

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000849.D
 Acq On : 13 Apr 2018 15:08
 Operator : JC/MD
 Sample : J2133-09 MDL 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 14 05:12:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	251896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212509	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	152996	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	5.51	113	125387	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.73	98	460470	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.15	95	186633	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	6799	2.39	ug/l	97
3) Chloromethane	1.32	50	6368	2.61	ug/l	95
4) Vinyl Chloride	1.40	62	7330	2.67	ug/l	99
5) Bromomethane	1.65	94	4038	2.24	ug/l	89
6) Chloroethane	1.73	64	6881	4.14	ug/l	92
7) Trichlorofluoromethane	1.93	101	10651	2.57	ug/l	97
8) Diethyl Ether	2.19	74	4145	2.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6368	2.61	ug/l	99
10) Methyl Iodide	2.51	142	1985	9.10	ug/l	99
11) Tert butyl alcohol	3.09	59	7050	12.50	ug/l	100
12) 1,1-Dichloroethene	2.38	96	6325	2.74	ug/l	99
13) Acrolein	2.30	56	2180	7.96	ug/l	87
14) Allyl chloride	2.73	41	10643	2.49	ug/l	98
15) Acrylonitrile	3.15	53	15671	13.03	ug/l	98
16) Acetone	2.45	43	13440	12.27	ug/l	99
17) Carbon Disulfide	2.57	76	16651	2.38	ug/l #	94
18) Methyl Acetate	2.79	43	8186	2.89	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	19753	2.57	ug/l	97
20) Methylene Chloride	2.87	84	7270	2.85	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	6773	2.66	ug/l	97
22) Diisopropyl ether	3.89	45	21976	2.80	ug/l	98
23) Vinyl Acetate	3.84	43	88458	12.82	ug/l	97
24) 1,1-Dichloroethane	3.70	63	11774	2.67	ug/l	99
25) 2-Butanone	4.73	43	23156	12.80	ug/l	97
26) 2,2-Dichloropropane	4.59	77	10467	2.39	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	7780	2.69	ug/l	100
28) Bromochloromethane	5.22	49	1040	0.59	ug/l #	7
29) Tetrahydrofuran	5.18	42	15642	13.62	ug/l	99
30) Chloroform	5.22	83	12204	2.61	ug/l	91
31) Cyclohexane	5.59	56	10887	2.60	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	10997	2.47	ug/l	97
36) 1,1-Dichloropropene	5.81	75	9992	2.69	ug/l	98
37) Ethyl Acetate	4.88	43	8854	2.45	ug/l	97
38) Carbon Tetrachloride	5.80	117	10132	2.44	ug/l	86

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	11199	2.51	ug/l	97
40) Benzene	6.15	78	27004	2.62	ug/l	98
41) Methacrylonitrile	5.08	41	5426	2.59	ug/l	96
42) 1,2-Dichloroethane	6.21	62	10720	2.78	ug/l	100
43) Isopropyl Acetate	6.48	43	14967	2.41	ug/l	100
44) Trichloroethene	7.23	130	8517	2.66	ug/l	86
45) 1,2-Dichloropropane	7.52	63	6649	2.53	ug/l	90
46) Dibromomethane	7.67	93	4681	2.56	ug/l	99
47) Bromodichloromethane	7.91	83	8591	2.33	ug/l	97
48) Methyl methacrylate	7.79	41	8188	2.54	ug/l	98
49) 1,4-Dioxane	7.77	88	3003	46.44	ug/l #	95
51) 4-Methyl-2-Pentanone	8.66	43	44551	12.22	ug/l	98
52) Toluene	8.79	92	18034	2.64	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	9999	2.26	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	8997	2.09	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	6927	2.55	ug/l	97
56) Ethyl methacrylate	9.19	69	10353	2.47	ug/l	97
57) 1,3-Dichloropropane	9.38	76	11763	2.73	ug/l	99
59) 2-Hexanone	9.51	43	34306	12.19	ug/l	98
60) Dibromochloromethane	9.59	129	6626	2.04	ug/l	98
61) 1,2-Dibromoethane	9.68	107	7094	2.46	ug/l	98
64) Tetrachloroethene	9.34	164	8755	2.83	ug/l	95
65) Chlorobenzene	10.15	112	20743	2.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	7087	2.36	ug/l	96
67) Ethyl Benzene	10.26	91	34687	2.61	ug/l	100
68) m/p-Xylenes	10.37	106	27621	5.26	ug/l	97
69) o-Xylene	10.71	106	13040	2.58	ug/l	98
70) Styrene	10.72	104	20593	2.42	ug/l	98
71) Bromoform	10.87	173	5449	1.96	ug/l #	99
73) Isopropylbenzene	11.02	105	34609	2.57	ug/l	98
74) N-amyl acetate	6.48	43	14967	2.47	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	9823	2.51	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	10358	2.83	ug/l	89
77) Bromobenzene	11.26	156	10051	2.54	ug/l	96
78) n-propylbenzene	11.37	91	39221	2.54	ug/l	99
79) 2-Chlorotoluene	11.43	91	23884	2.62	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	29612	2.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	90453	67.89	ug/l #	11
82) 4-Chlorotoluene	11.52	91	28483	2.59	ug/l	99
83) tert-Butylbenzene	11.78	119	29580	2.49	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	29923	2.50	ug/l	99
85) sec-Butylbenzene	11.95	105	36396	2.60	ug/l	98
86) p-Isopropyltoluene	12.07	119	31952	2.45	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	18826	2.57	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	19389	2.59	ug/l	91
89) n-Butylbenzene	12.40	91	29042	2.52	ug/l	98
90) Hexachloroethane	12.60	117	4416	2.00	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	18318	2.59	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2067	2.11	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	15648	2.60	ug/l	96

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

Quant Time: Apr 14 05:12:32 2018
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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

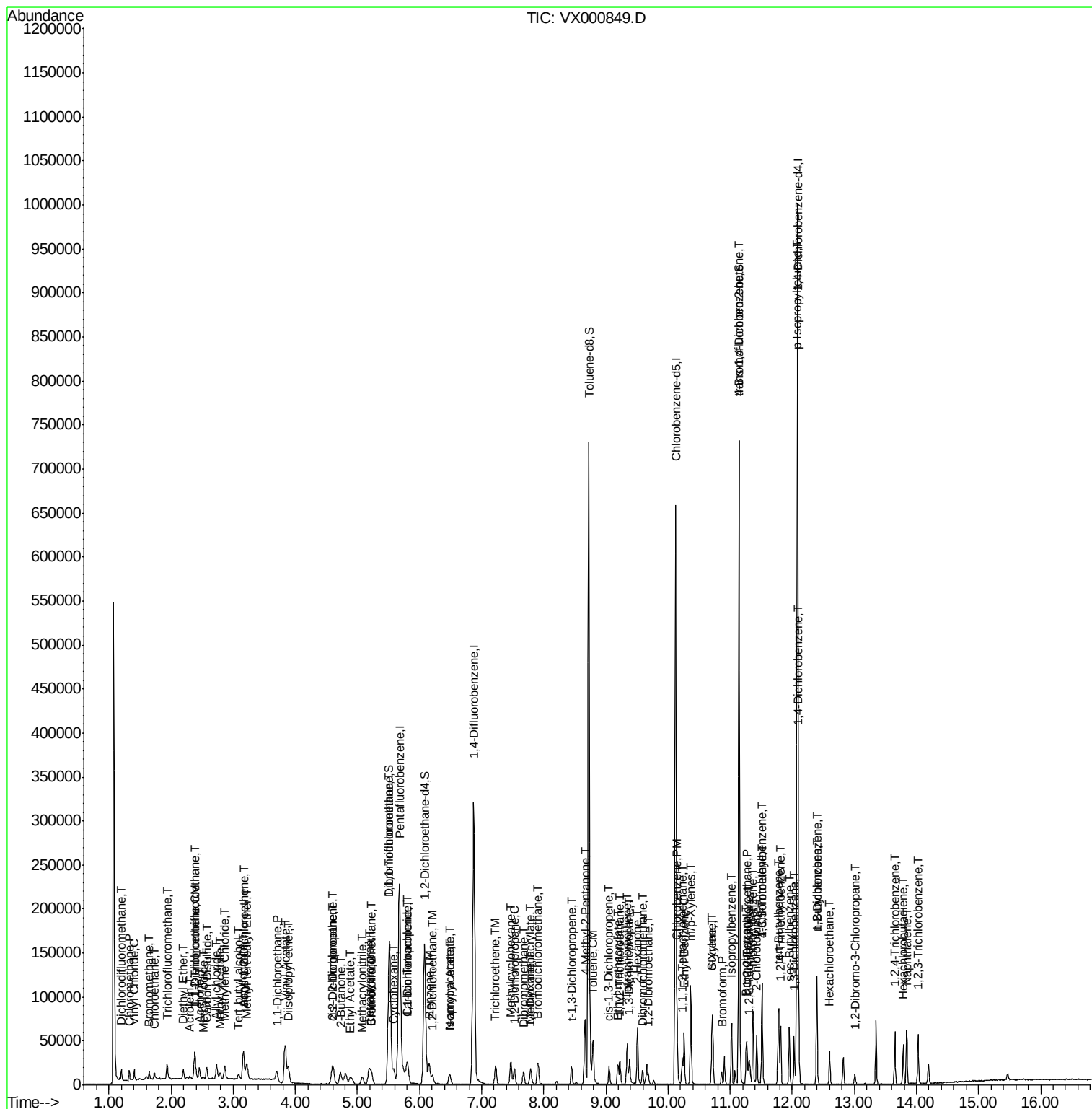
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	7689	2.60	ug/l	99
95) Naphthalene	13.84	128	38473	2.49	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	14657	2.51	ug/l	97

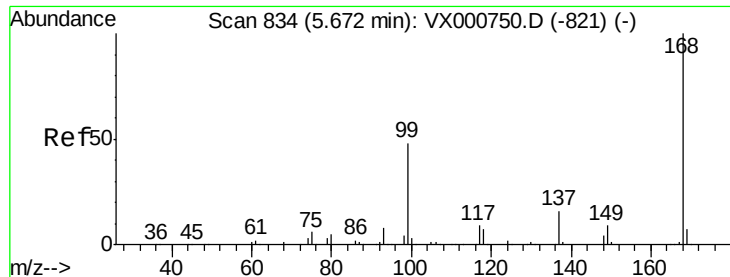
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
Data File : VX000849.D
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Sample : J2133-09 MDL 2.5PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-OT2-2018

Quant Time: Apr 14 05:12:32 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

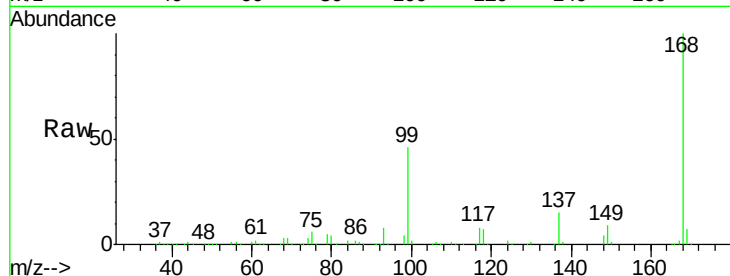
MDL-WATER-03-QT2-2018

Tgt Ion: 168 Resp: 251896

Ion Ratio Lower Upper

168 100

99 46.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

80000

60000

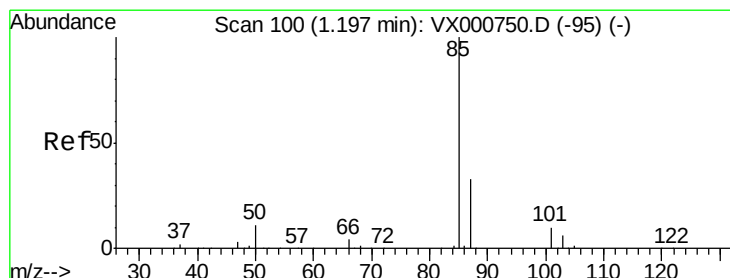
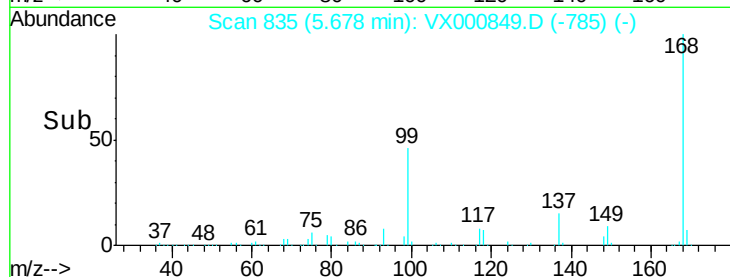
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 2.39 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000849.D

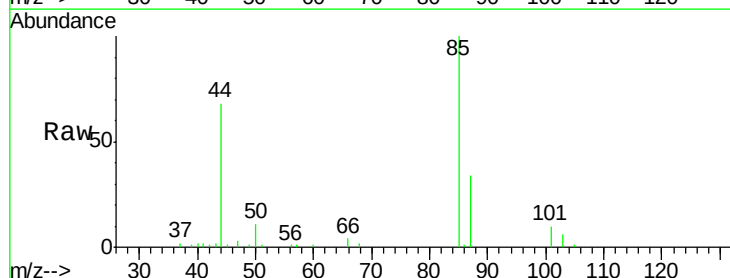
Acq: 13 Apr 2018 15:08

Tgt Ion: 85 Resp: 6799

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

8000

6000

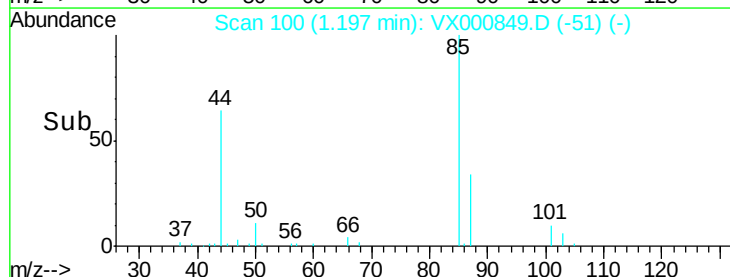
4000

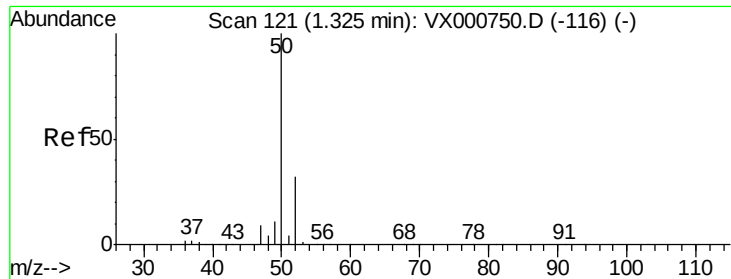
2000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 2.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

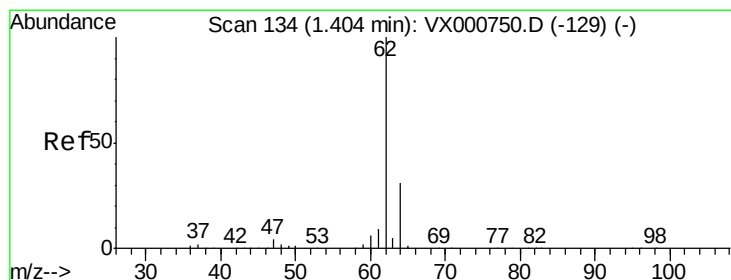
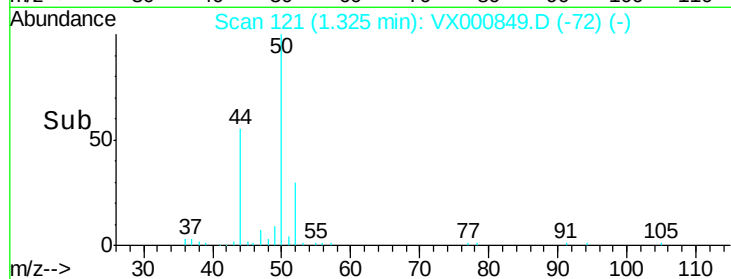
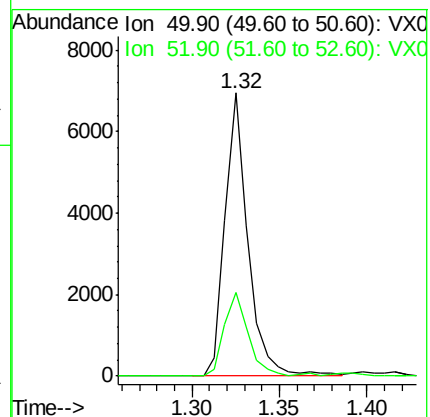
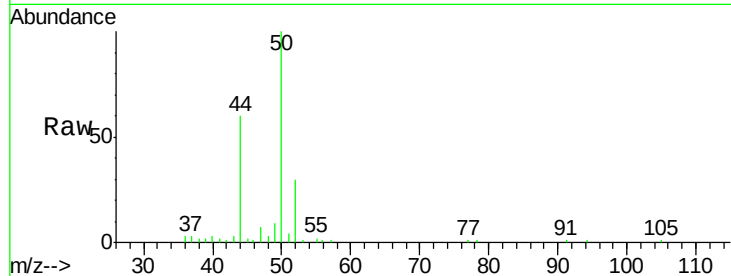
MDL-WATER-03-QT2-2018

Tgt Ion: 50 Resp: 6368

Ion Ratio Lower Upper

50 100

52 29.8 25.8 38.8



#4

Vinyl Chloride

Concen: 2.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000849.D

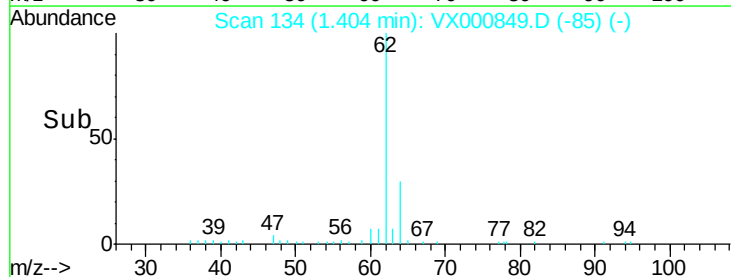
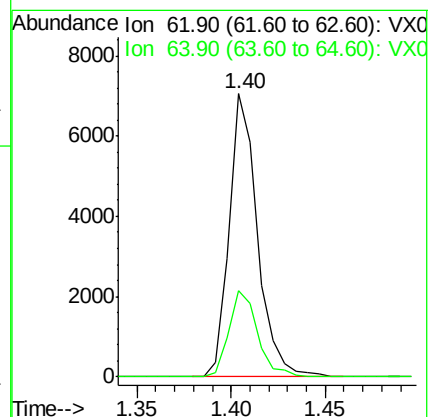
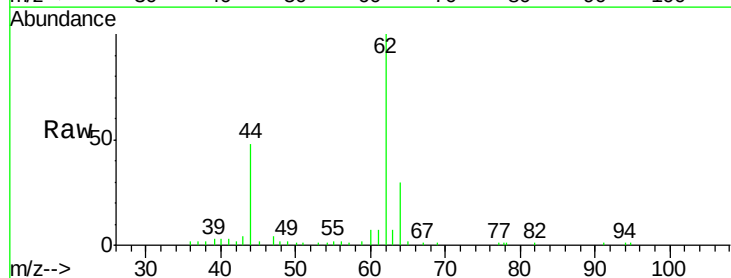
Acq: 13 Apr 2018 15:08

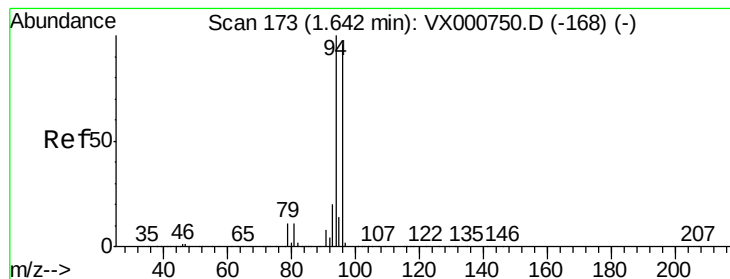
Tgt Ion: 62 Resp: 7330

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 2.24 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

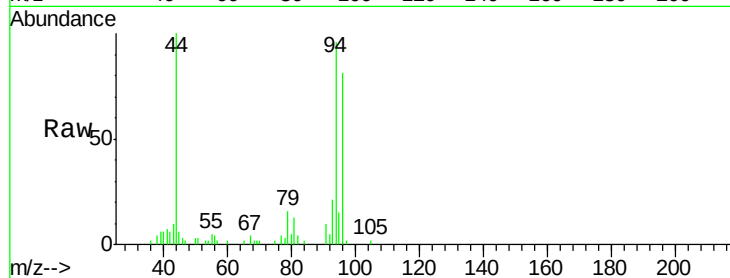
MDL-WATER-03-QT2-2018

Tgt Ion: 94 Resp: 4038

Ion Ratio Lower Upper

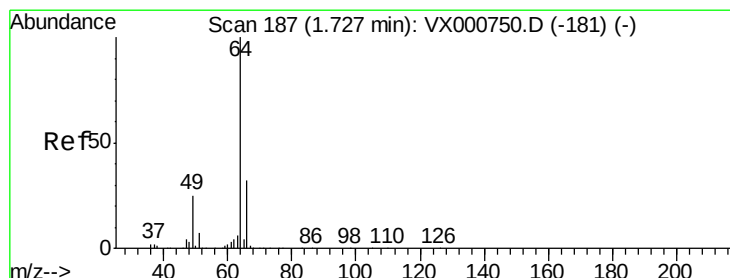
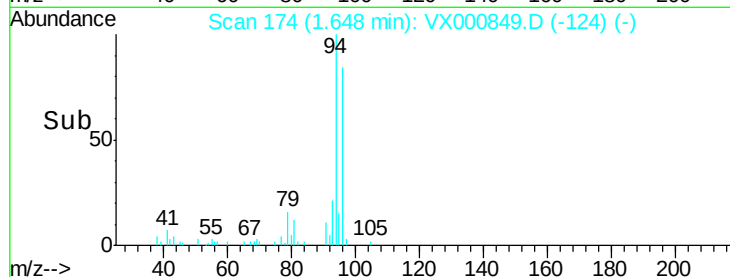
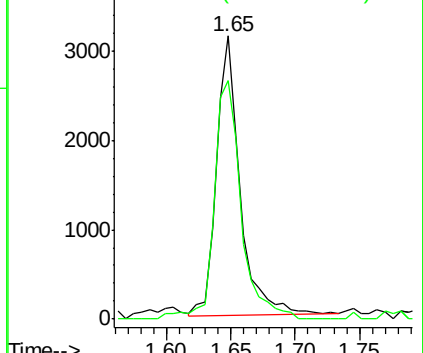
94 100

96 86.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.14 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000849.D

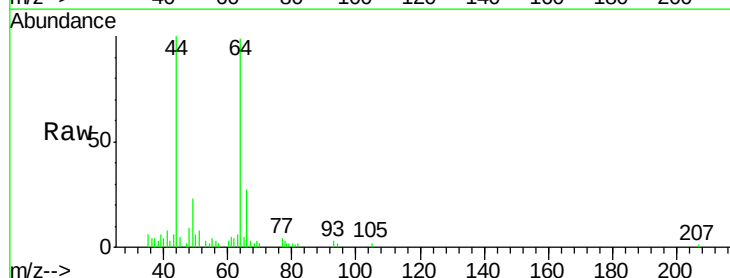
Acq: 13 Apr 2018 15:08

Tgt Ion: 64 Resp: 6881

Ion Ratio Lower Upper

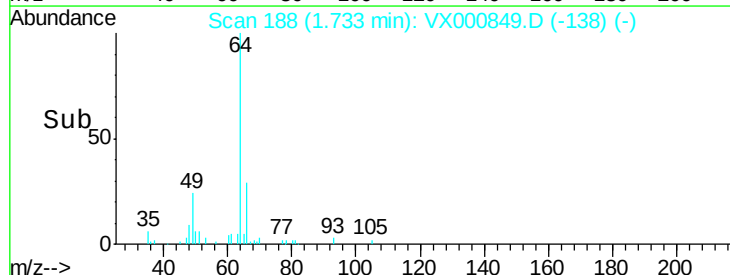
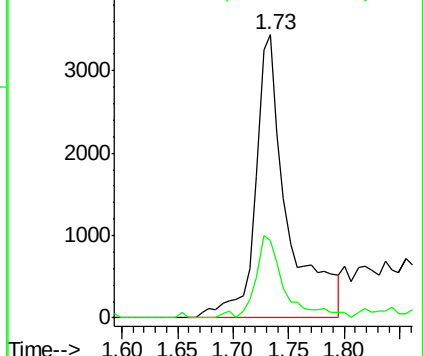
64 100

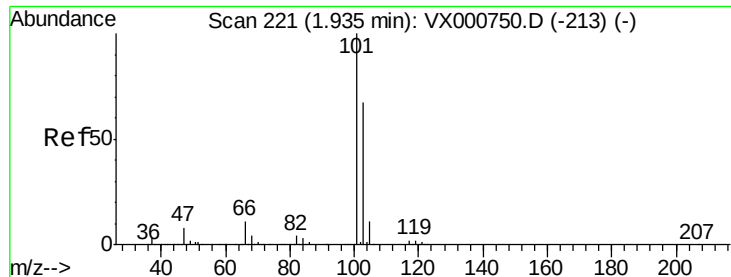
66 27.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



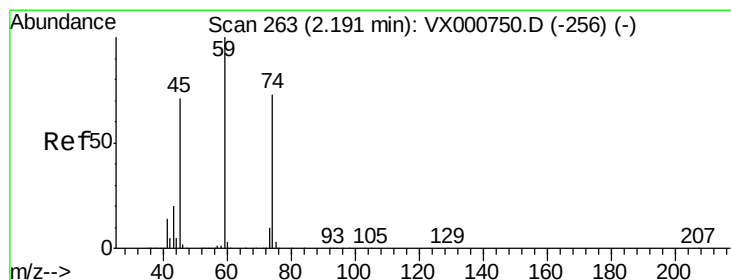
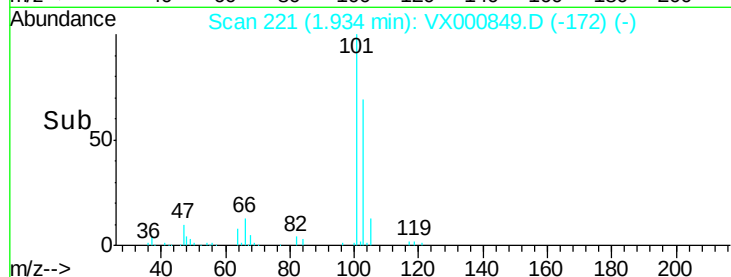
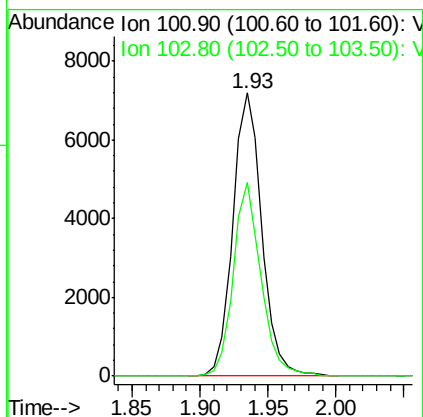
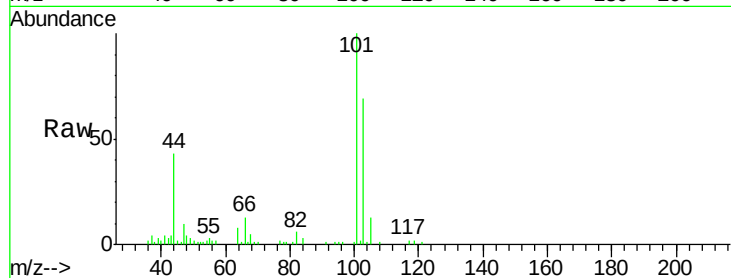


#7

Trichlorofluoromethane
 Concen: 2.57 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

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

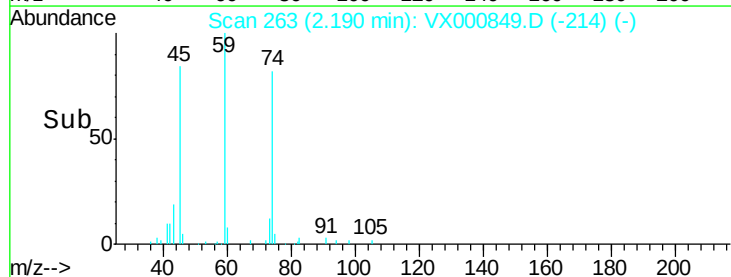
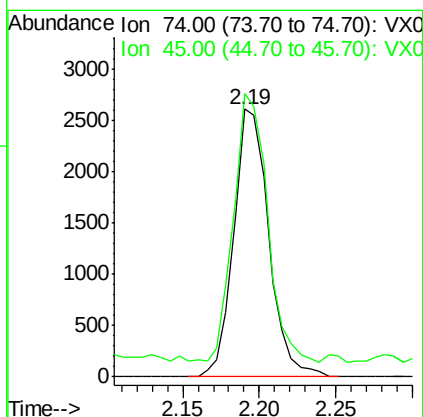
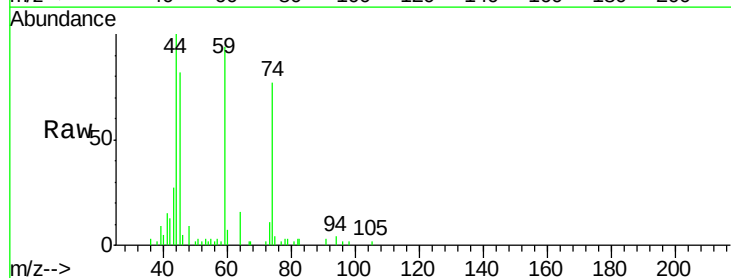
Tgt Ion: 101 Resp: 10651
 Ion Ratio Lower Upper
 101 100
 103 68.7 53.2 79.8

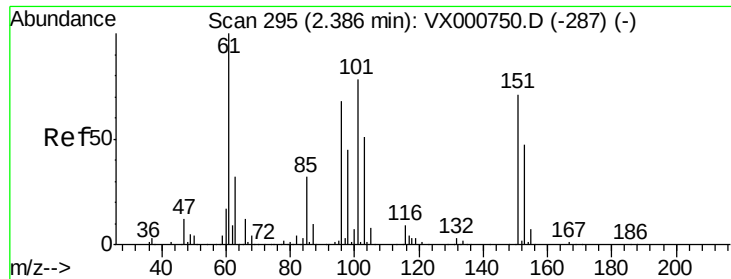


#8

Diethyl Ether
 Concen: 2.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 74 Resp: 4145
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.61 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

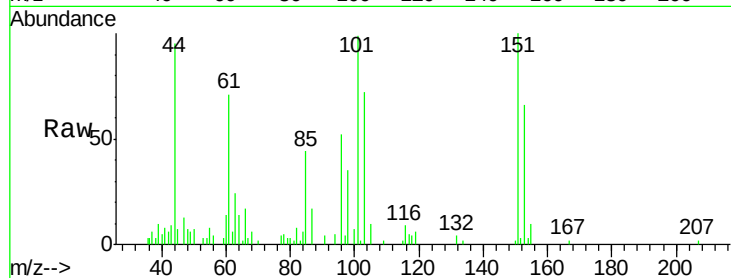
Tgt Ion:101 Resp: 6368

Ion Ratio Lower Upper

101 100

85 43.6 34.0 51.0

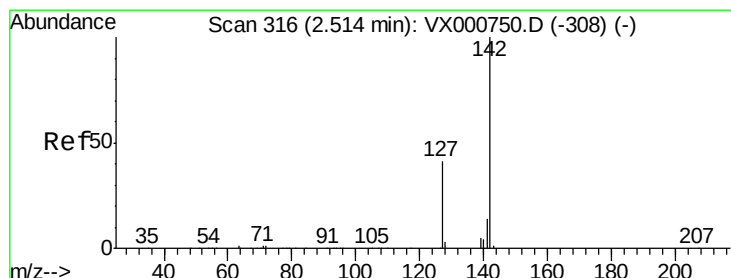
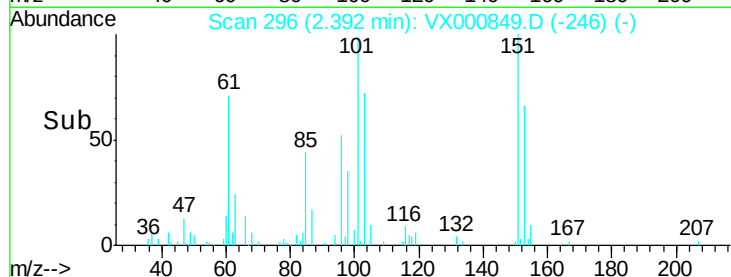
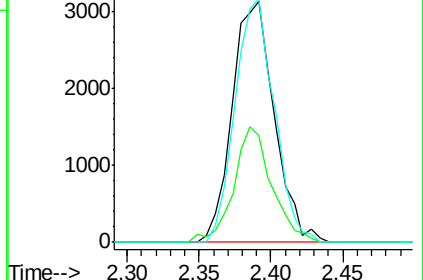
151 94.0 75.8 113.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.10 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

