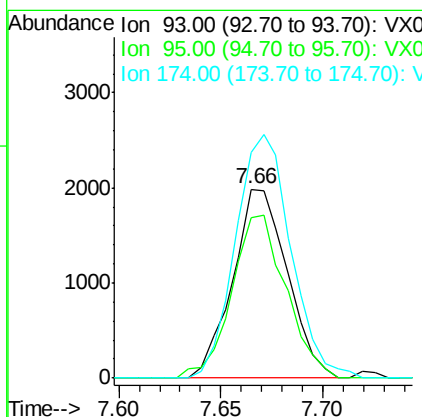
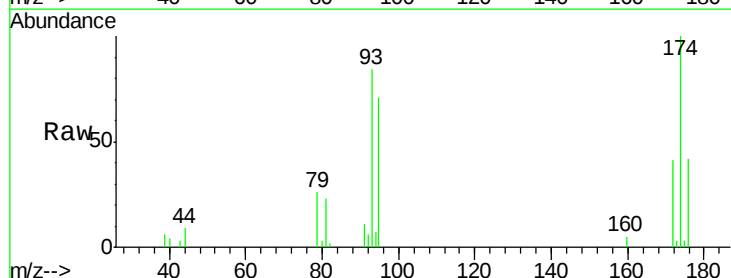
Manual Integrations
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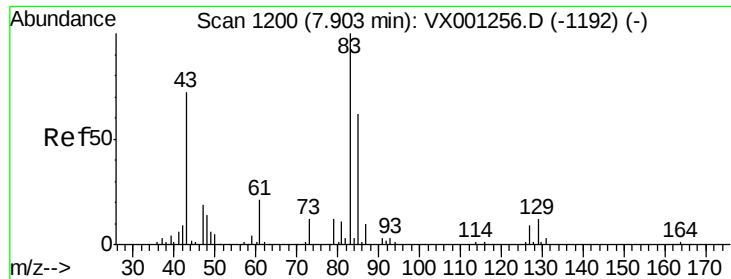
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#40
 Dibromomethane
 Concen: 2.55 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion: 93 Resp: 3698
 Ion Ratio Lower Upper
 93 100
 95 85.6 0.0 170.6
 174 130.9 0.0 210.4





#41

Bromodichloromethane

Concen: 2.24 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

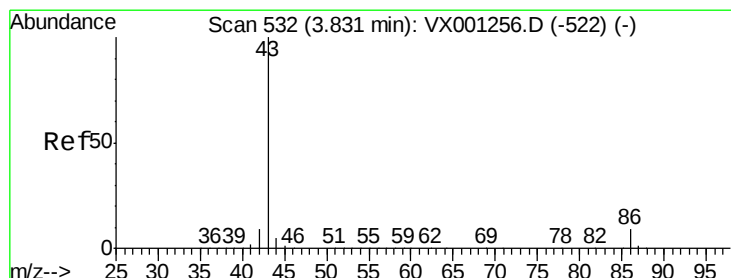
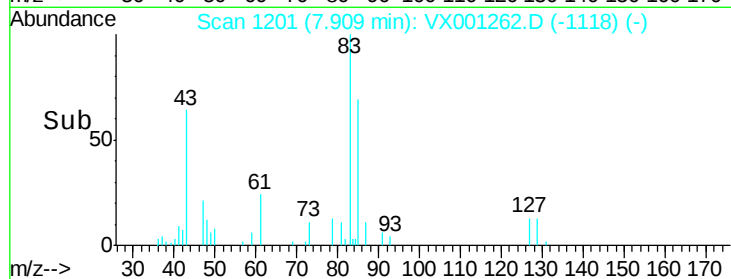
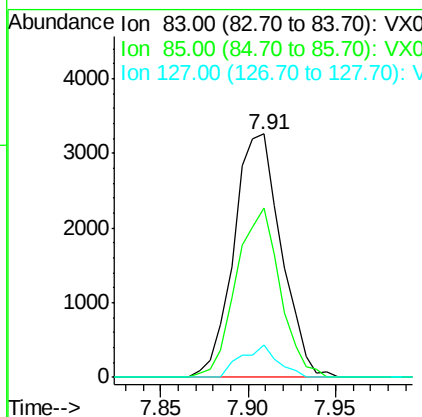
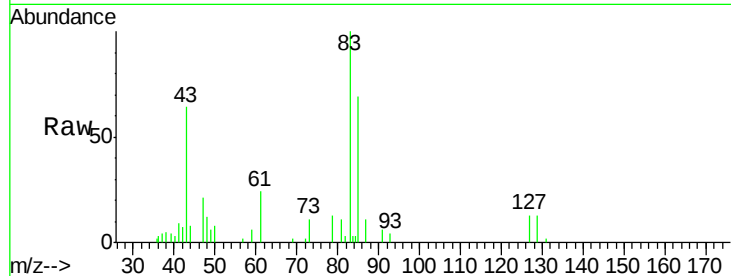
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion	83	Resp	6146
Ion Ratio	100	Lower	Upper
83	100		
85	69.5	50.0	75.0
127	13.1	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 11.82 ug/l

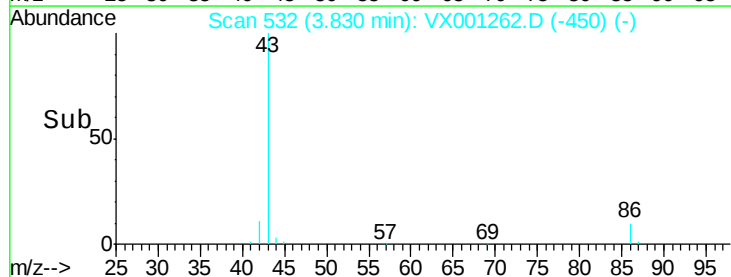
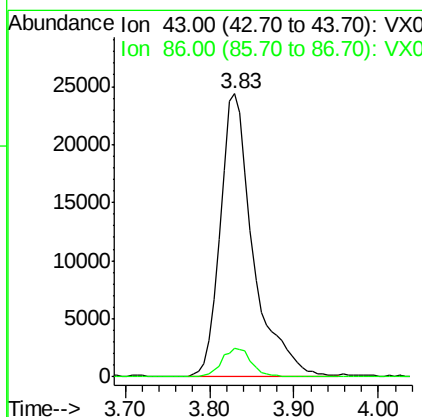
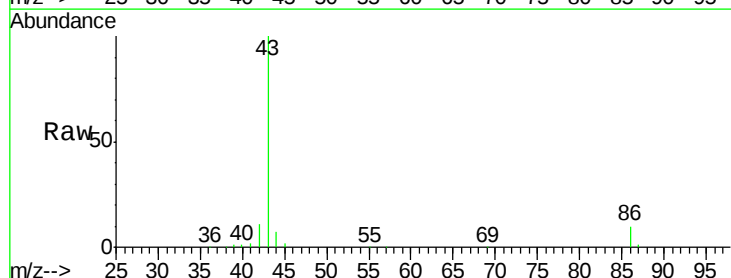
RT: 3.83 min Scan# 532

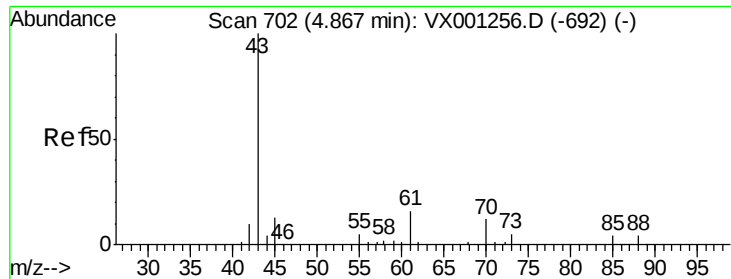
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion	43	Resp	65393
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.8	11.6





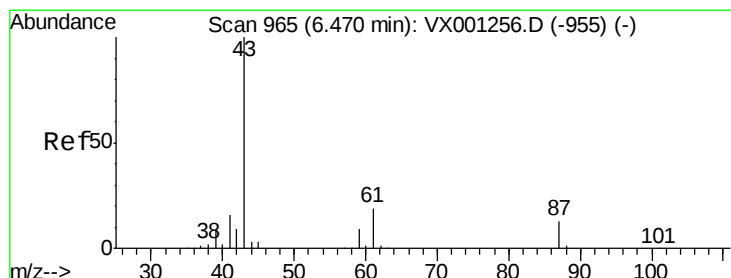
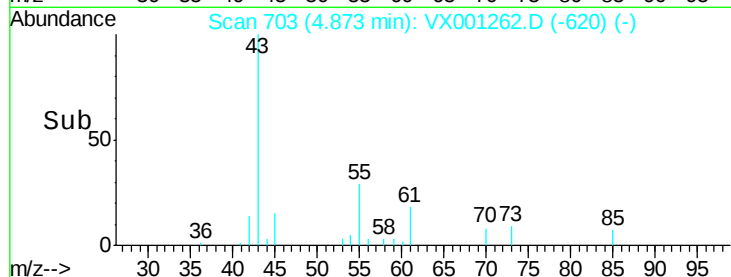
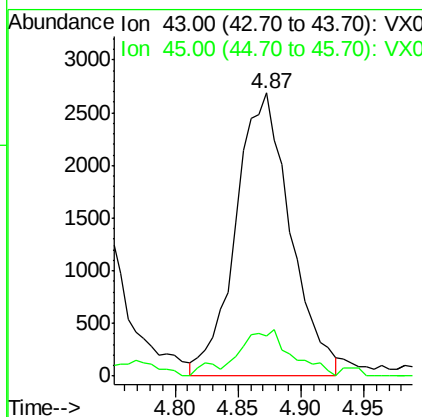
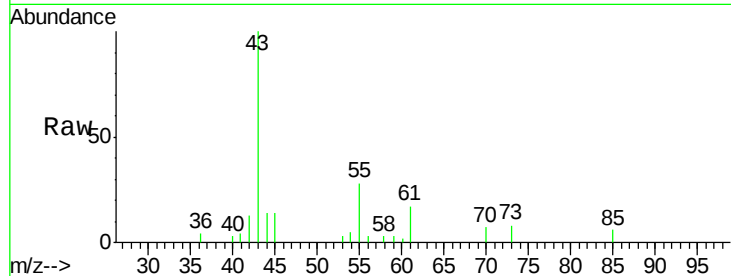
#43
Ethyl Acetate
Concen: 2.99 ug/l m
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion: 43 Resp: 8101
Ion Ratio Lower Upper
43 100
45 0.5 11.4 17.0#

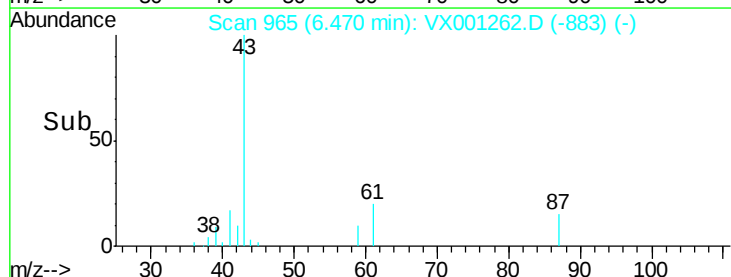
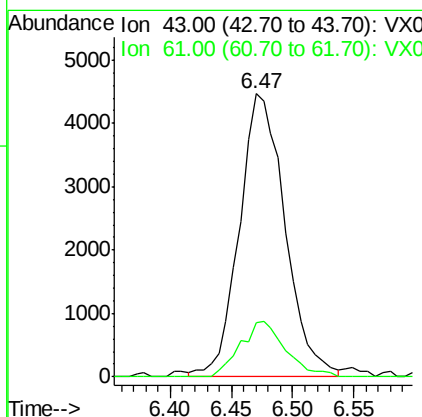
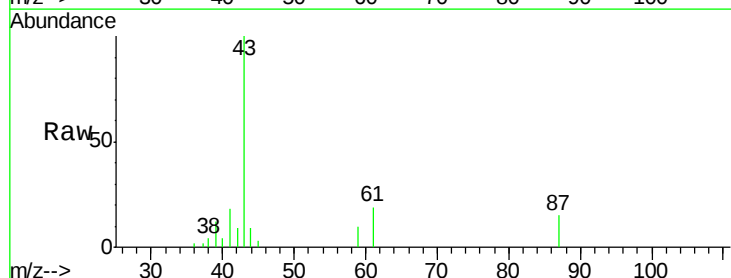
Manual Integrations
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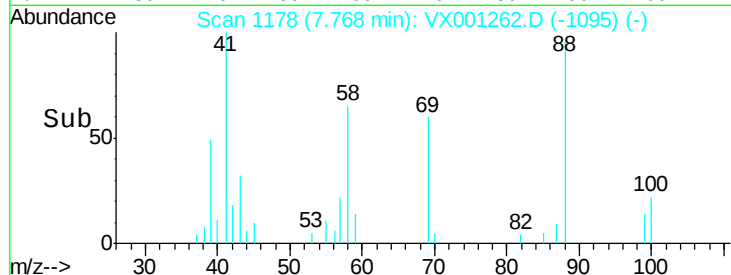
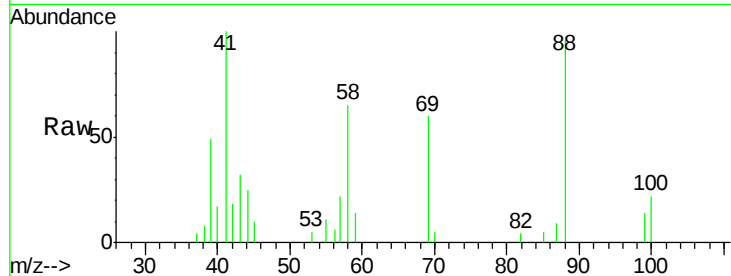
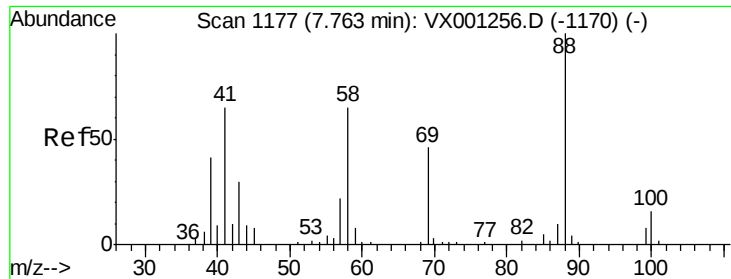
MMDadoda
5/2/2018 11:08:07 AM



#44
Isopropyl Acetate
Concen: 2.52 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion: 43 Resp: 11614
Ion Ratio Lower Upper
43 100
61 19.0 15.7 23.5





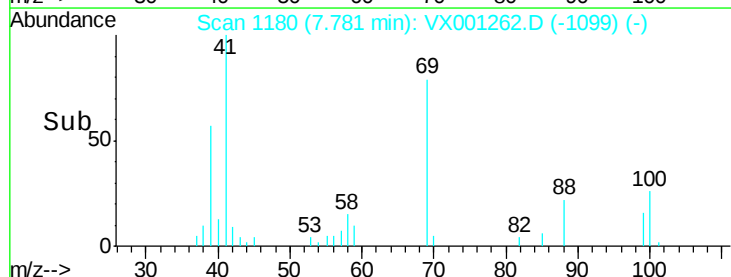
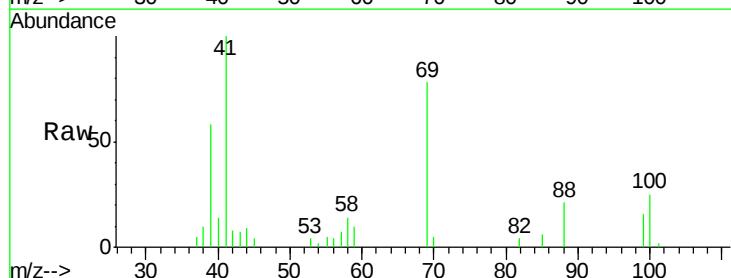
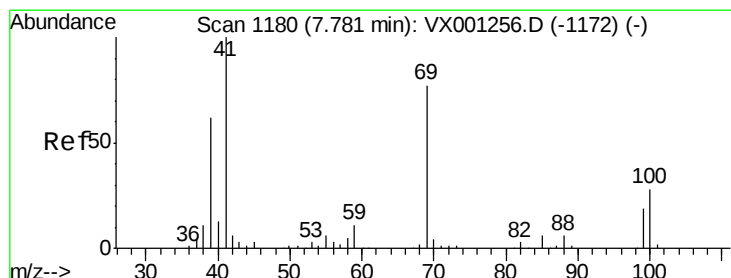
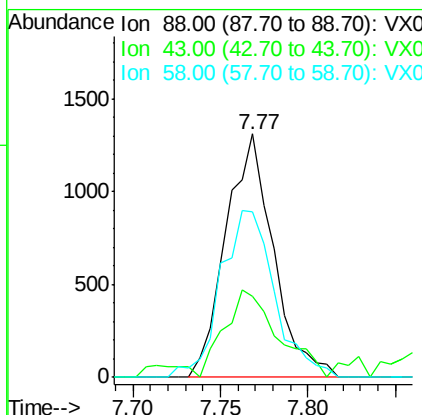
#45
1,4-Dioxane
Concen: 59.08 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	26.8	40.2
58	77.8	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

