

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000847.D
 Acq On : 13 Apr 2018 14:18
 Operator : JC/MD
 Sample : J2133-09 MDL 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 14 05:11:27 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	5.67	168	249972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	154152	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	127106	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.72	98	470415	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.14	95	188089	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	790	0.28	ug/l	87
3) Chloromethane	1.32	50	845	0.35	ug/l	94
4) Vinyl Chloride	1.40	62	804	0.30	ug/l #	72
5) Bromomethane	1.65	94	774	Below Cal		97
6) Chloroethane	1.74	64	2499	1.52	ug/l #	65
7) Trichlorofluoromethane	1.93	101	1311	0.32	ug/l	98
8) Diethyl Ether	2.20	74	543	0.35	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	2.39	101	864	0.36	ug/l	90
10) Methyl Iodide	2.52	142	457	8.43	ug/l #	78
11) Tert butyl alcohol	3.09	59	1067	1.91	ug/l #	56
12) 1,1-Dichloroethene	2.38	96	1021	0.45	ug/l #	70
13) Acrolein	2.29	56	729	2.68	ug/l #	78
14) Allyl chloride	2.73	41	1306	0.31	ug/l #	86
15) Acrylonitrile	3.15	53	2536	2.13	ug/l	97
16) Acetone	2.45	43	2434	2.24	ug/l	92
17) Carbon Disulfide	2.57	76	2625	0.38	ug/l	98
18) Methyl Acetate	2.78	43	1550	0.55	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	2533	0.33	ug/l	96
20) Methylene Chloride	2.86	84	1326	0.52	ug/l #	95
21) trans-1,2-Dichloroethene	3.17	96	1130	0.45	ug/l	92
22) Diisopropyl ether	3.88	45	2650	0.34	ug/l #	91
23) Vinyl Acetate	3.84	43	10246	1.50	ug/l	97
24) 1,1-Dichloroethane	3.70	63	1562	0.36	ug/l #	87
25) 2-Butanone	4.73	43	2992	1.67	ug/l	96
26) 2,2-Dichloropropane	4.59	77	1548	0.36	ug/l	84
27) cis-1,2-Dichloroethene	4.62	96	1000	0.35	ug/l	93
28) Bromochloromethane	5.03	49	708	0.40	ug/l #	91
29) Tetrahydrofuran	5.20	42	2848	2.50	ug/l #	87
30) Chloroform	5.22	83	1647	0.36	ug/l	94
31) Cyclohexane	5.57	56	847	0.20	ug/l #	97
32) 1,1,1-Trichloroethane	5.51	97	1421	0.32	ug/l #	50
36) 1,1-Dichloropropene	5.81	75	1416	0.38	ug/l #	85
37) Ethyl Acetate	4.89	43	1314	0.36	ug/l #	95
38) Carbon Tetrachloride	5.78	117	1466	0.35	ug/l #	55

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	1456	0.32	ug/l	88
40) Benzene	6.16	78	3449	0.33	ug/l	92
41) Methacrylonitrile	5.07	41	771	0.36	ug/l #	85
42) 1,2-Dichloroethane	6.21	62	1286	0.33	ug/l	95
43) Isopropyl Acetate	6.48	43	1846	0.29	ug/l #	88
44) Trichloroethene	7.22	130	1045	0.32	ug/l	87
45) 1,2-Dichloropropane	7.52	63	752	0.28	ug/l #	48
46) Dibromomethane	7.67	93	648	0.35	ug/l	92
47) Bromodichloromethane	7.90	83	1120	0.30	ug/l #	93
48) Methyl methacrylate	7.79	41	1382	0.42	ug/l #	85
49) 1,4-Dioxane	7.78	88	435	6.65	ug/l #	85
51) 4-Methyl-2-Pentanone	8.66	43	5795	1.57	ug/l	99
52) Toluene	8.79	92	2159	0.31	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	1193	0.27	ug/l #	83
54) cis-1,3-Dichloropropene	9.06	75	1094	0.25	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	868	0.32	ug/l	93
56) Ethyl methacrylate	9.19	69	1279	0.30	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	1384	0.32	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	3848	1.94	ug/l	98
59) 2-Hexanone	9.51	43	4540	1.59	ug/l	97
60) Dibromochloromethane	9.59	129	825	0.25	ug/l	93
61) 1,2-Dibromoethane	9.68	107	895	0.31	ug/l	97
64) Tetrachloroethene	9.34	164	1150	0.37	ug/l #	85
65) Chlorobenzene	10.15	112	2815	0.35	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.23	131	849	0.28	ug/l #	65
67) Ethyl Benzene	10.26	91	4238	0.32	ug/l	97
68) m/p-Xylenes	10.37	106	3261	0.62	ug/l	96
69) o-Xylene	10.71	106	1534	0.30	ug/l	97
70) Styrene	10.72	104	2586	0.30	ug/l	98
71) Bromoform	10.87	173	610	0.22	ug/l #	28
73) Isopropylbenzene	11.02	105	4343	0.33	ug/l	96
74) N-amyl acetate	6.48	43	1846	0.31	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.27	83	1203	0.31	ug/l	86
76) 1,2,3-Trichloropropane	11.14	75	92575	25.58	ug/l #	36
77) Bromobenzene	11.26	156	1187	0.30	ug/l	87
78) n-propylbenzene	11.37	91	5037	0.33	ug/l	99
79) 2-Chlorotoluene	11.43	91	3155	0.35	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	3488	0.30	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	92575	70.37	ug/l #	11
82) 4-Chlorotoluene	11.52	91	3483	0.32	ug/l	99
83) tert-Butylbenzene	11.77	119	3587	0.31	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	3673	0.31	ug/l	99
85) sec-Butylbenzene	11.95	105	4408	0.32	ug/l	99
86) p-Isopropyltoluene	12.07	119	4096	0.32	ug/l #	80
87) 1,3-Dichlorobenzene	12.03	146	2456	0.34	ug/l	98
88) 1,4-Dichlorobenzene	12.03	146	2456	0.33	ug/l	97
89) n-Butylbenzene	12.40	91	3926	0.35	ug/l	98
90) Hexachloroethane	12.60	117	441	0.20	ug/l	88
91) 1,2-Dichlorobenzene	12.40	146	2368	0.34	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	341	0.35	ug/l	75