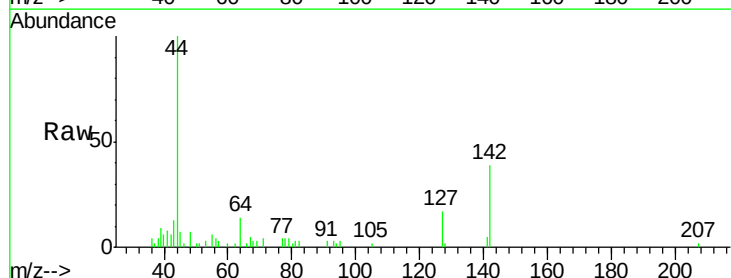
Tgt Ion:142 Resp: 1985

Ion Ratio Lower Upper

142 100

127 41.2 32.6 49.0

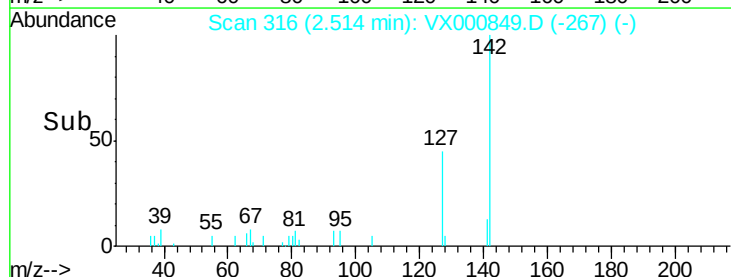
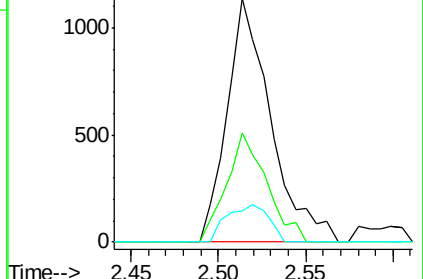
141 14.6 11.5 17.3

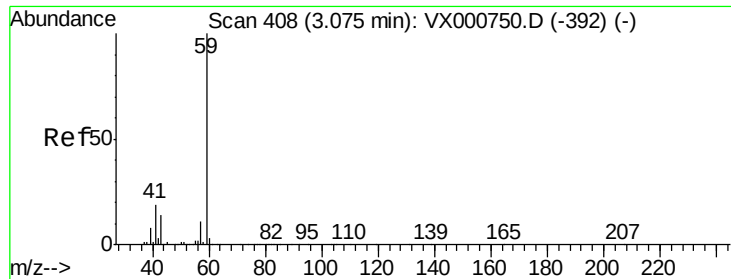


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

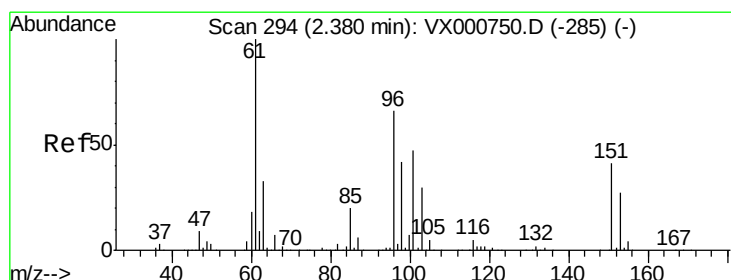
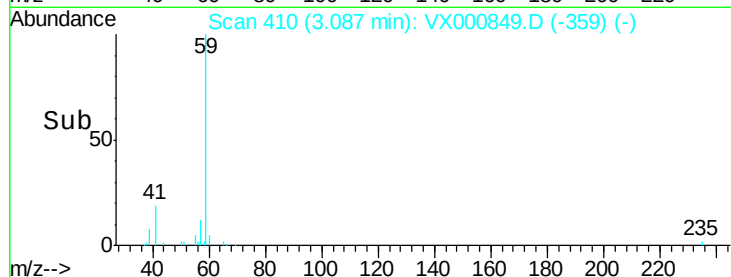
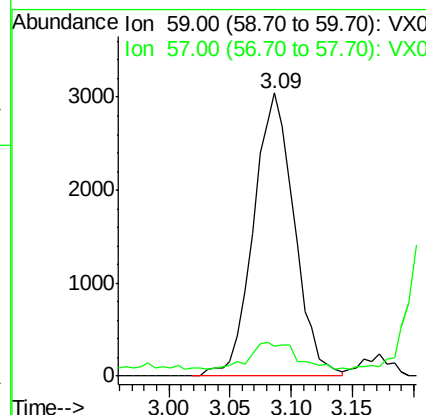
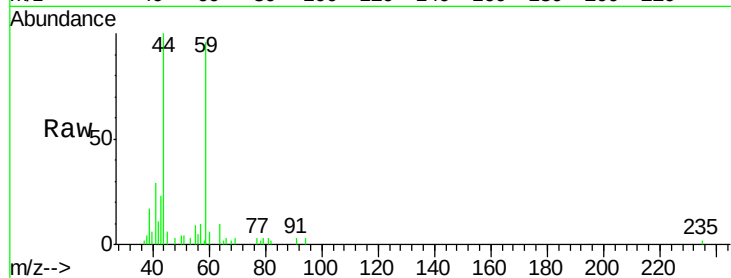




#11
Tert butyl alcohol
Concen: 12.50 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

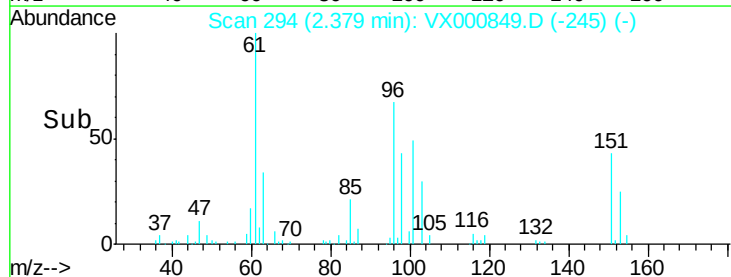
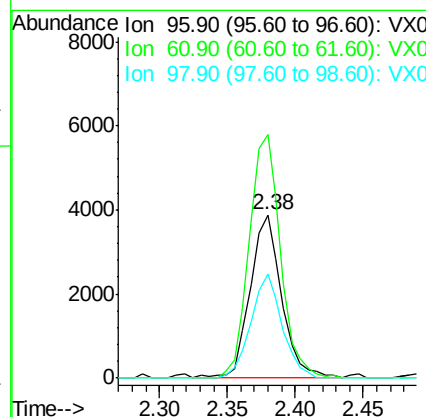
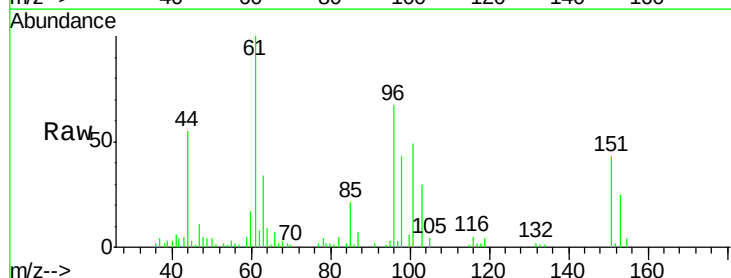
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

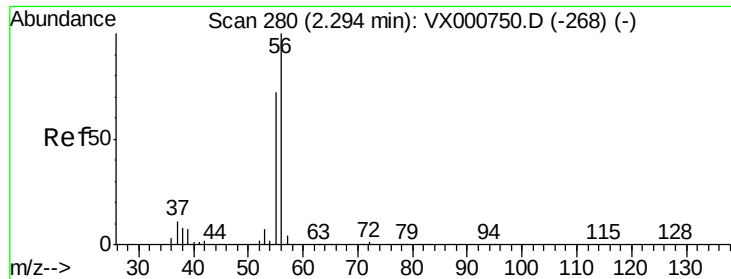
Tgt Ion: 59 Resp: 7050
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6



#12
1,1-Dichloroethene
Concen: 2.74 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion: 96 Resp: 6325
Ion Ratio Lower Upper
96 100
61 148.8 120.5 180.7
98 63.7 50.9 76.3





#13

Acrolein

Concen: 7.96 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

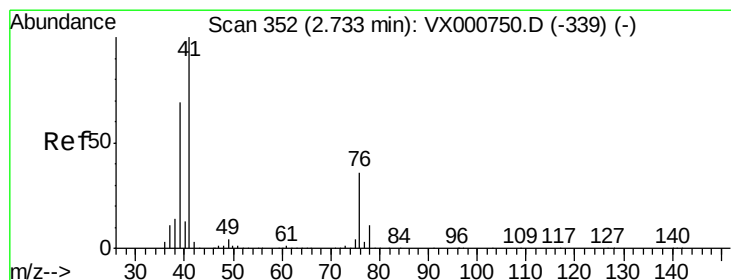
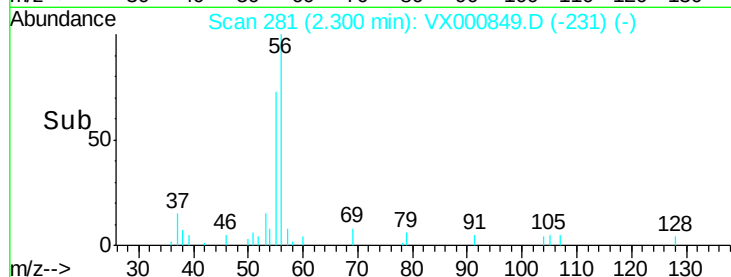
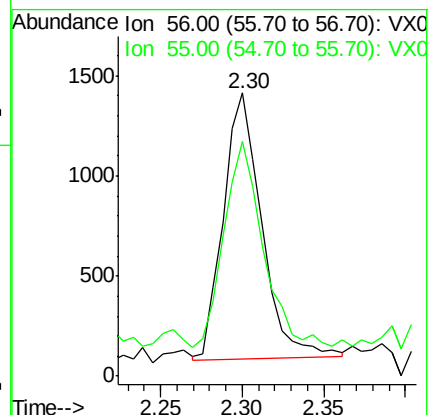
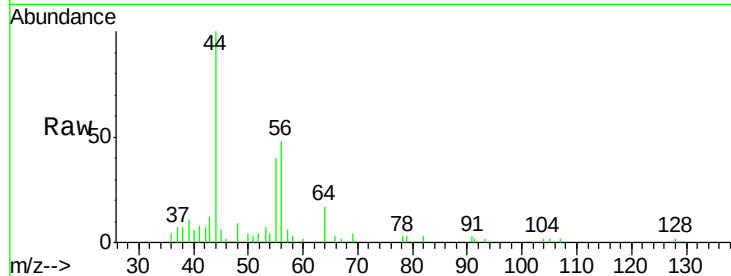
MDL-WATER-03-QT2-2018

Tgt Ion: 56 Resp: 2180

Ion Ratio Lower Upper

56 100

55 84.2 58.7 88.1



#14

Allyl chloride

Concen: 2.49 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

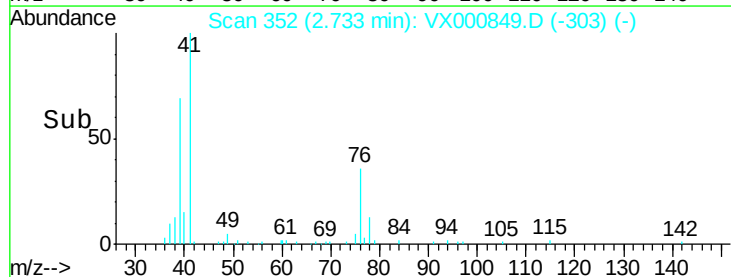
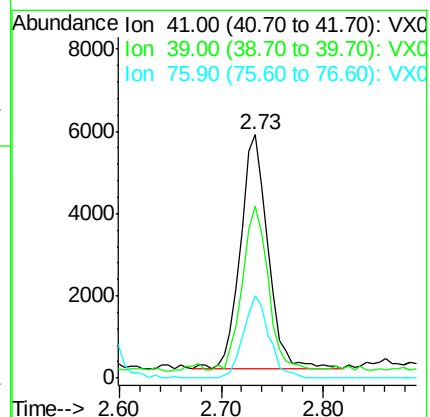
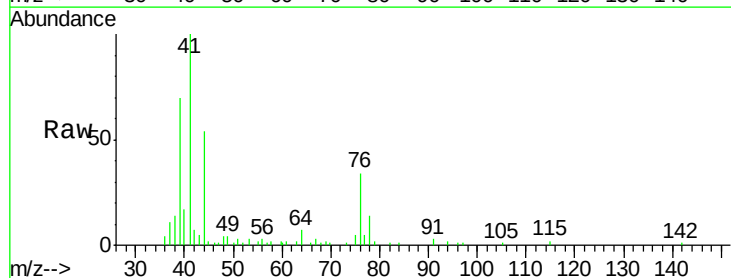
Tgt Ion: 41 Resp: 10643

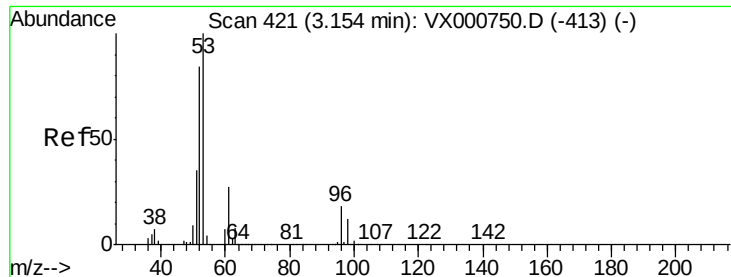
Ion Ratio Lower Upper

41 100

39 66.4 51.5 77.3

76 32.7 26.5 39.7





#15

Acrylonitrile

Concen: 13.03 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

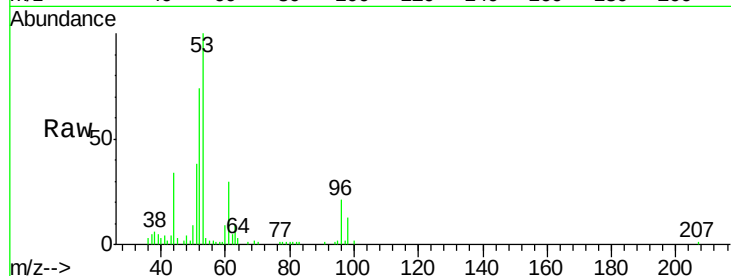
Tgt Ion: 53 Resp: 15671

Ion Ratio Lower Upper

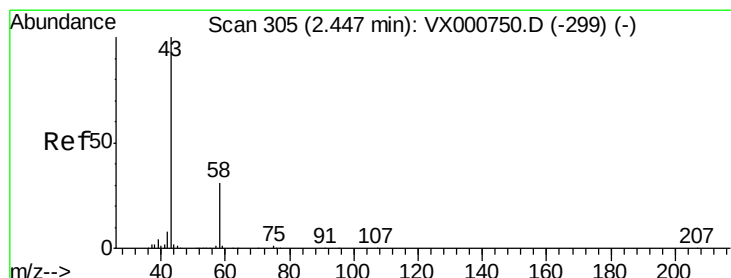
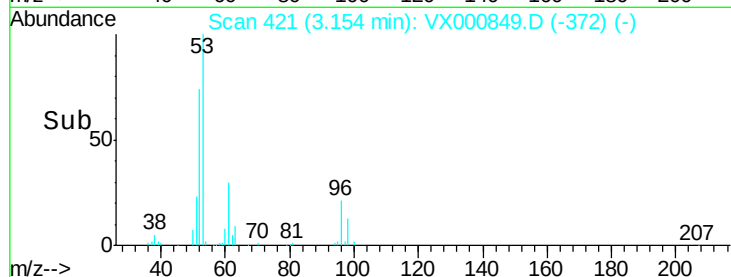
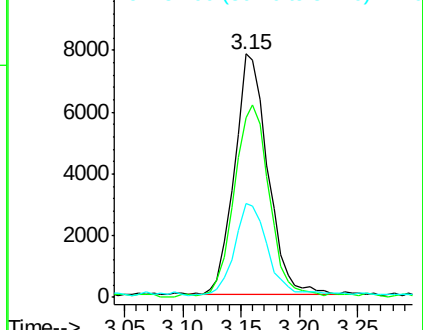
53 100

52 84.5 66.5 99.7

51 38.3 28.8 43.2



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



#16

Acetone

Concen: 12.27 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000849.D

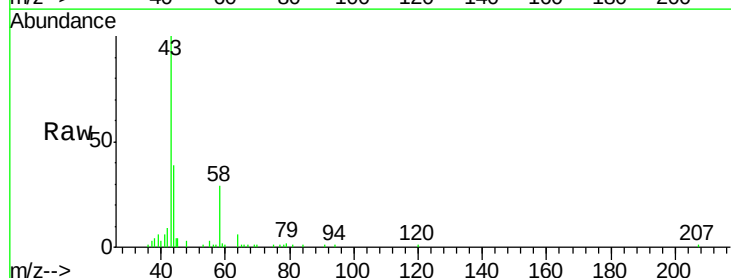
Acq: 13 Apr 2018 15:08

Tgt Ion: 43 Resp: 13440

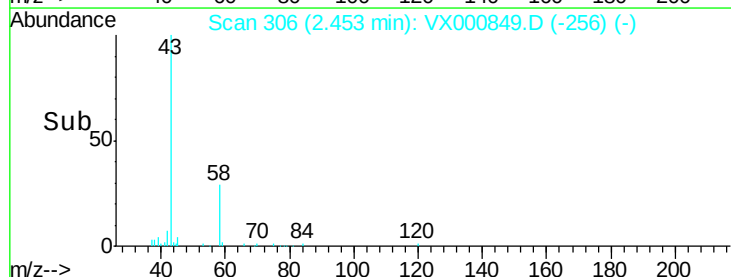
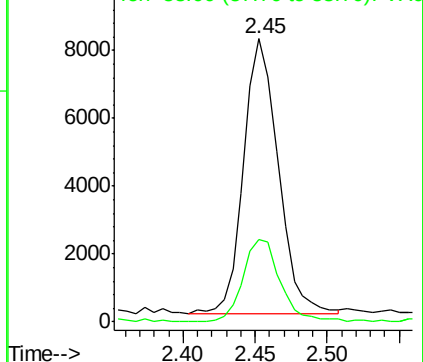
Ion Ratio Lower Upper

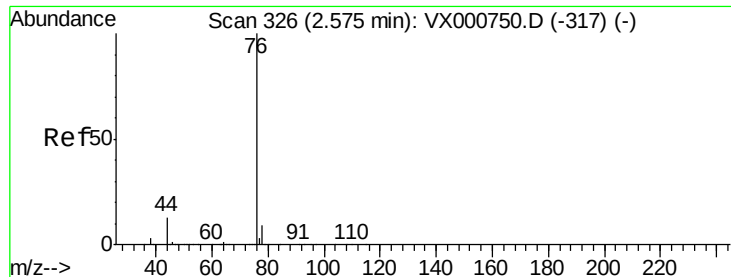
43 100

58 30.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.38 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

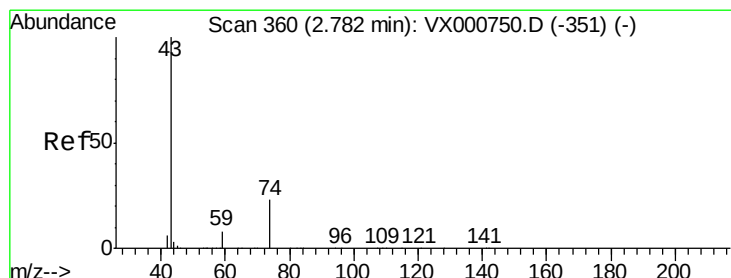
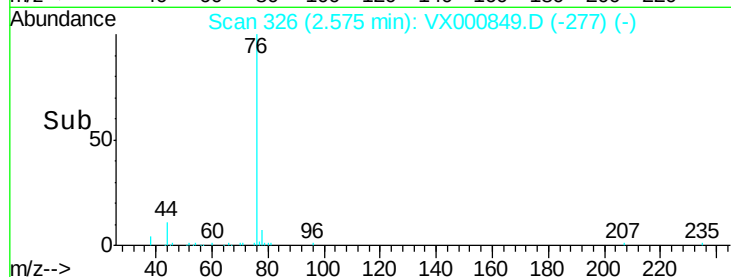
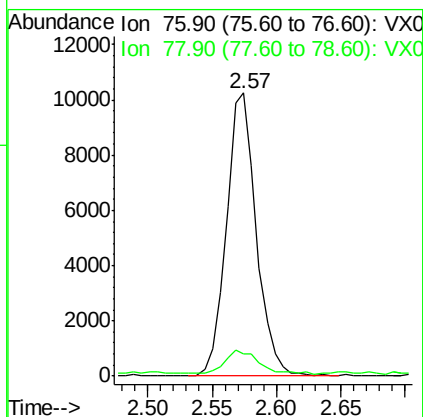
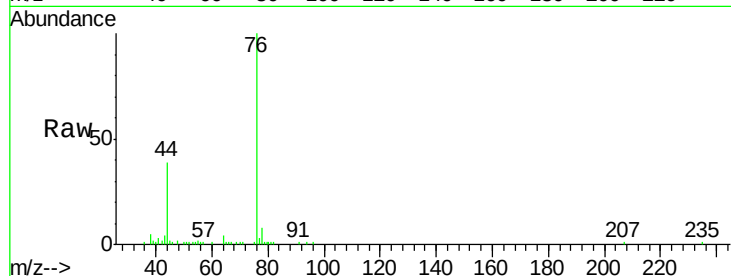
MDL-WATER-03-QT2-2018

Tgt Ion: 76 Resp: 16651

Ion Ratio Lower Upper

76 100

78 7.1 7.4 11.2#



#18

Methyl Acetate

Concen: 2.89 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000849.D

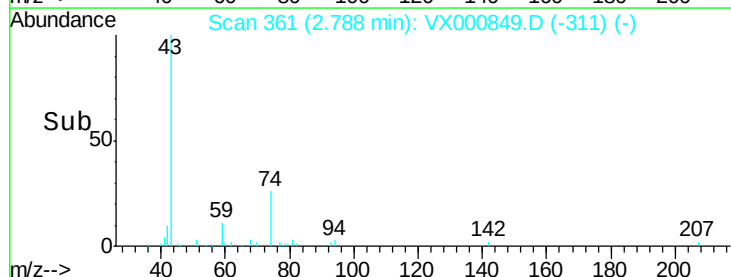
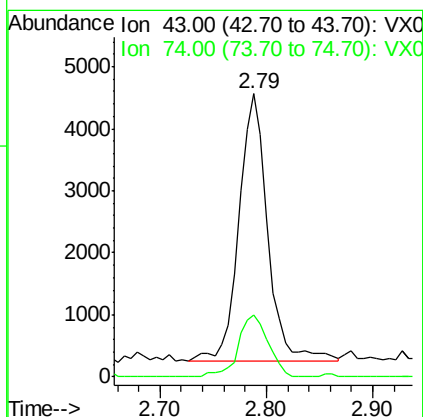
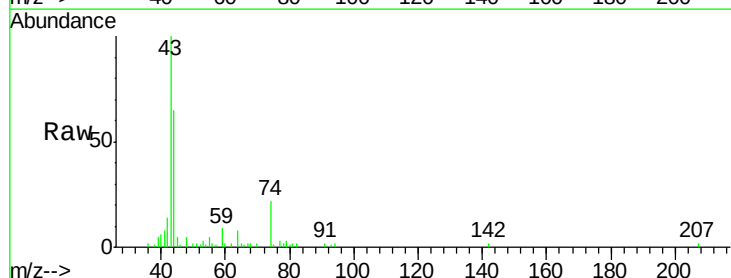
Acq: 13 Apr 2018 15:08

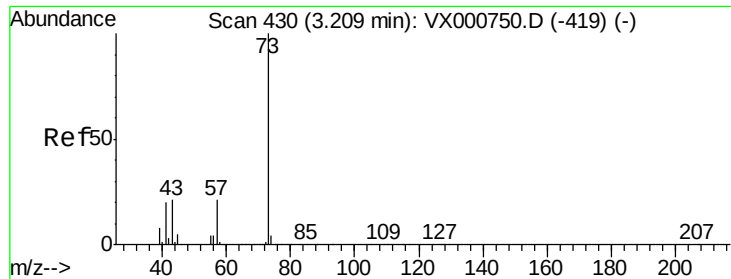
Tgt Ion: 43 Resp: 8186

Ion Ratio Lower Upper

43 100

74 24.3 19.1 28.7

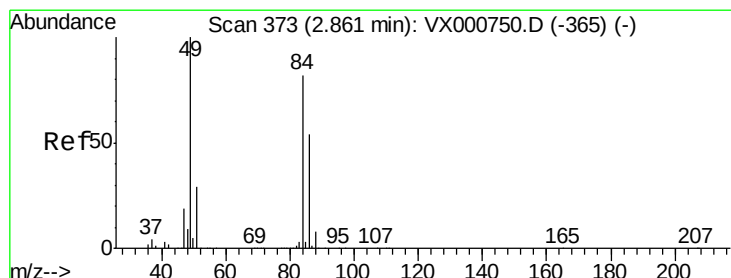
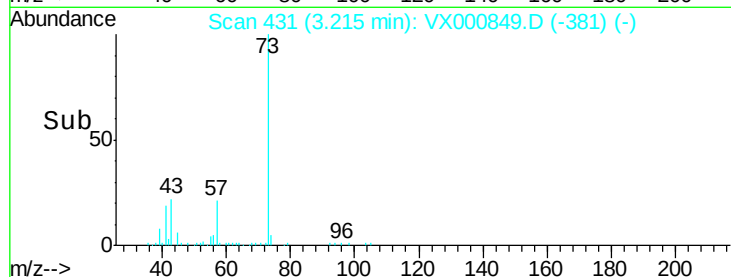
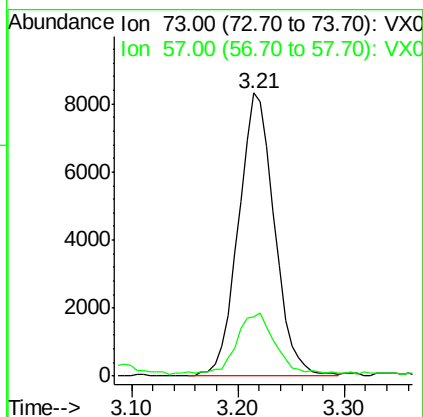
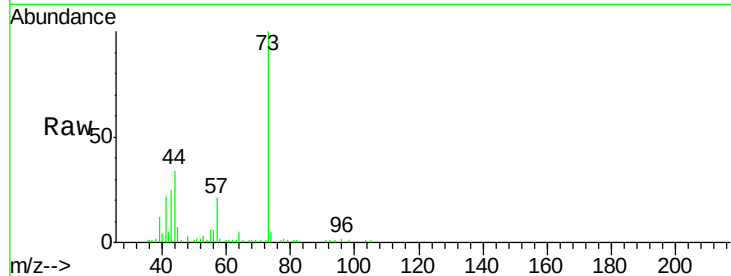




#19
Methyl tert-butyl Ether
Concen: 2.57 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

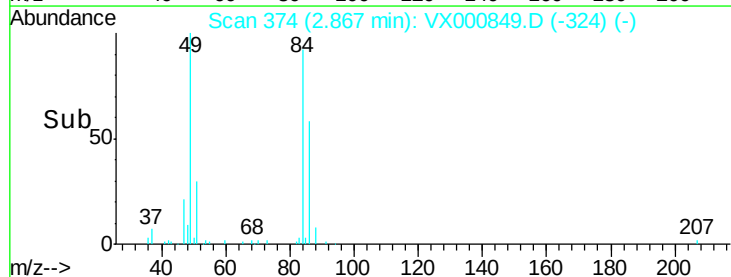
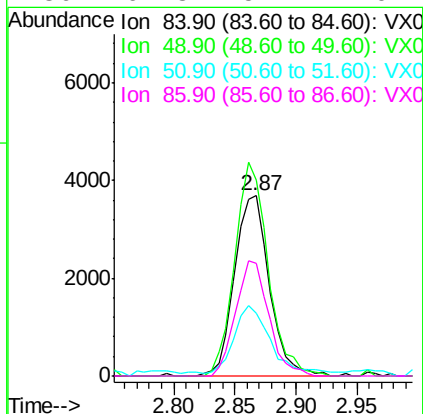
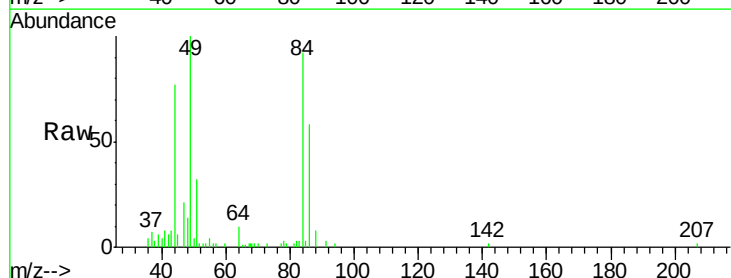
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

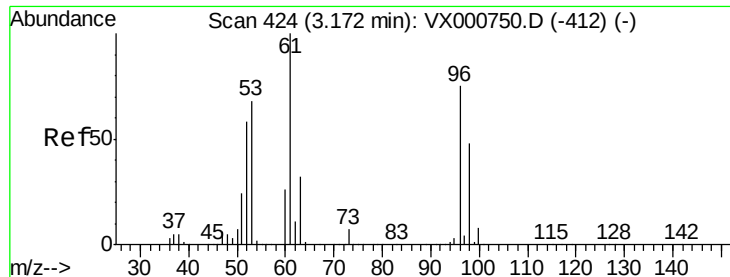
Tgt Ion: 73 Resp: 19753
Ion Ratio Lower Upper
73 100
57 19.7 16.9 25.3



#20
Methylene Chloride
Concen: 2.85 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion: 84 Resp: 7270
Ion Ratio Lower Upper
84 100
49 108.6 98.1 147.1
51 33.1 28.9 43.3
86 62.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 2.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

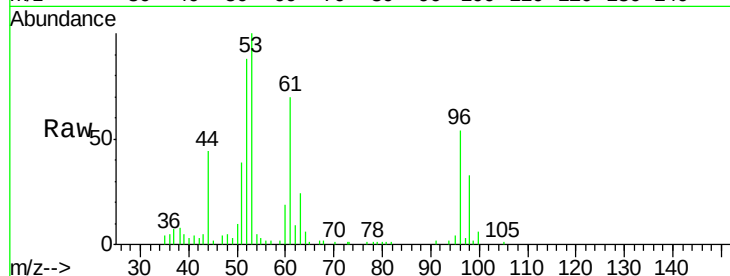
Tgt Ion: 96 Resp: 6773

Ion Ratio Lower Upper

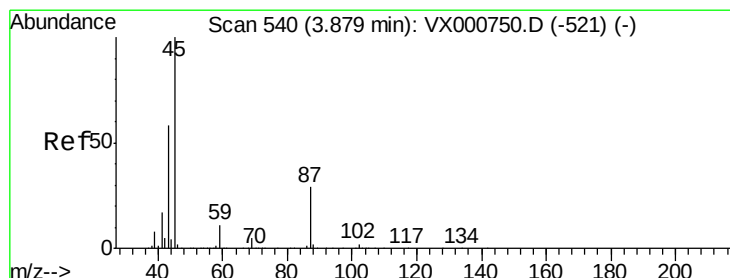
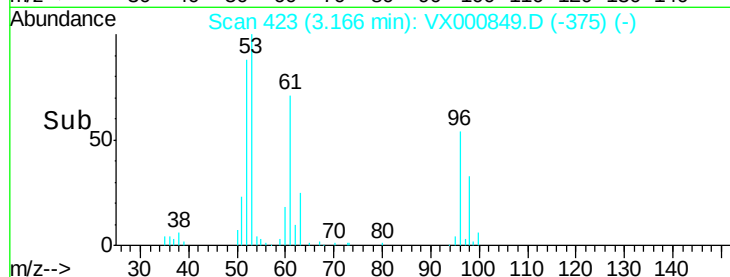
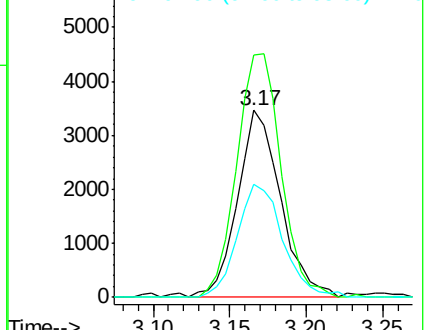
96 100