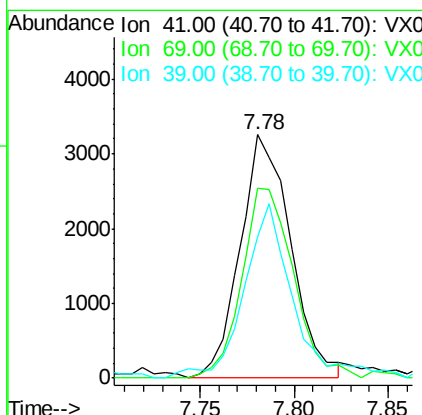
Manual Integrations
APPROVED

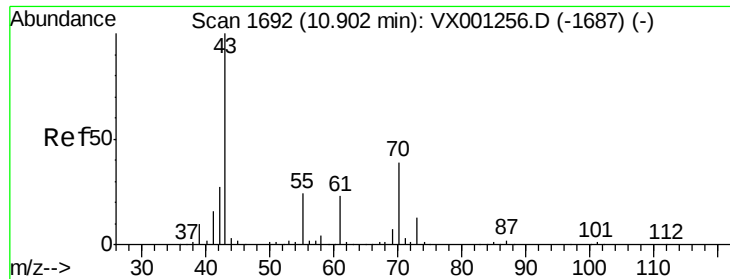
MMDadoda
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#46
Methyl methacrylate
Concen: 2.54 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.9	45.5	136.5
39	54.4	32.5	97.5





#47

n-amvl Acetate

Concen: 2.06 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 43 Resp: 9126

Ion Ratio Lower Upper

43 100

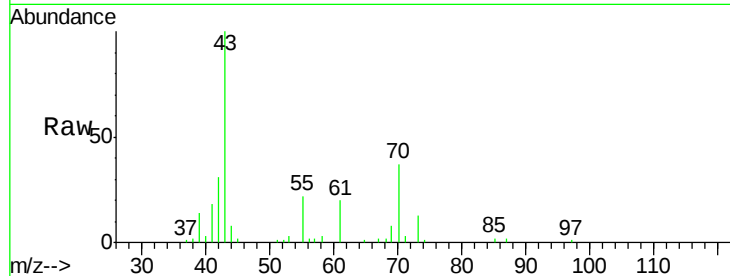
55 26.0 19.4 29.2

Manual Integrations

APPROVED

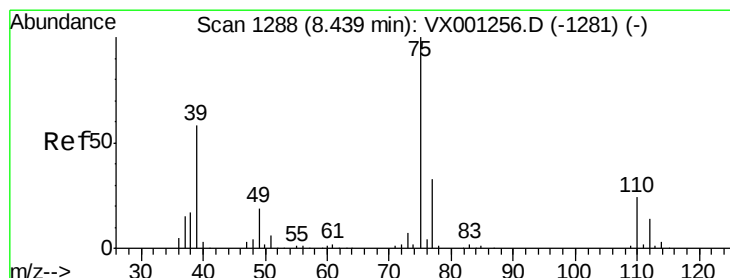
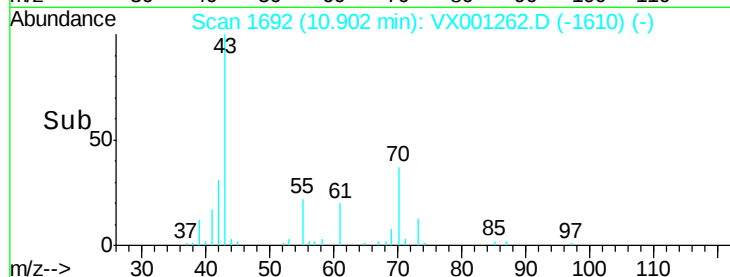
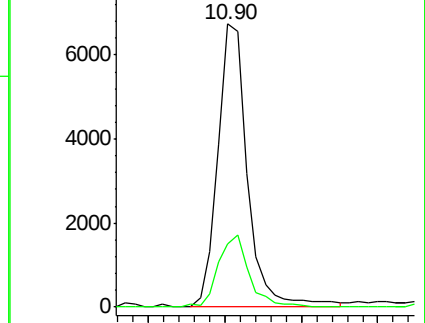
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 1.96 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX001262.D

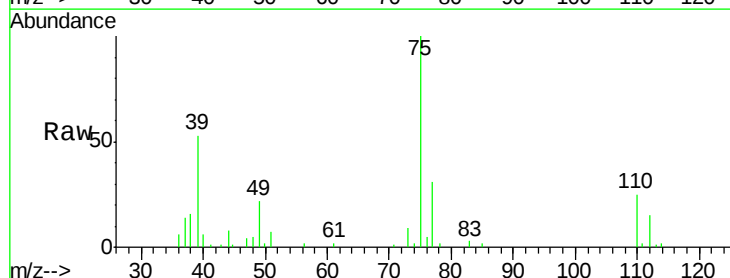
Acq: 30 Apr 2018 19:14

Tgt Ion: 75 Resp: 6312

Ion Ratio Lower Upper

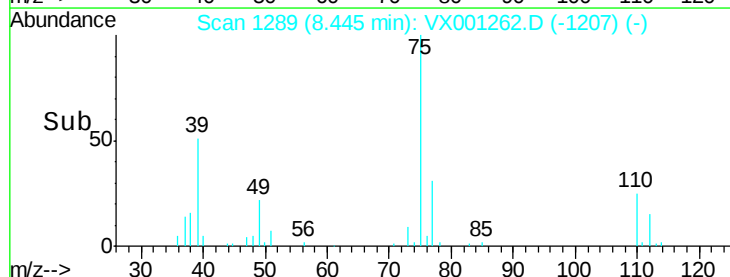
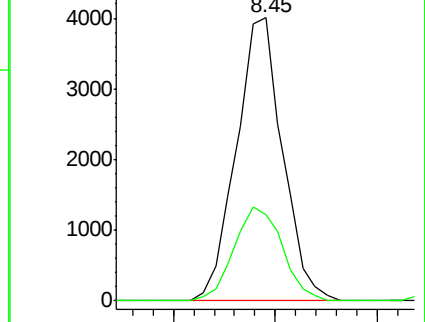
75 100

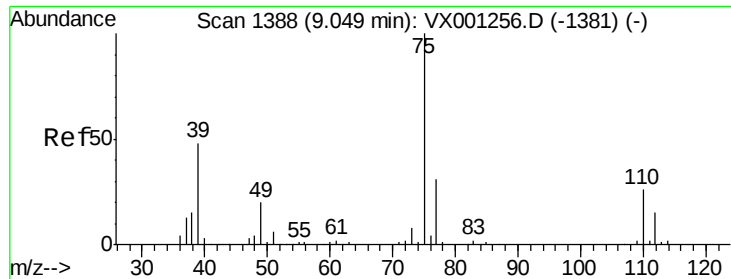
77 30.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





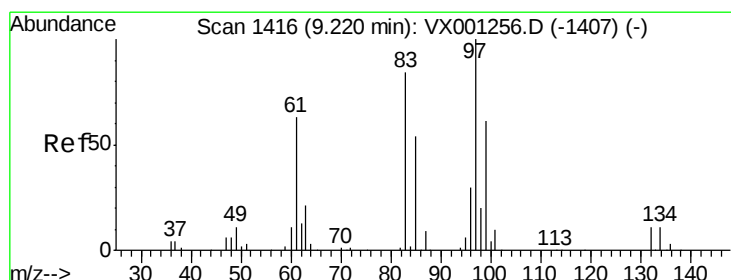
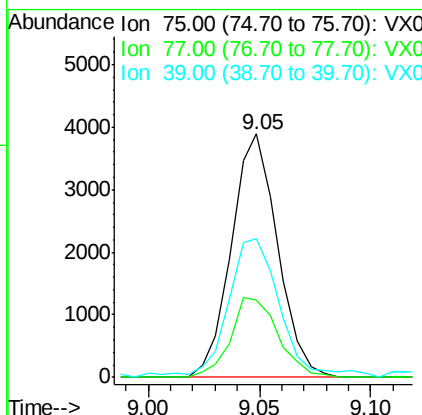
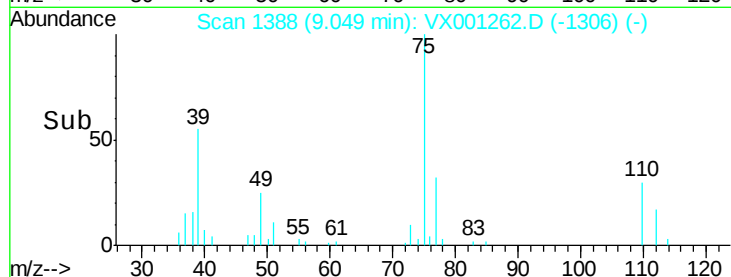
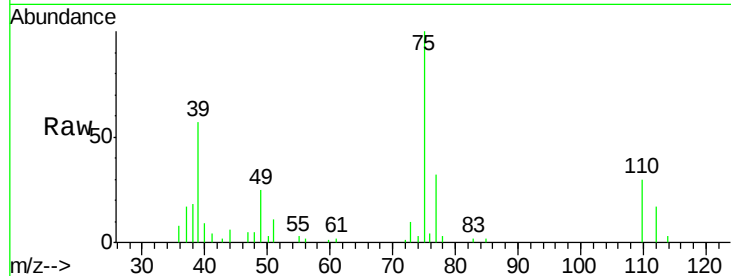
#49
 cis-1,3-Dichloropropene
 Concen: 1.82 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7
39	55.3	35.6	53.4

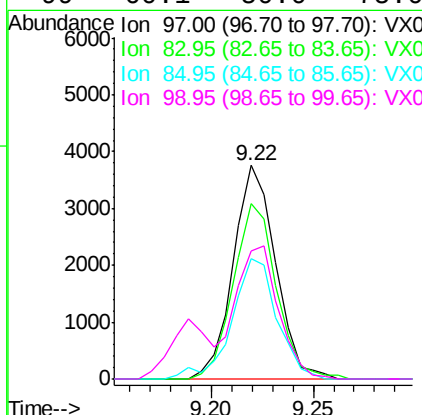
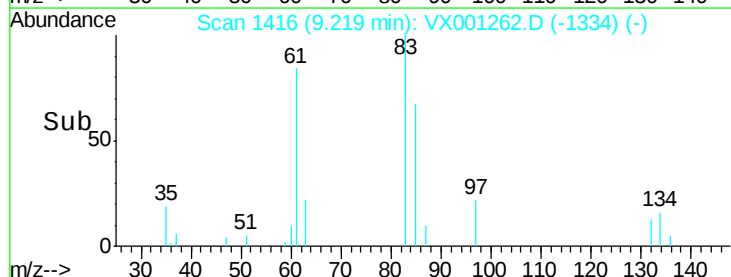
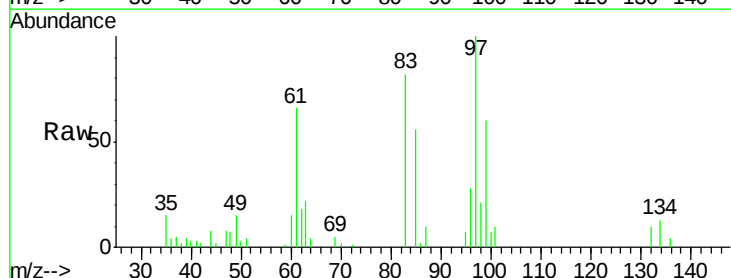
Manual Integrations
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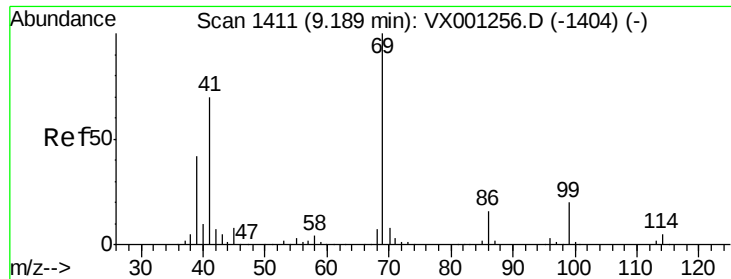
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#50
 1,1,2-Trichloroethane
 Concen: 2.51 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	66.9	100.3
85	56.1	44.4	66.6
99	60.1	50.0	75.0





#51

Ethyl methacrylate

Concen: 2.25 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

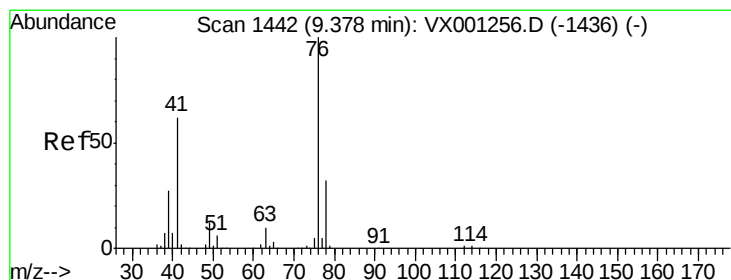
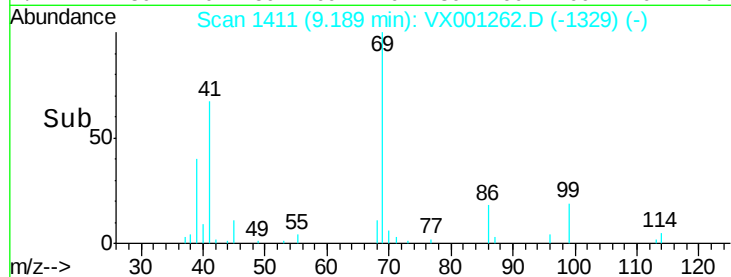
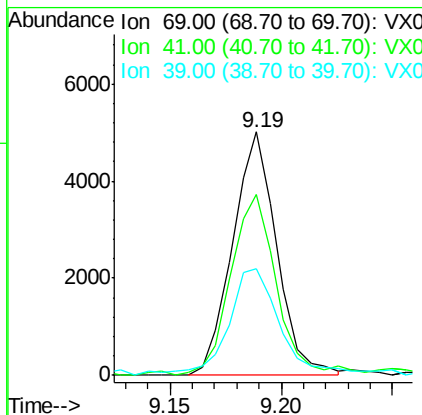
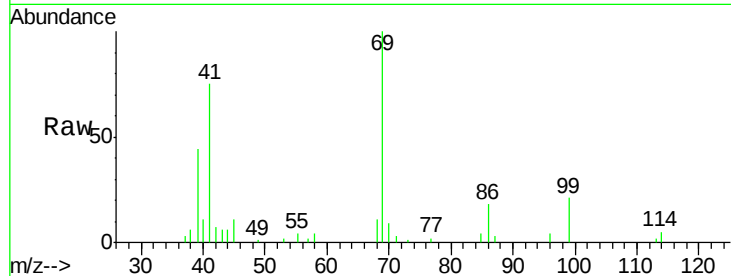
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	69	Resp:	6911
Ion	Ratio	Lower	Upper
69	100		
41	73.2	32.1	96.3
39	41.6	19.6	58.7

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#52

1,3-Dichloropropane

Concen: 2.62 ug/l

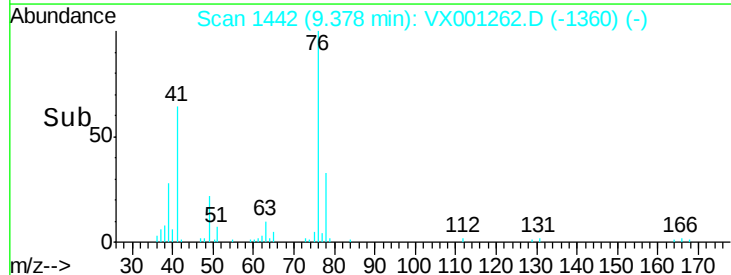
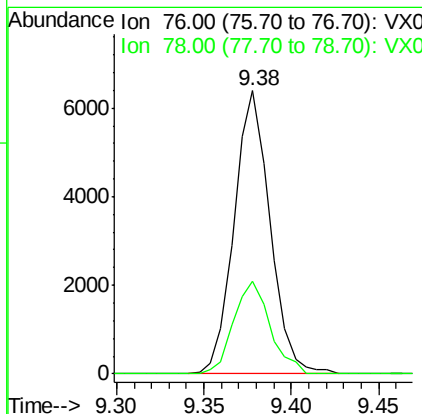
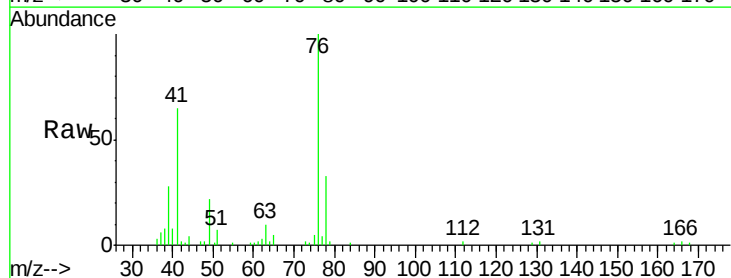
RT: 9.38 min Scan# 1442

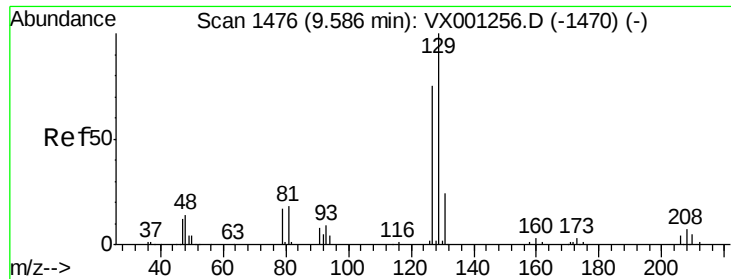
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	76	Resp:	9130
Ion	Ratio	Lower	Upper
76	100		
78	33.3	0.0	65.0





#53

Dibromochloromethane

Concen: 1.91 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:129 Resp: 4538