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QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

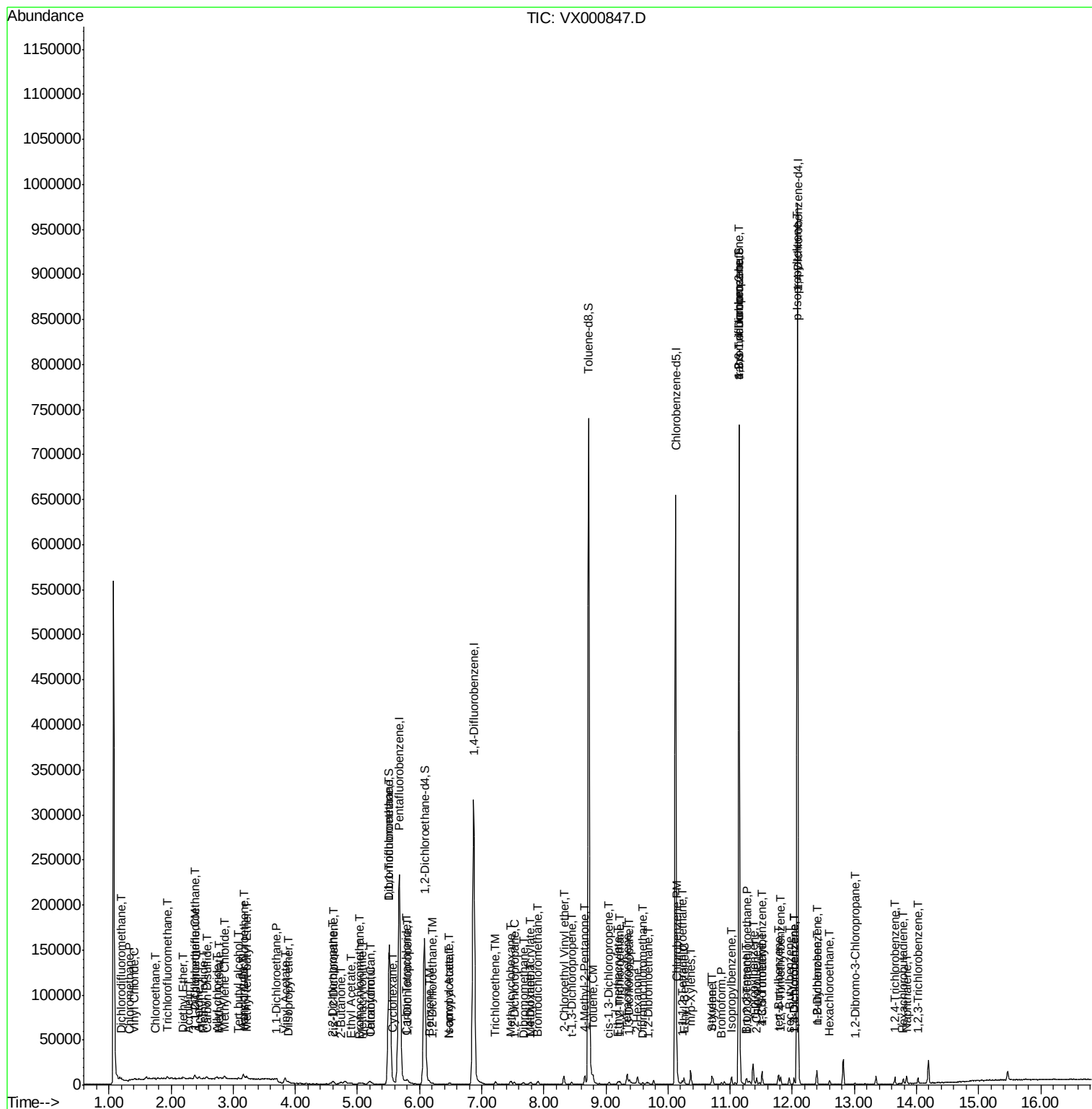
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2088	0.35	ug/l	98
94) Hexachlorobutadiene	13.79	225	1009	0.34	ug/l	98
95) Naphthalene	13.84	128	5206	0.34	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1911	0.33	ug/l	97