61 129.7 106.2 159.2

98 60.3 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 2.80 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Tgt Ion: 45 Resp: 21976

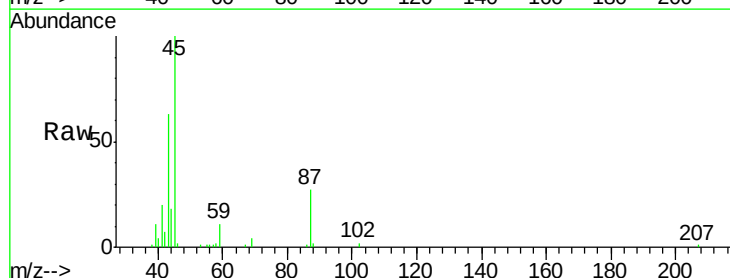
Ion Ratio Lower Upper

45 100

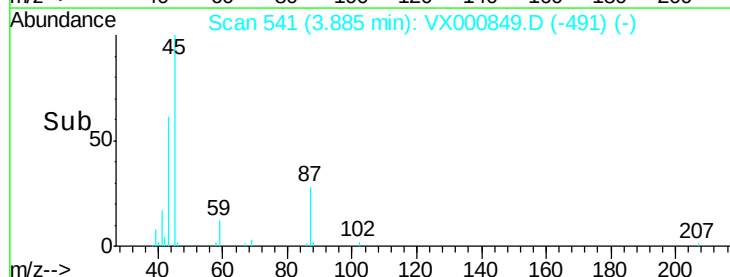
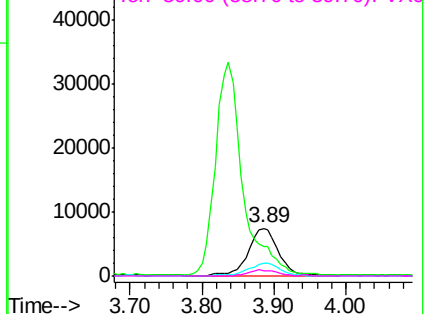
43 60.0 46.6 69.8

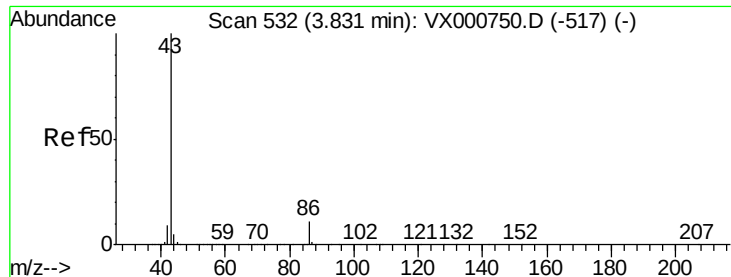
87 27.4 22.9 34.3

59 11.4 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 12.82 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

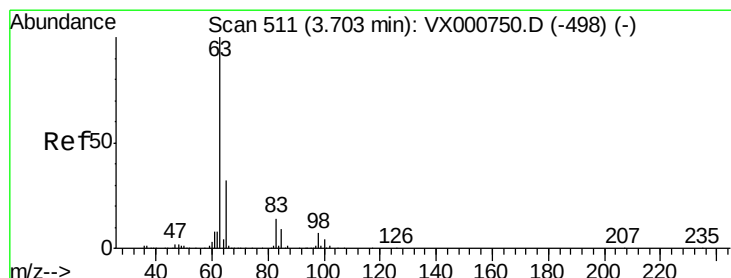
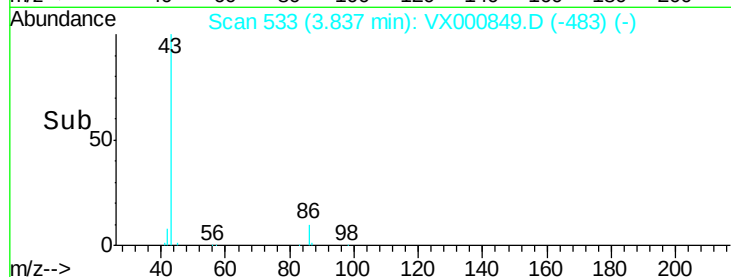
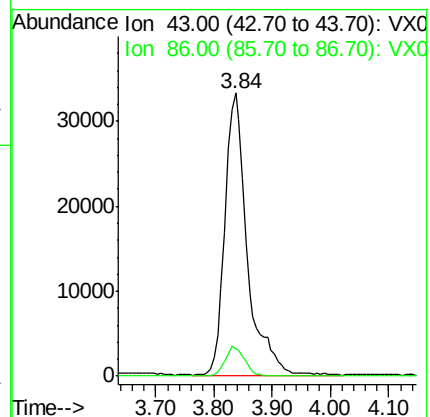
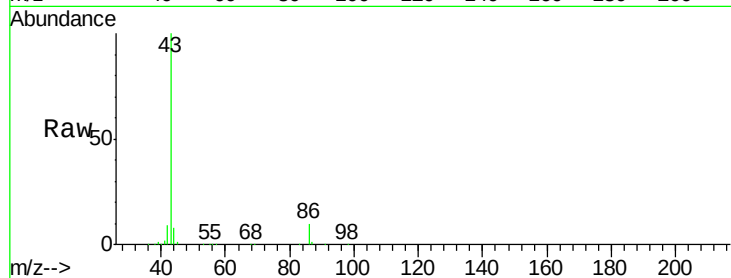
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 88458

Ion Ratio Lower Upper

43 100

86 9.7 8.6 12.8



#24

1,1-Dichloroethane

Concen: 2.67 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

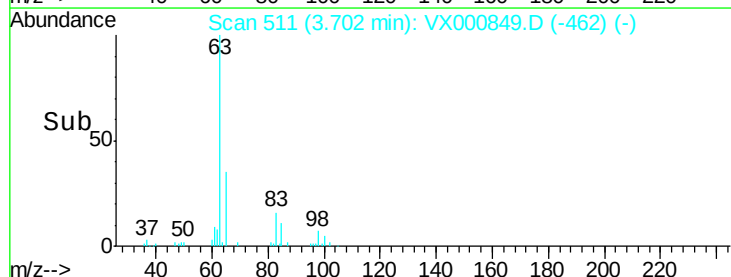
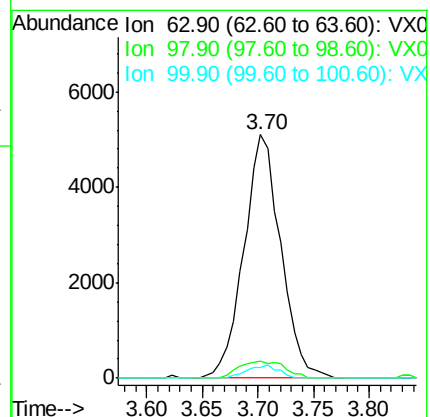
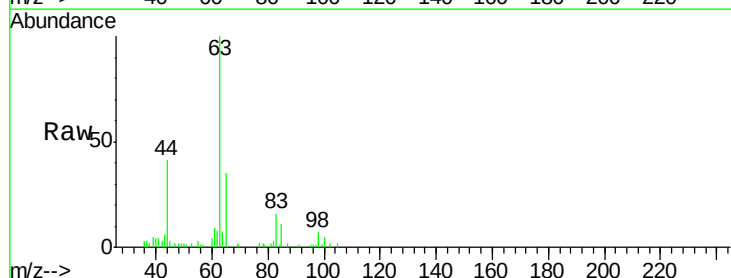
Tgt Ion: 63 Resp: 11774

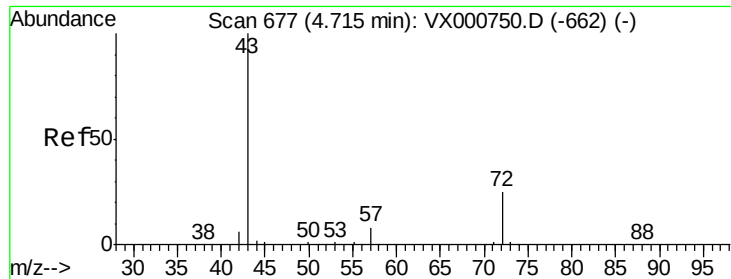
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 12.80 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

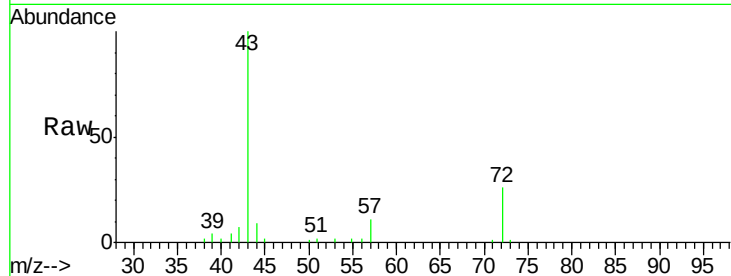
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 23156

Ion Ratio Lower Upper

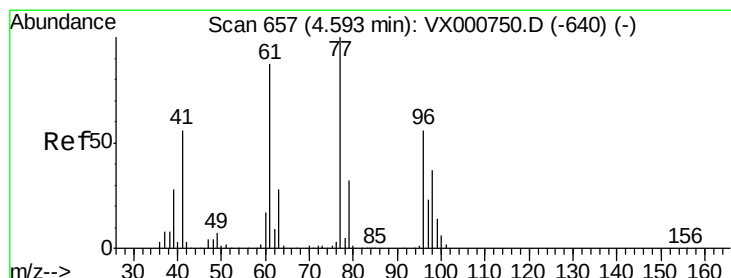
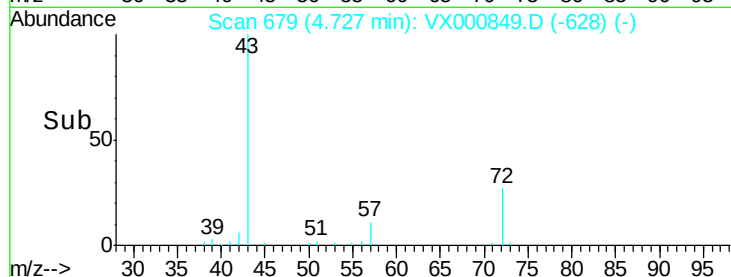
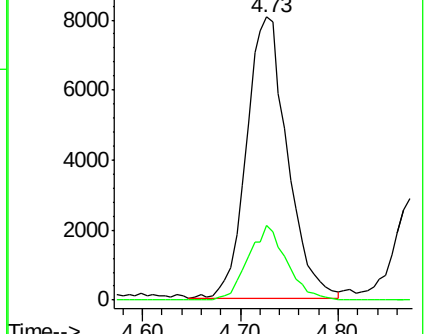
43 100

72 26.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.39 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000849.D

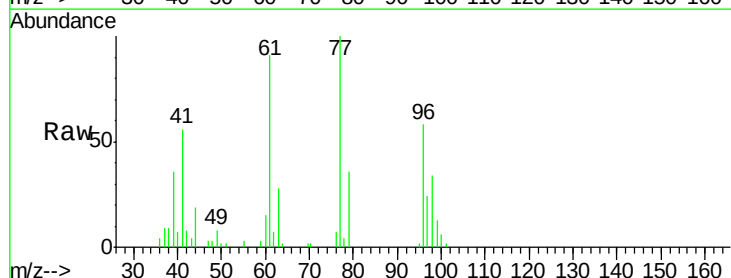
Acq: 13 Apr 2018 15:08

Tgt Ion: 77 Resp: 10467

Ion Ratio Lower Upper

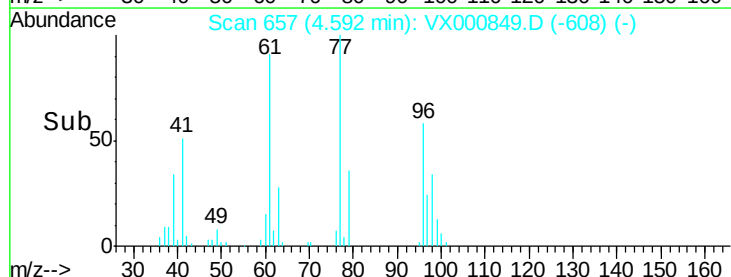
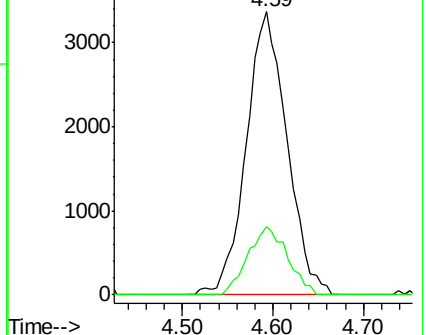
77 100

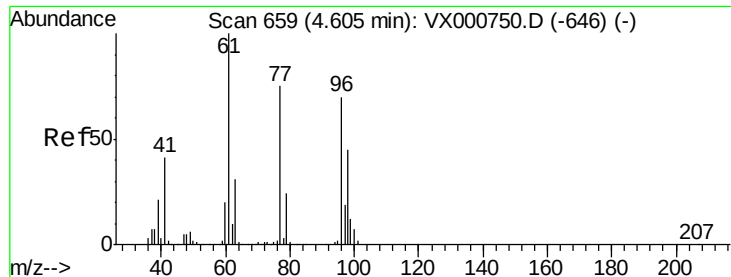
97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 2.69 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

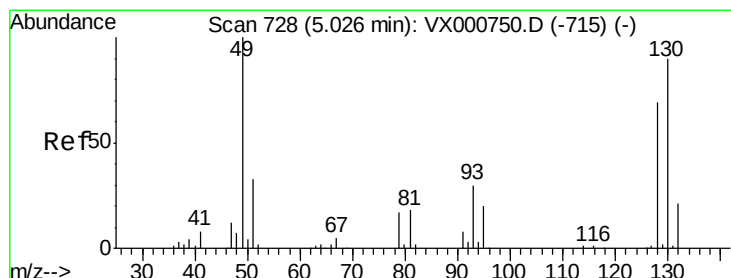
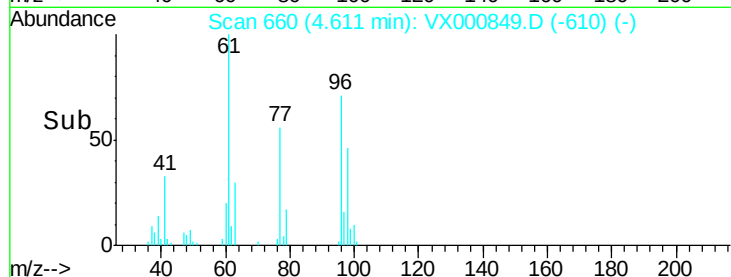
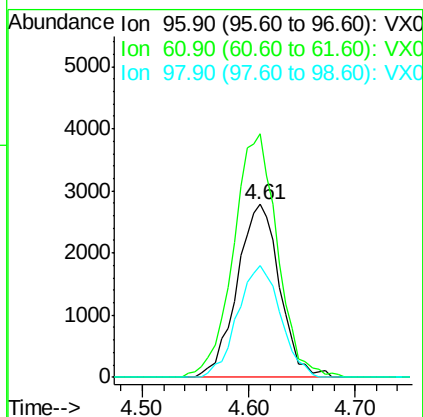
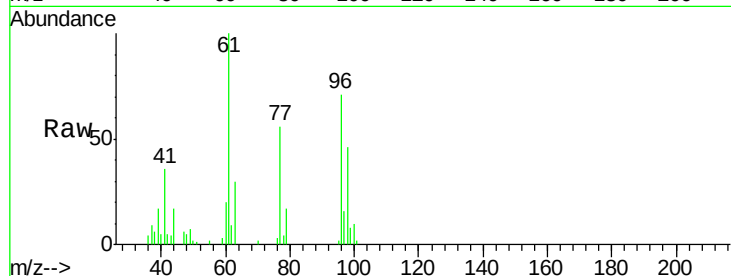
Tgt Ion: 96 Resp: 7780

Ion Ratio Lower Upper

96 100

61 145.9 0.0 292.4

98 65.5 0.0 130.2



#28

Bromochloromethane

Concen: 0.59 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.19 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

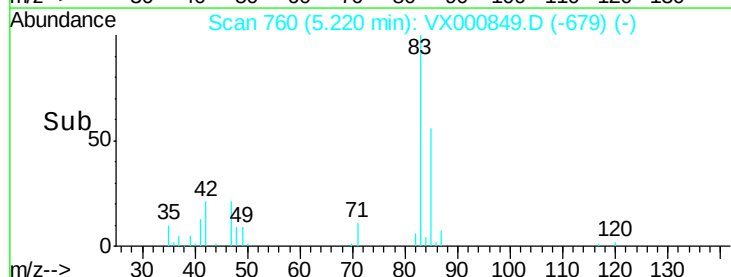
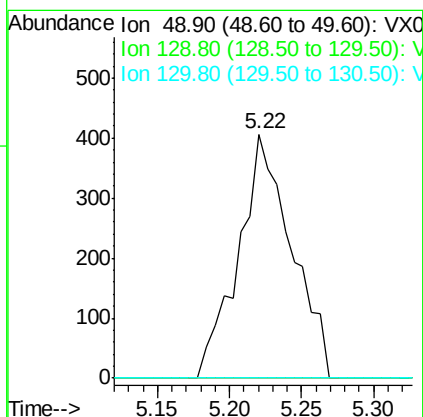
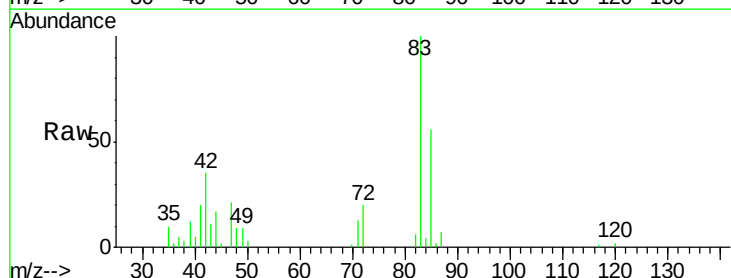
Tgt Ion: 49 Resp: 1040

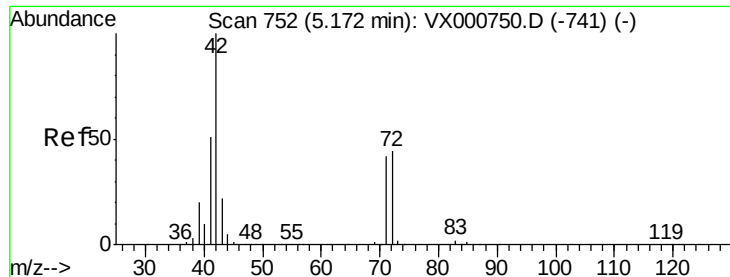
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 0.0 72.6 109.0#





#29

Tetrahydrofuran

Concen: 13.62 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

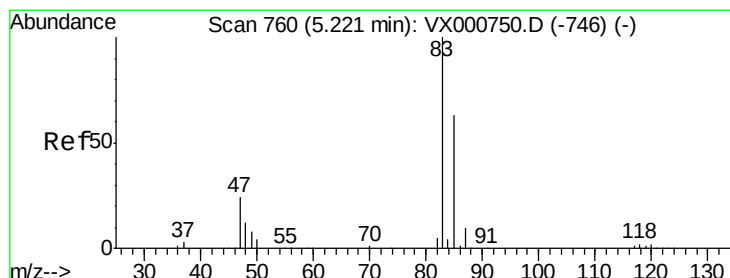
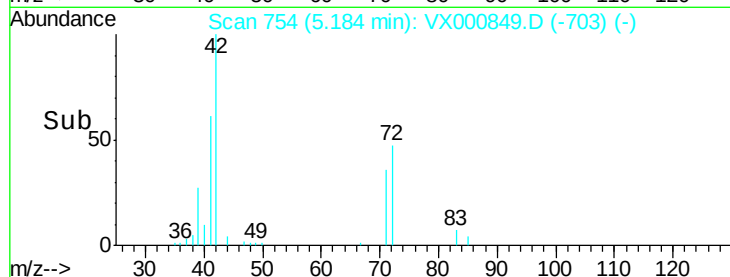
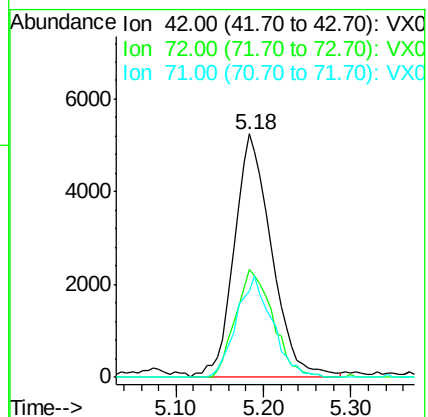
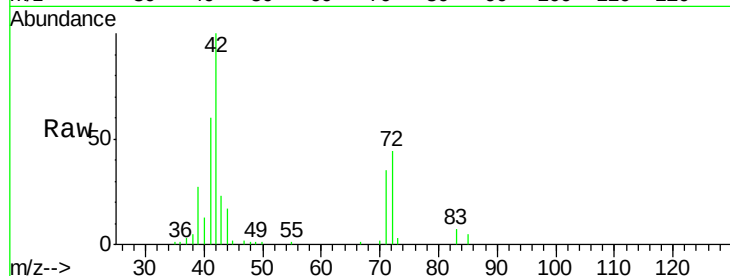
Tgt Ion: 42 Resp: 15642

Ion Ratio Lower Upper

42 100

72 44.1 35.1 52.7

71 39.9 32.8 49.2



#30

Chloroform

Concen: 2.61 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX000849.D

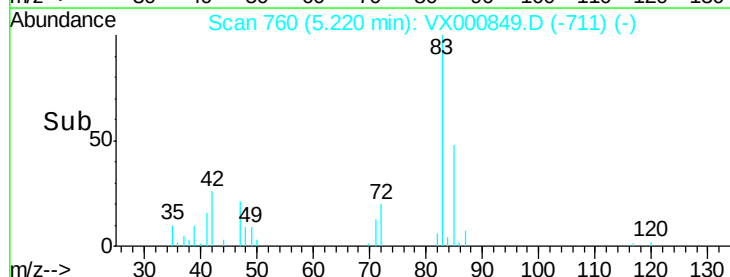
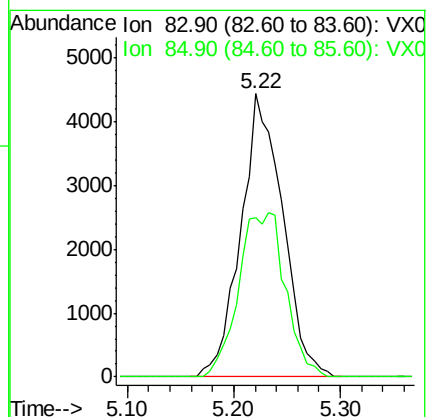
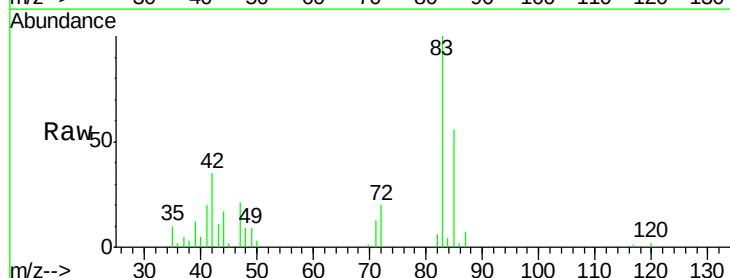
Acq: 13 Apr 2018 15:08

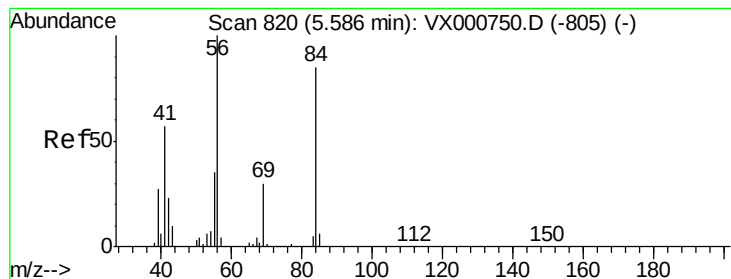
Tgt Ion: 83 Resp: 12204

Ion Ratio Lower Upper

83 100

85 56.1 50.7 76.1





#31

Cyclohexane

Concen: 2.60 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

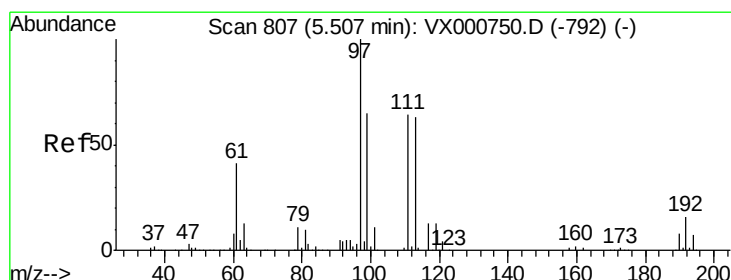
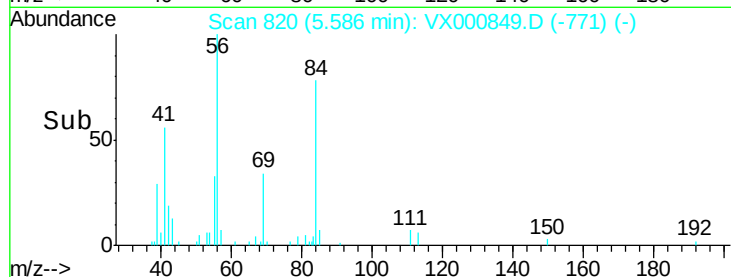
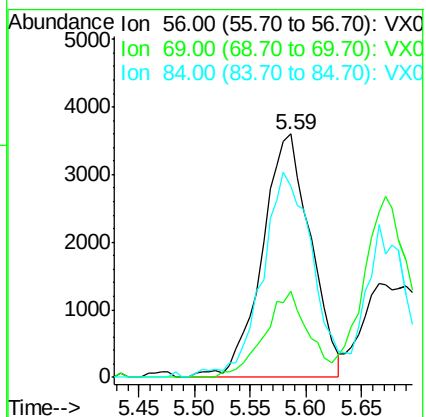
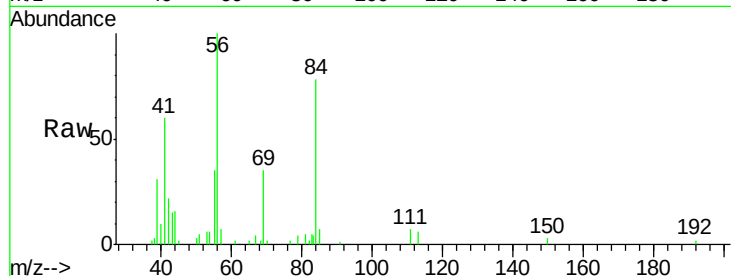
Tgt Ion: 56 Resp: 10887

Ion Ratio Lower Upper

56 100

69 35.5 24.2 36.4

84 78.3 67.6 101.4



#32

1,1,1-Trichloroethane

Concen: 2.47 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

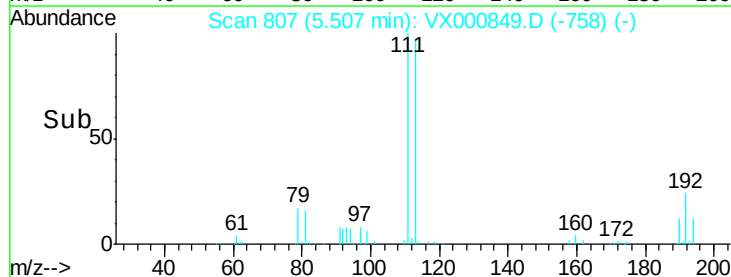
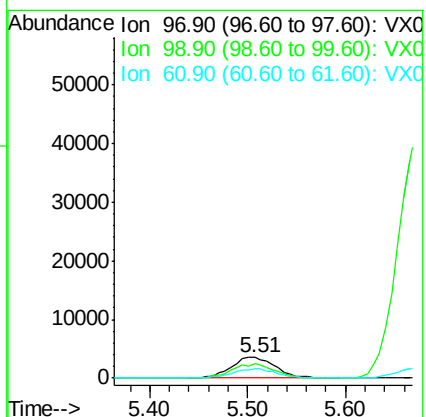
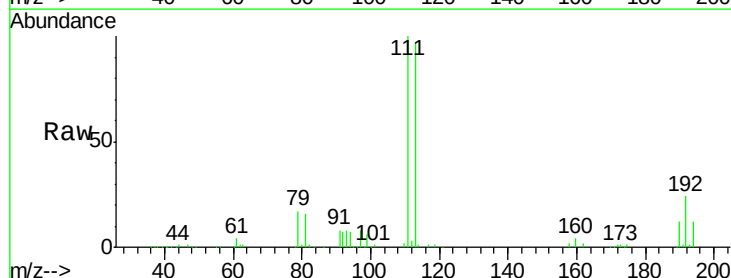
Tgt Ion: 97 Resp: 10997

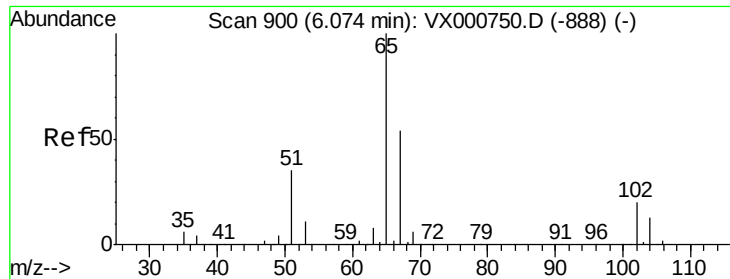
Ion Ratio Lower Upper

97 100

99 66.6 51.4 77.0

61 44.4 33.7 50.5

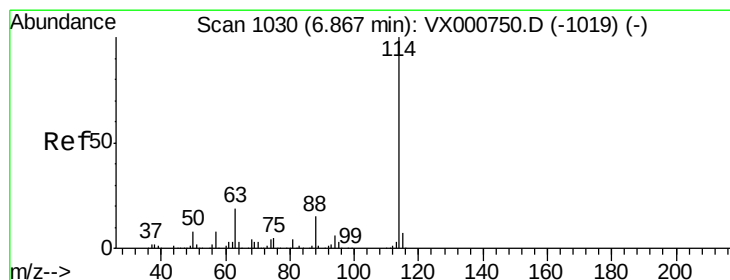
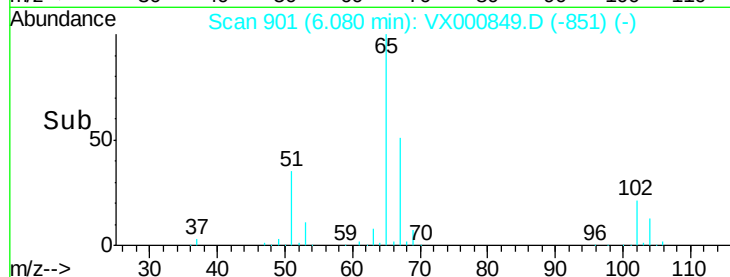
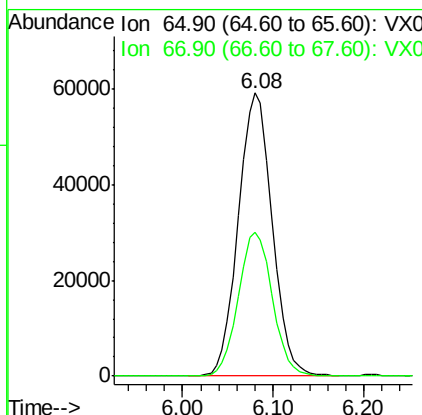
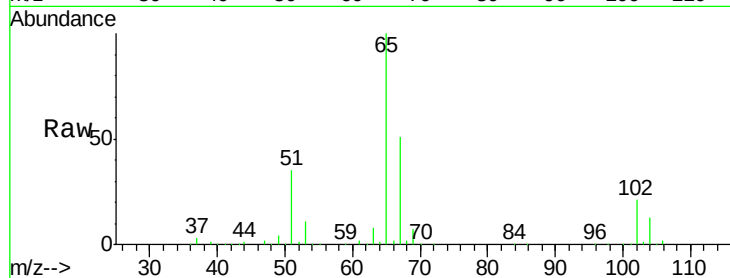




#33
 1,2-Dichloroethane-d4
 Concen: 48.17 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