Ion Ratio Lower Upper

129 100

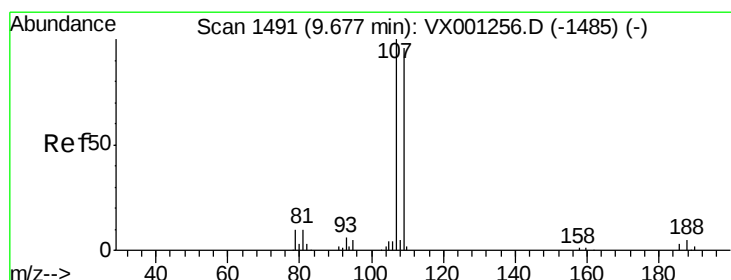
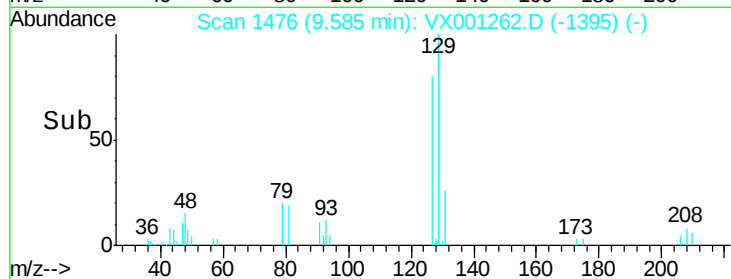
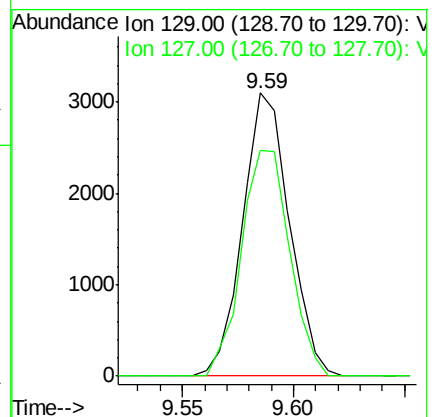
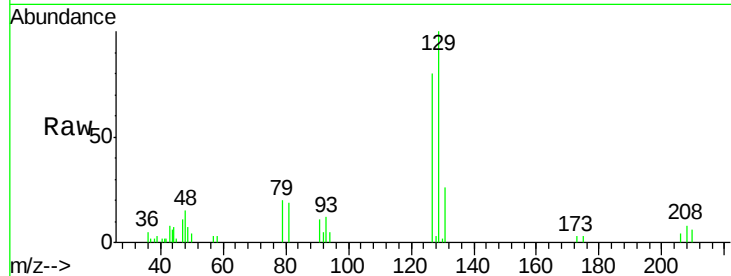
127 82.4 37.5 112.5

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#54

1,2-Dibromoethane

Concen: 2.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001262.D

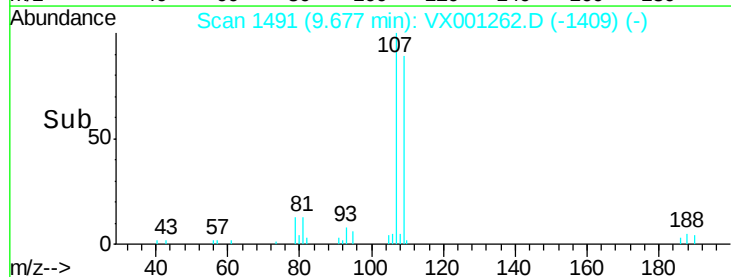
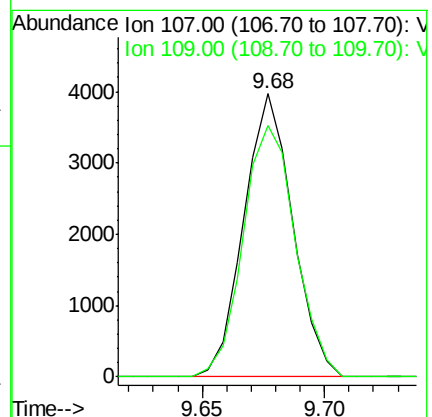
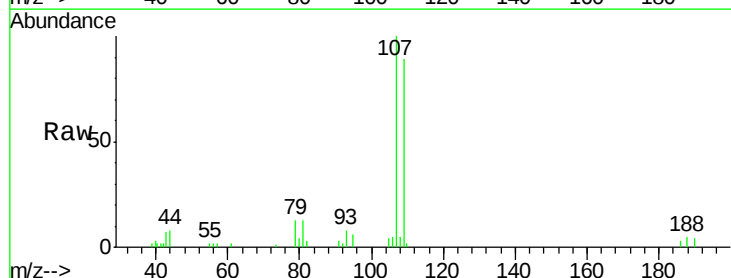
Acq: 30 Apr 2018 19:14

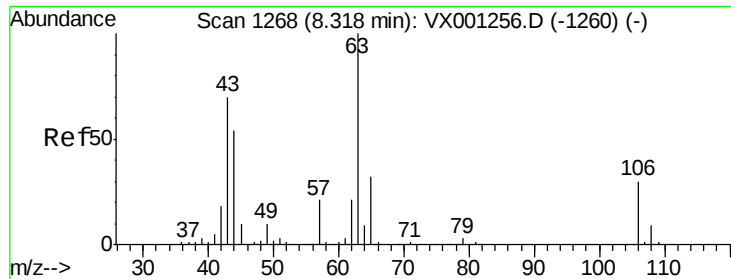
Tgt Ion:107 Resp: 5541

Ion Ratio Lower Upper

107 100

109 94.5 74.5 111.7





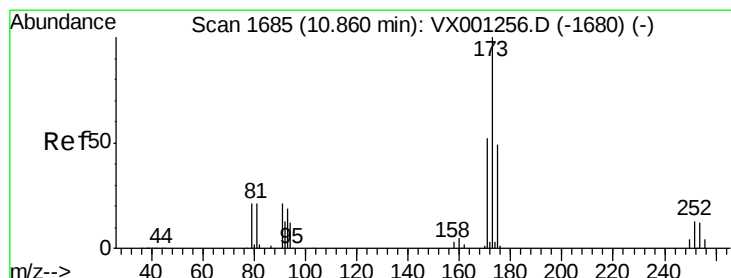
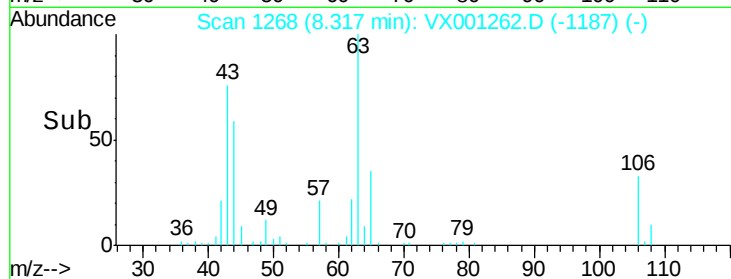
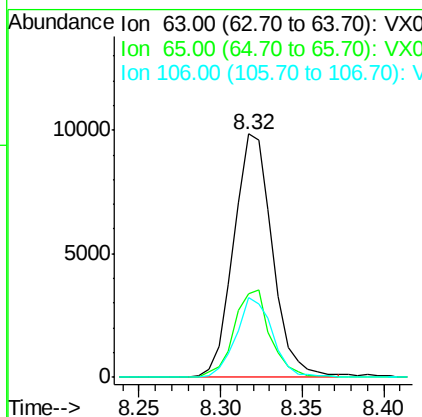
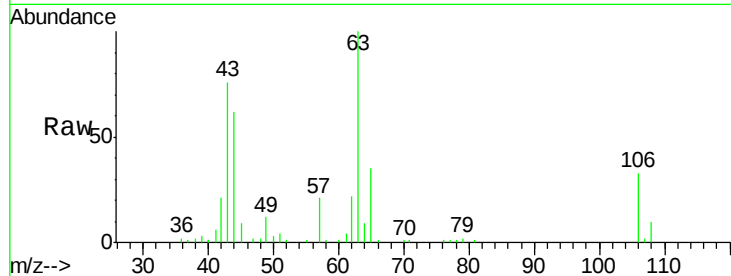
#55
2-Chloroethyl vinyl ether
Concen: 10.83 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.6	25.8	38.8
106	30.6	23.8	35.6

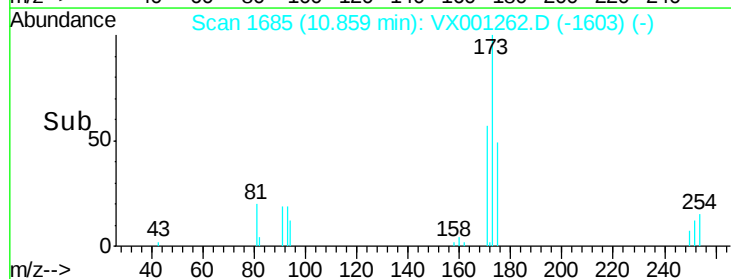
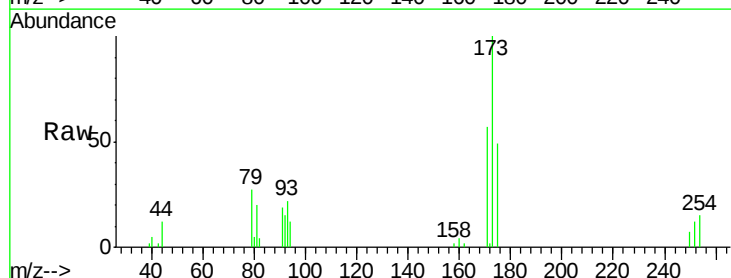
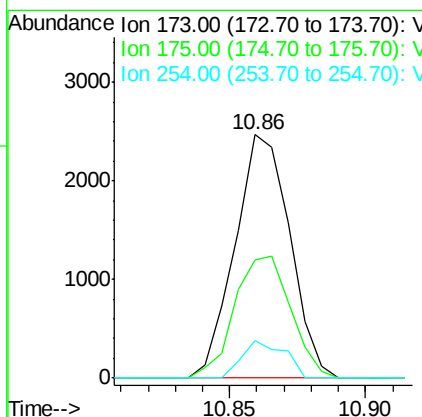
Manual Integrations
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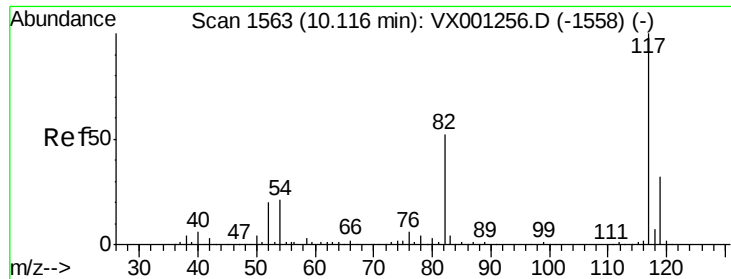
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#56
Bromoform
Concen: 1.77 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.6	39.0	58.4
254	11.9	7.0	10.4





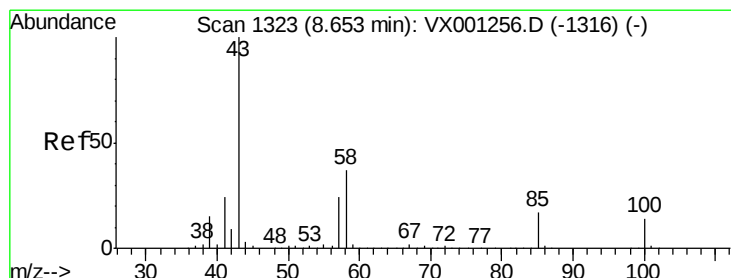
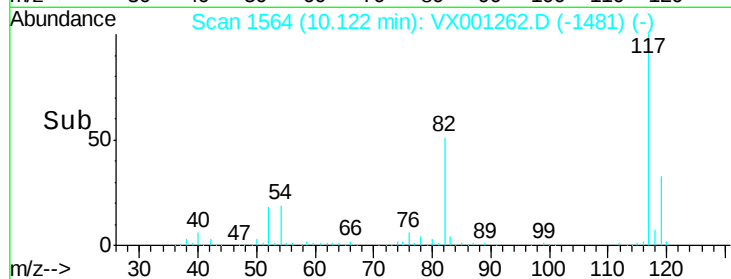
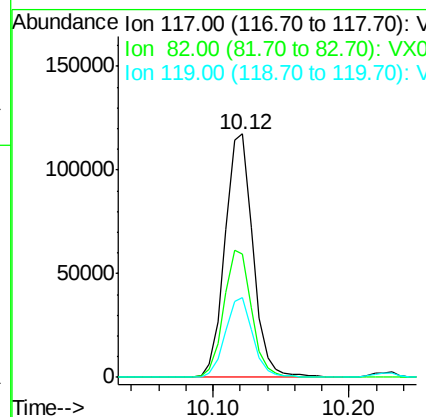
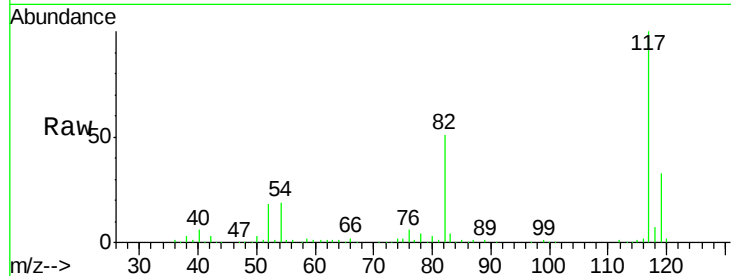
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.0	64.4
119	32.3	25.8	38.8

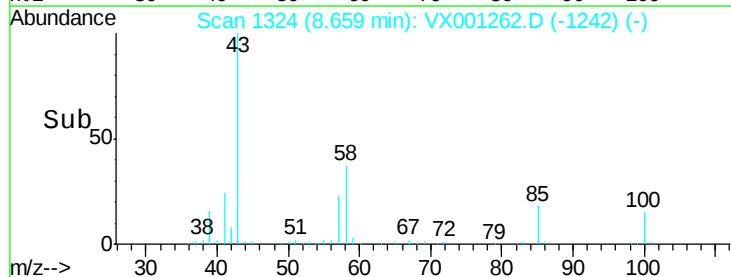
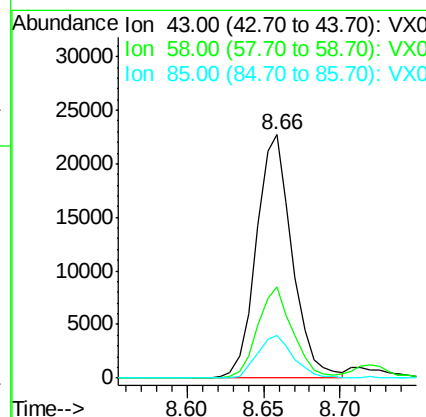
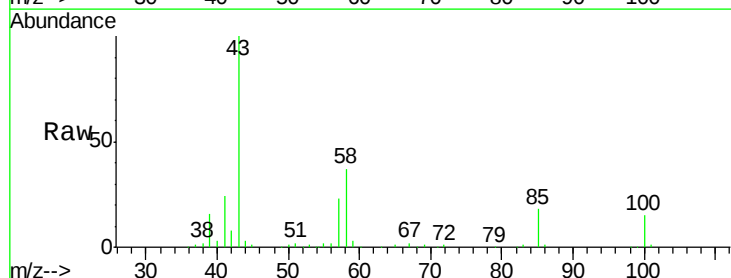
Manual Integrations
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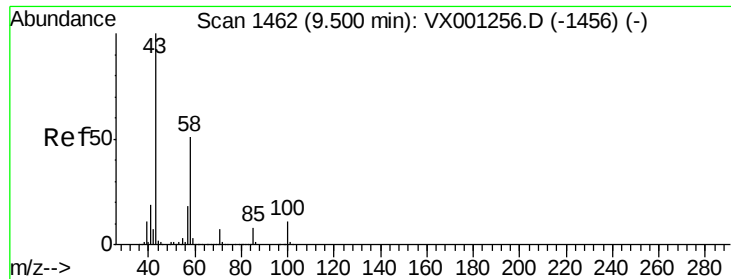
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#58
4-Methyl-2-Pentanone
Concen: 13.33 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.8
85	17.6	14.9	22.3





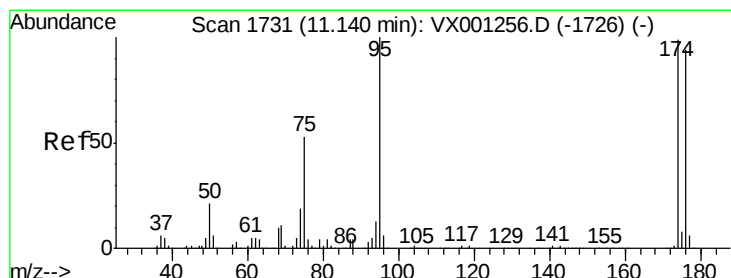
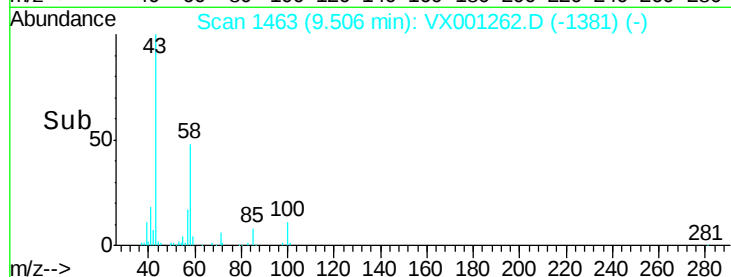
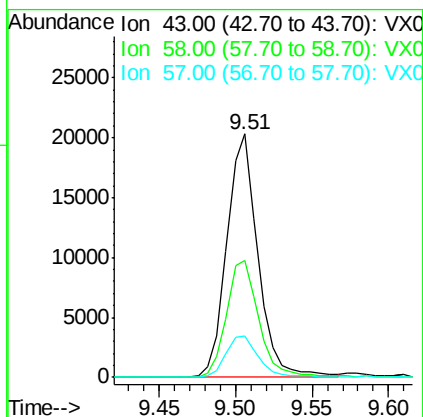
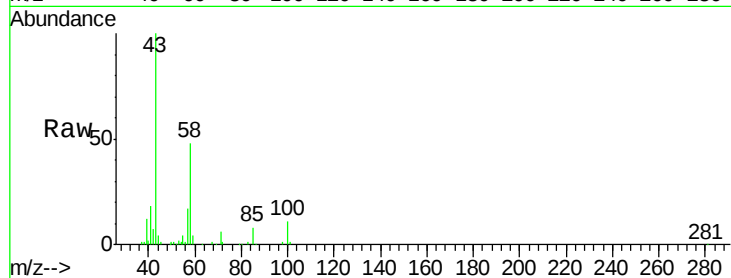
#59
2-Hexanone
Concen: 13.13 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	43.0	64.6
57	17.9	14.4	21.6

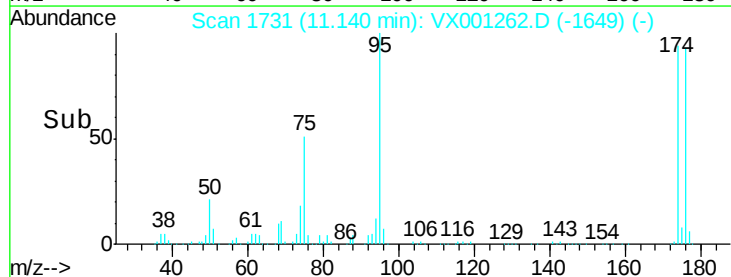
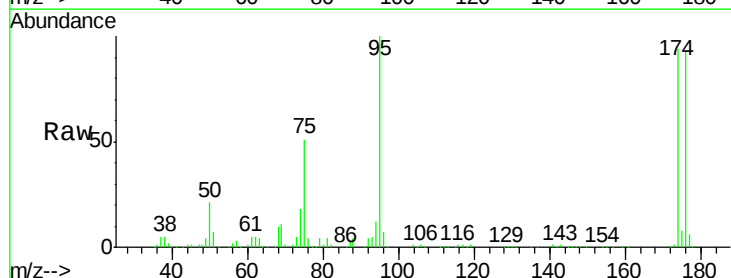
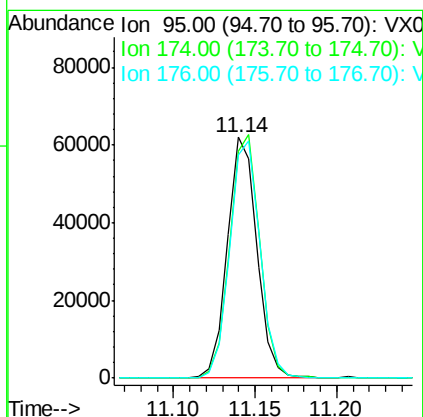
Manual Integrations
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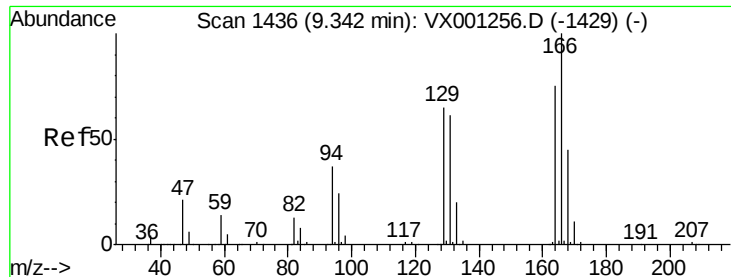
MMDadoda
5/2/2018 11:08:07 AM



#60
4-Bromofluorobenzene
Concen: 27.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.7	71.1	106.7
176	100.7	69.3	103.9





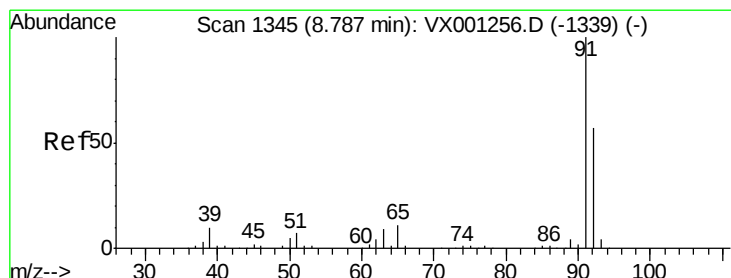
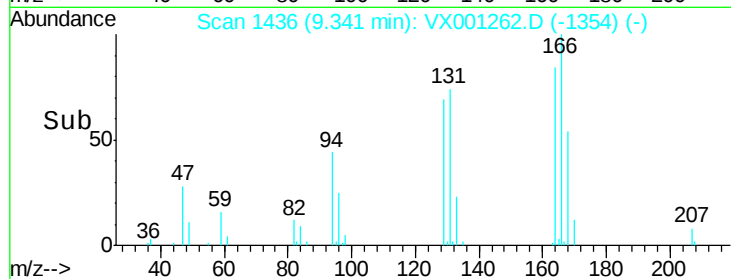
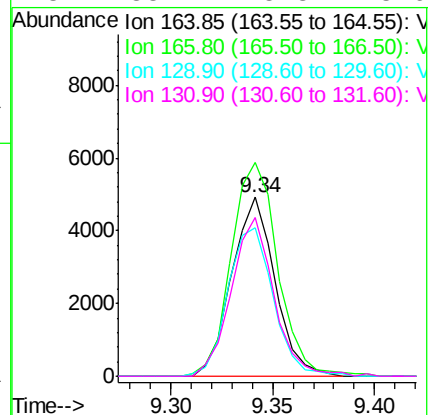
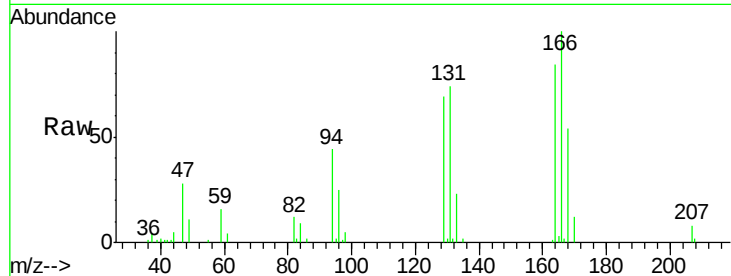
#61
Tetrachloroethene
Concen: 2.82 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	118.2	99.0	148.4
129	81.6	77.0	115.6
131	88.7	75.8	113.6

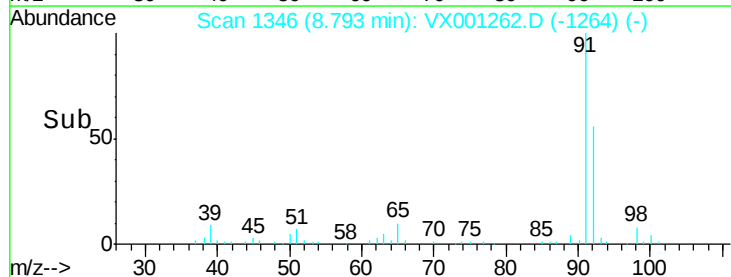
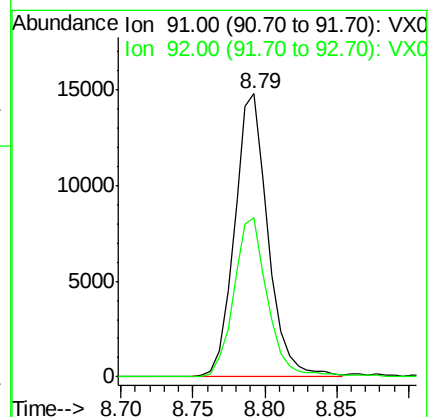
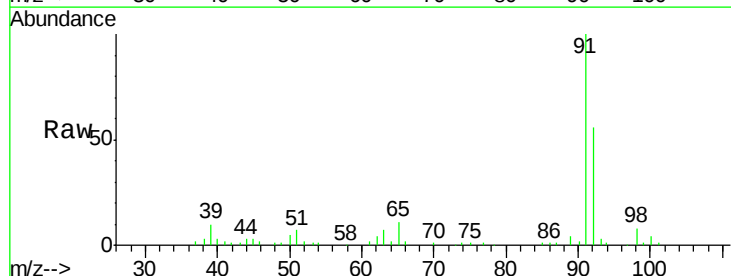
Manual Integrations
APPROVED

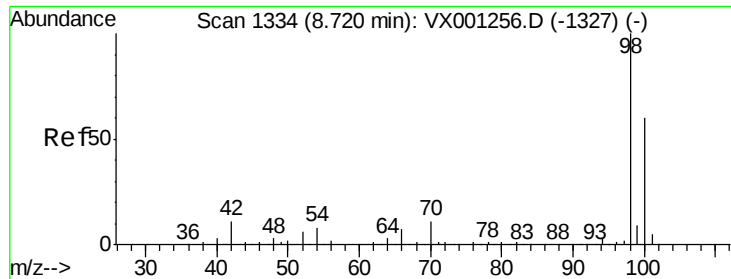
MMDadoda
5/2/2018 11:08:07 AM



#62
Toluene
Concen: 2.66 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.4	68.0





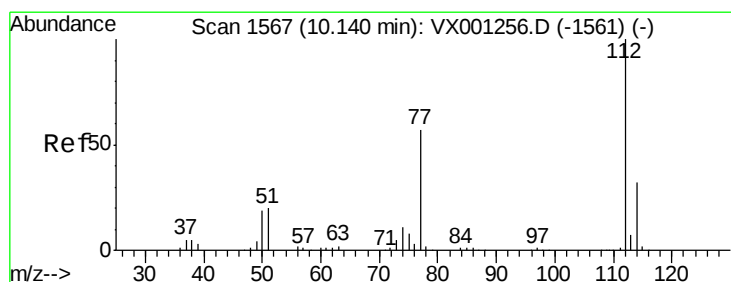
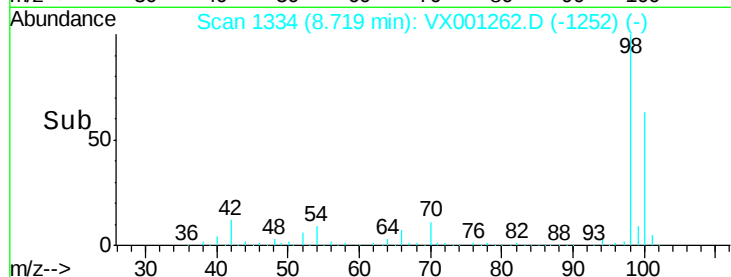
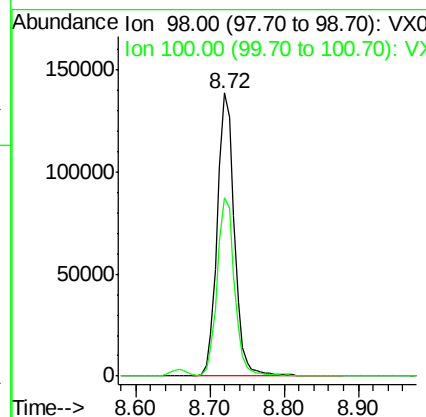
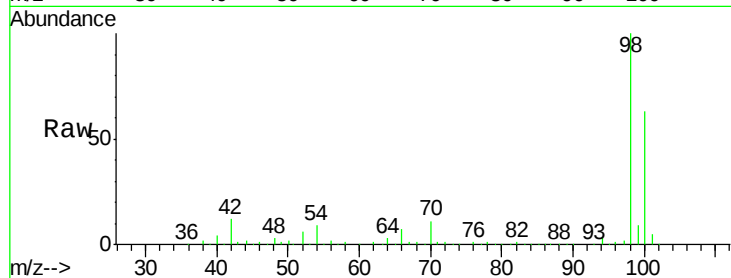
#63
Toluene-d8
Concen: 30.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion: 98 Resp: 220448
Ion Ratio Lower Upper
98 100
100 63.0 50.0 75.0

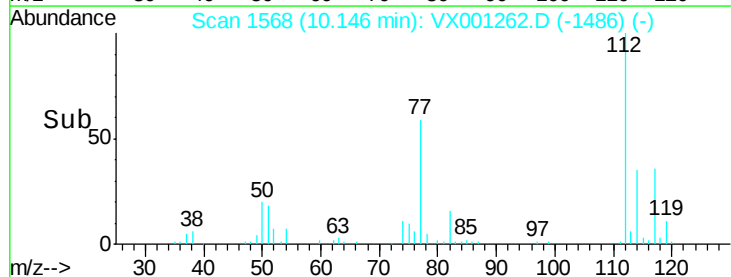
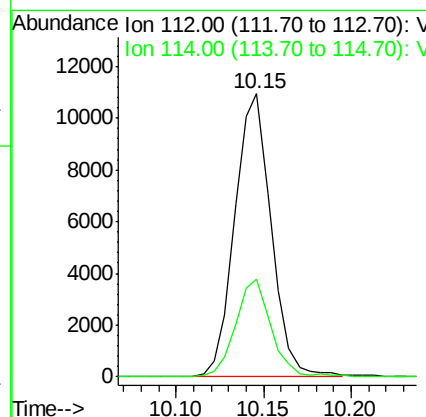
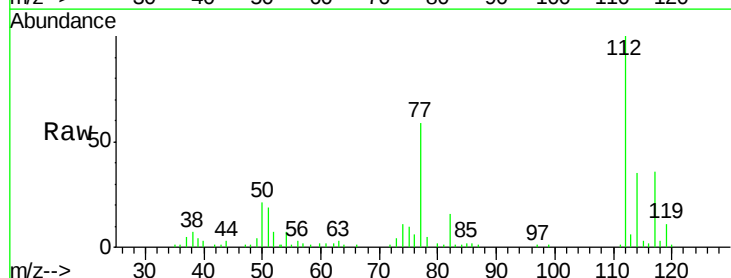
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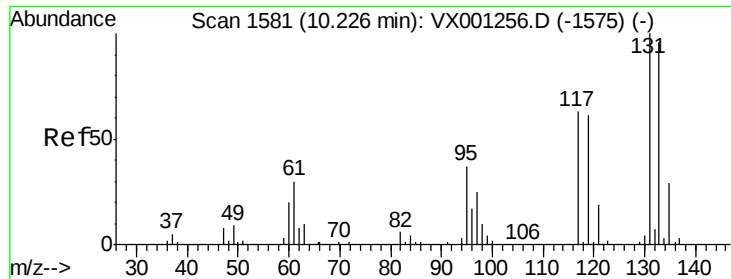
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#64
Chlorobenzene
Concen: 2.62 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion: 112 Resp: 15883
Ion Ratio Lower Upper
112 100
114 34.6 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 2.20 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

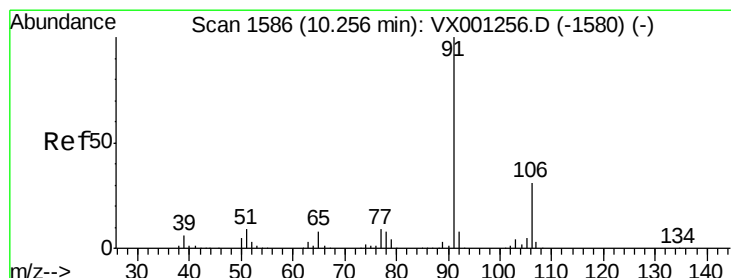
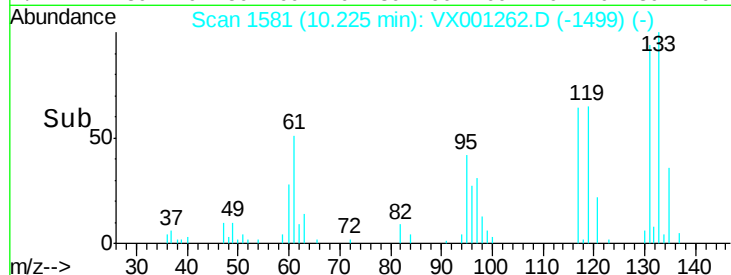
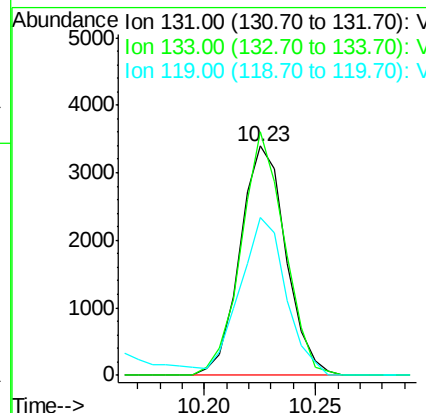
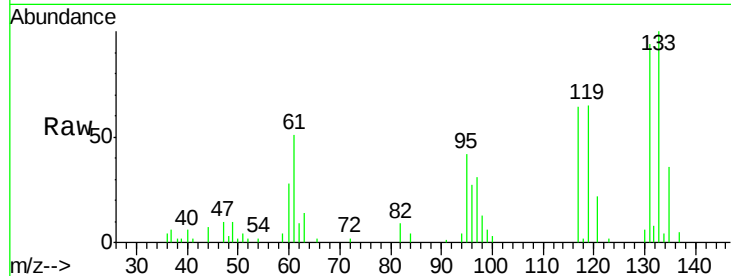
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	131	Resp:	4877
Ion	Ratio	Lower	Upper
131	100		
133	100.3	0.0	187.6
119	68.8	0.0	134.0