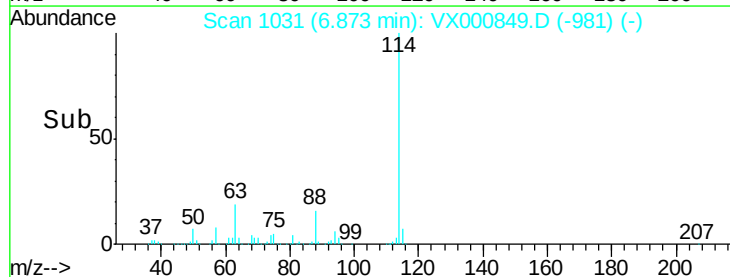
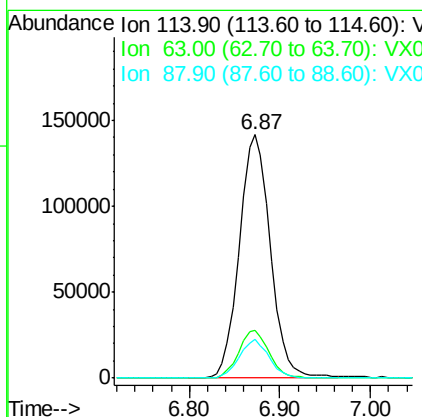
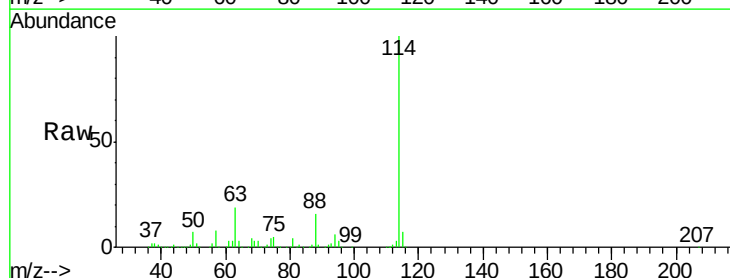
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

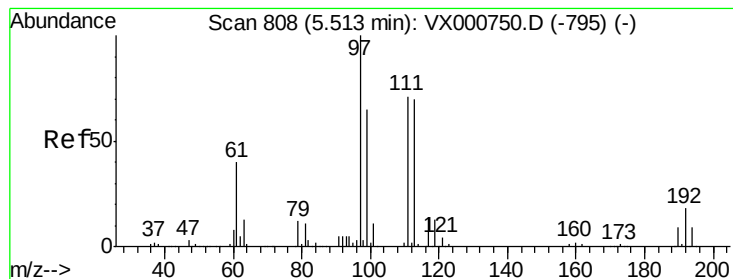
Tgt Ion: 65 Resp: 152996
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 114 Resp: 336795
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.32 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

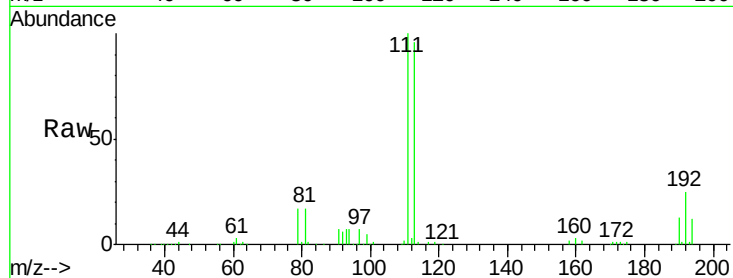
Tgt Ion:113 Resp: 125387

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

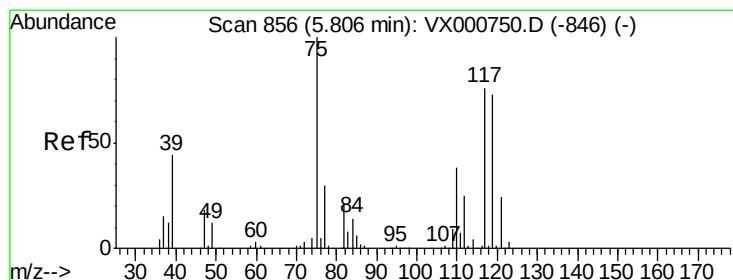
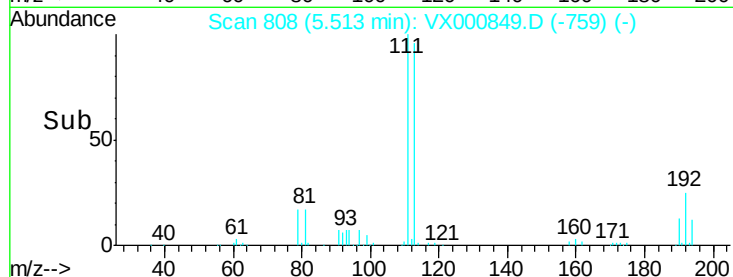
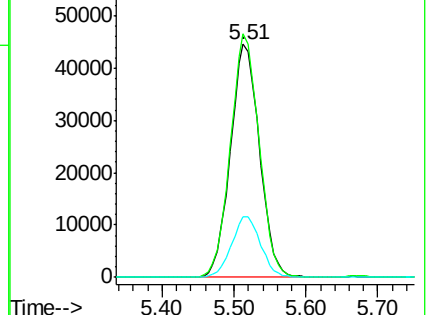
192 25.8 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.69 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

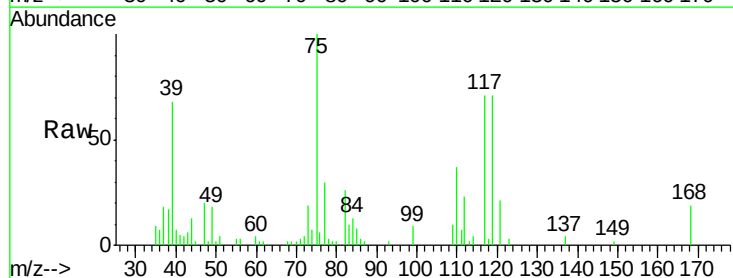
Tgt Ion: 75 Resp: 9992

Ion Ratio Lower Upper

75 100

110 36.6 19.2 57.6

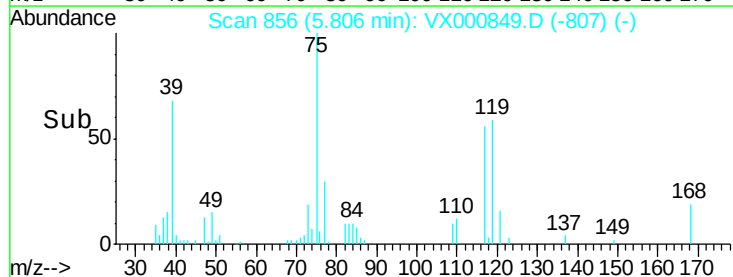
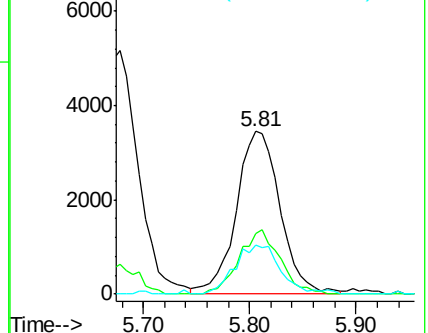
77 31.6 25.4 38.2

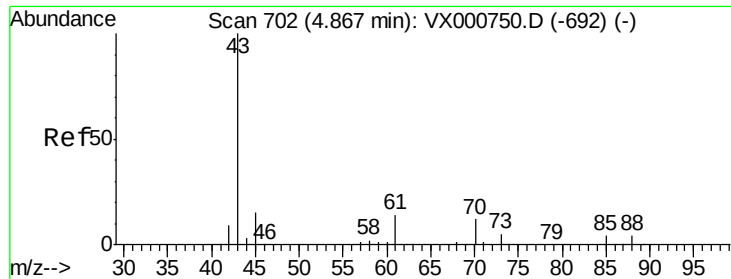


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

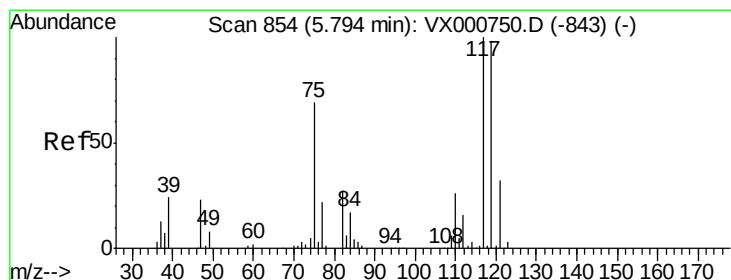
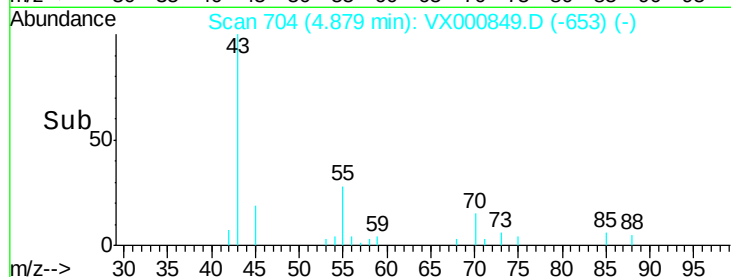
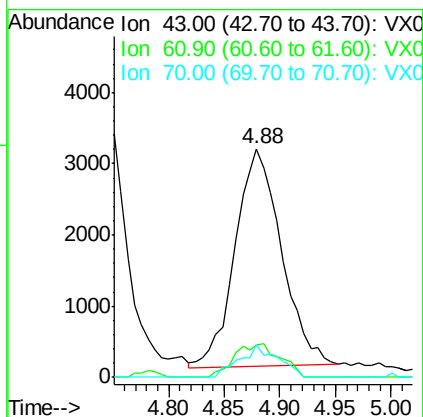
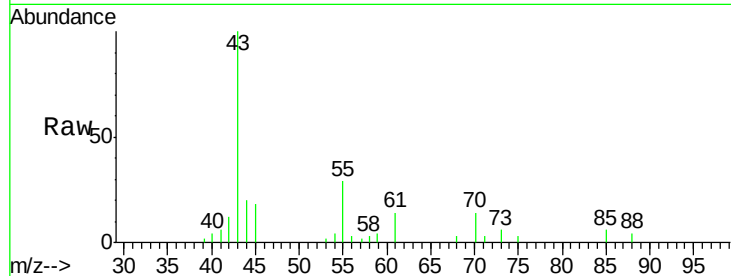




#37
Ethyl Acetate
Concen: 2.45 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

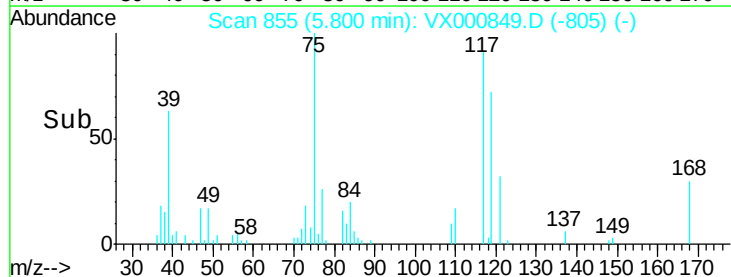
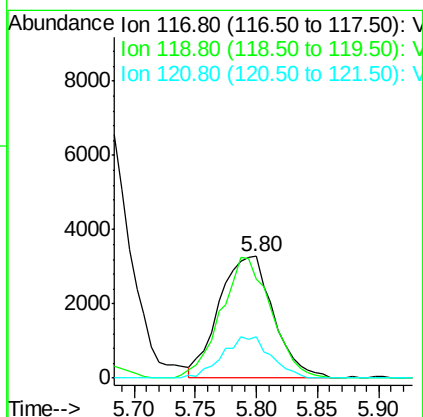
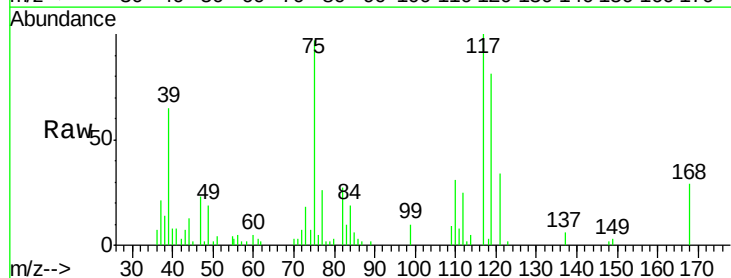
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

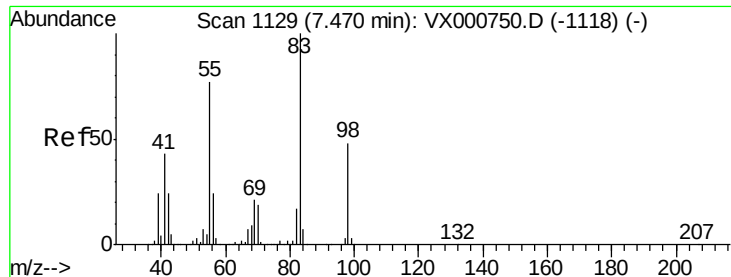
Tgt Ion: 43 Resp: 8854
Ion Ratio Lower Upper
43 100
61 15.1 11.0 16.4
70 12.2 8.7 13.1



#38
Carbon Tetrachloride
Concen: 2.44 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion: 117 Resp: 10132
Ion Ratio Lower Upper
117 100
119 81.4 78.4 117.6
121 33.8 25.4 38.0

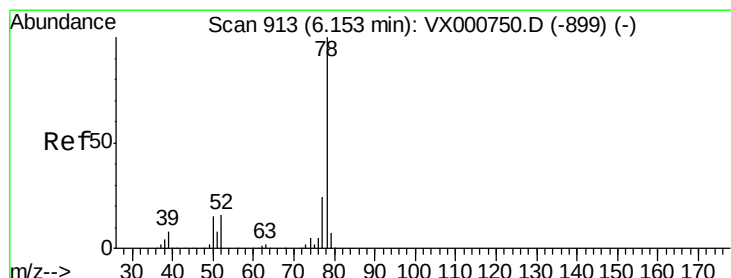
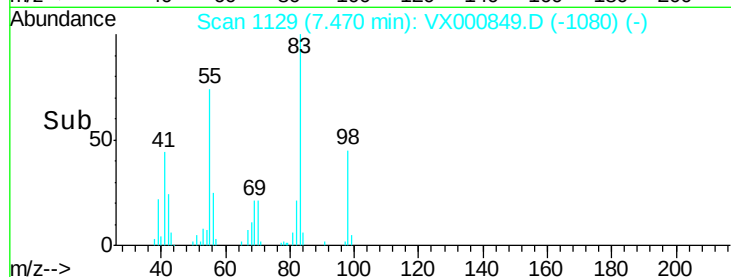
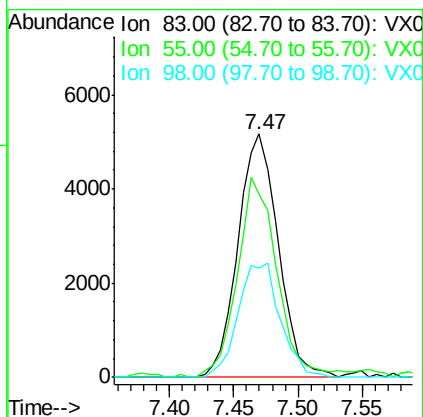
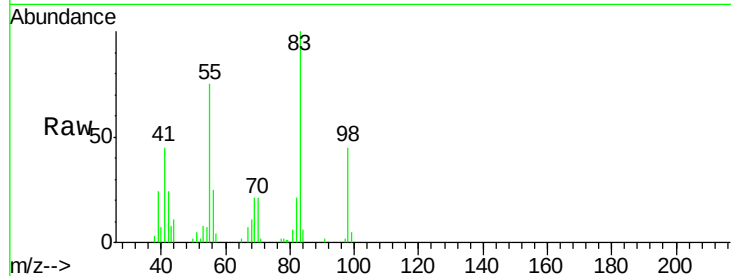




#39
Methylcyclohexane
Concen: 2.51 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

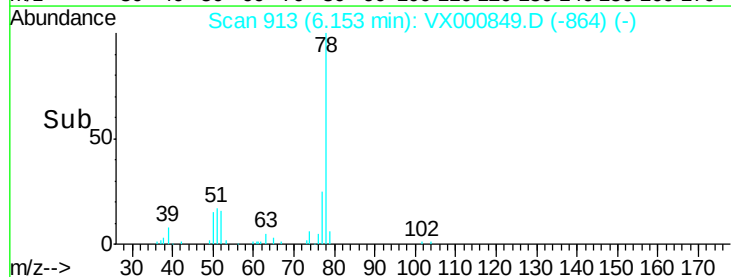
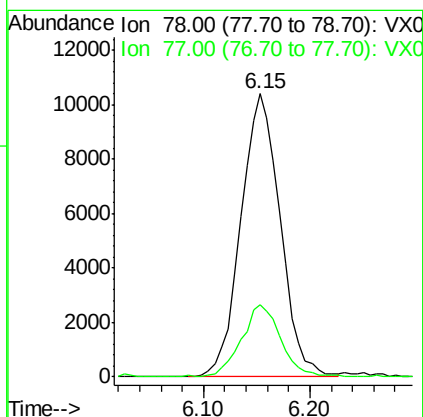
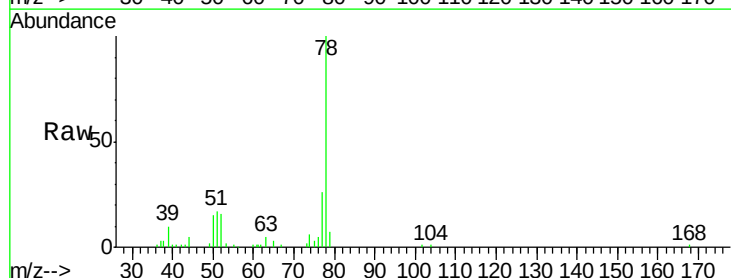
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

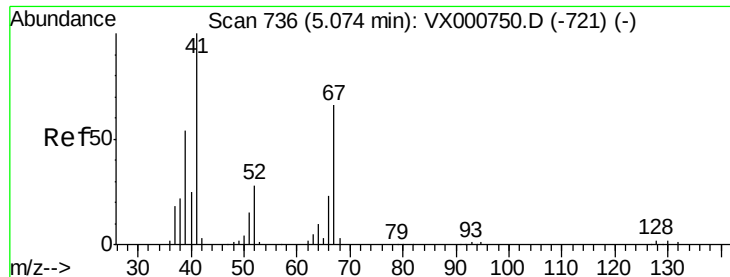
Tgt Ion: 83 Resp: 11199
Ion Ratio Lower Upper
83 100
55 75.3 61.5 92.3
98 44.9 38.1 57.1



#40
Benzene
Concen: 2.62 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion: 78 Resp: 27004
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

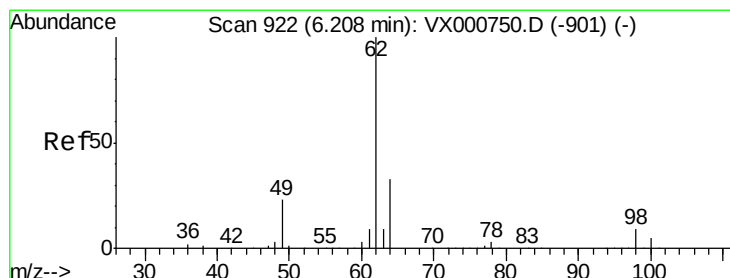
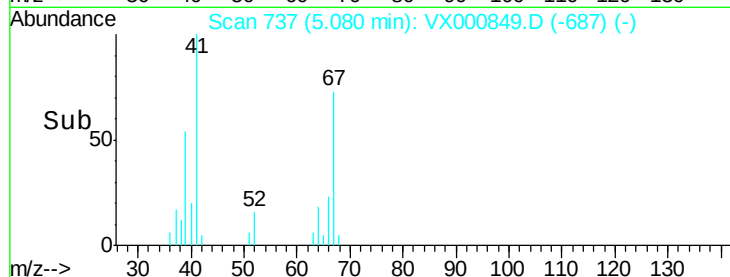
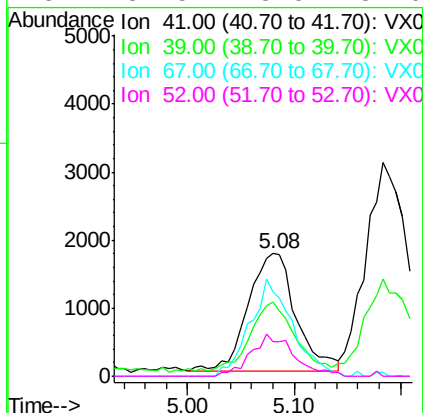
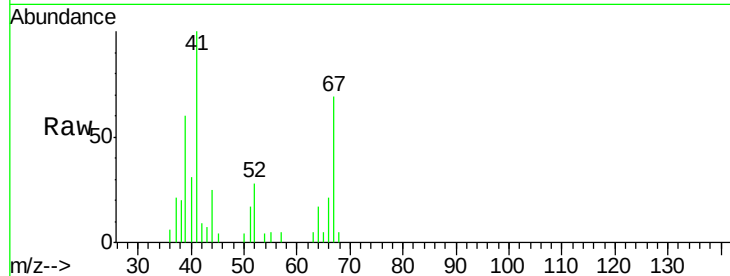




#41
Methacrylonitrile
Concen: 2.59 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

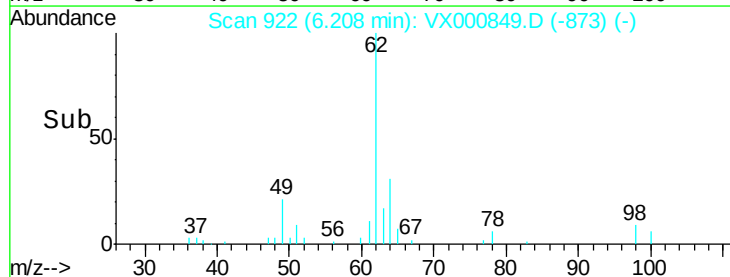
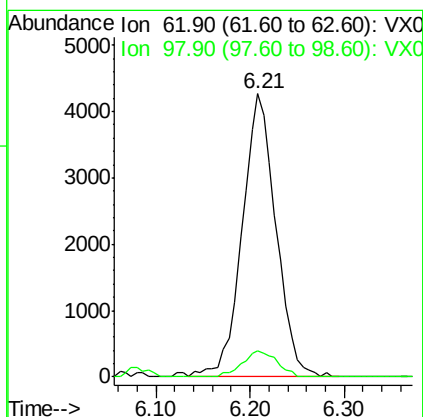
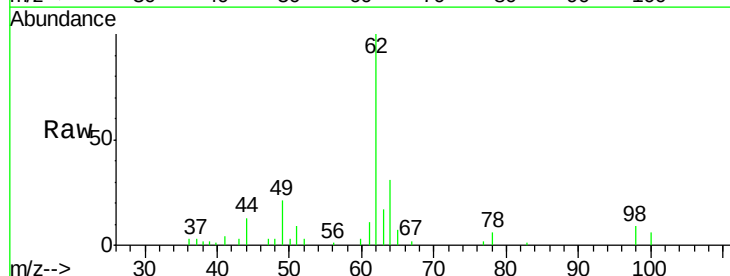
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

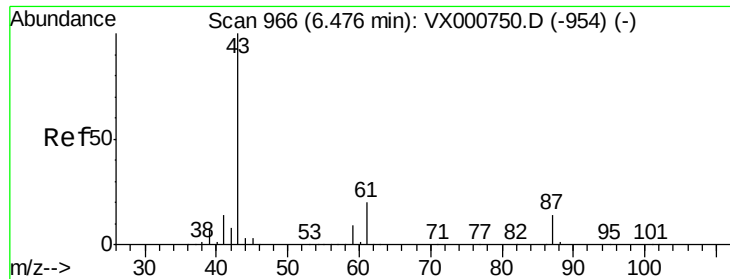
Tgt Ion:	41	Resp:	5426
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.9	67.3
67	72.3	54.7	82.1
52	32.5	23.0	34.6



#42
1,2-Dichloroethane
Concen: 2.78 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion:	62	Resp:	10720
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6

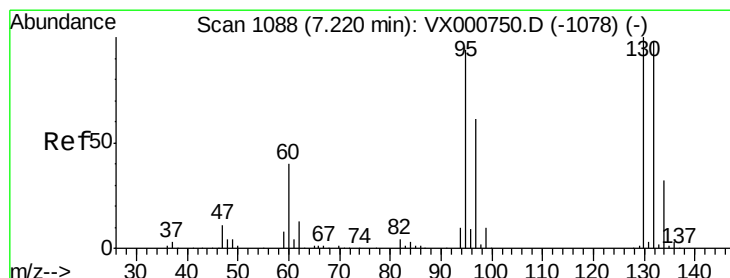
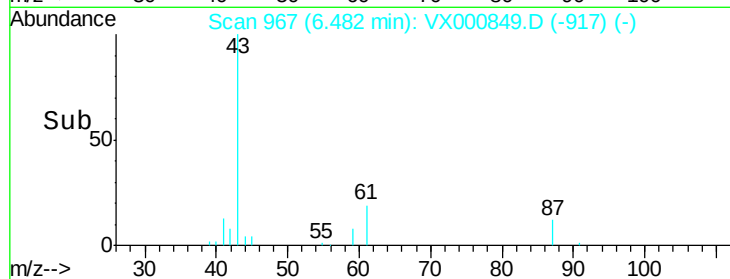
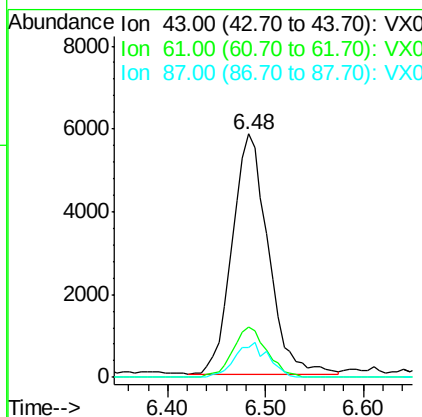
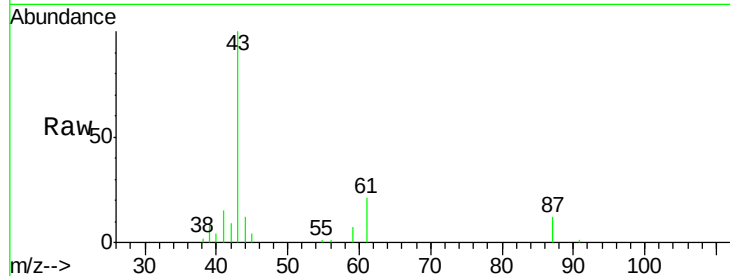




#43
Isopropyl Acetate
Concen: 2.41 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

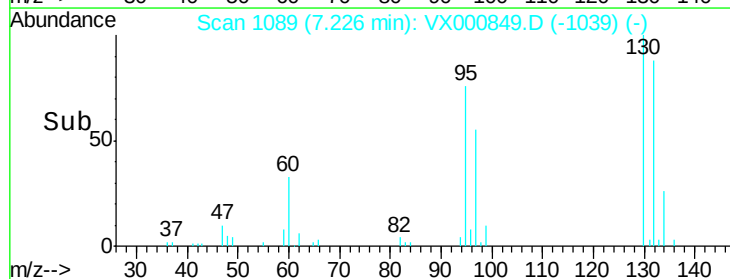
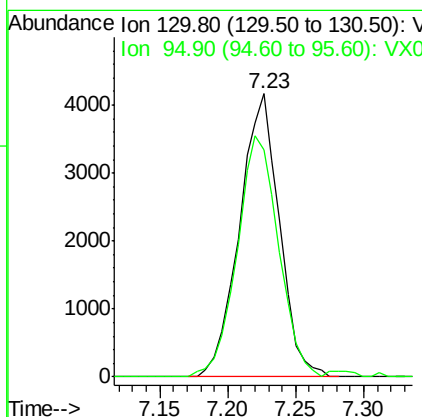
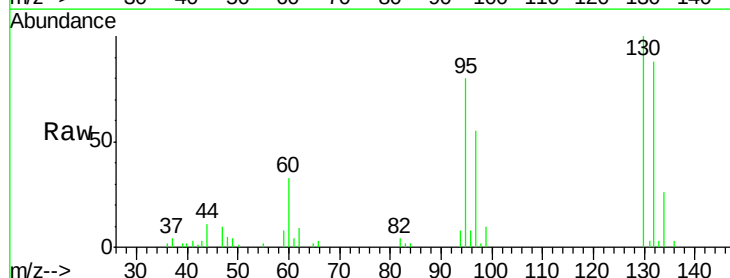
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

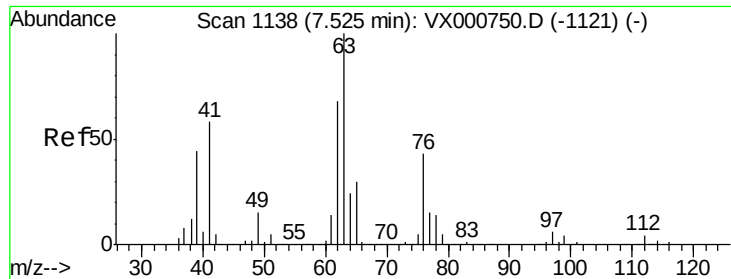
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4
87	13.3	10.7	16.1



#44
Trichloroethene
Concen: 2.66 ug/l
RT: 7.23 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	80.2	0.0	187.0

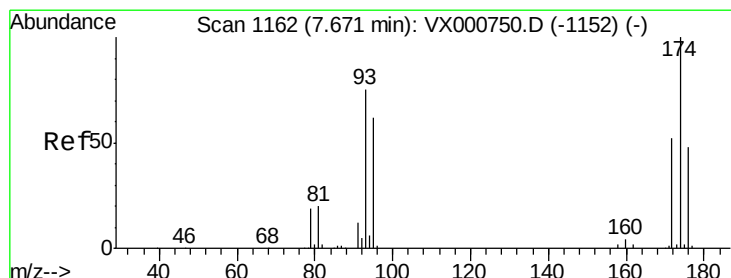
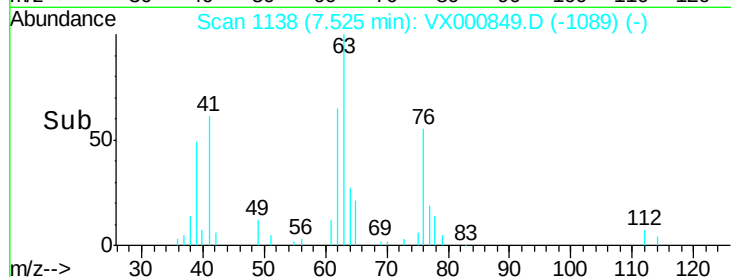
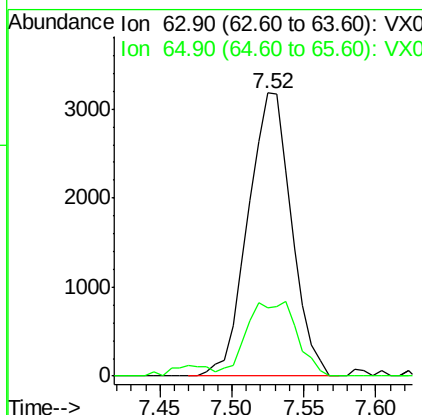
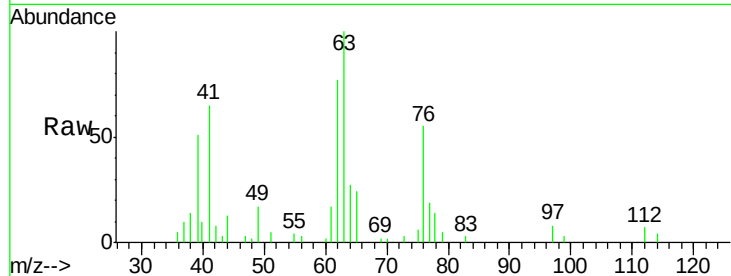




#45
 1,2-Dichloropropane
 Concen: 2.53 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

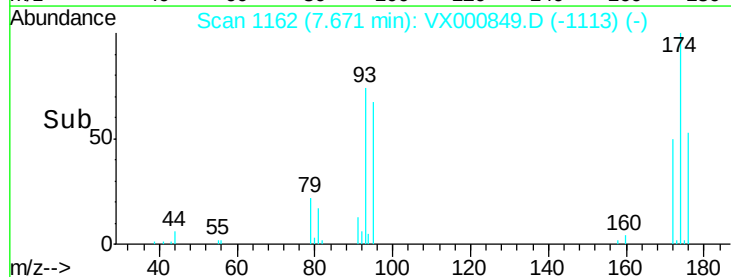
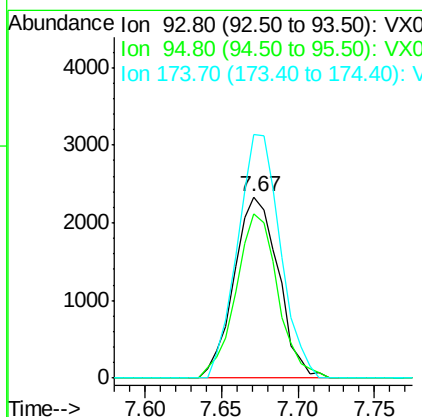
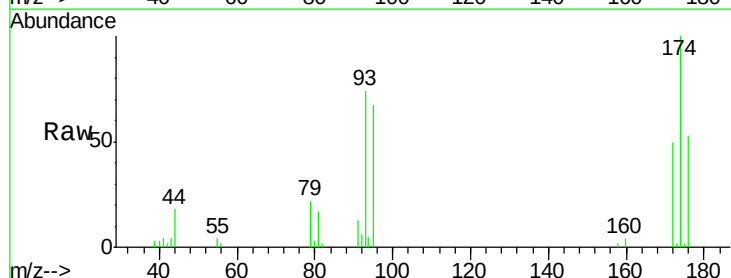
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

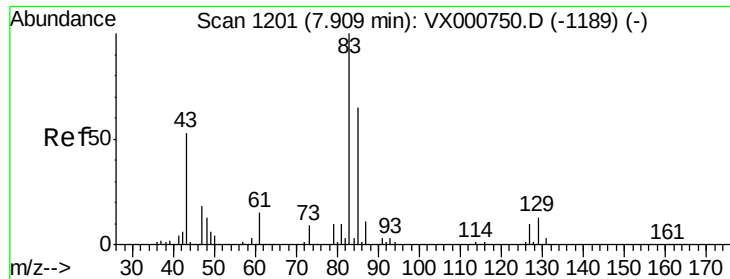
Tgt Ion: 63 Resp: 6649
 Ion Ratio Lower Upper
 63 100
 65 24.4 23.7 35.5



#46
 Dibromomethane
 Concen: 2.56 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 93 Resp: 4681
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.6 100.0
 174 130.1 104.5 156.7





#47

Bromodichloromethane

Concen: 2.33 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

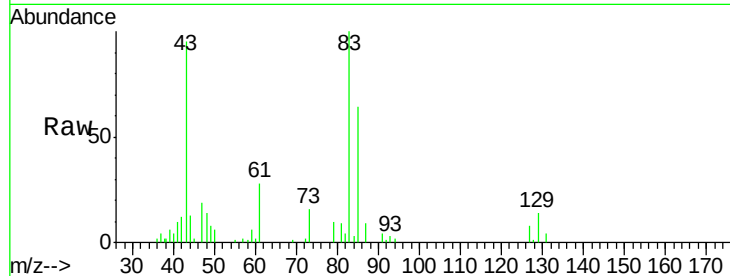
Tgt Ion: 83 Resp: 8591

Ion Ratio Lower Upper

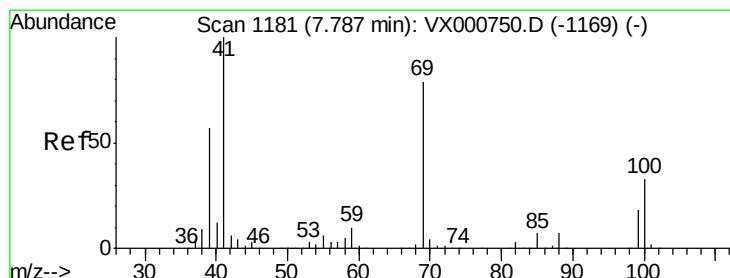
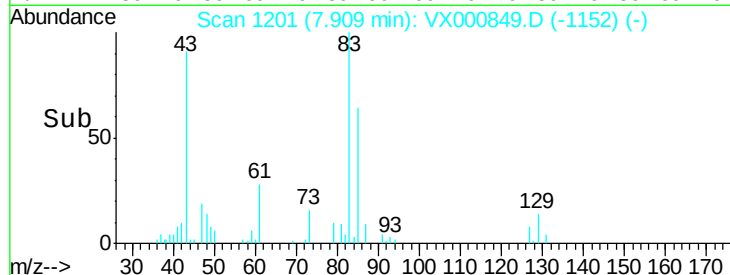
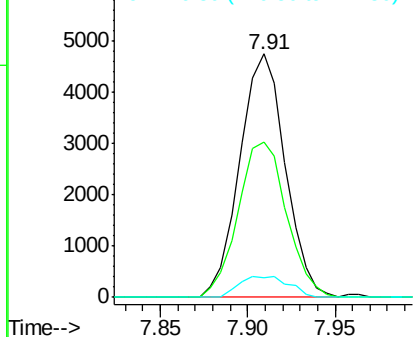
83 100

85 63.6 52.2 78.4

127 7.9 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.54 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

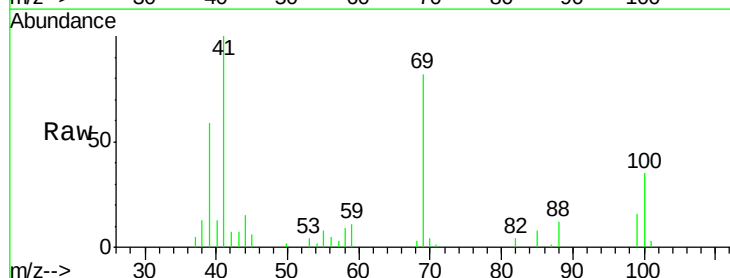
Tgt Ion: 41 Resp: 8188

Ion Ratio Lower Upper

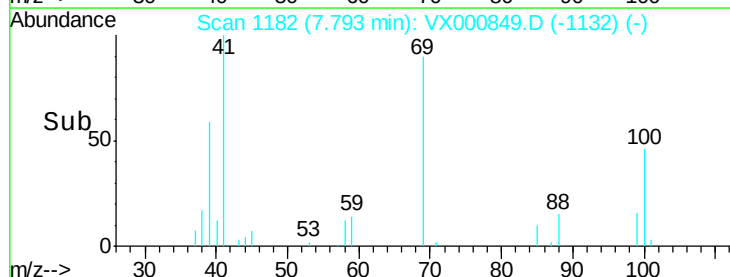
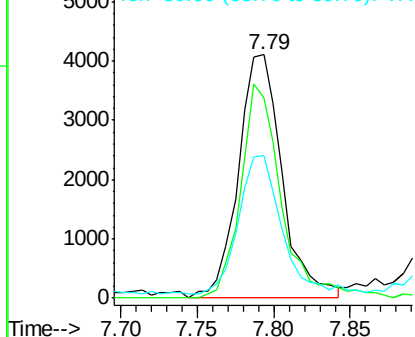
41 100

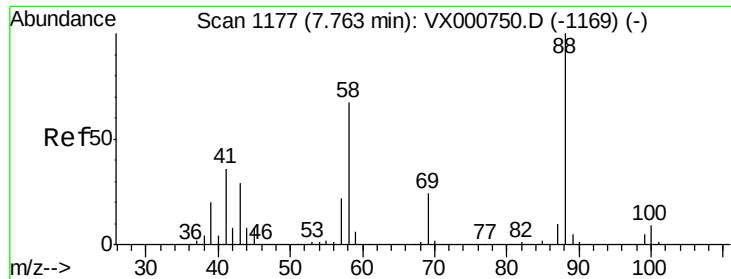
69 81.9 63.9 95.9

39 56.3 45.9 68.9



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

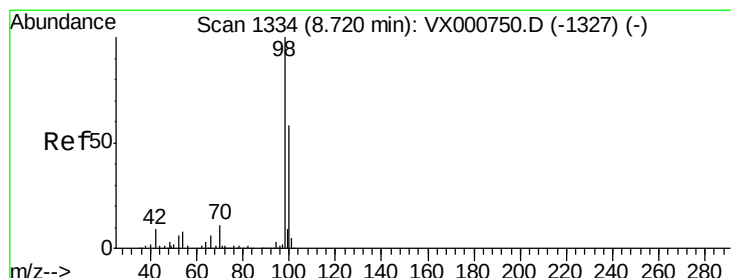
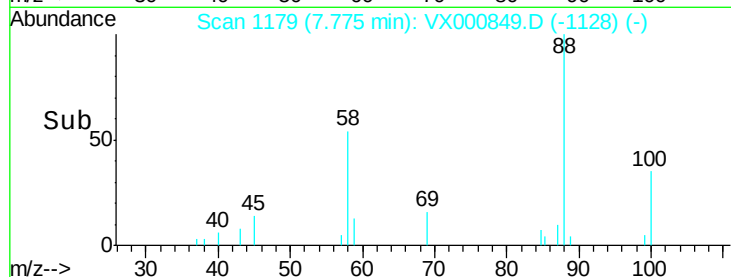
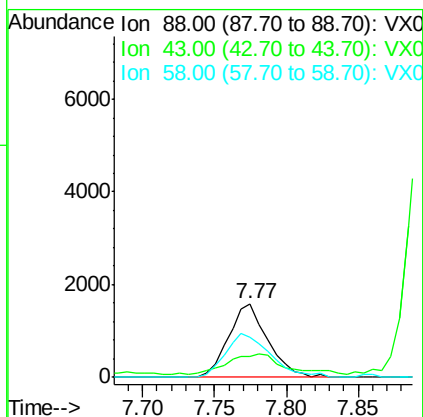
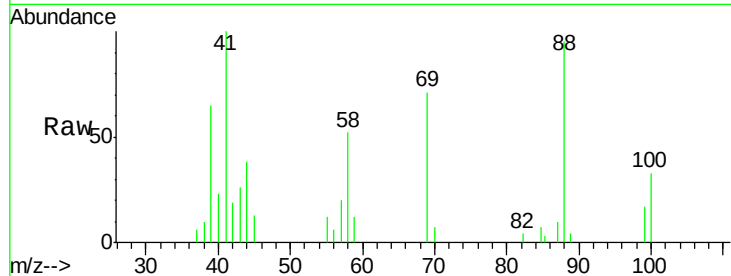




#49
 1,4-Dioxane
 Concen: 46.44 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

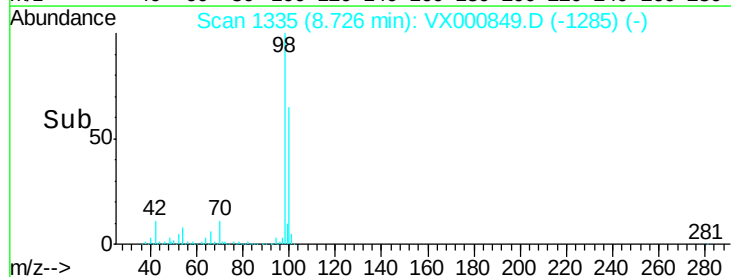
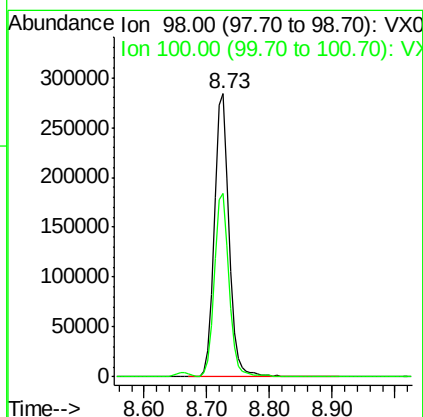
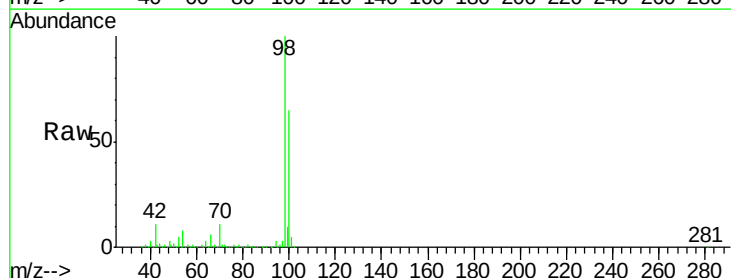
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

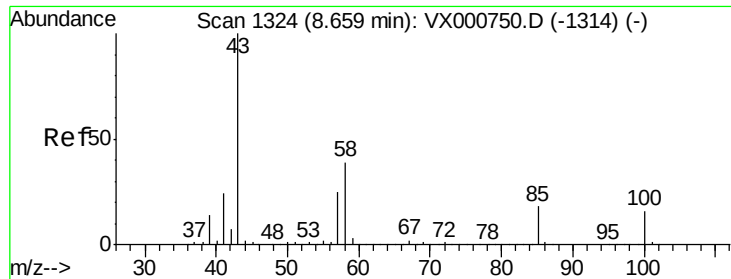
Tgt Ion: 88 Resp: 3003
 Ion Ratio Lower Upper
 88 100
 43 39.8 25.8 38.8#
 58 67.6 54.4 81.6



#50
 Toluene-d8
 Concen: 47.66 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 98 Resp: 460470
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 12.22 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

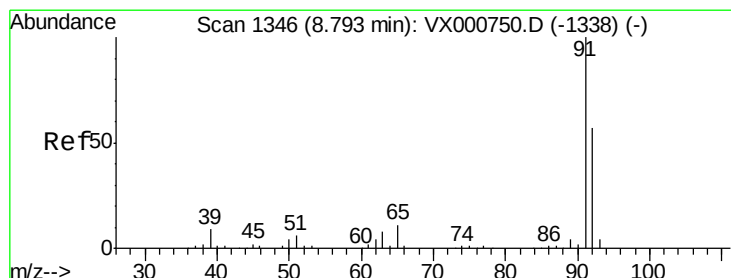
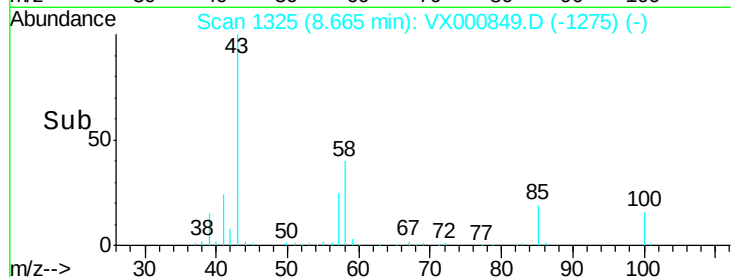
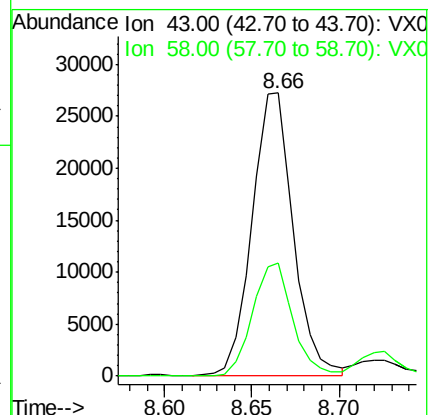
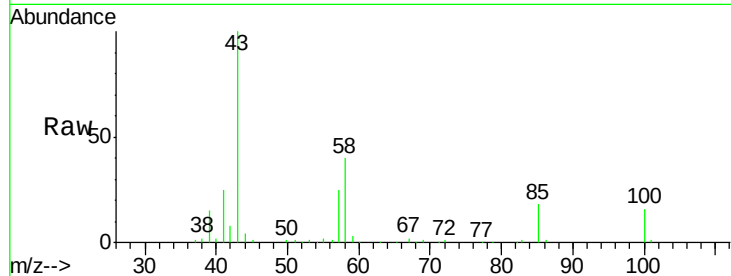
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 44551

Ion Ratio Lower Upper

43 100

58 39.1 30.3 45.5



#52

Toluene

Concen: 2.64 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000849.D

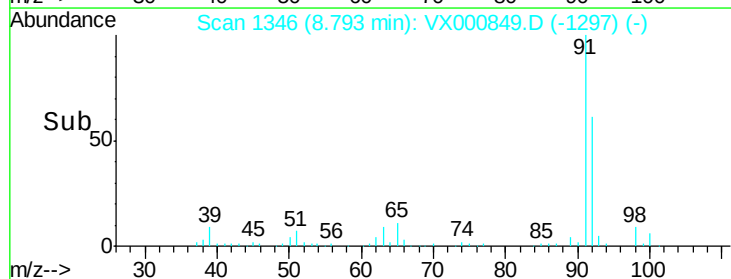
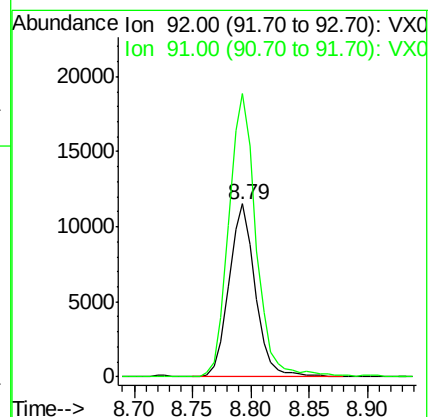
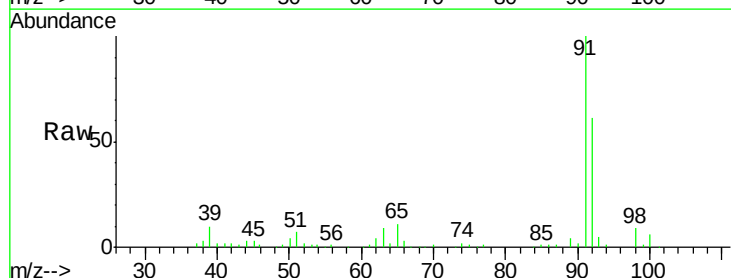
Acq: 13 Apr 2018 15:08

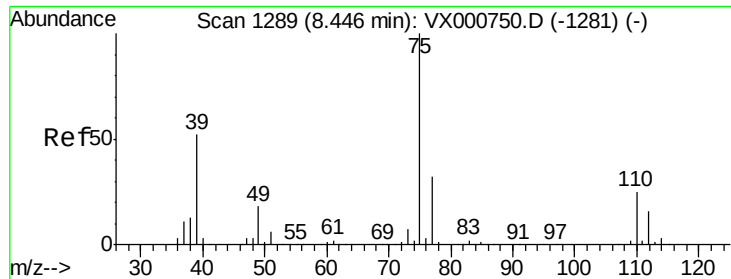
Tgt Ion: 92 Resp: 18034

Ion Ratio Lower Upper

92 100

91 170.6 139.0 208.4

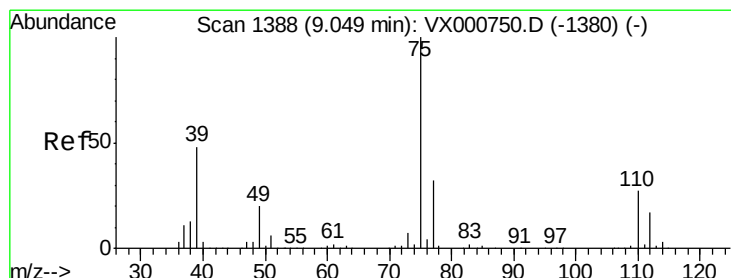
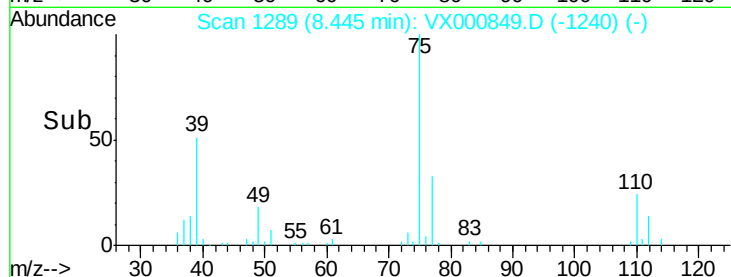
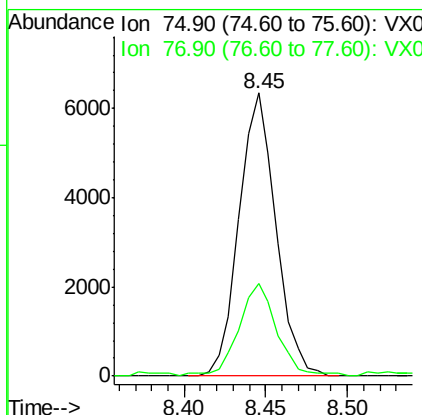
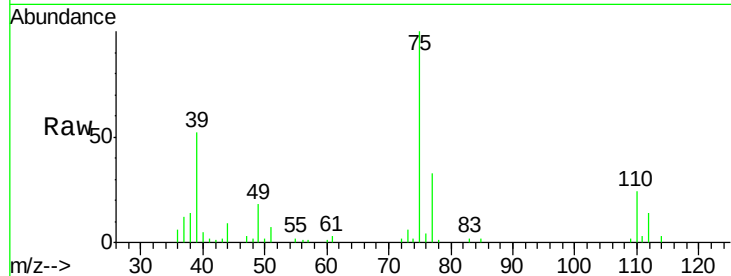




#53
 t-1,3-Dichloropropene
 Concen: 2.26 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

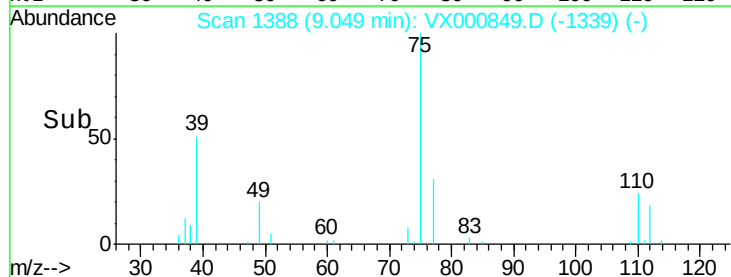
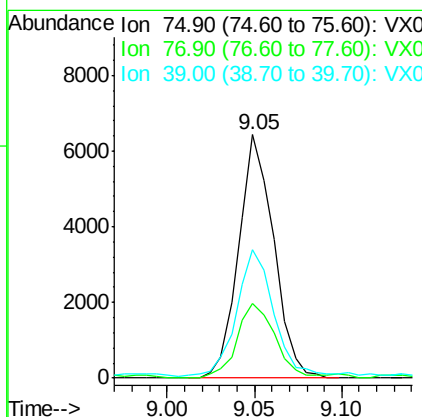
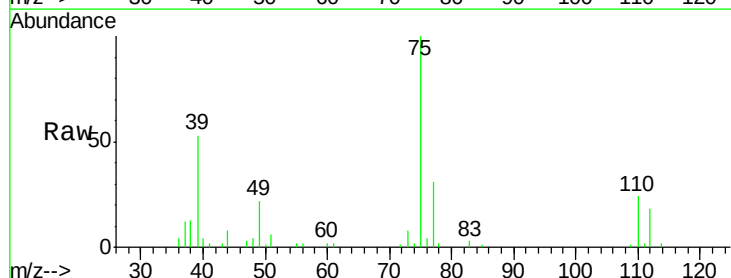
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

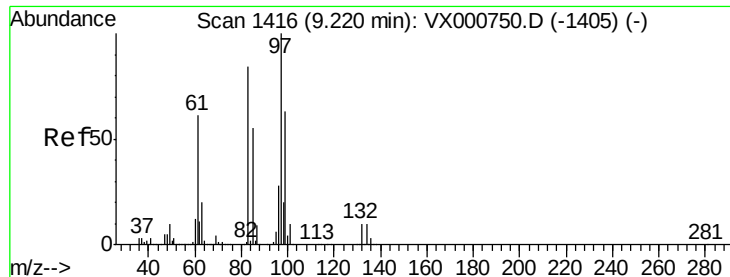
Tgt Ion: 75 Resp: 9999
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 2.09 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 75 Resp: 8997
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2
 39 51.6 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 2.55 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

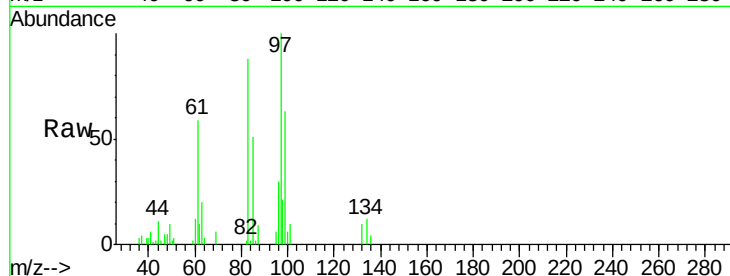
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion:	97	Resp:	6927
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.6	101.4
85	51.2	43.8	65.6
99	62.5	50.2	75.4

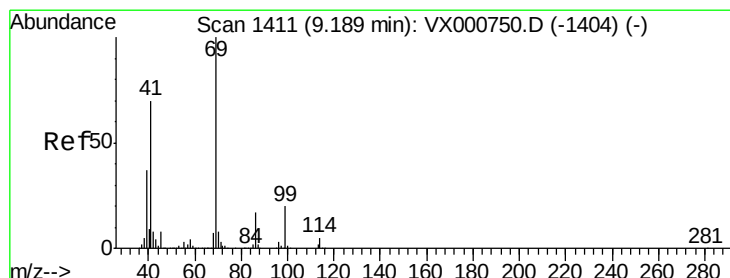
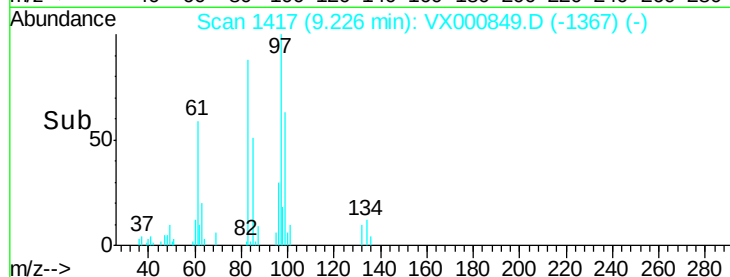
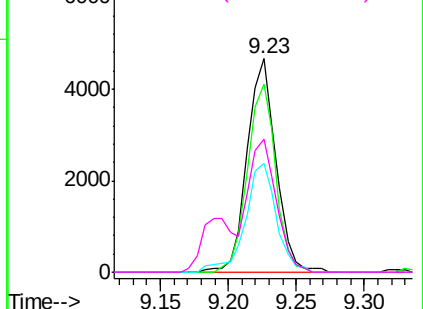


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.47 ug/l

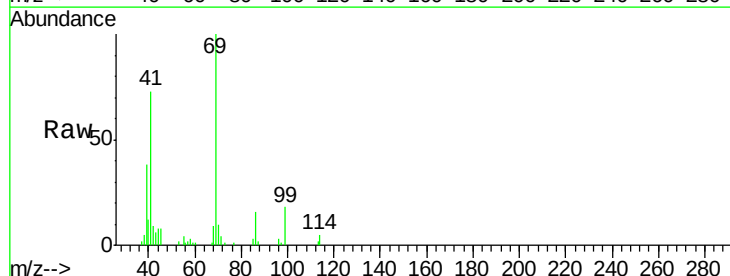
RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

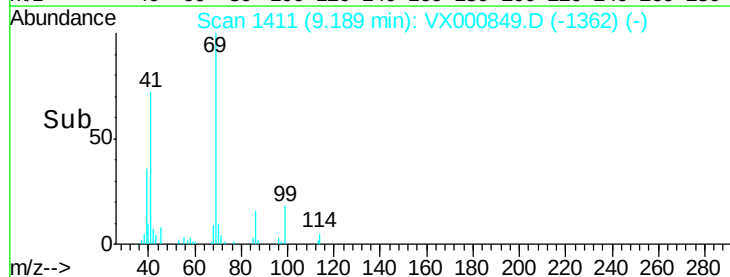
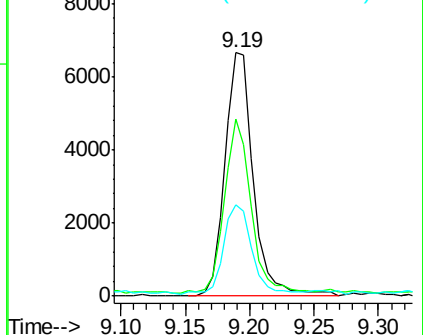
Tgt Ion:	69	Resp:	10353
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.6	83.4
39	36.0	30.3	45.5

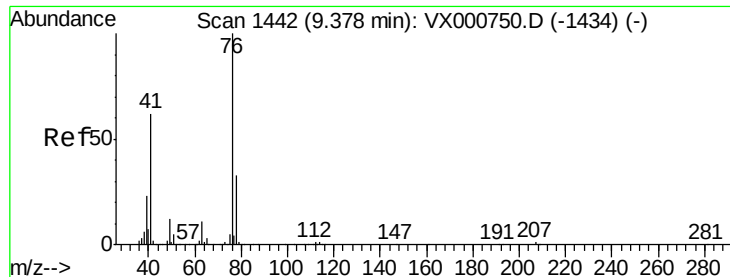


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 2.73 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

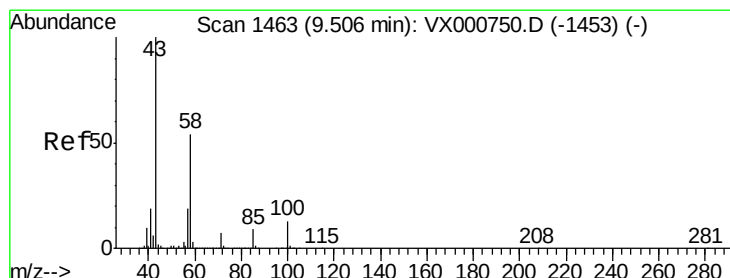
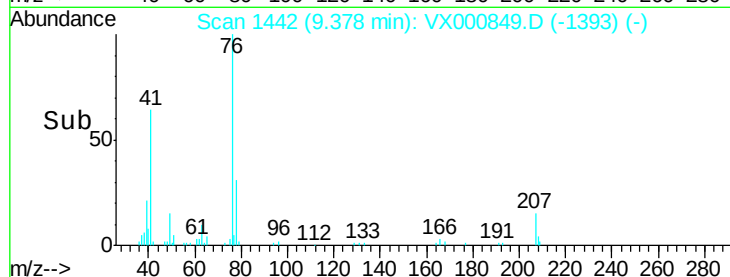
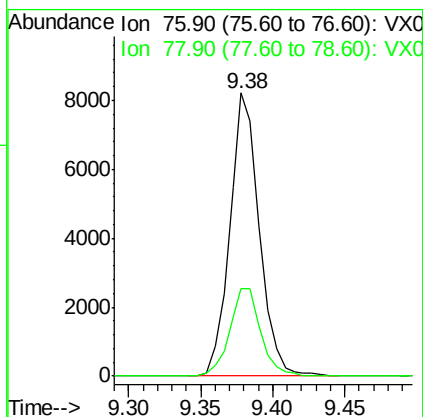
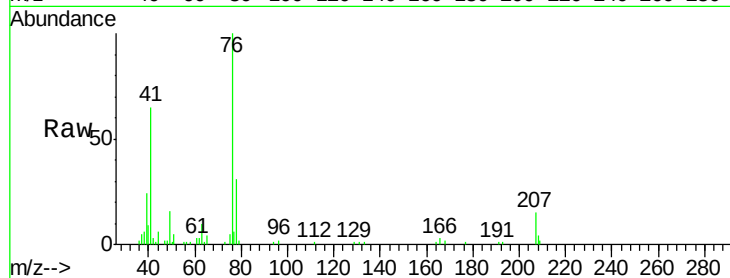
MDL-WATER-03-QT2-2018

Tgt Ion: 76 Resp: 11763

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#59

2-Hexanone

Concen: 12.19 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX000849.D

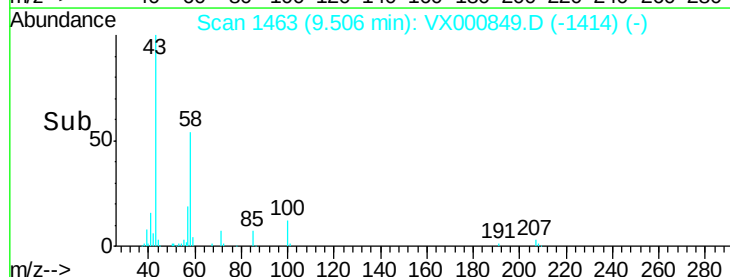
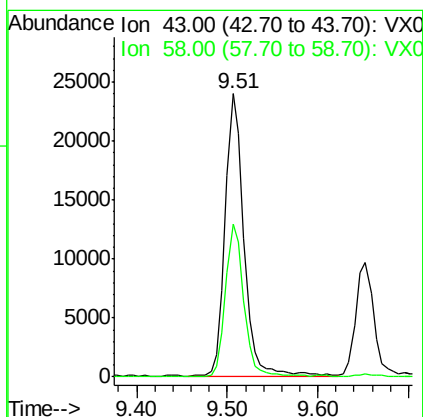
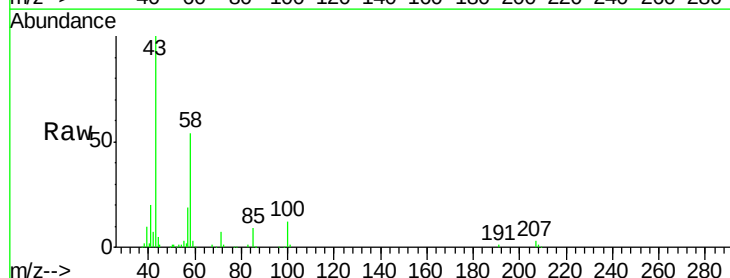
Acq: 13 Apr 2018 15:08