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#66

Ethyl Benzene

Concen: 2.52 ug/l

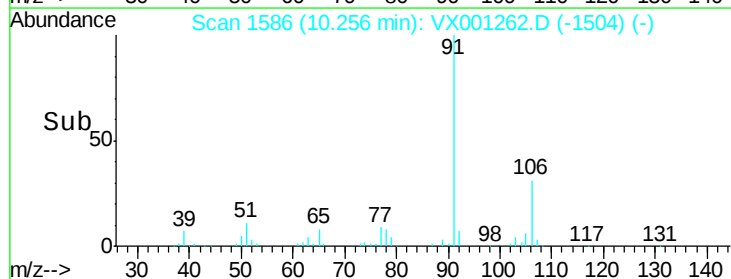
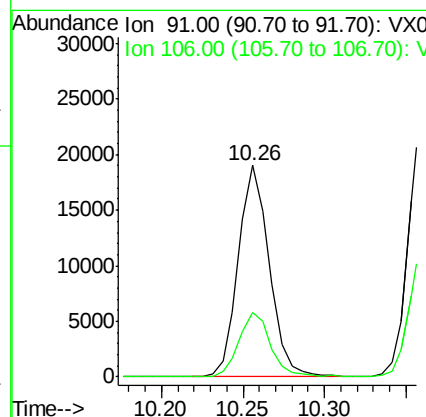
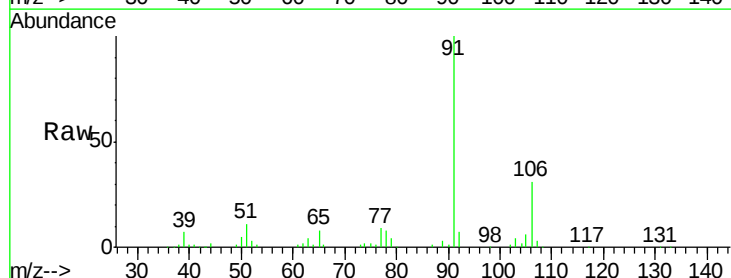
RT: 10.26 min Scan# 1586

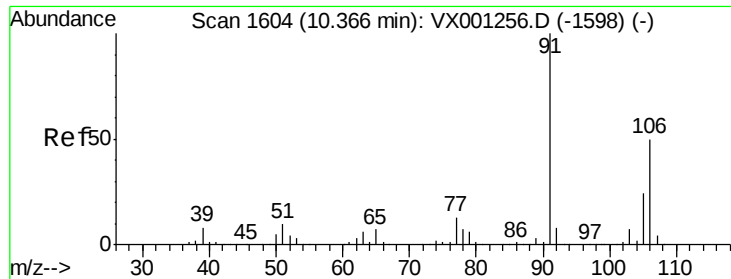
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	91	Resp:	25263
Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.9	38.9





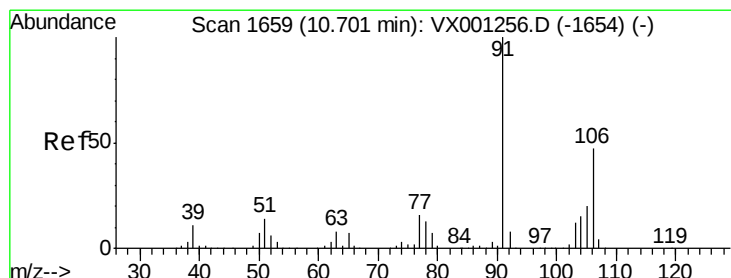
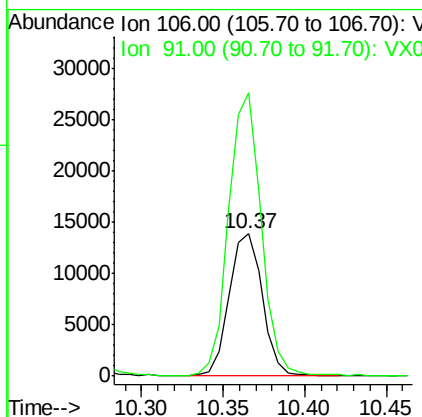
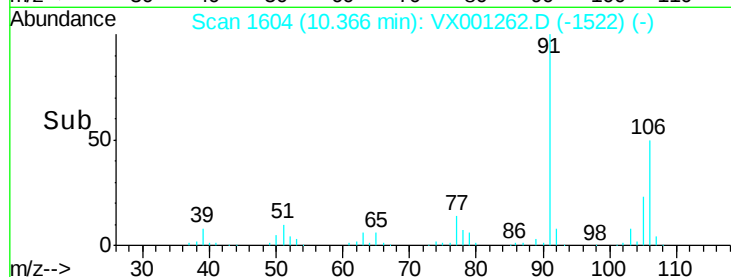
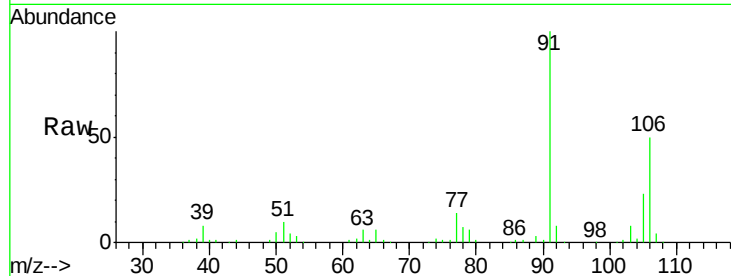
#67
m/p-Xylenes
Concen: 4.94 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion:106 Resp: 19702
Ion Ratio Lower Upper
106 100
91 196.0 161.6 242.4

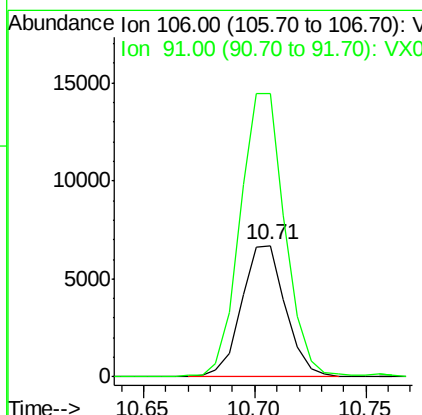
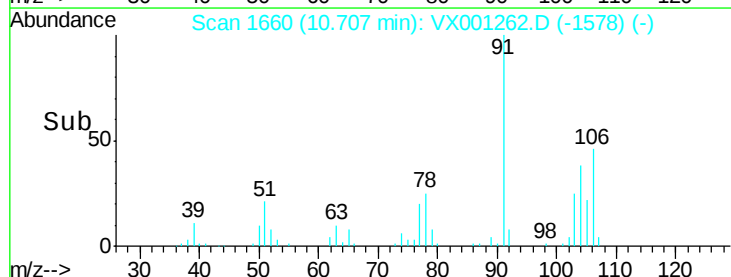
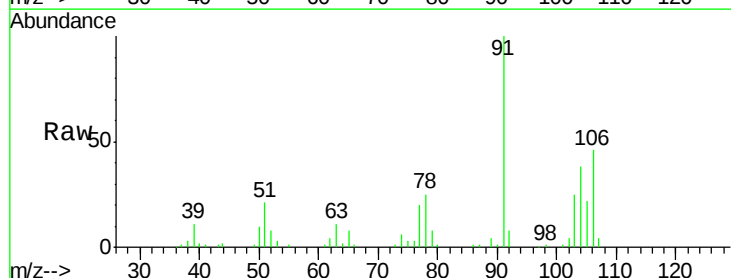
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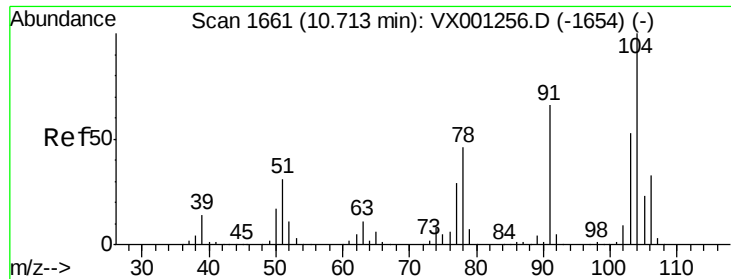
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#68
o-Xylene
Concen: 2.39 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion:106 Resp: 9220
Ion Ratio Lower Upper
106 100
91 220.1 105.6 316.8





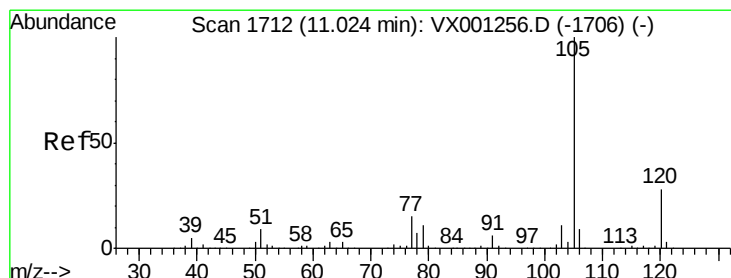
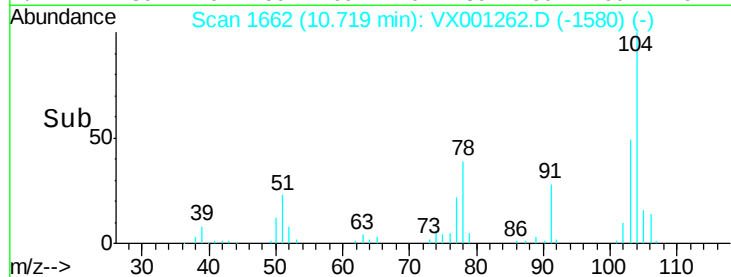
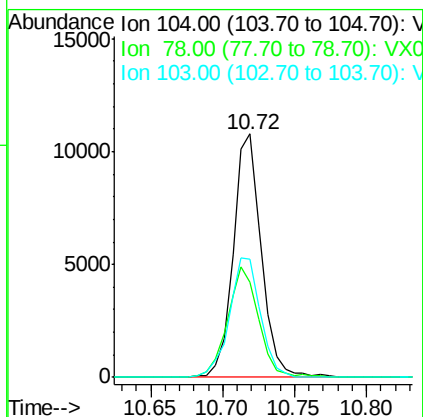
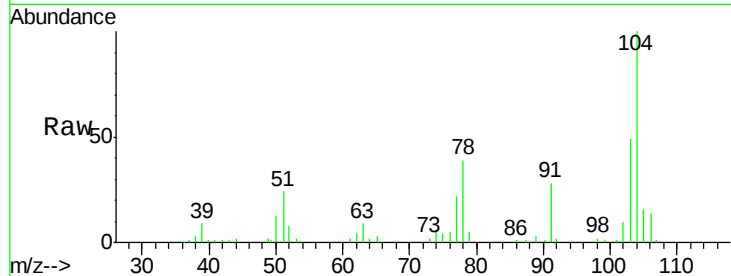
#69
Stvrene
Concen: 2.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.0	58.4
103	54.6	44.7	67.1

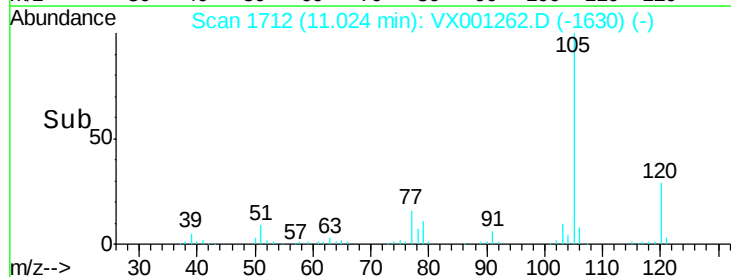
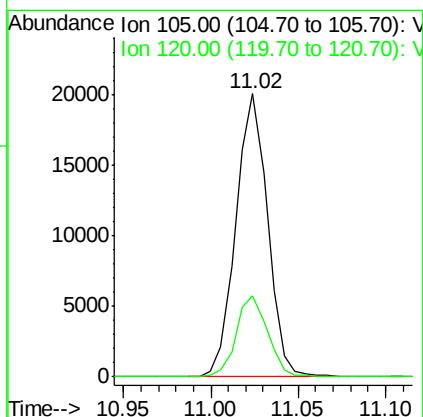
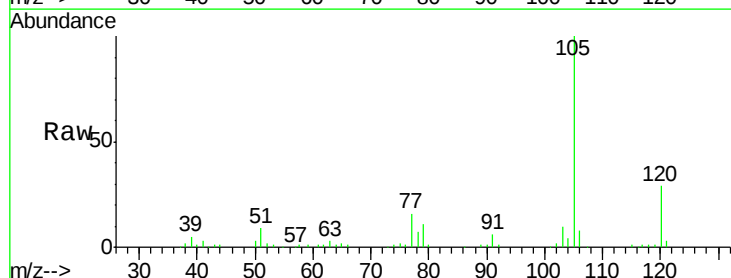
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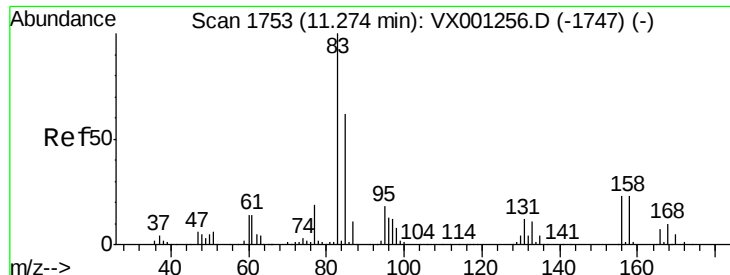
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#70
Isopropylbenzene
Concen: 2.44 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	18.8	35.0





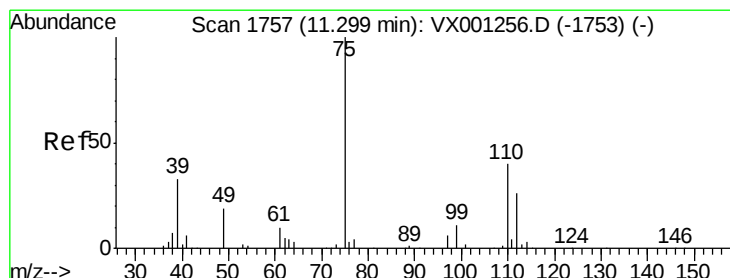
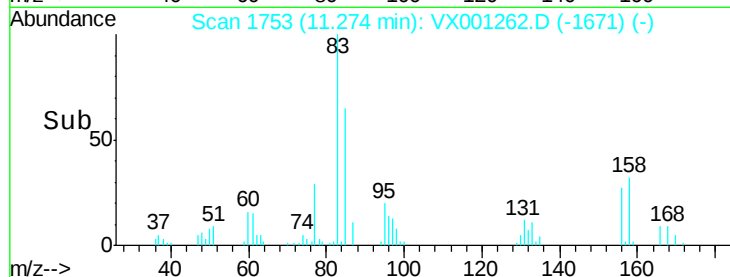
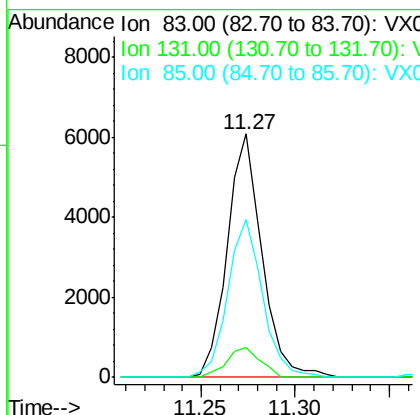
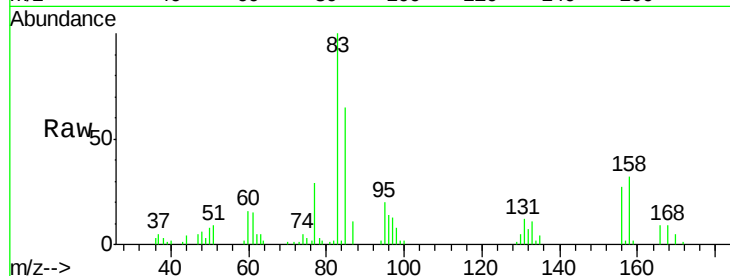
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.52 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	83	Resp	7723
Ion Ratio	100	Lower	Upper
83	100		
131	12.1	5.3	16.1
85	65.4	32.5	97.5