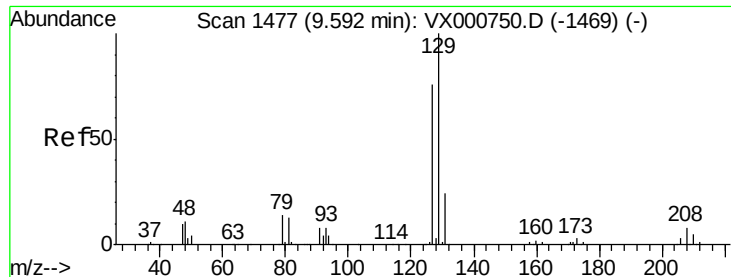
Tgt Ion: 43 Resp: 34306

Ion Ratio Lower Upper

43 100

58 54.1 26.5 79.5





#60

Dibromochloromethane

Concen: 2.04 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

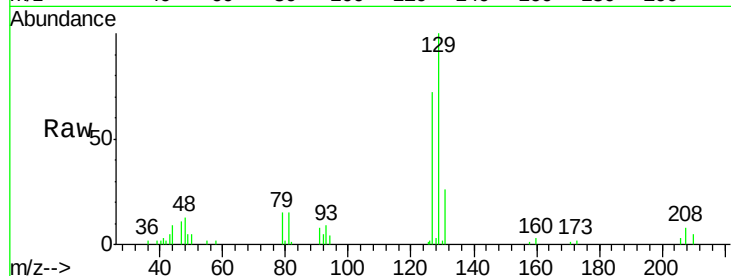
MDL-WATER-03-QT2-2018

Tgt Ion:129 Resp: 6626

Ion Ratio Lower Upper

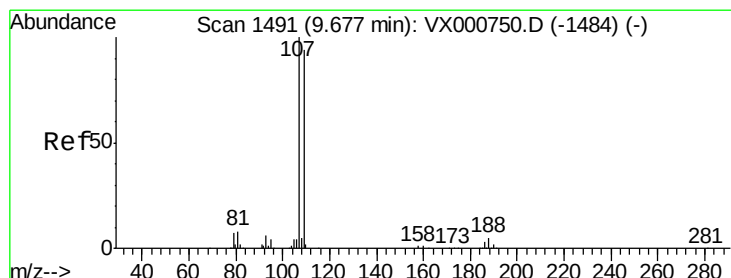
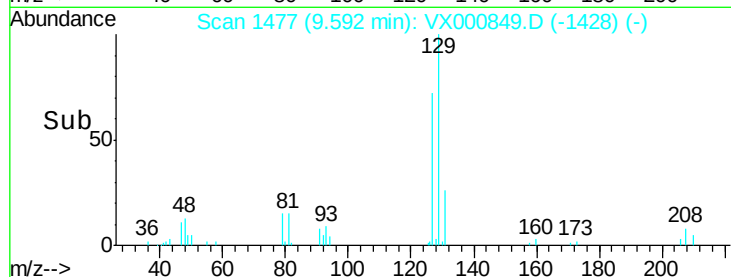
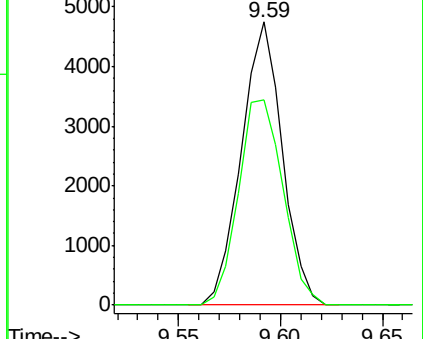
129 100

127 78.7 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.46 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX000849.D

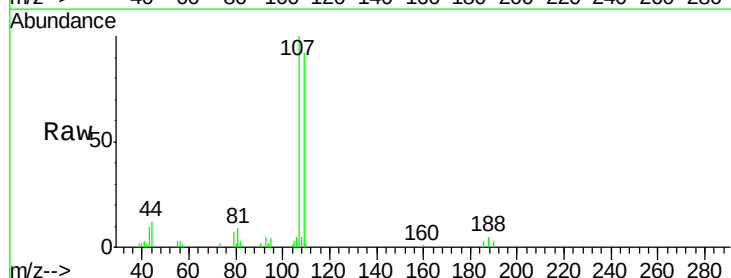
Acq: 13 Apr 2018 15:08

Tgt Ion:107 Resp: 7094

Ion Ratio Lower Upper

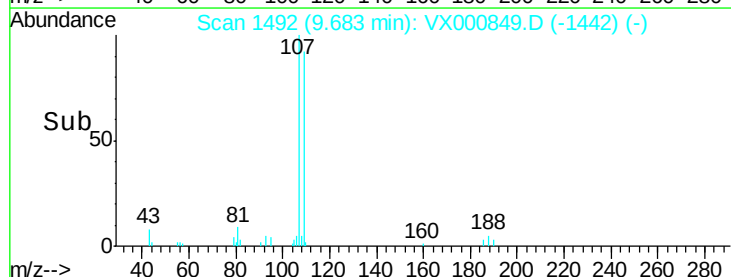
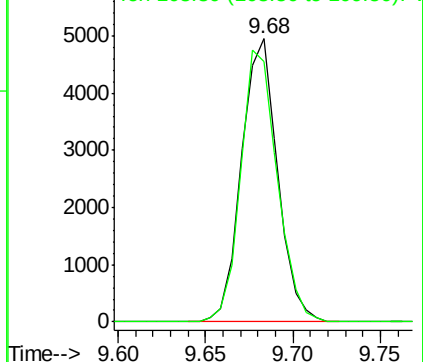
107 100

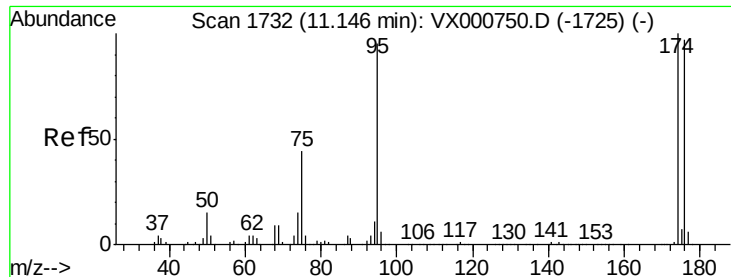
109 97.2 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.69 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

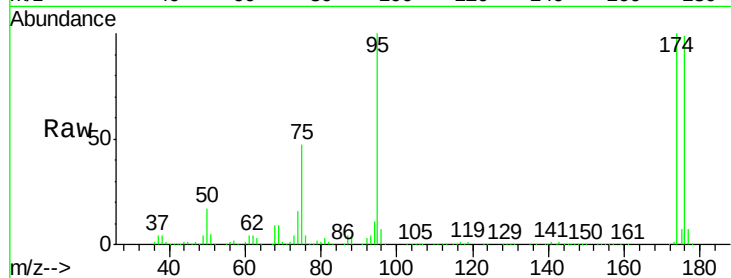
Tgt Ion: 95 Resp: 186633

Ion Ratio Lower Upper

95 100

174 97.4 0.0 198.4

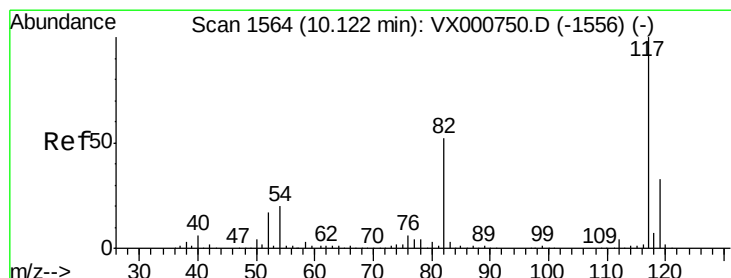
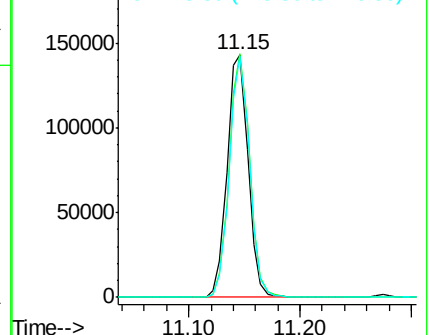
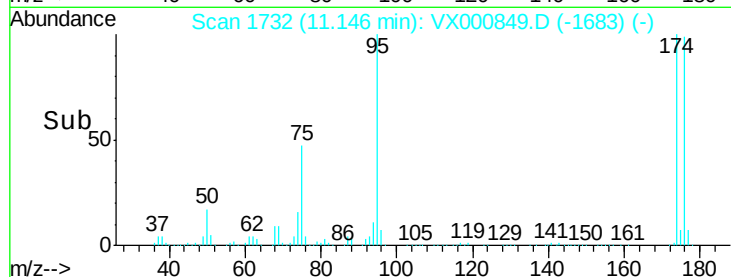
176 95.6 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000849.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000849.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000849.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

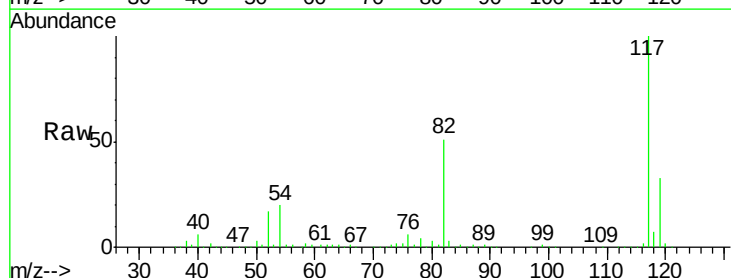
Tgt Ion: 117 Resp: 316926

Ion Ratio Lower Upper

117 100

82 50.8 41.9 62.9

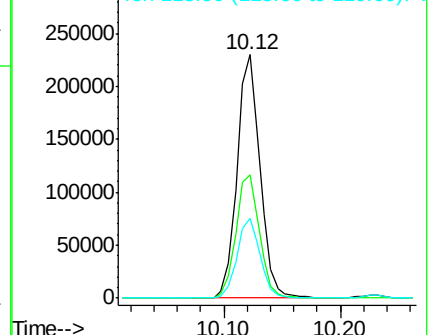
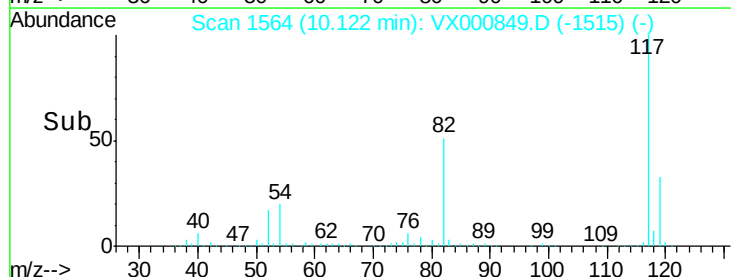
119 32.6 26.0 39.0

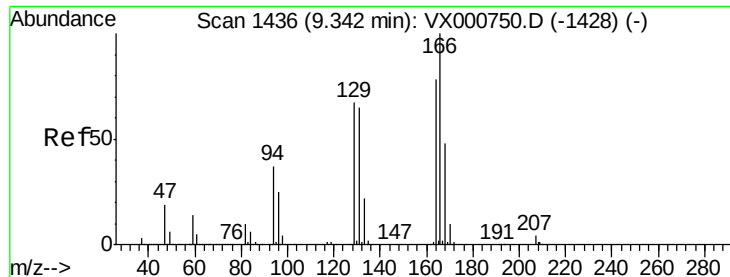


Abundance Ion 116.90 (116.60 to 117.60): VX000849.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000849.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000849.D (-1515) (-)





#64

Tetrachloroethene

Concen: 2.83 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion:164 Resp: 8755

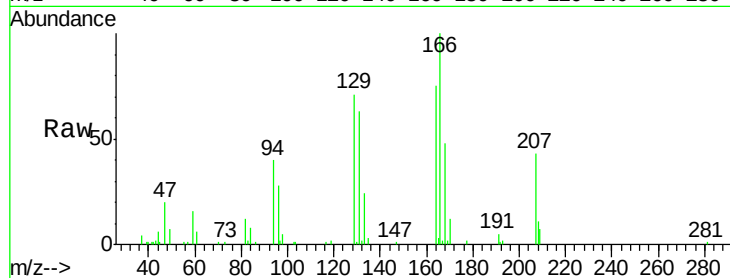
Ion Ratio Lower Upper

164 100

166 133.8 102.8 154.2

129 94.8 68.5 102.7

131 84.5 66.6 100.0

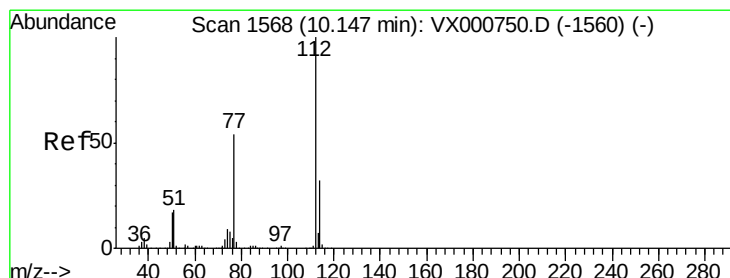
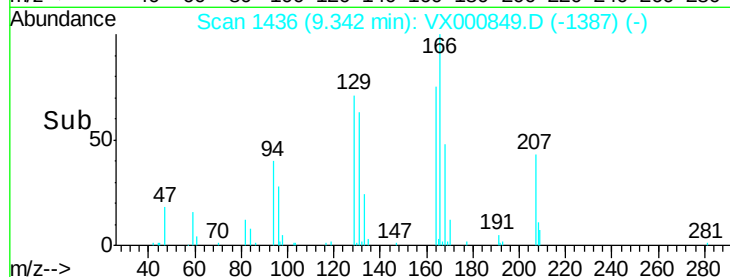
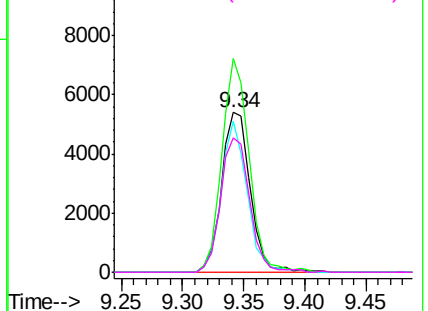


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.60 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000849.D

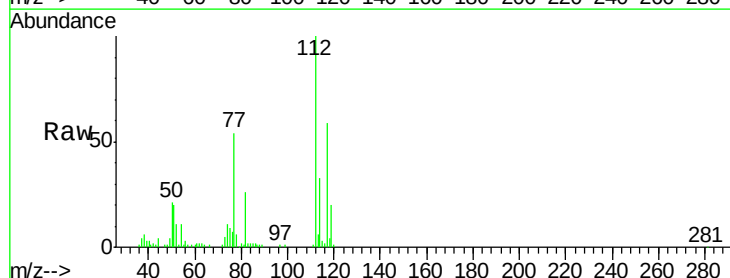
Acq: 13 Apr 2018 15:08

Tgt Ion:112 Resp: 20743

Ion Ratio Lower Upper

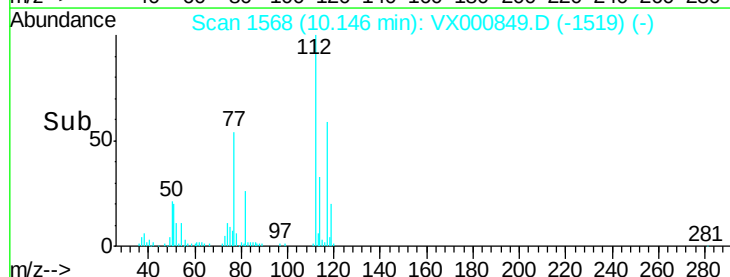
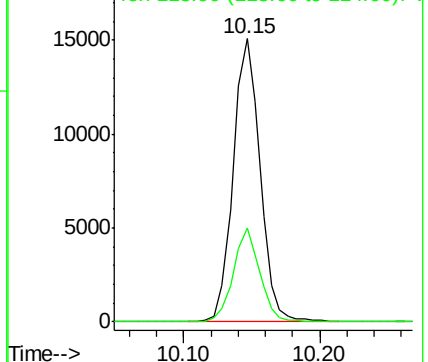
112 100

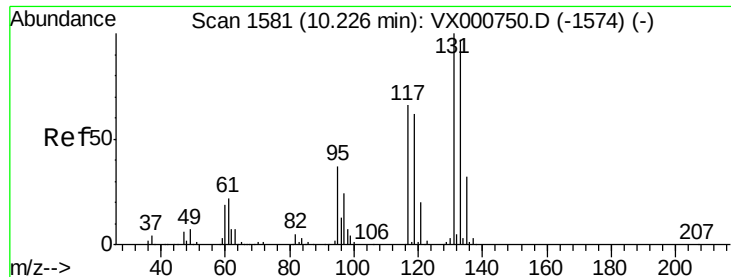
114 33.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

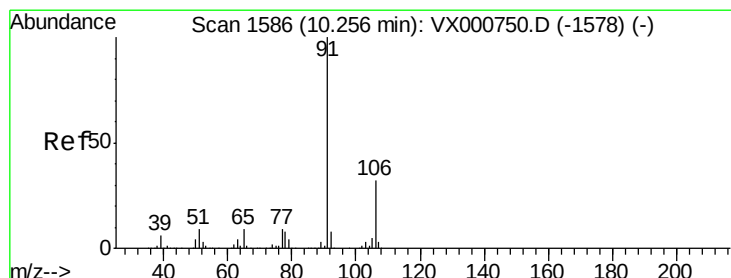
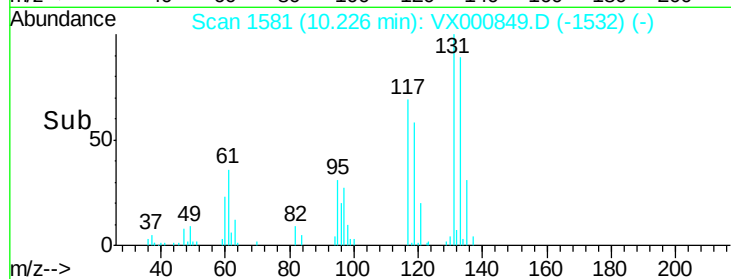
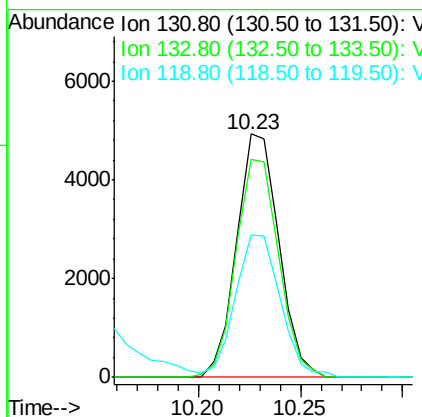
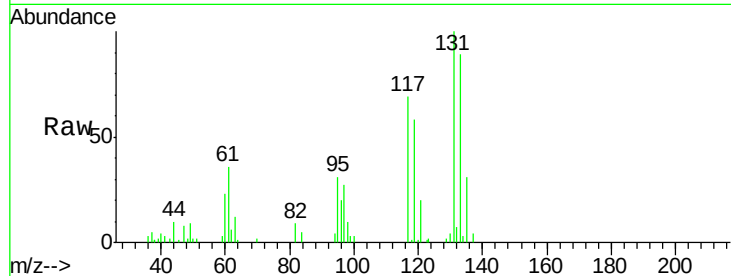




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.36 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

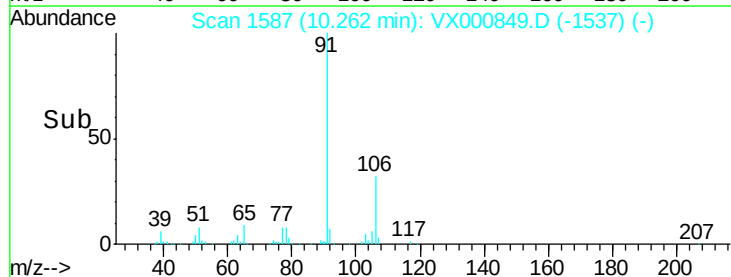
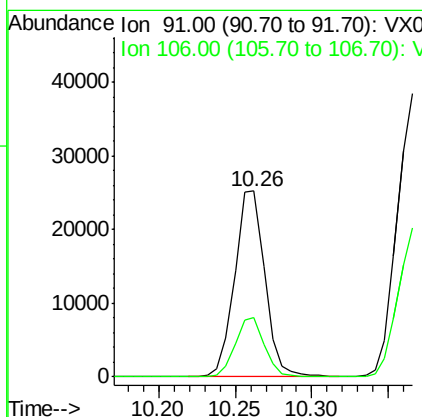
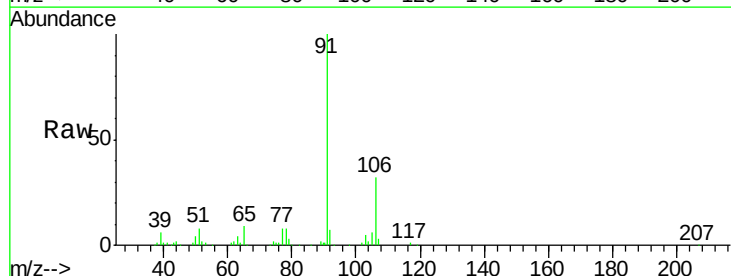
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

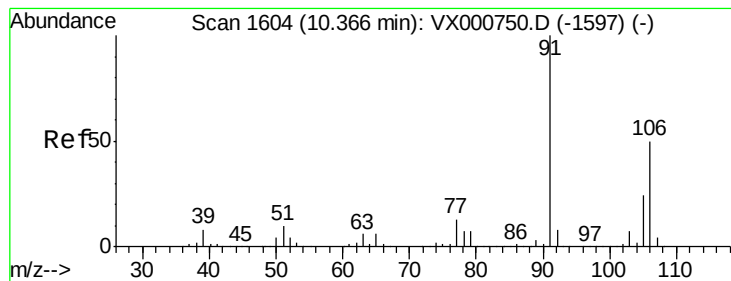
Tgt Ion: 131 Resp: 7087
 Ion Ratio Lower Upper
 131 100
 133 91.1 48.3 144.9
 119 62.4 31.4 94.0



#67
 Ethyl Benzene
 Concen: 2.61 ug/l
 RT: 10.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 91 Resp: 34687
 Ion Ratio Lower Upper
 91 100
 106 31.9 25.4 38.0





#68

m/p-Xylenes

Concen: 5.26 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

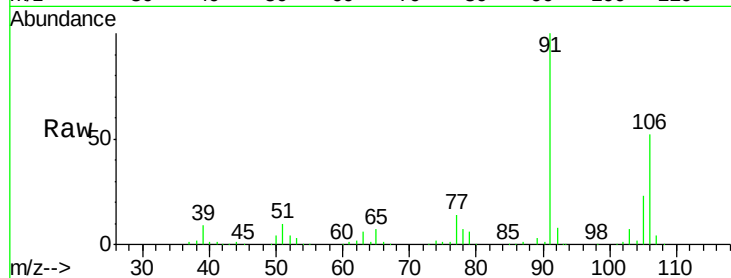
MDL-WATER-03-QT2-2018

Tgt Ion:106 Resp: 27621

Ion Ratio Lower Upper

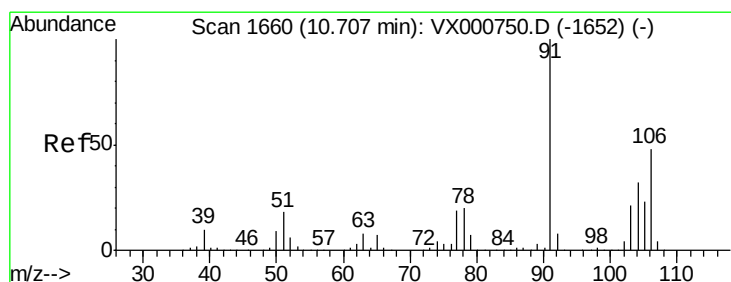
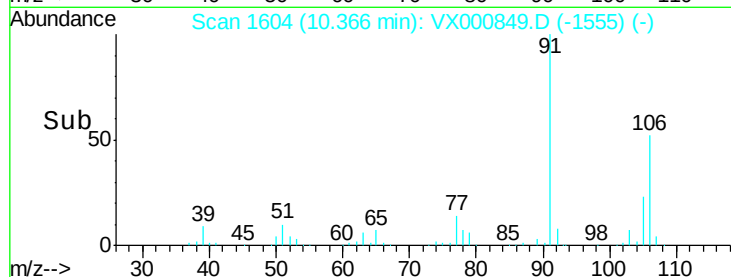
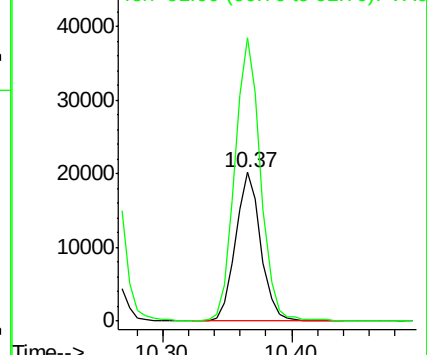
106 100

91 194.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.58 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VX000849.D

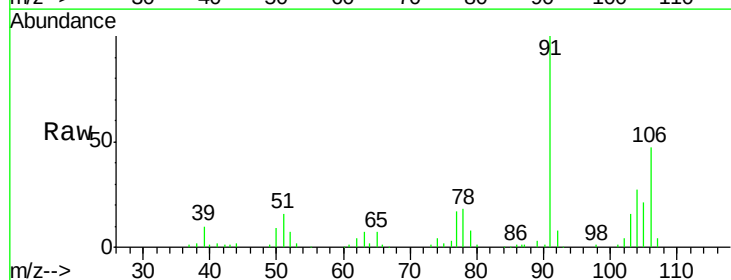
Acq: 13 Apr 2018 15:08

Tgt Ion:106 Resp: 13040

Ion Ratio Lower Upper

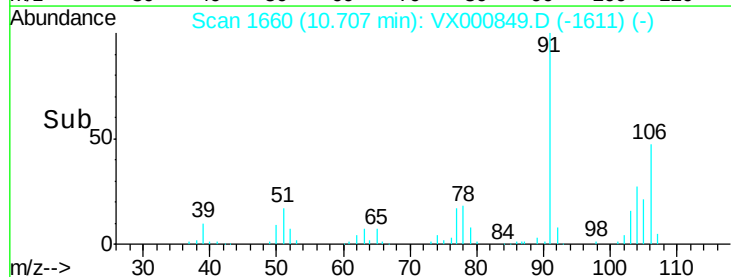
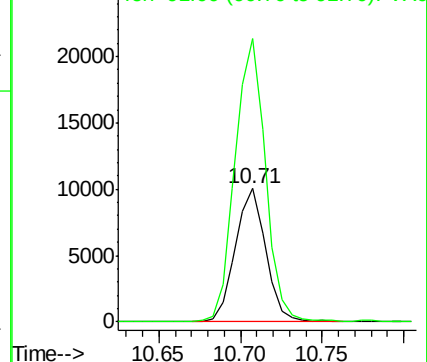
106 100

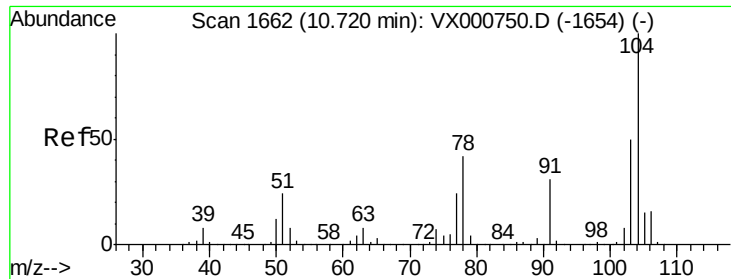
91 212.4 105.0 315.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

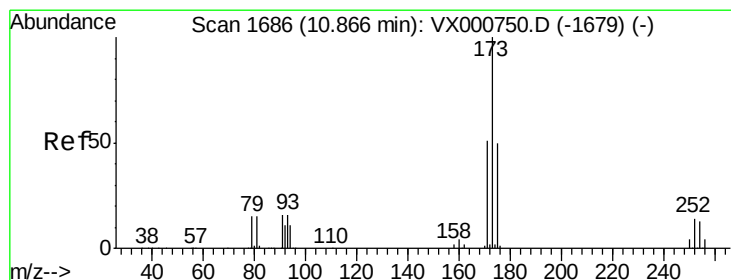
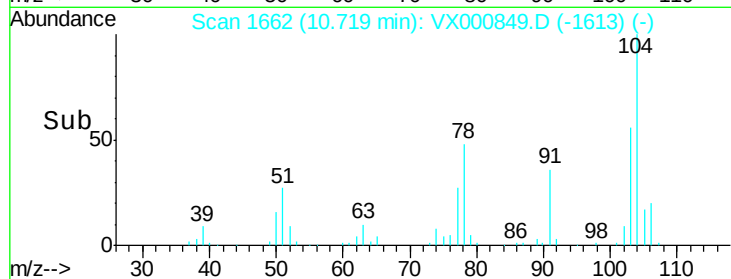
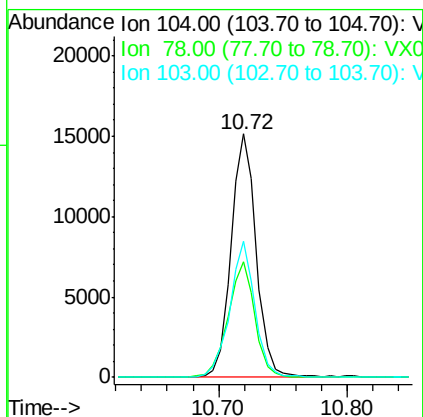
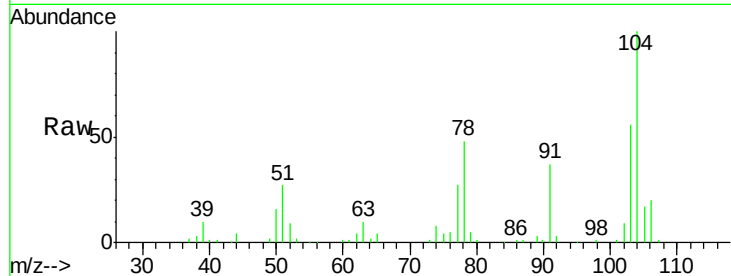




#70
Styrene
Concen: 2.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

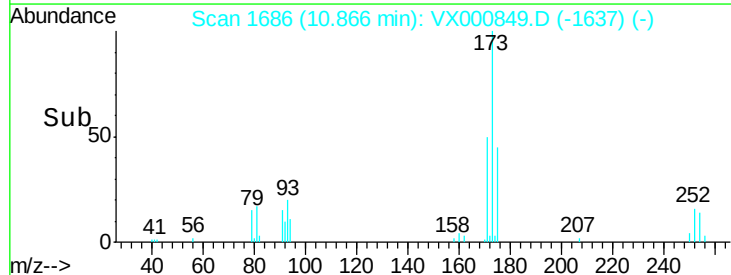
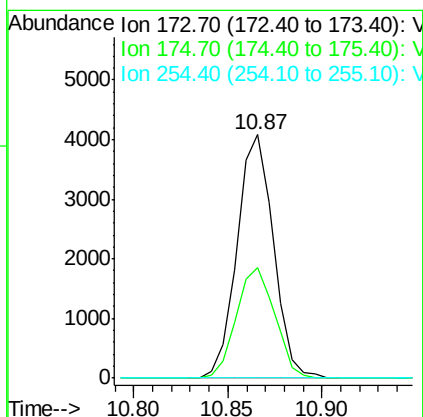
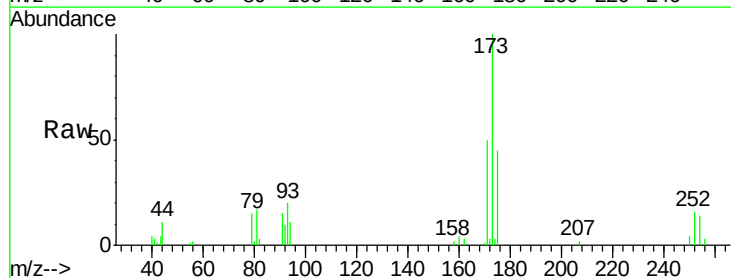
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

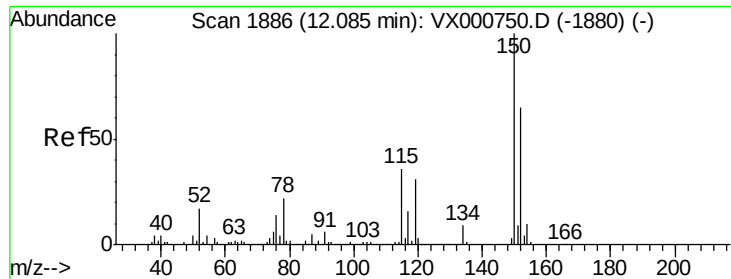
Tgt Ion:104 Resp: 20593
Ion Ratio Lower Upper
104 100
78 50.9 39.0 58.6
103 56.0 44.1 66.1



#71
Bromoform
Concen: 1.96 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion:173 Resp: 5449
Ion Ratio Lower Upper
173 100
175 48.1 24.5 73.5
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

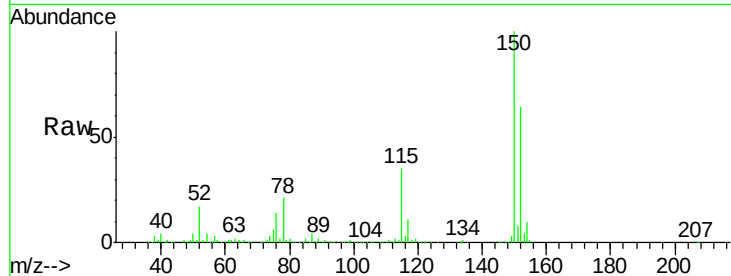
Tgt Ion:152 Resp: 212509

Ion Ratio Lower Upper

152 100

115 54.5 37.9 113.7

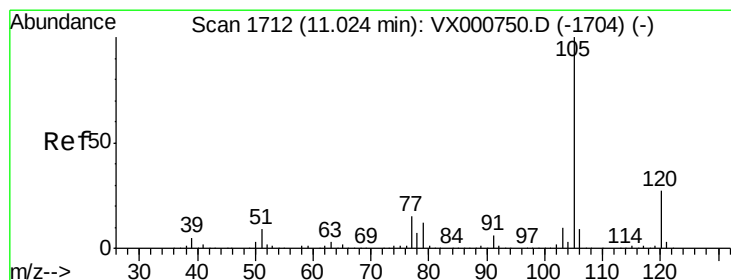
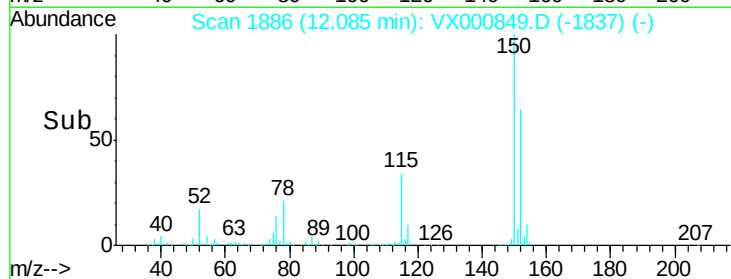
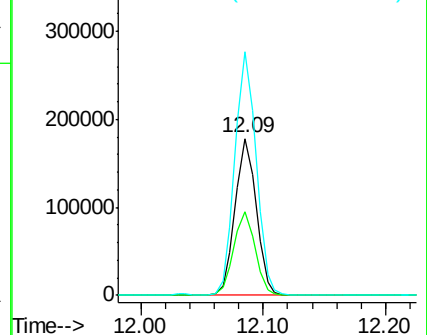
150 156.4 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.57 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000849.D

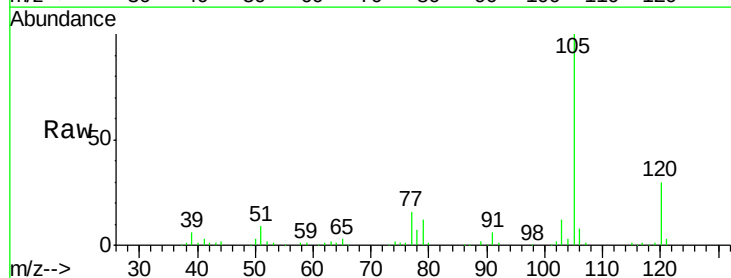
Acq: 13 Apr 2018 15:08

Tgt Ion:105 Resp: 34609

Ion Ratio Lower Upper

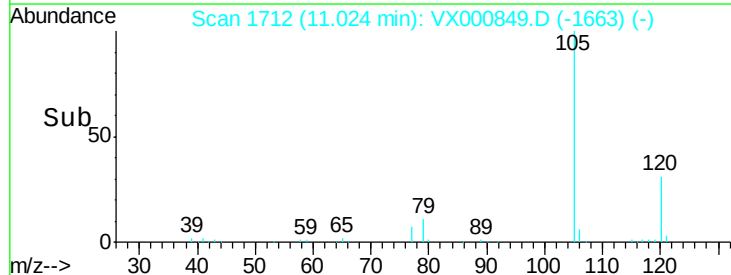
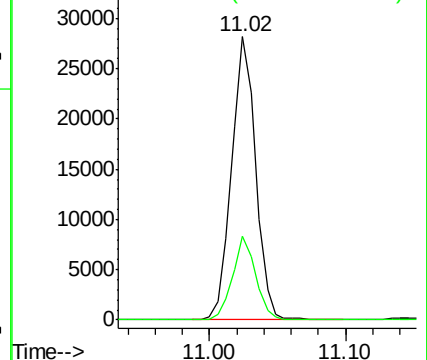
105 100

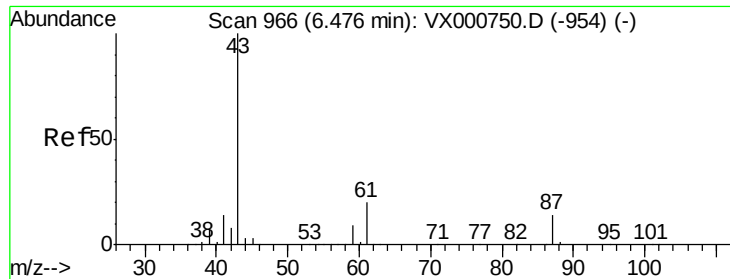
120 28.3 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 2.47 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 14967

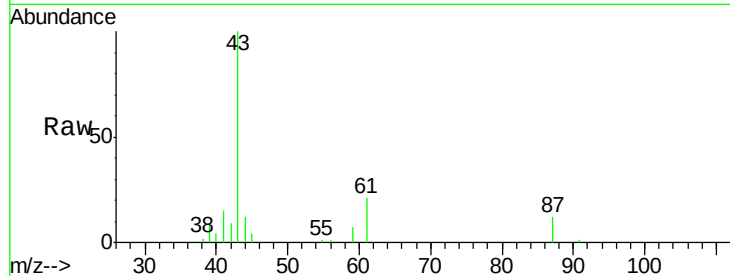
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.6 0.0 0.0#

61 19.6 15.6 23.4

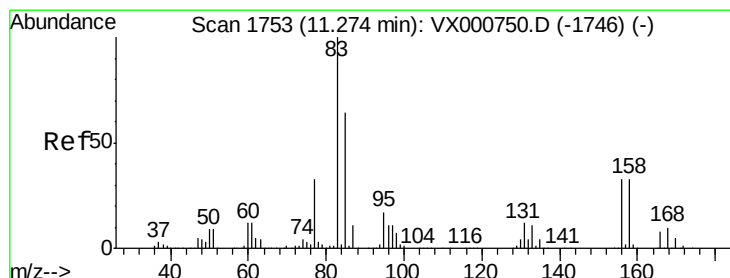
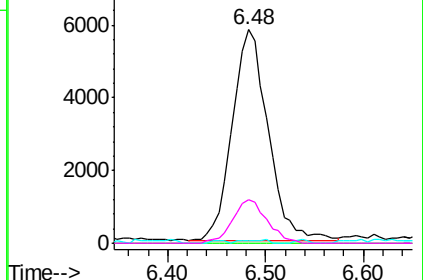
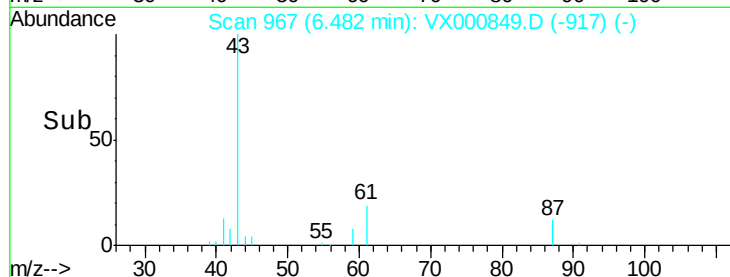


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

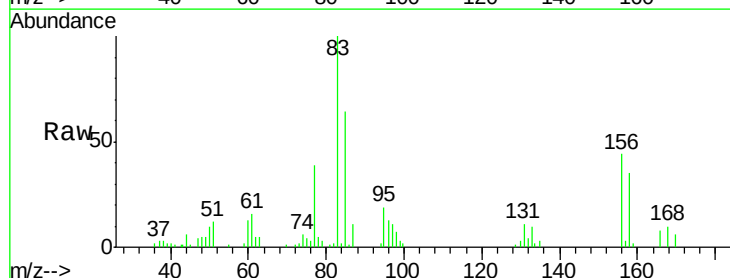
Tgt Ion: 83 Resp: 9823

Ion Ratio Lower Upper

83 100

131 12.6 6.0 18.0

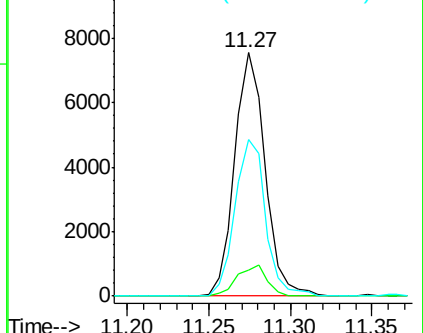
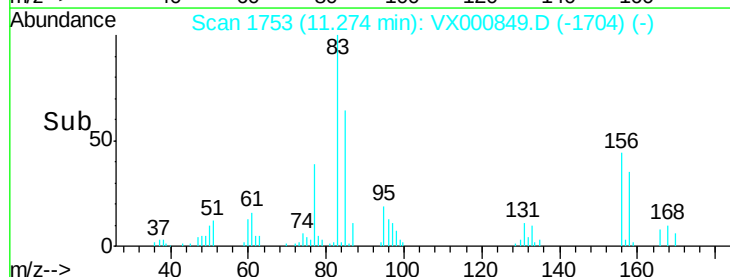
85 64.4 32.3 96.8

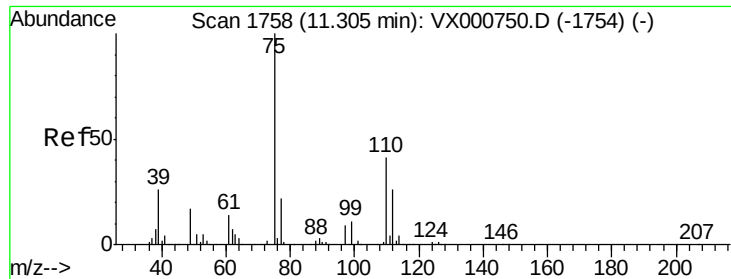


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

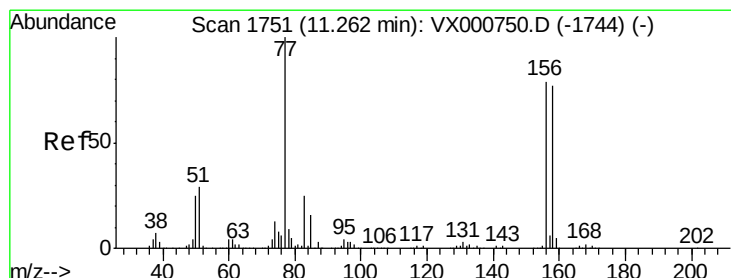
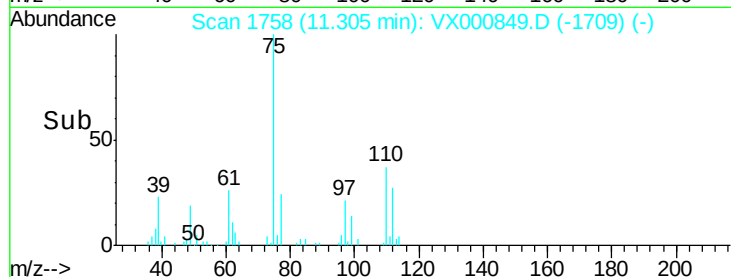
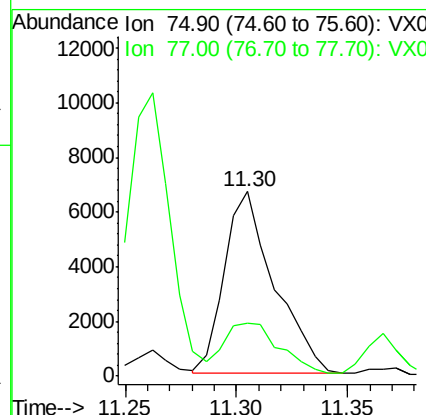
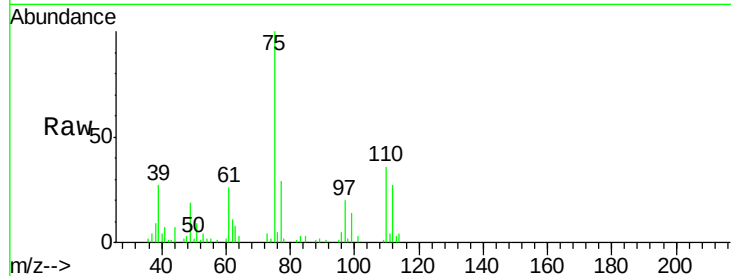




#76
 1,2,3-Trichloropropane
 Concen: 2.83 ug/l
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

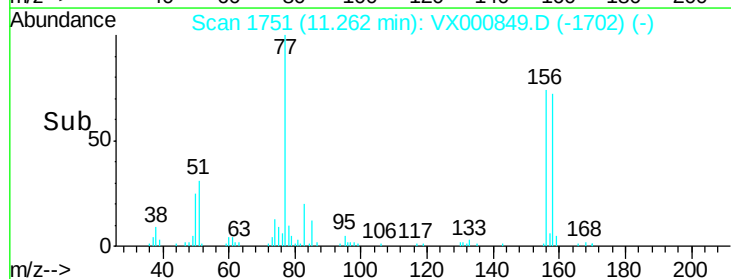
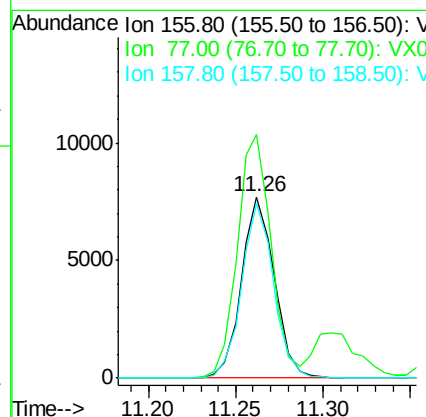
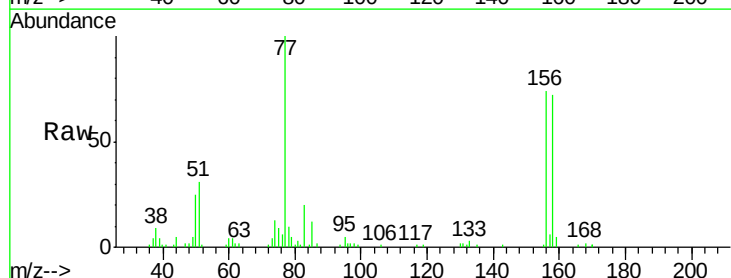
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

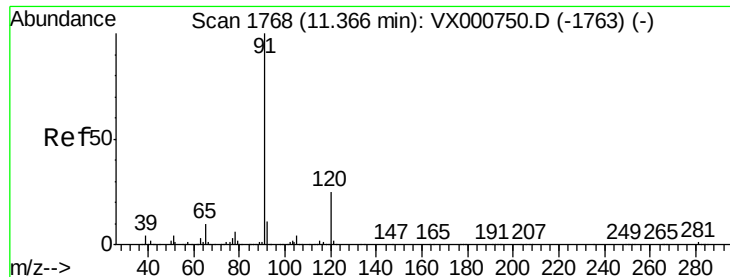
Tgt Ion: 75 Resp: 10358
 Ion Ratio Lower Upper
 75 100
 77 34.1 20.5 61.5



#77
 Bromobenzene
 Concen: 2.54 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 156 Resp: 10051
 Ion Ratio Lower Upper
 156 100
 77 138.0 66.0 198.2
 158 93.9 48.8 146.4





#78

n-propylbenzene

Concen: 2.54 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

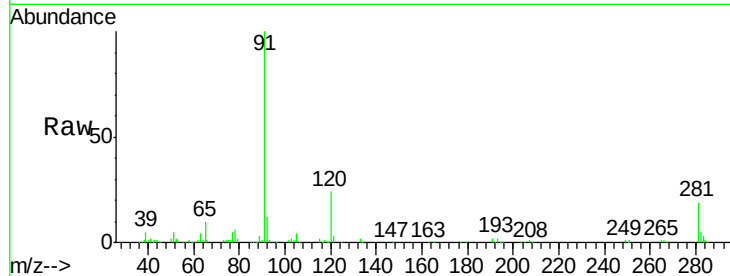
MDL-WATER-03-QT2-2018

Tgt Ion: 91 Resp: 39221

Ion Ratio Lower Upper

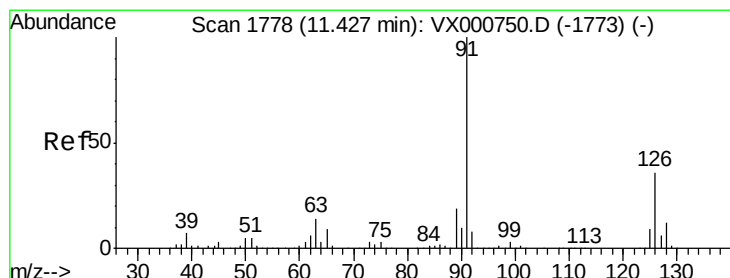
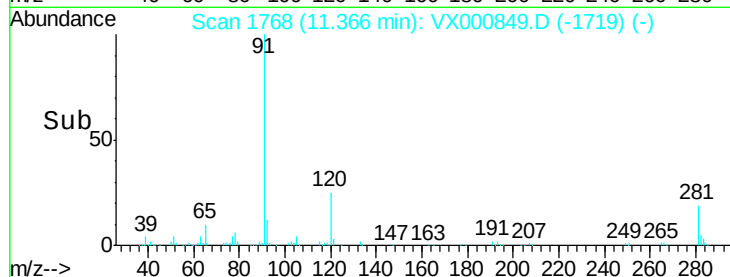
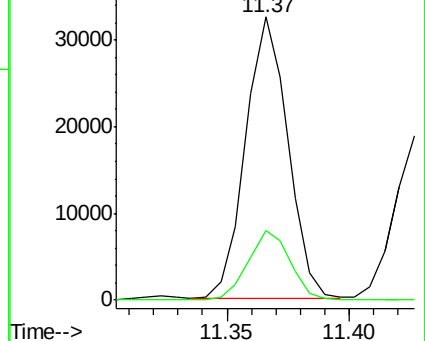
91 100

120 24.6 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.62 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000849.D

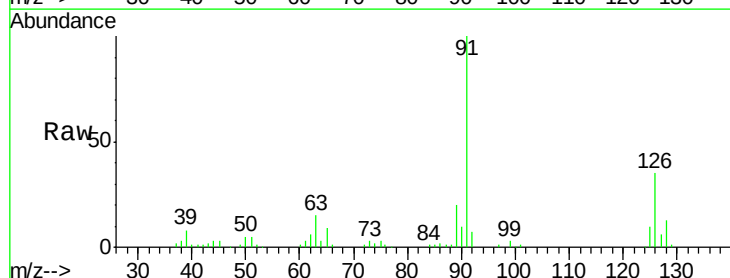
Acq: 13 Apr 2018 15:08

Tgt Ion: 91 Resp: 23884

Ion Ratio Lower Upper

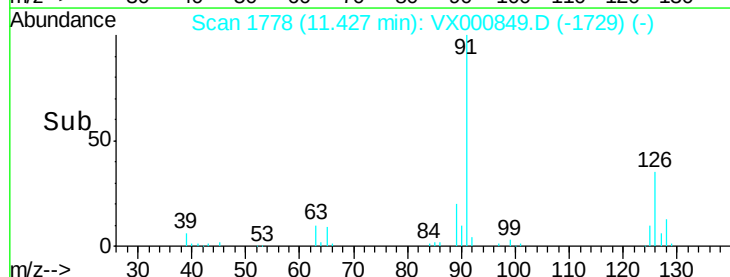
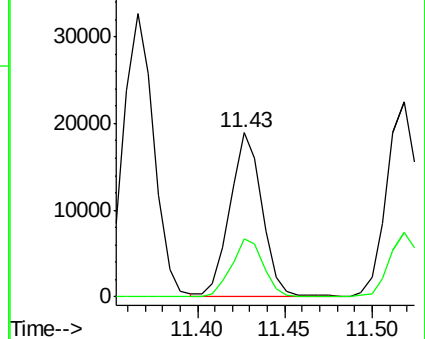
91 100

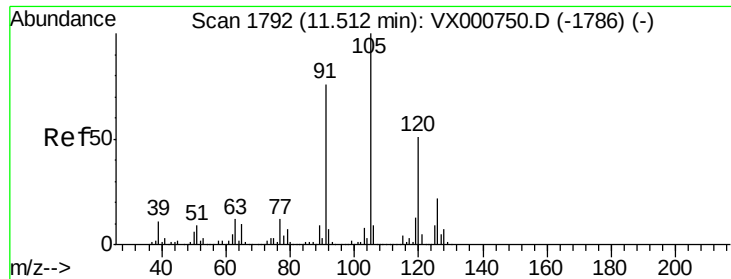
126 35.7 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

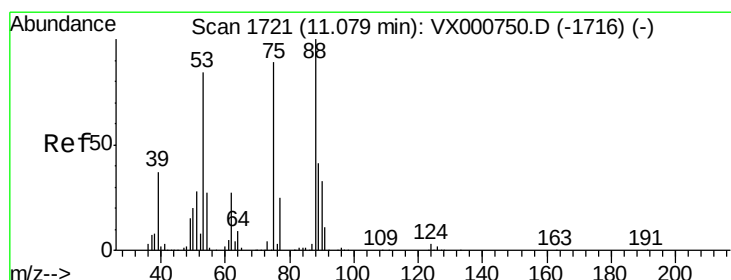
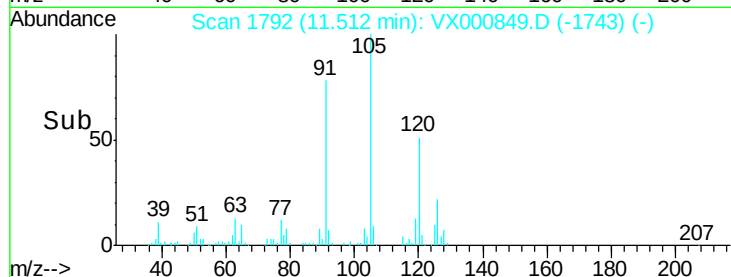
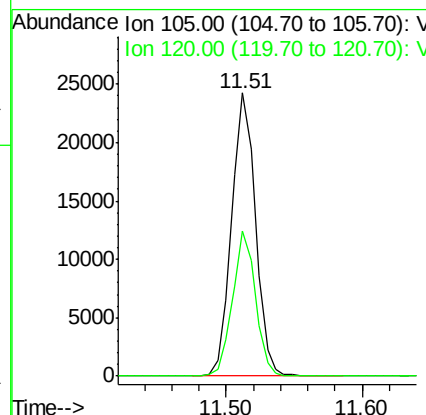
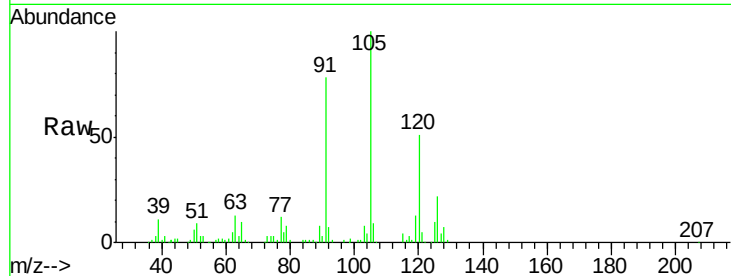




#80
 1,3,5-Trimethylbenzene
 Concen: 2.55 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

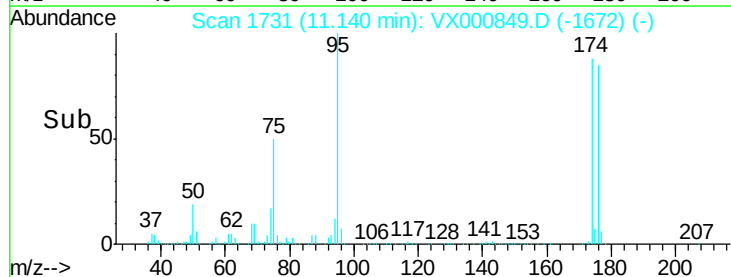
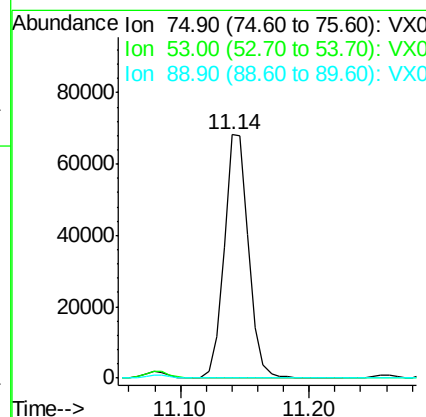
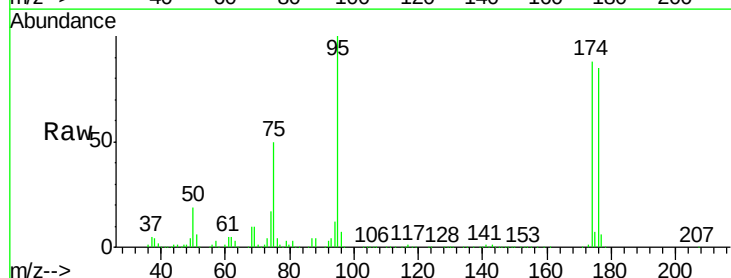
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

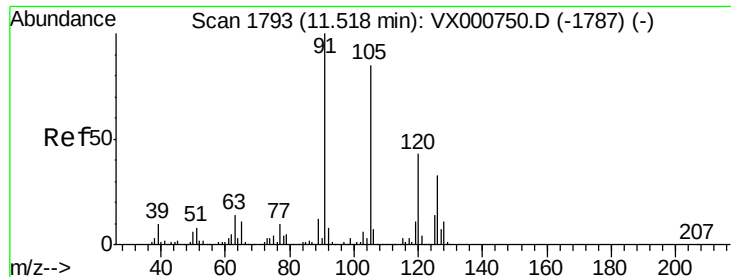
Tgt Ion:105 Resp: 29612
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.89 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 75 Resp: 90453
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

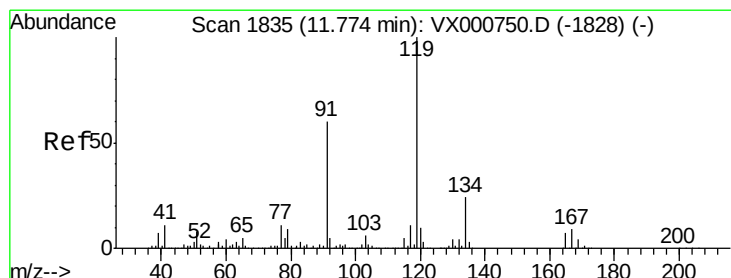
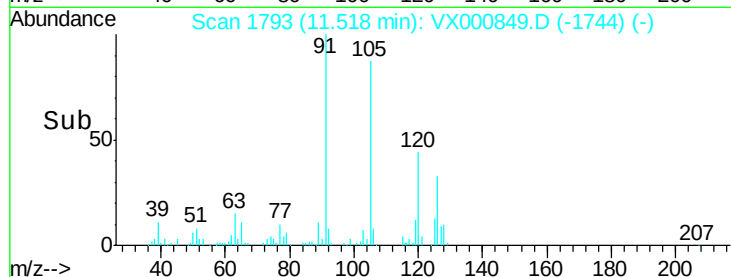
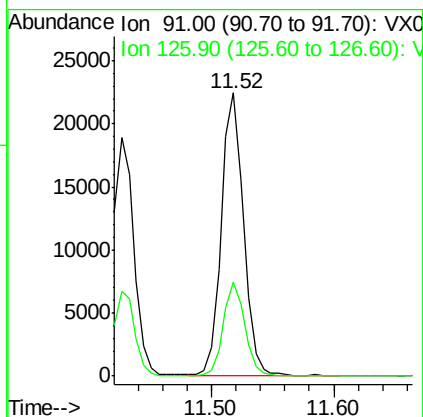
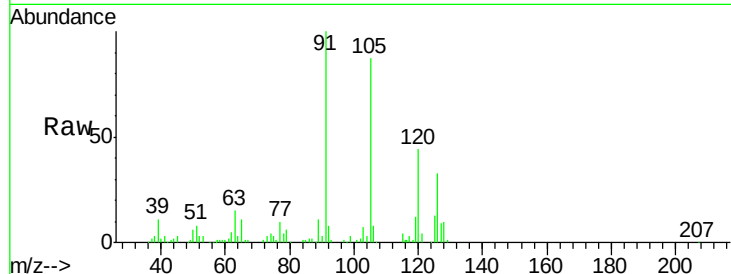




#82
4-Chlorotoluene
Concen: 2.59 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

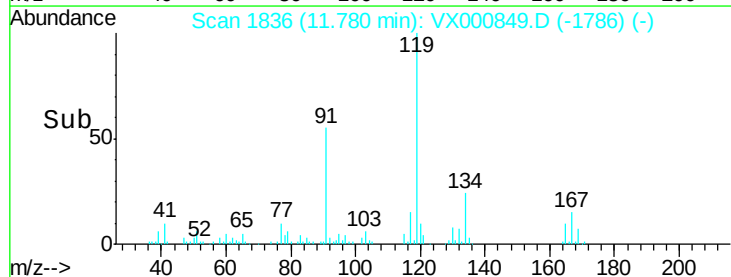
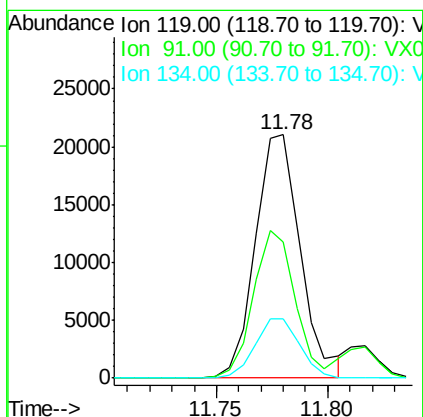
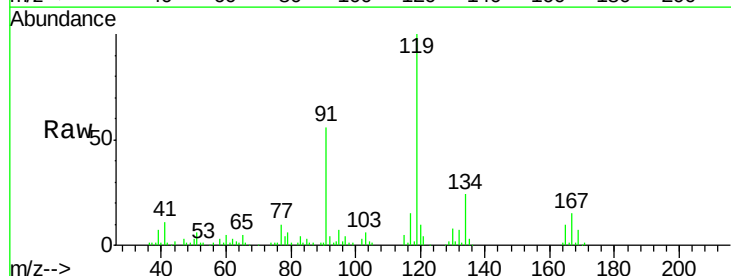
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