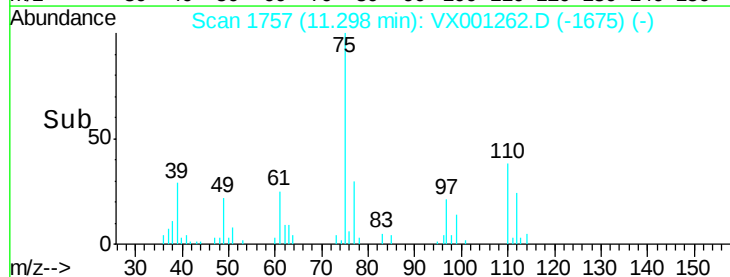
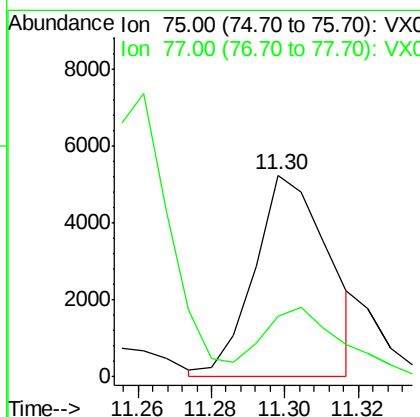
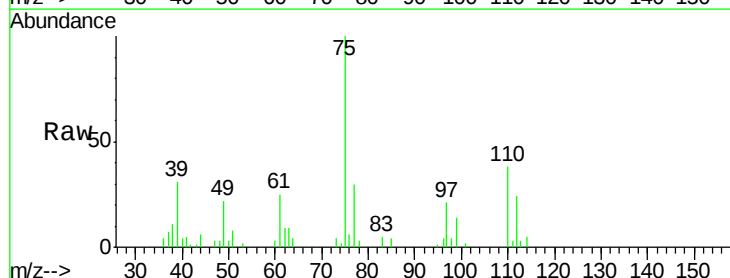
Manual Integrations
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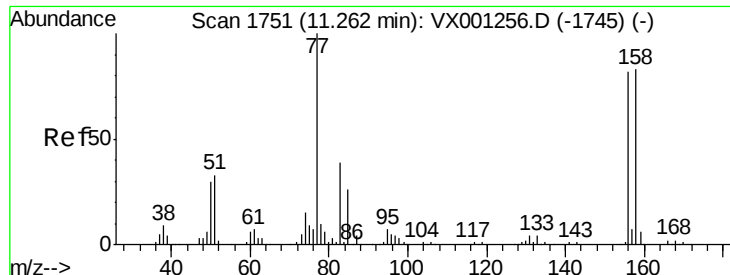
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#72
 1,2,3-Trichloropropane
 Concen: 2.67 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	75	Resp	7341
Ion Ratio	100	Lower	Upper
75	100		
77	37.3	0.0	85.8





#73

Bromobenzene

Concen: 2.43 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

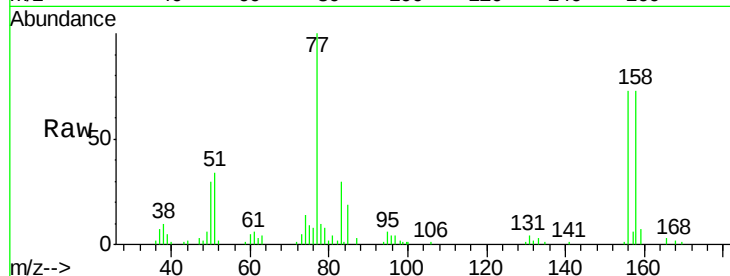
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

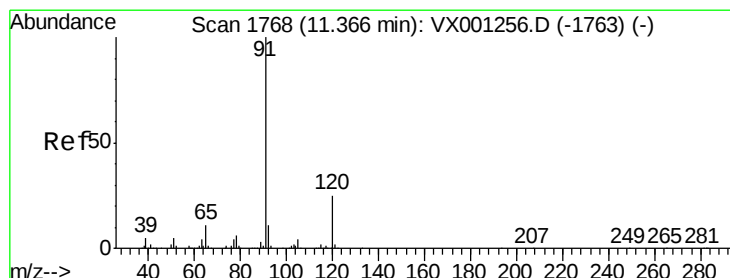
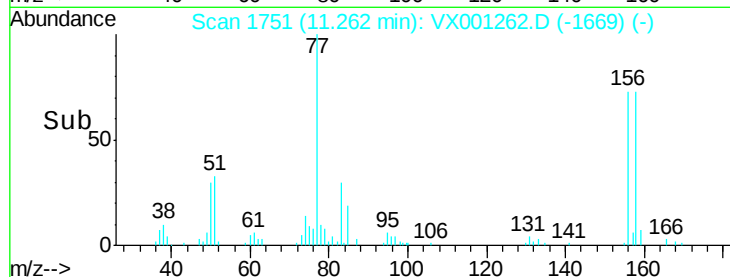
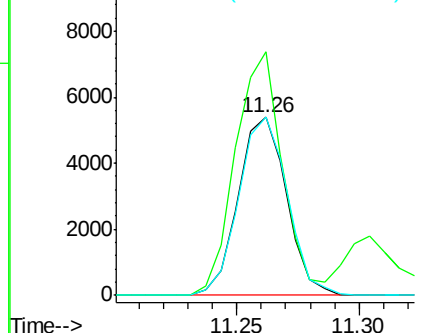
Tot Ion:	156	Resp:	7405
Ion	Ratio	Lower	Upper
156	100		
77	134.0	0.0	280.2
158	101.4	0.0	197.2

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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: 2.27 ug/l

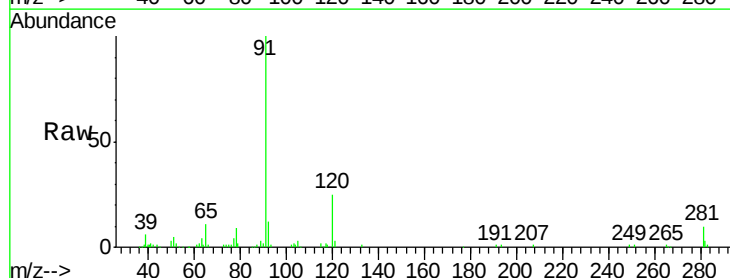
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

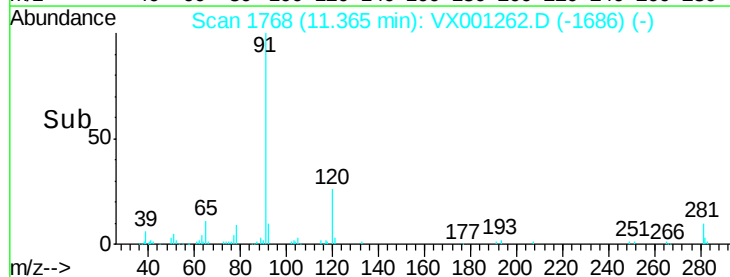
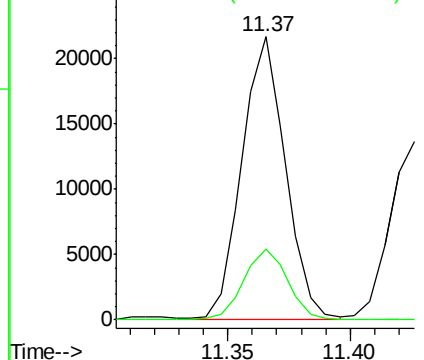
Lab File: VX001262.D

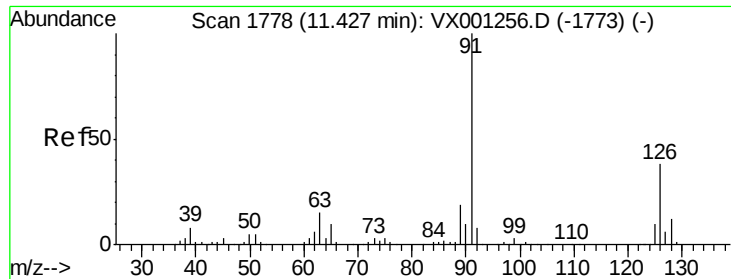
Acq: 30 Apr 2018 19:14

Tgt Ion:	91	Resp:	26891
Ion	Ratio	Lower	Upper
91	100		
120	25.2	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: 2.43 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion: 91 Resp: 17327

Ion Ratio Lower Upper

91 100

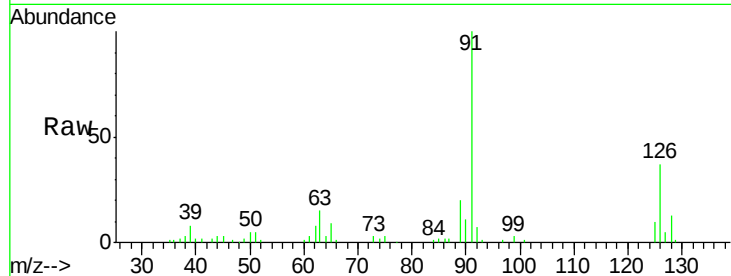
126 38.1 0.0 71.4

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

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

25000

20000

15000

10000

5000

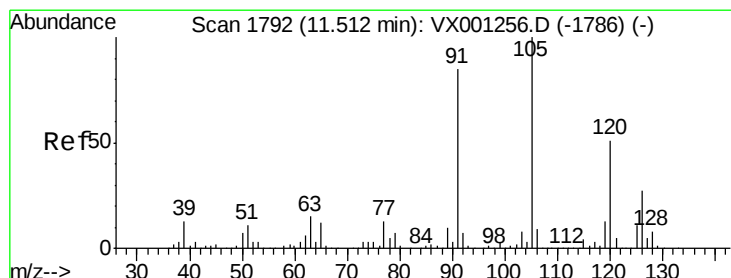
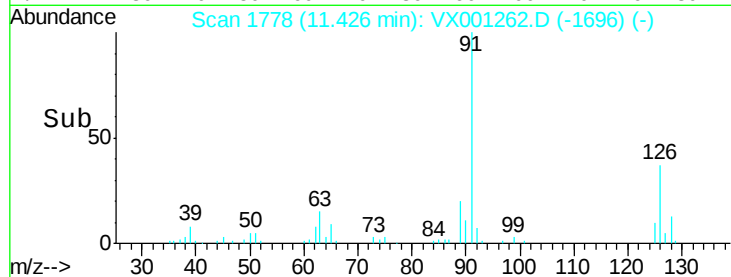
0

11.40

11.43

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 2.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001262.D

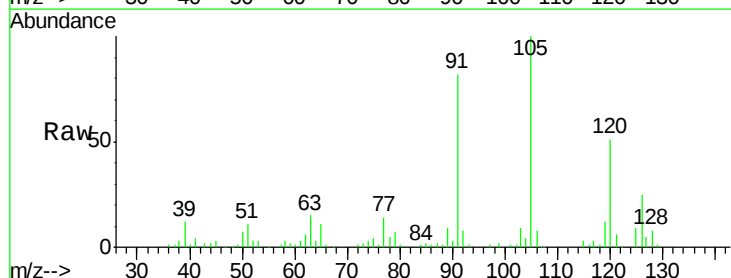
Acq: 30 Apr 2018 19:14

Tgt Ion: 105 Resp: 20733

Ion Ratio Lower Upper

105 100

120 49.9 0.0 63.8



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

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

20000

15000

10000

5000

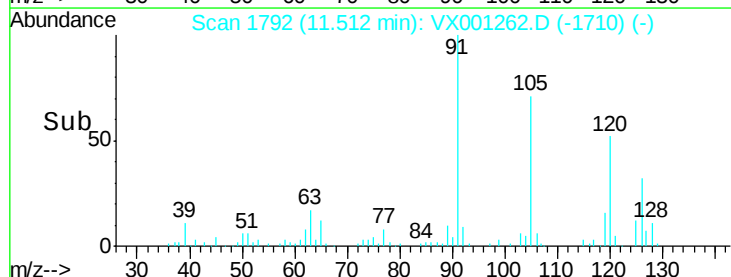
0

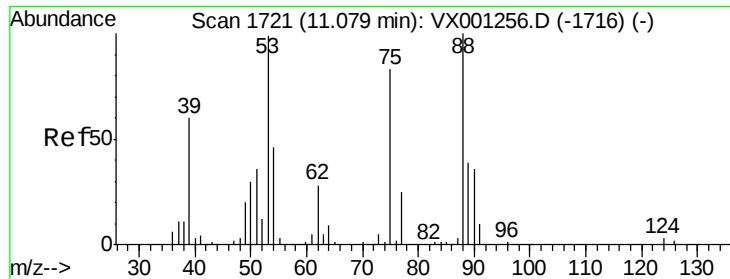
11.45

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 1.52 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

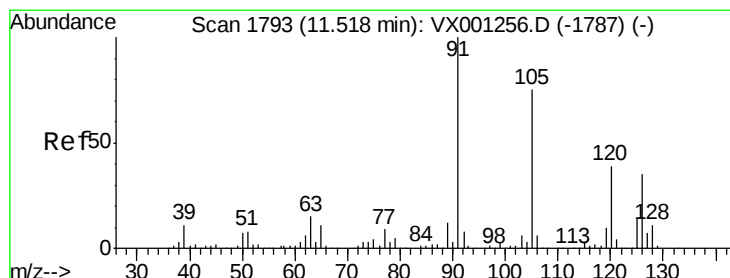
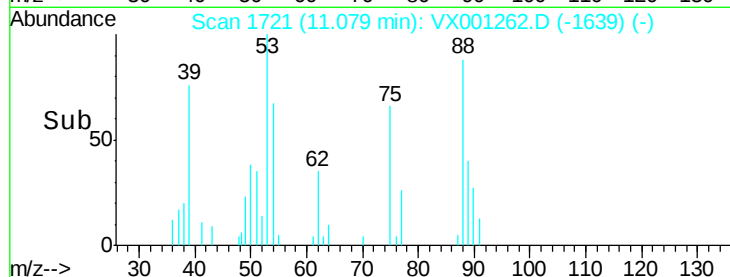
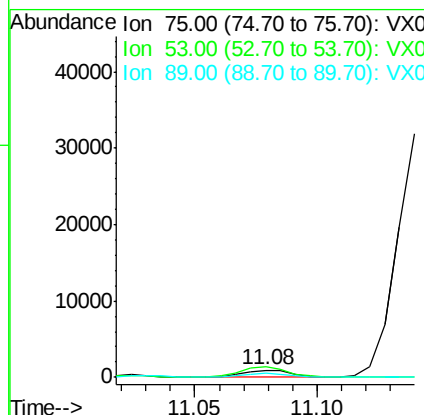
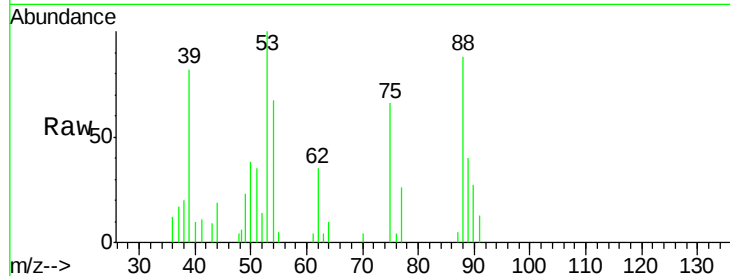
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
53	152.6	47.8	143.3#
89	60.4	22.3	66.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 2.32 ug/l

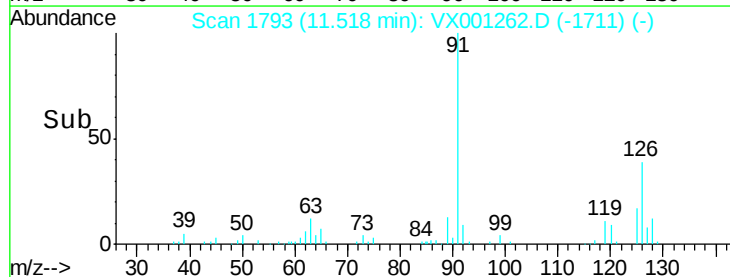
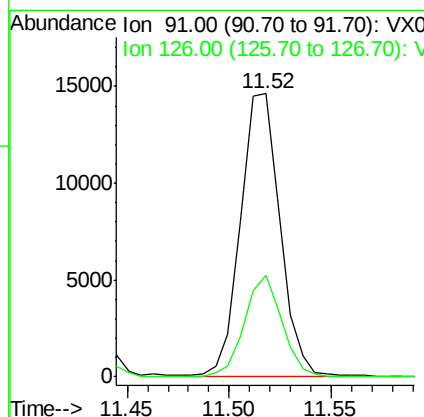
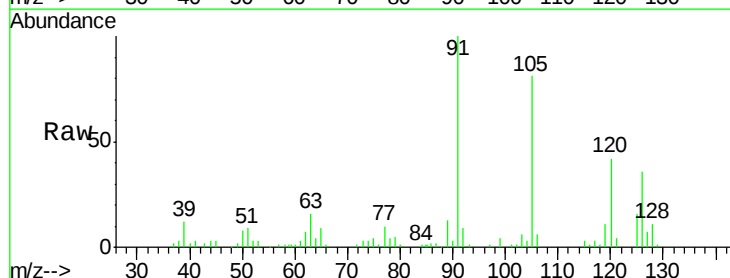
RT: 11.52 min Scan# 1793

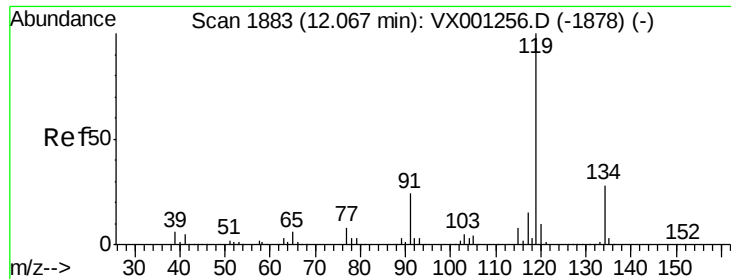
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	63.4