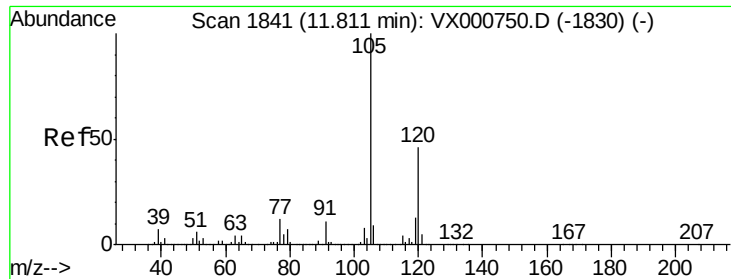
Tgt Ion: 91 Resp: 28483
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.6



#83
tert-Butylbenzene
Concen: 2.49 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX000849.D
Acq: 13 Apr 2018 15:08

Tgt Ion: 119 Resp: 29580
Ion Ratio Lower Upper
119 100
91 56.2 26.8 80.3
134 24.2 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 2.50 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

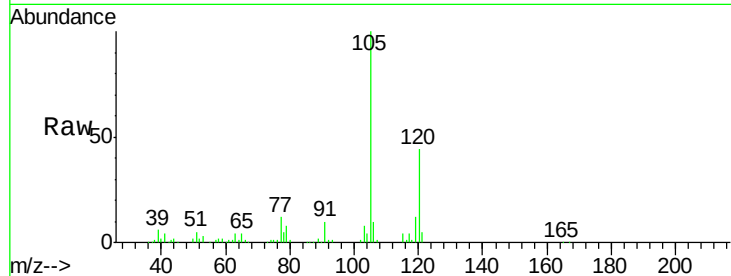
MDL-WATER-03-QT2-2018

Tgt Ion:105 Resp: 29923

Ion Ratio Lower Upper

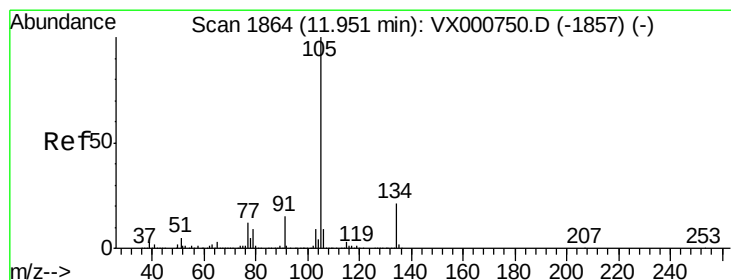
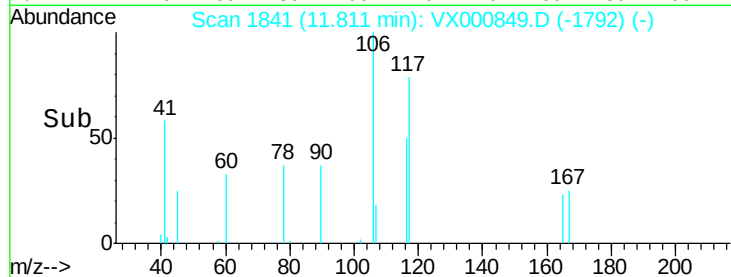
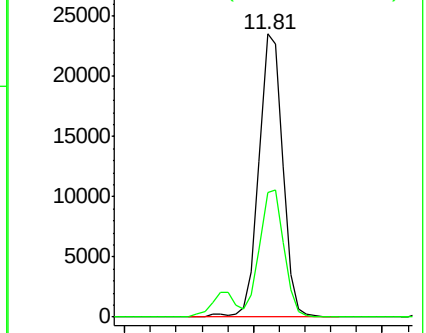
105 100

120 45.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.60 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000849.D

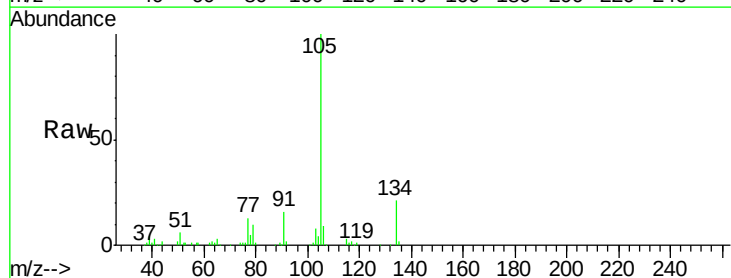
Acq: 13 Apr 2018 15:08

Tgt Ion:105 Resp: 36396

Ion Ratio Lower Upper

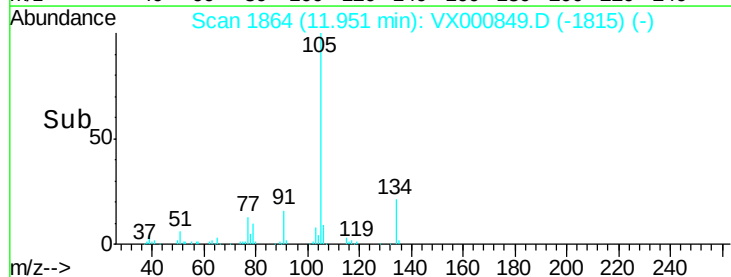
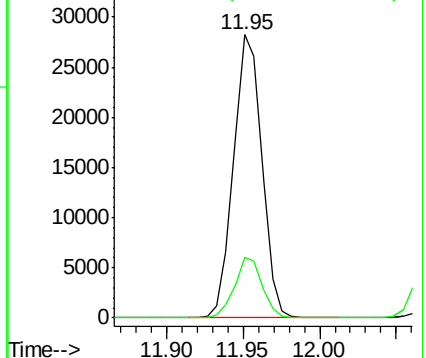
105 100

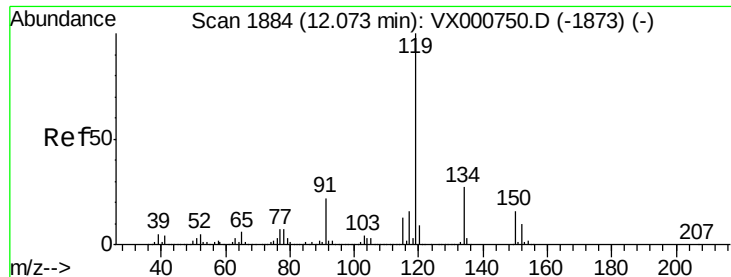
134 20.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 2.45 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

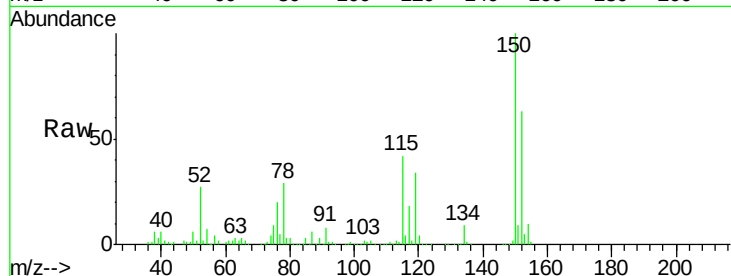
Tgt Ion:119 Resp: 31952

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.7

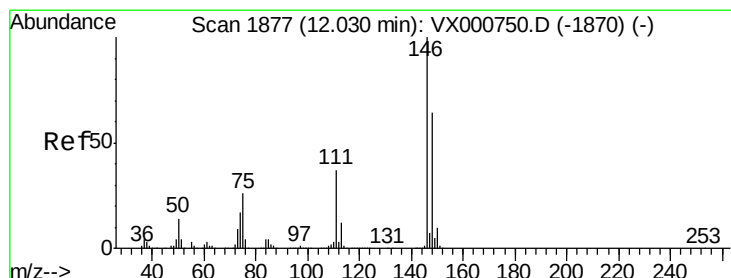
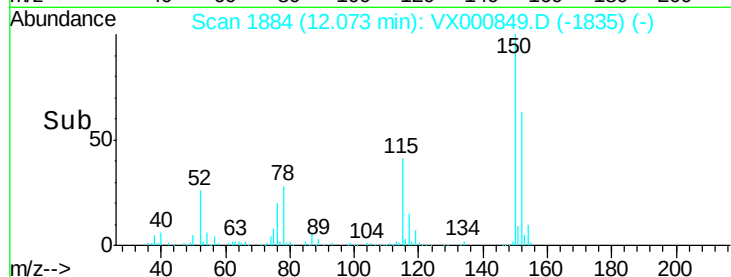
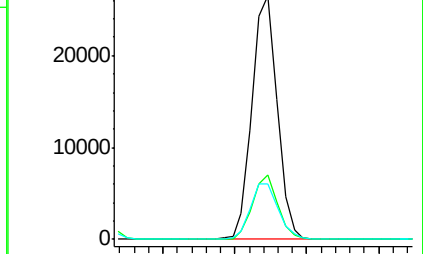
91 25.7 11.2 33.5



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



#87

1,3-Dichlorobenzene

Concen: 2.57 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

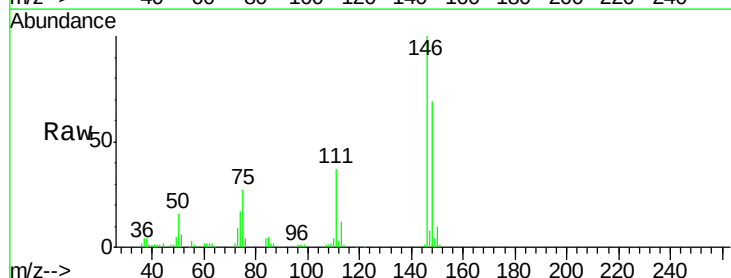
Tgt Ion:146 Resp: 18826

Ion Ratio Lower Upper

146 100

111 37.6 18.3 54.8

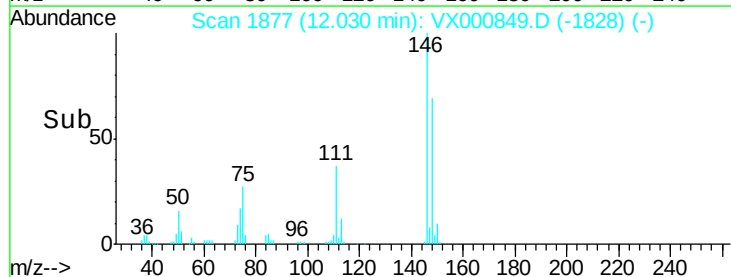
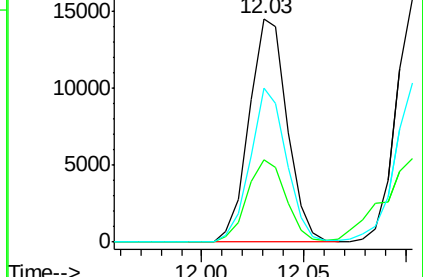
148 65.8 32.2 96.6

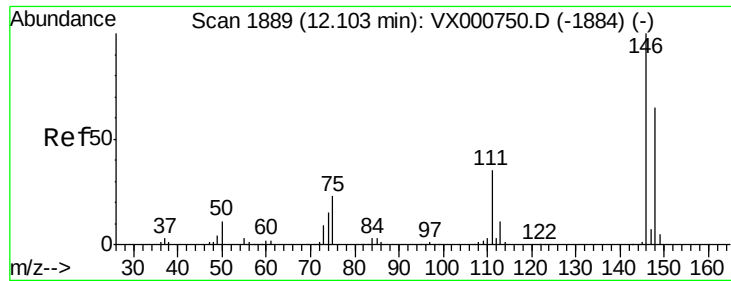


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.59 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

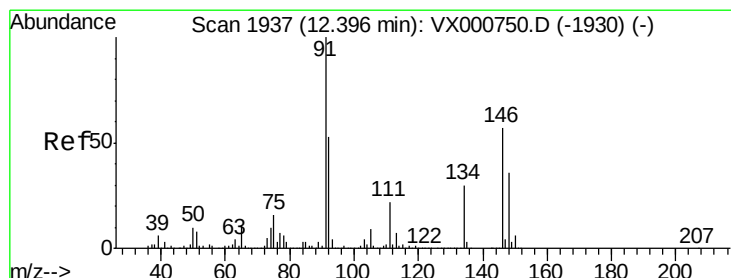
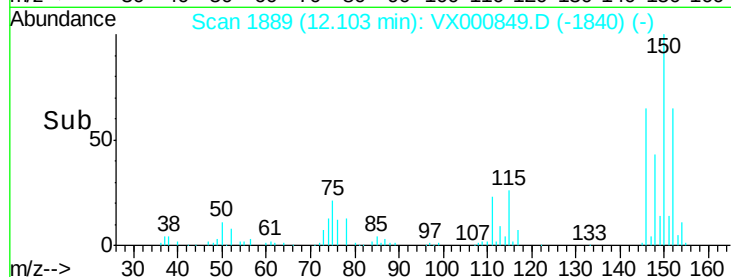
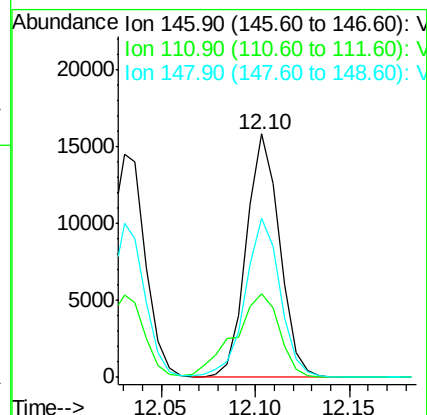
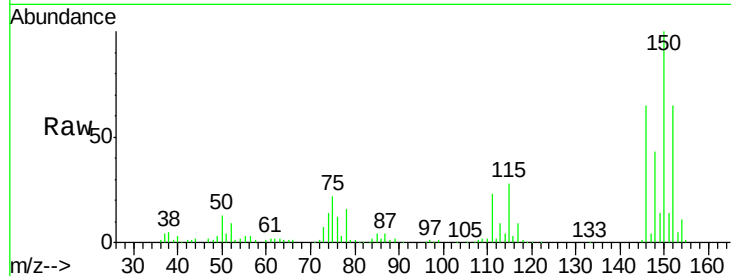
Tgt Ion: 146 Resp: 19389

Ion Ratio Lower Upper

146 100

111 46.6 17.9 53.8

148 68.5 32.6 97.7



#89

n-Butylbenzene

Concen: 2.52 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

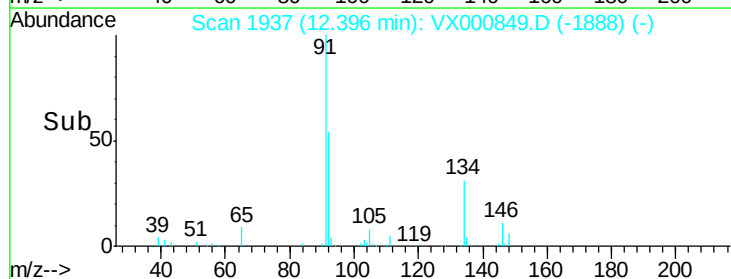
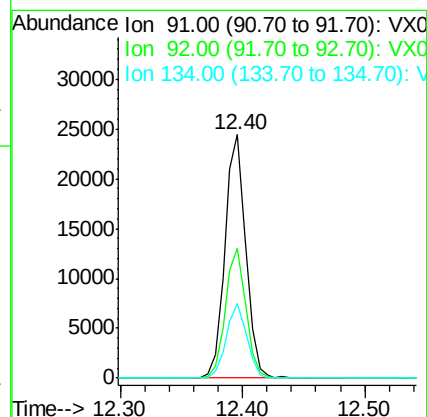
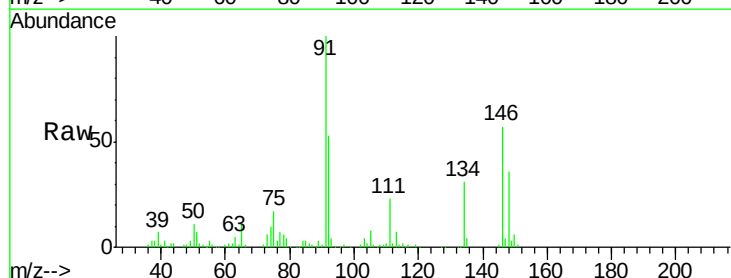
Tgt Ion: 91 Resp: 29042

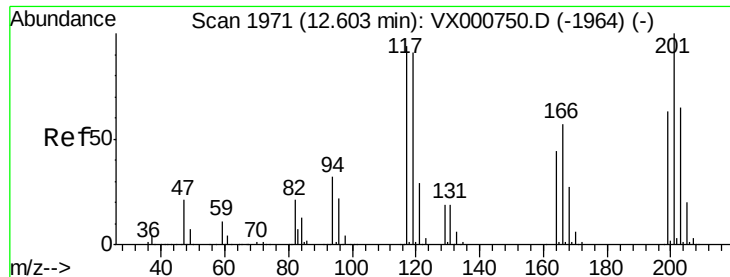
Ion Ratio Lower Upper

91 100

92 51.8 26.5 79.5

134 29.8 14.5 43.5





#90

Hexachloroethane

Concen: 2.00 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

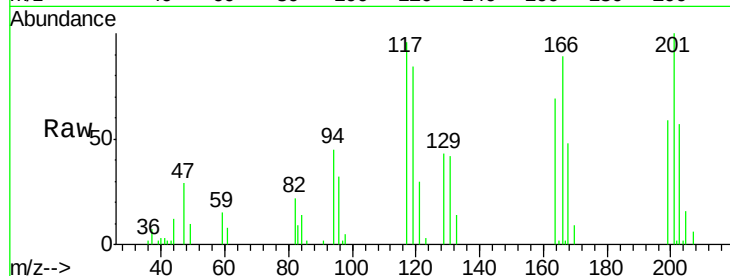
MDL-WATER-03-QT2-2018

Tgt Ion:117 Resp: 4416

Ion Ratio Lower Upper

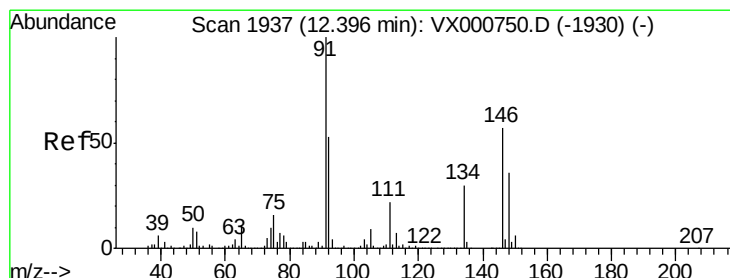
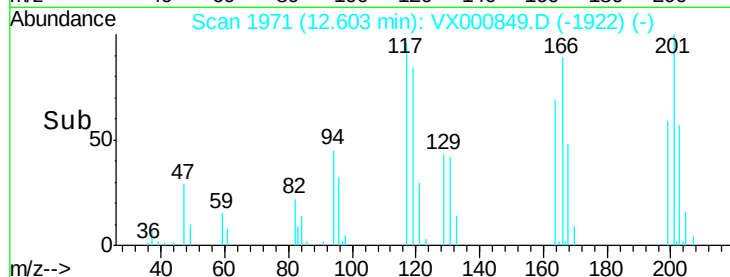
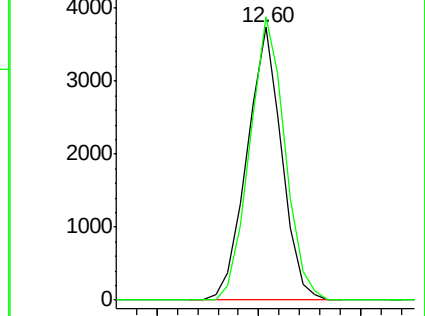
117 100

201 104.9 52.9 158.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.59 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

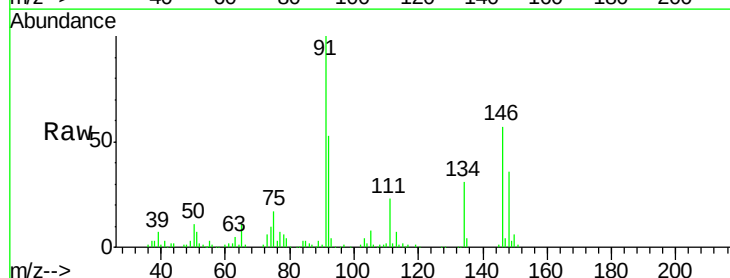
Tgt Ion:146 Resp: 18318

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.7

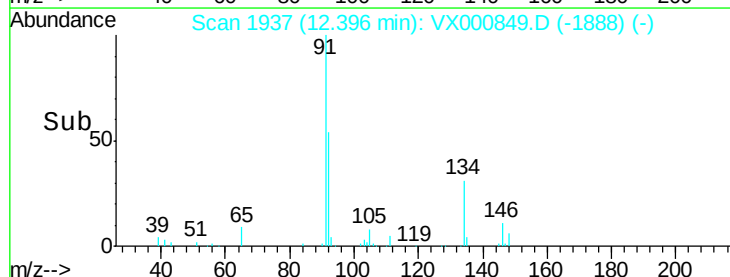
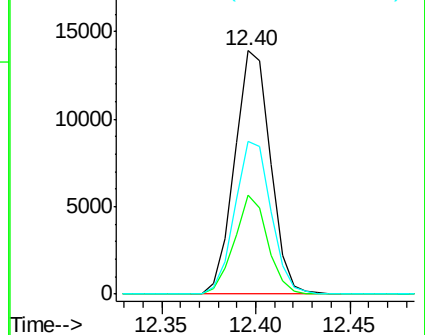
148 63.7 32.0 96.2

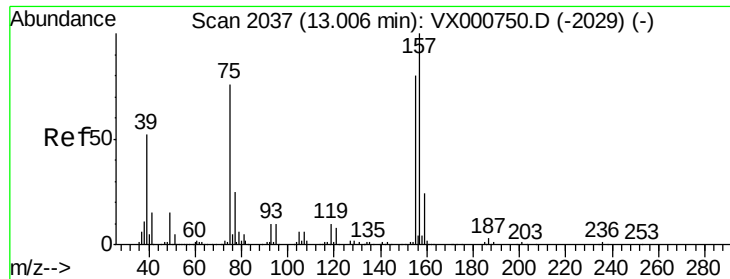


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

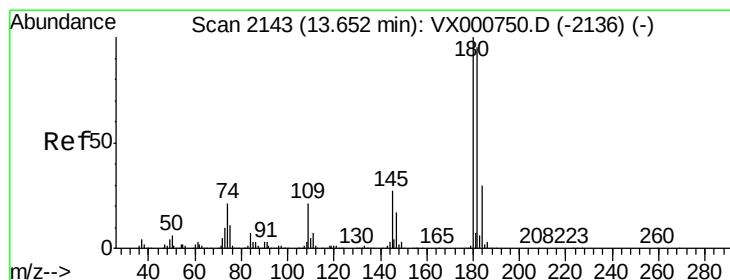
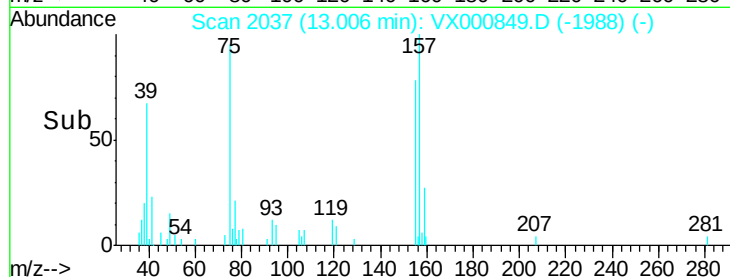
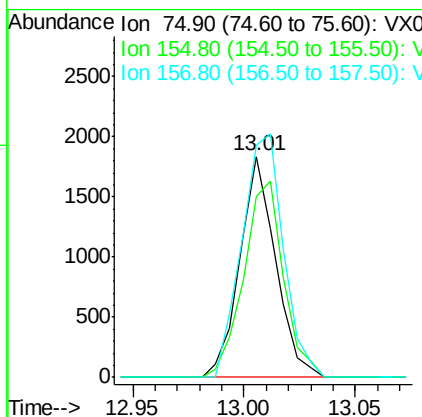
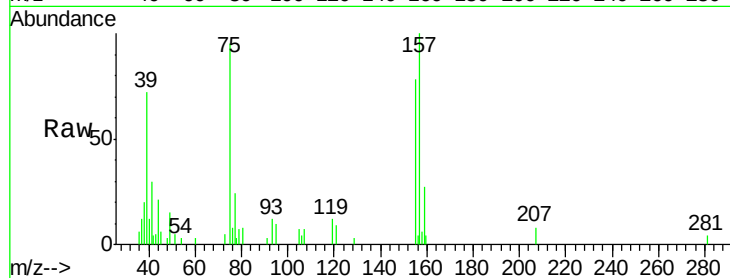




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.11 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

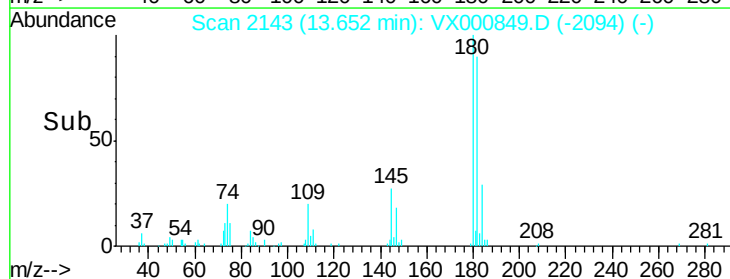
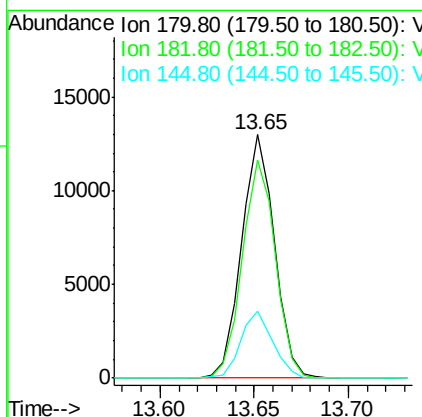
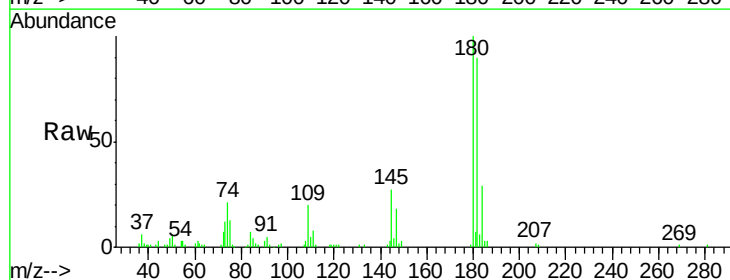
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

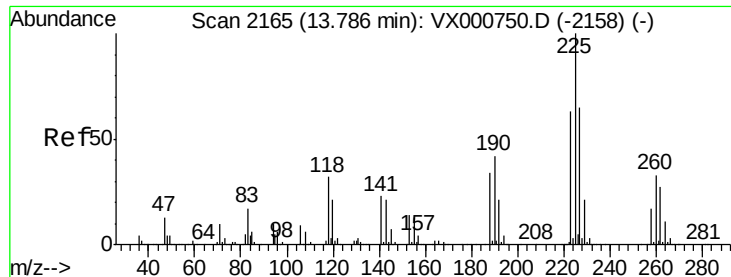
Tgt Ion: 75 Resp: 2067
 Ion Ratio Lower Upper
 75 100
 155 98.4 51.9 155.8
 157 127.2 66.6 199.8



#93
 1,2,4-Trichlorobenzene
 Concen: 2.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

Tgt Ion: 180 Resp: 15648
 Ion Ratio Lower Upper
 180 100
 182 90.1 47.5 142.5
 145 27.0 13.8 41.4





#94

Hexachlorobutadiene

Concen: 2.60 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

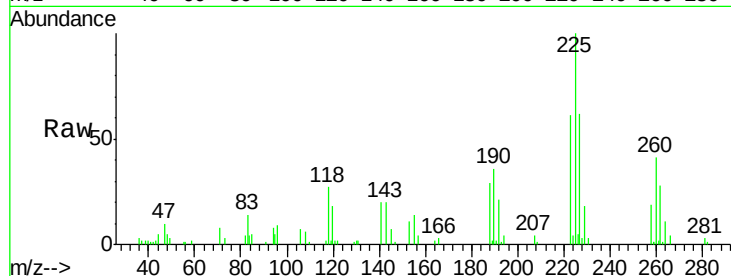
Tgt Ion:225 Resp: 7689

Ion Ratio Lower Upper

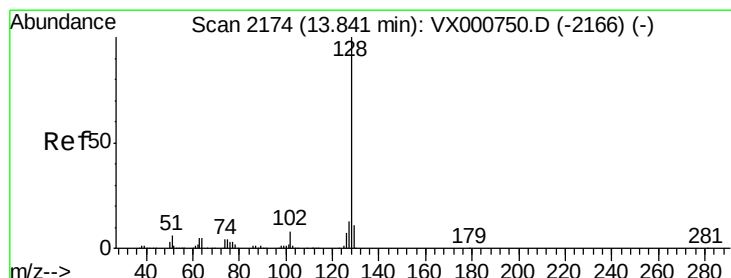
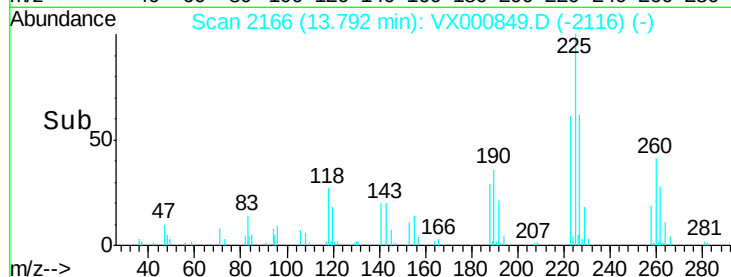
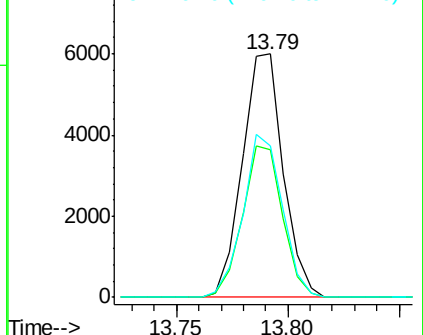
225 100

223 61.1 31.2 93.6

227 64.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000849.D

Acq: 13 Apr 2018 15:08

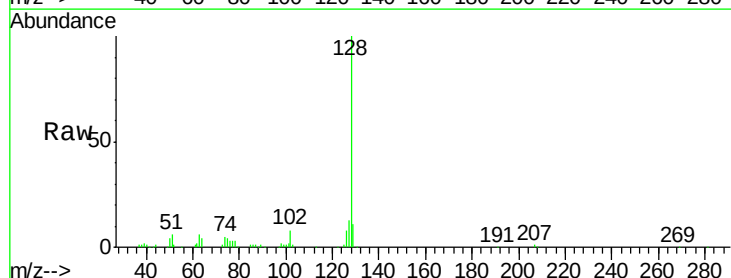
Tgt Ion:128 Resp: 38473

Ion Ratio Lower Upper

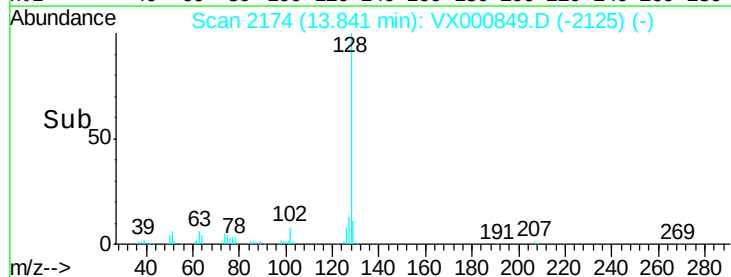
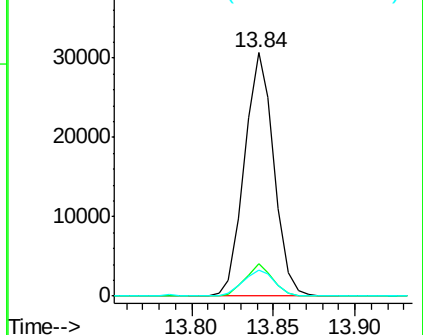
128 100

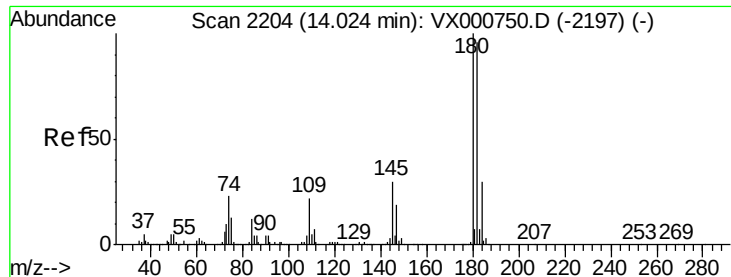
127 12.6 10.4 15.6

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.51 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX000849.D
 Acq: 13 Apr 2018 15:08

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.4	145.2
145	30.2	14.6	43.8