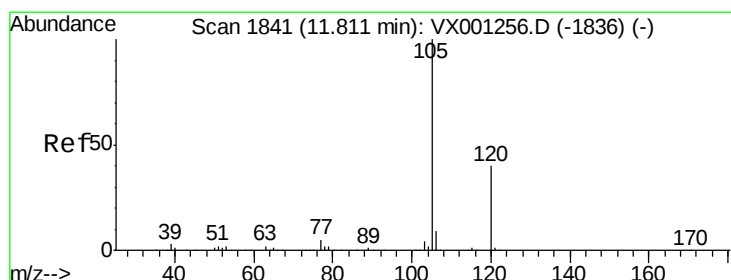
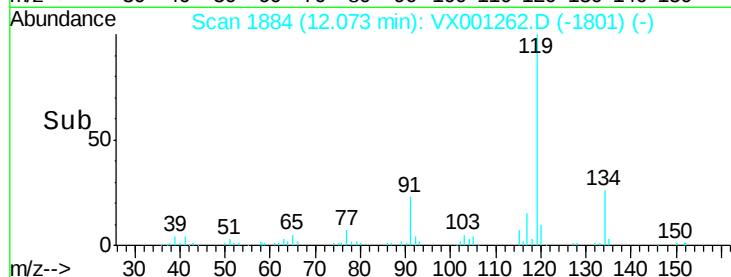
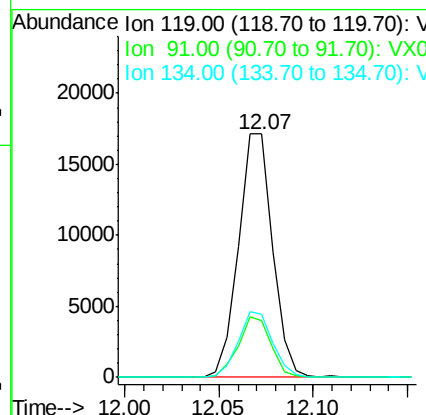
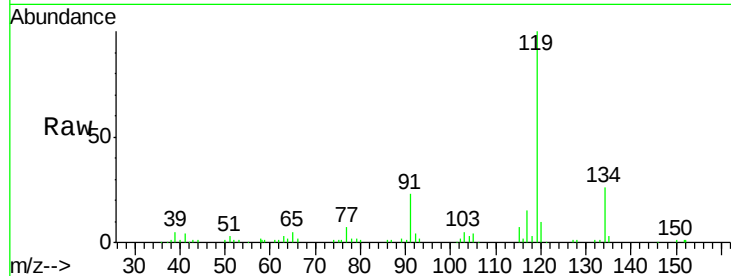
#79
tert-butylbenzene
Concen: 2.26 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	21566		
91	23.7	0.0	51.6	
134	27.0	0.0	60.2	

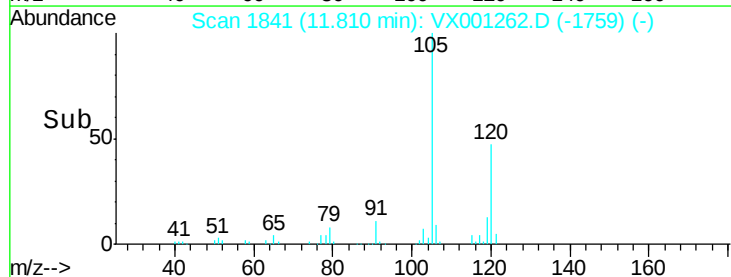
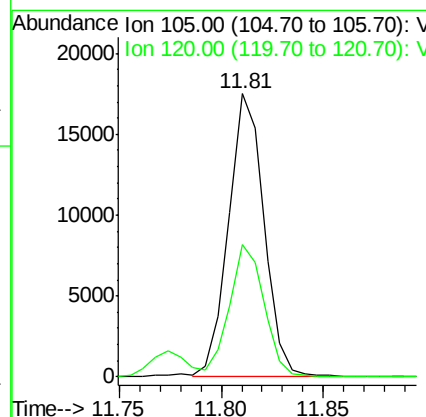
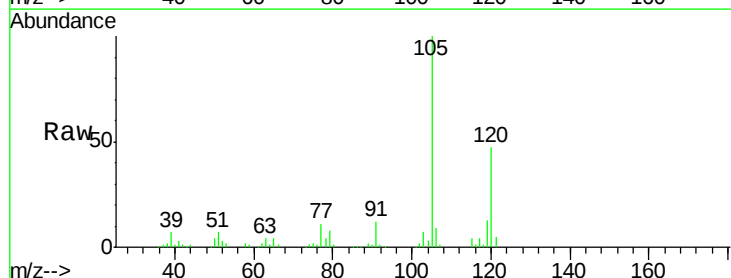
Manual Integrations
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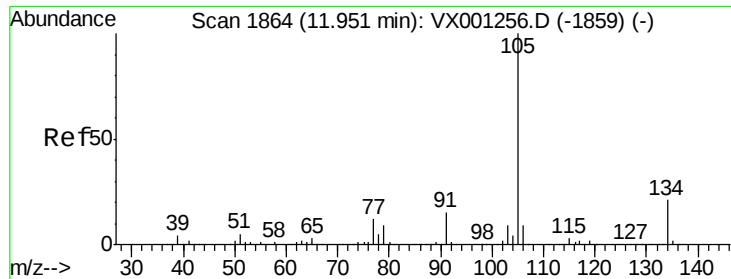
MMDadoda
5/2/2018 11:08:07 AM



#80
1,2,4-Trimethylbenzene
Concen: 2.32 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21024		
120	45.4	0.0	93.0	





#81

sec-Butylbenzene

Concen: 2.32 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:105 Resp: 24051

Ion Ratio Lower Upper

105 100

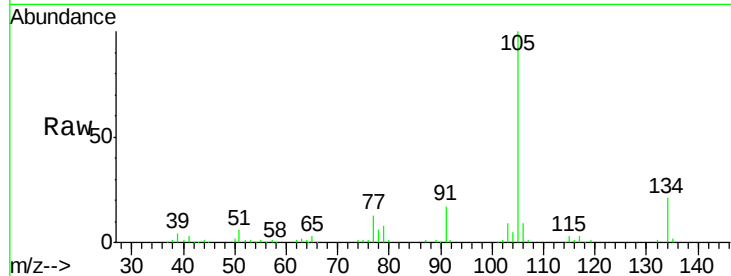
134 21.7 0.0 41.8

Manual Integrations

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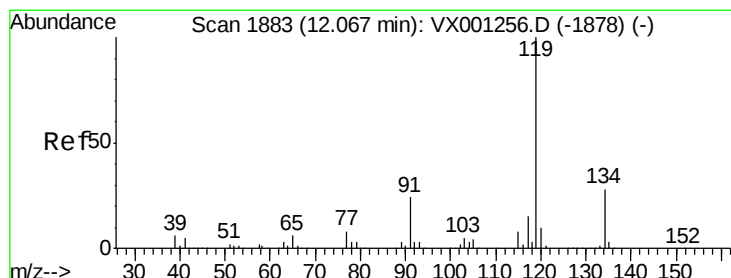
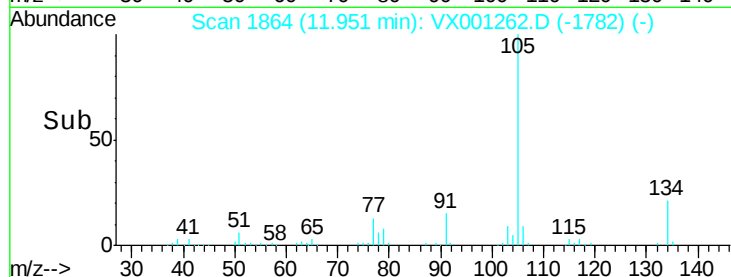
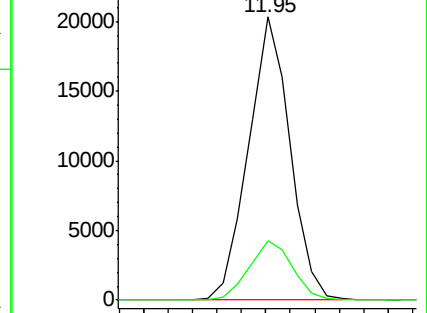
MMDadoda

5/2/2018 11:08:07 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.26 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

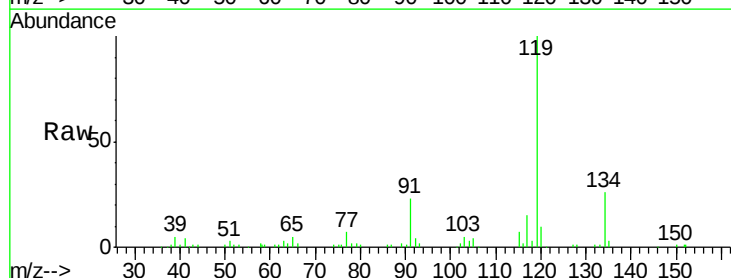
Tgt Ion:119 Resp: 21566

Ion Ratio Lower Upper

119 100

134 27.0 0.0 54.4

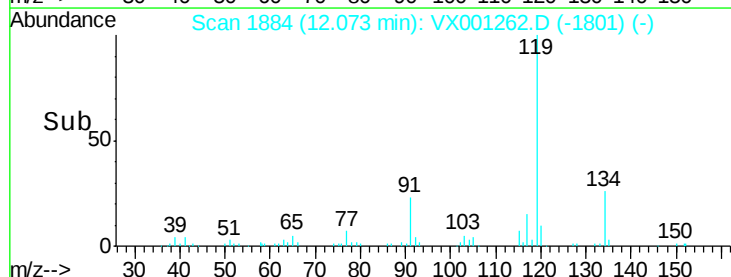
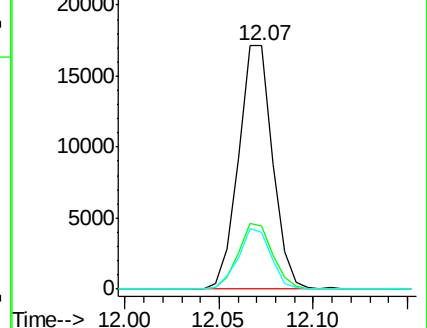
91 23.7 0.0 46.6

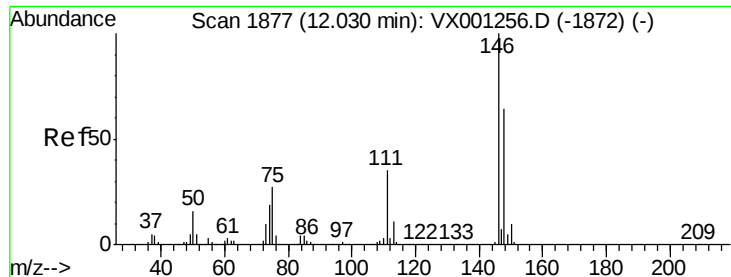


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





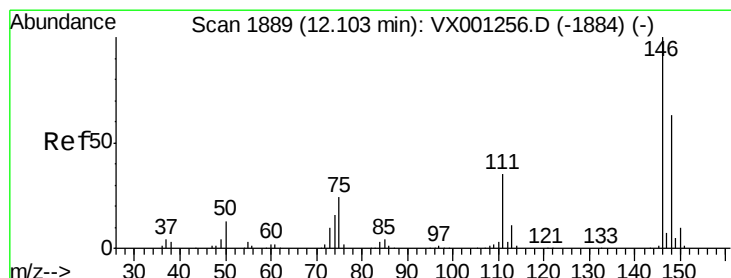
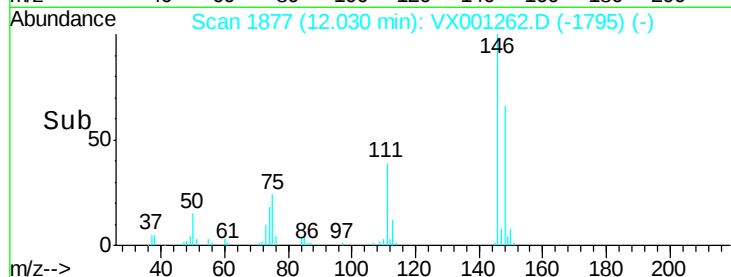
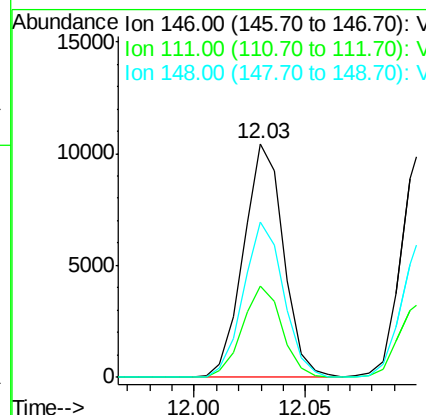
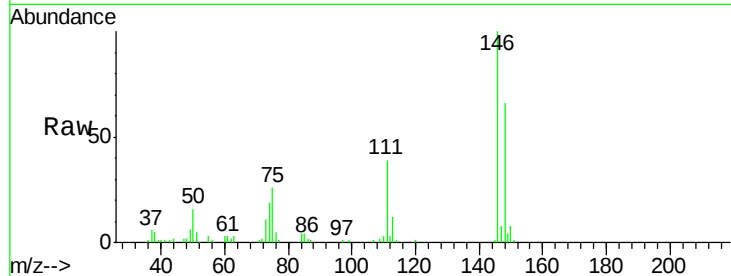
#83
 1,3-Dichlorobenzene
 Concen: 2.35 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	66.8	32.6	97.7

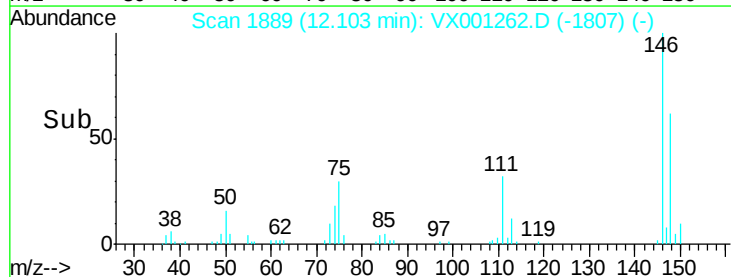
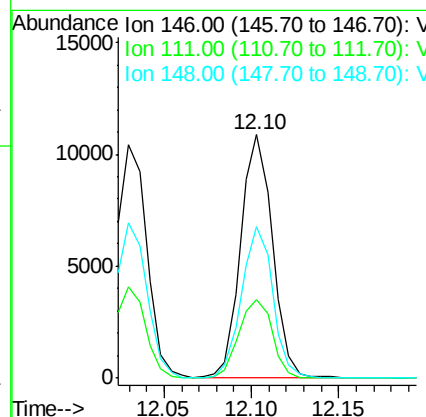
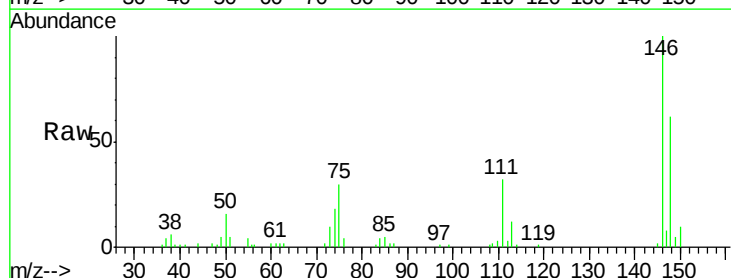
Manual Integrations
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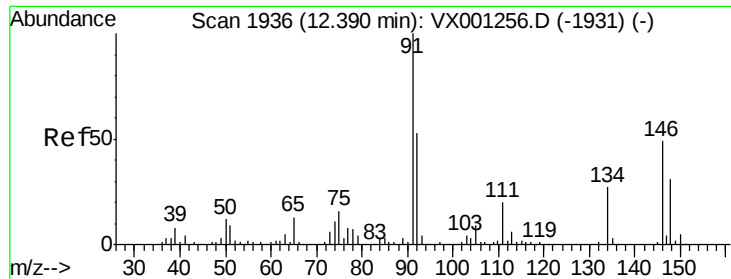
MMDadoda
 5/2/2018 11:08:07 AM



#84
 1,4-Dichlorobenzene
 Concen: 2.44 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	18.4	55.0
148	61.1	31.9	95.7





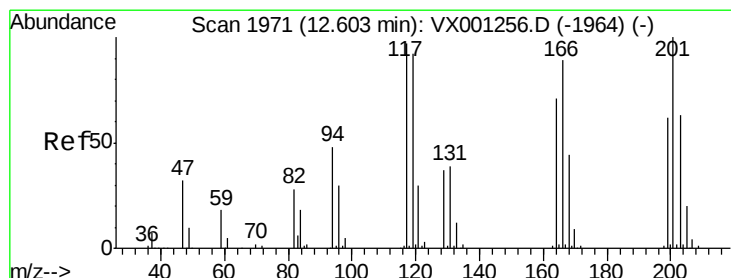
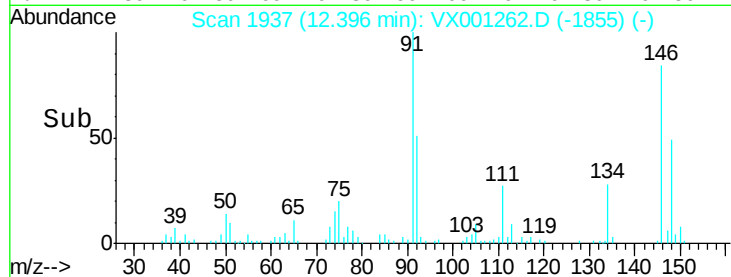
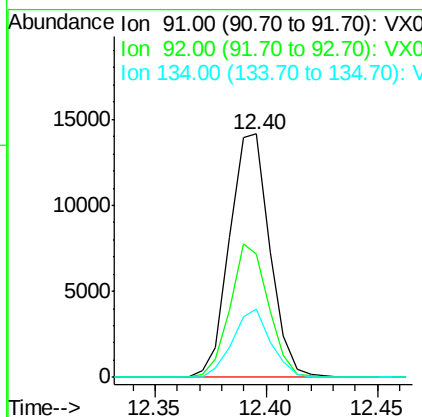
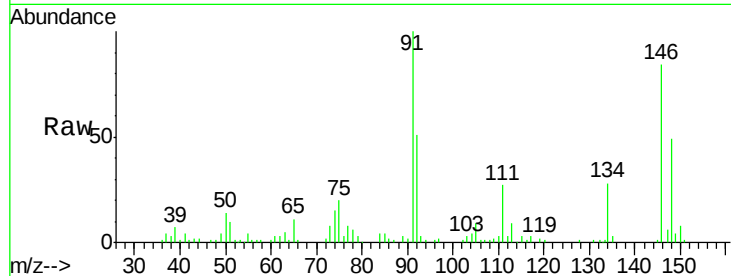
#85
n-Butylbenzene
Concen: 2.16 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
91	100	17820		
92	52.3	0.0	102.0	
134	26.5	0.0	54.2	

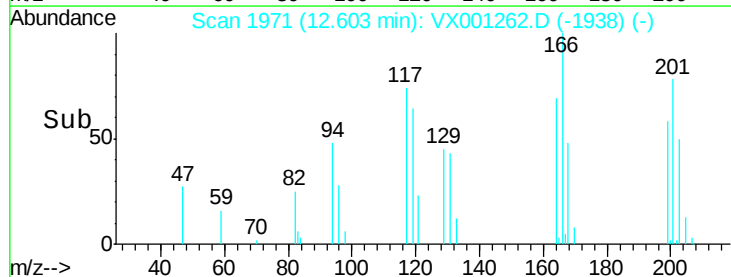
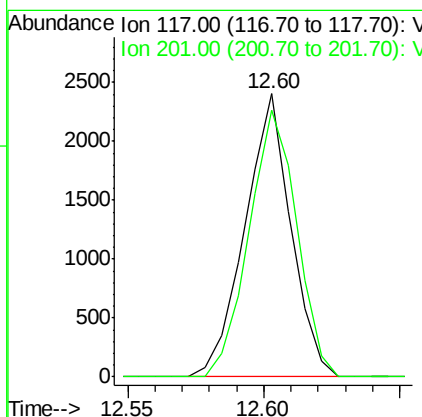
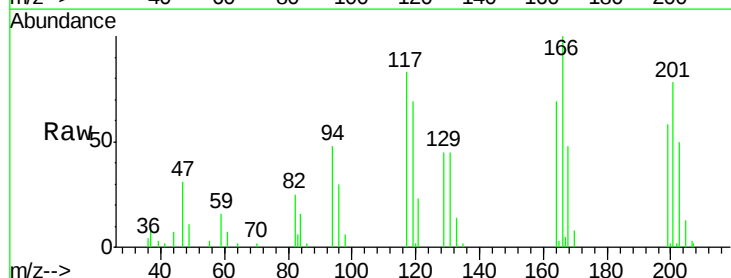
Manual Integrations
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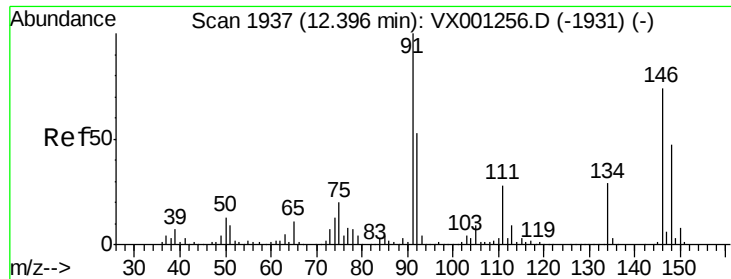
MMDadoda
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#86
Hexachloroethane
Concen: 1.93 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2814		
201	97.7	38.9	116.6	





#87

1,2-Dichlorobenzene

Concen: 2.54 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Instrument :

MSVOA_X

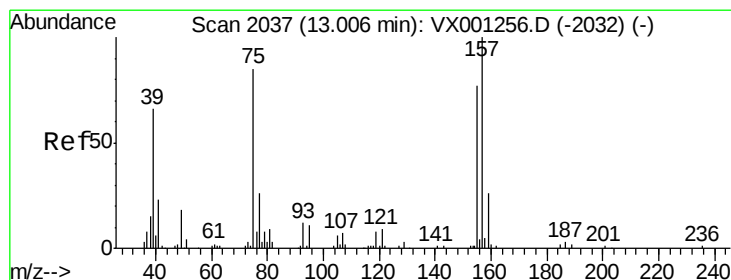
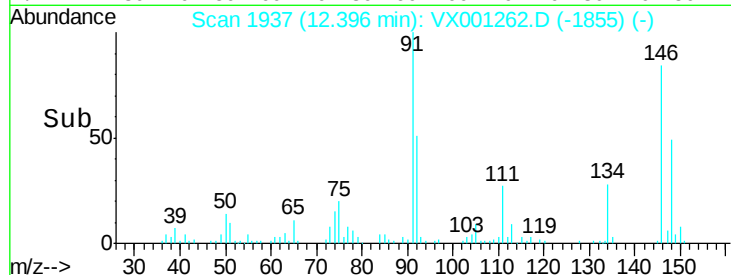
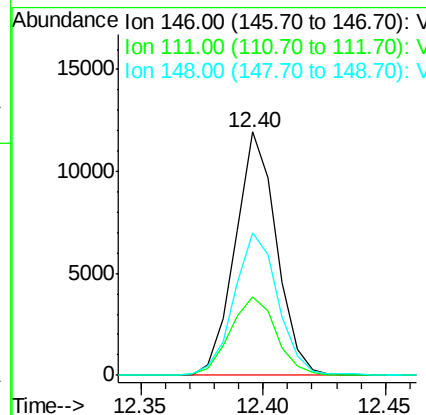
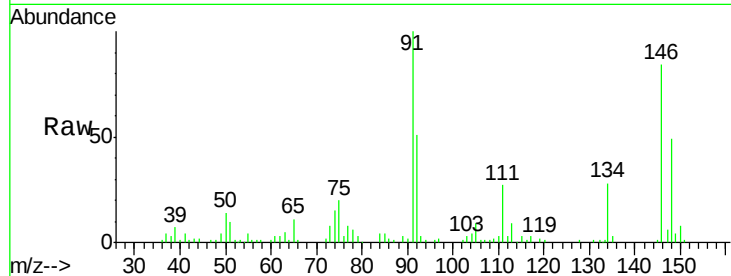
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	146	Resp:	14015
Ion Ratio	Lower	Upper	
146	100		
111	35.7	20.0	60.0
148	62.0	31.6	95.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.23 ug/l

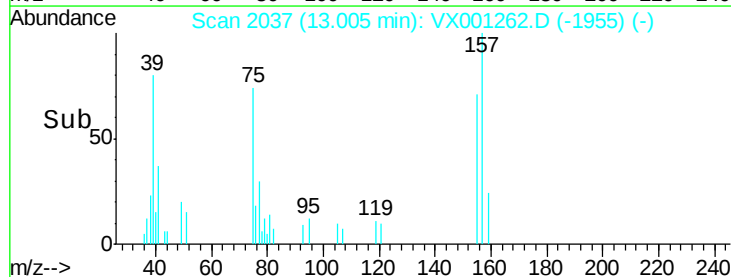
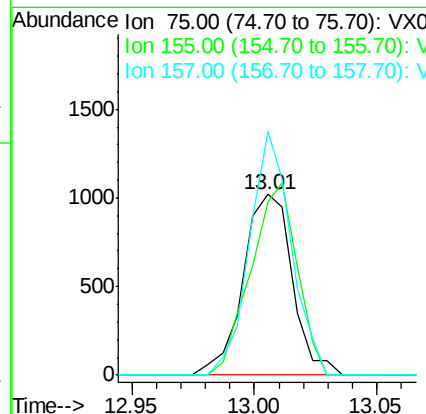
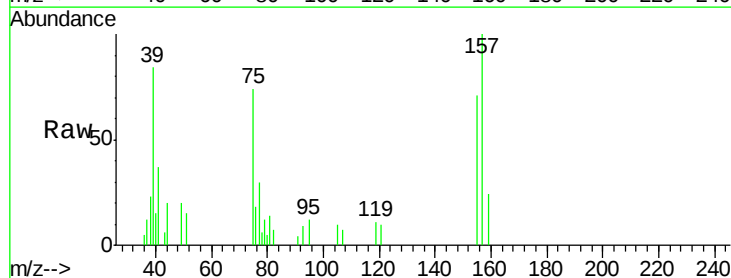
RT: 13.01 min Scan# 2037

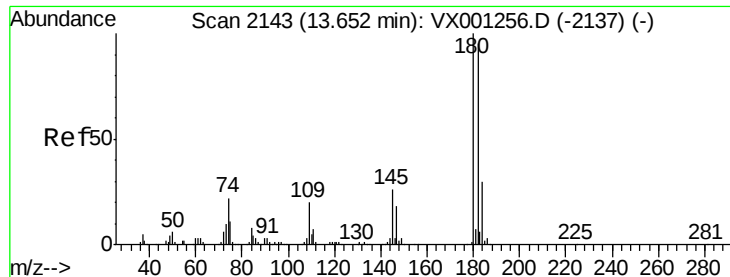
Delta R.T. -0.00 min

Lab File: VX001262.D

Acq: 30 Apr 2018 19:14

Tgt Ion:	75	Resp:	1429
Ion Ratio	Lower	Upper	
75	100		
155	99.7	75.1	112.7
157	113.9	99.0	148.4





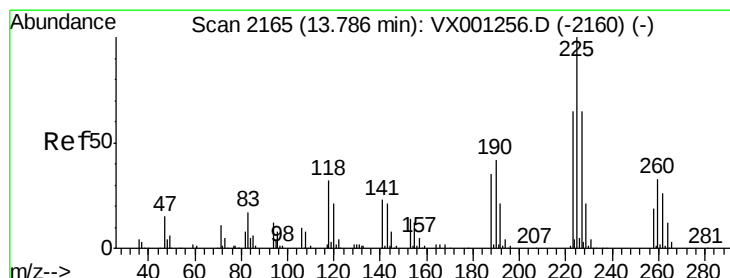
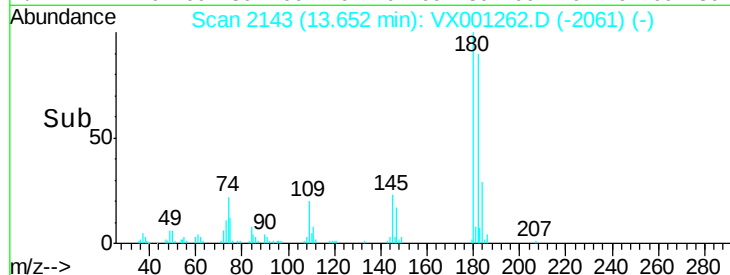
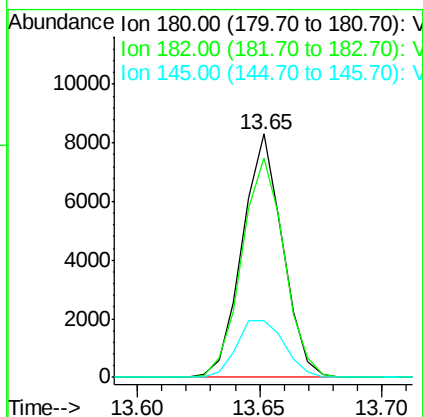
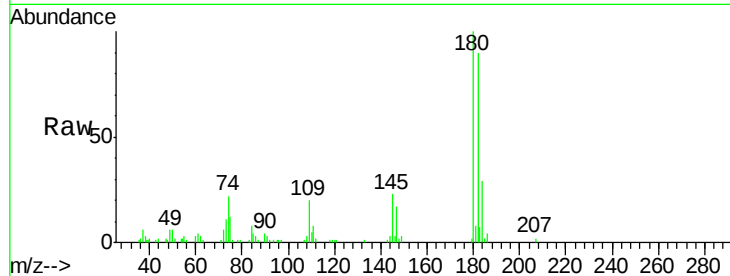
#89
 1,2,4-Trichlorobenzene
 Concen: 2.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
145	27.7	24.6	37.0

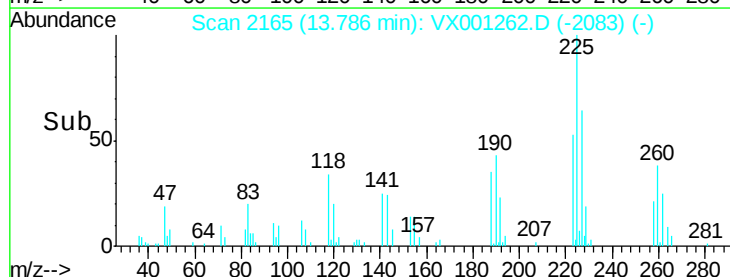
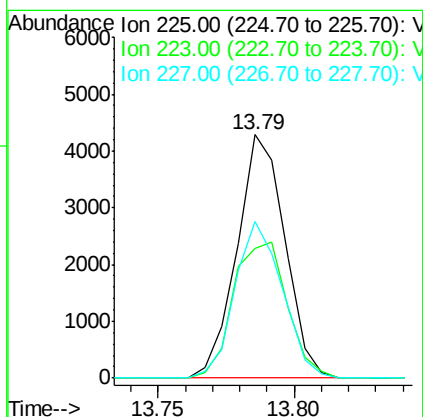
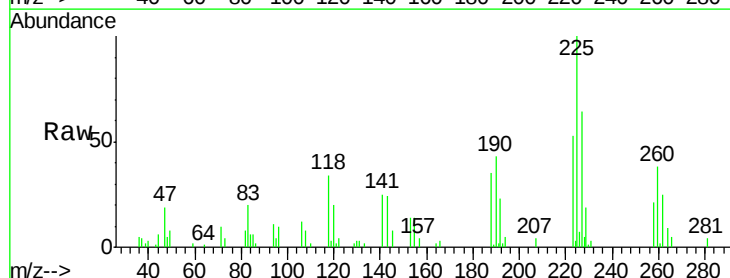
Manual Integrations
 APPROVED

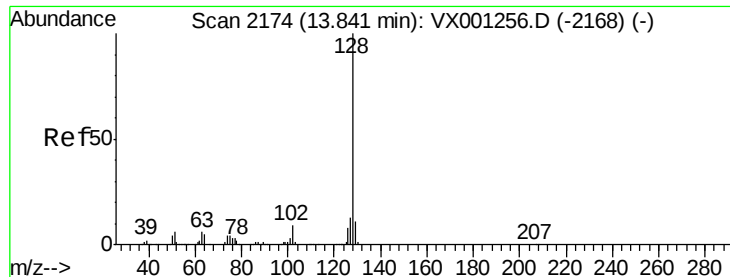
MMDadoda
 5/2/2018 11:08:07 AM



#90
 Hexachlorobutadiene
 Concen: 2.70 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001262.D
 Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	131.2
227	63.6	0.0	127.6





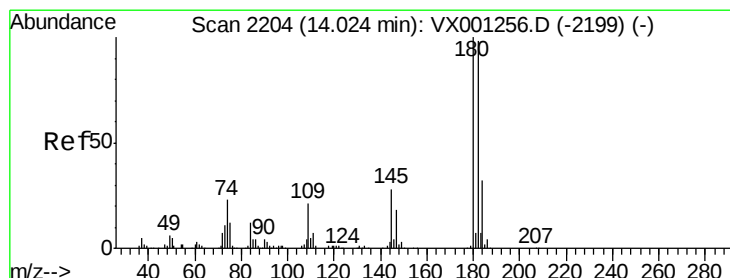
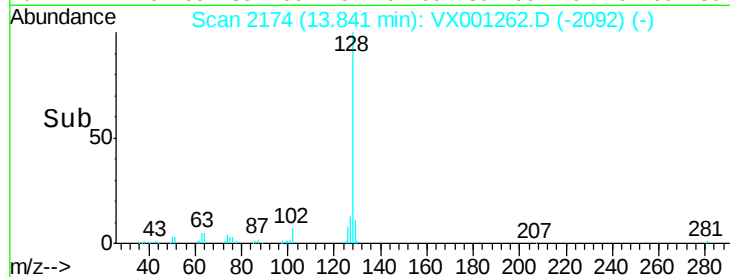
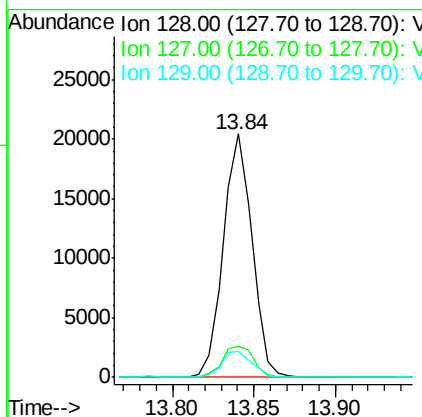
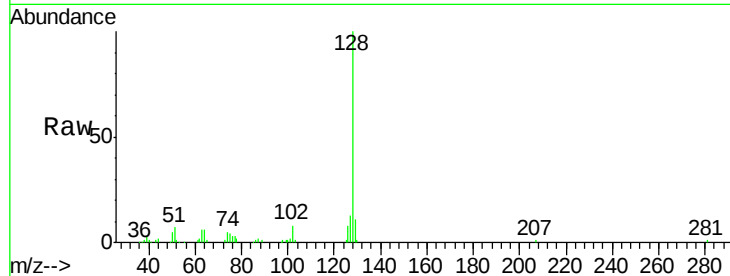
#91
Naphthalene
Concen: 2.32 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	11.2	9.0	13.6

Manual Integrations
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MMDadoda
5/2/2018 11:08:07 AM



#92
1,2,3-Trichlorobenzene
Concen: 2.40 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001262.D
Acq: 30 Apr 2018 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	188.6
145	31.1	0.0	65.8