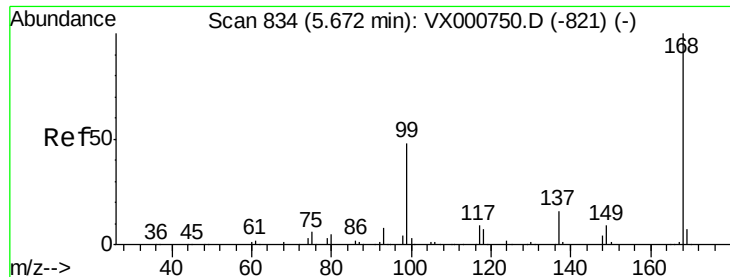
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 14 05:11:27 2018
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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: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

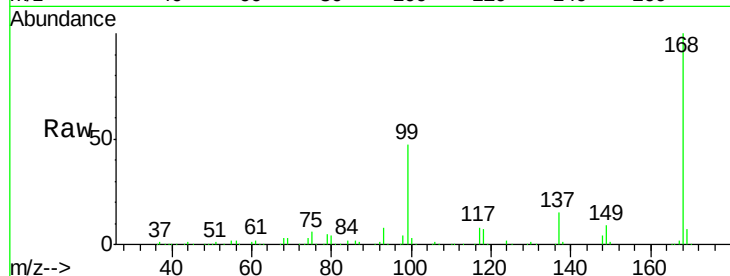
MDL-WATER-03-QT2-2018

Tgt Ion: 168 Resp: 249972

Ion Ratio Lower Upper

168 100

99 47.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

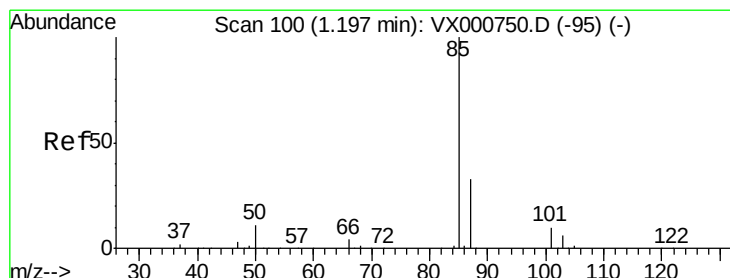
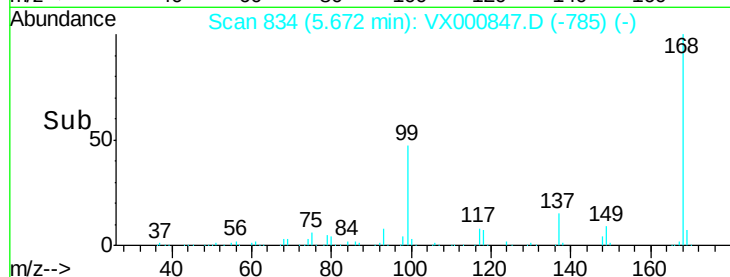
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000847.D

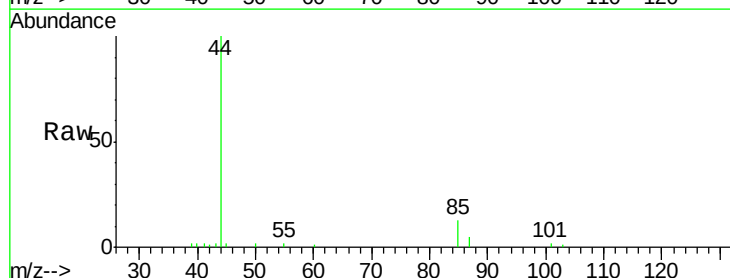
Acq: 13 Apr 2018 14:18

Tgt Ion: 85 Resp: 790

Ion Ratio Lower Upper

85 100

87 39.7 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

800

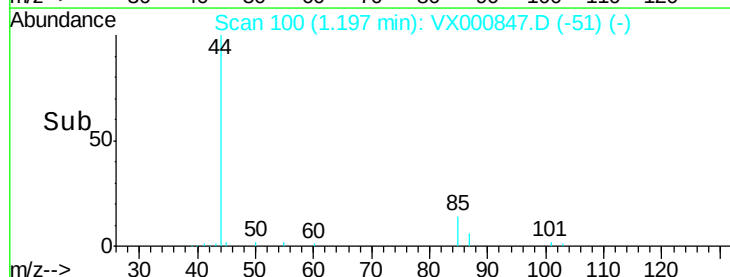
600

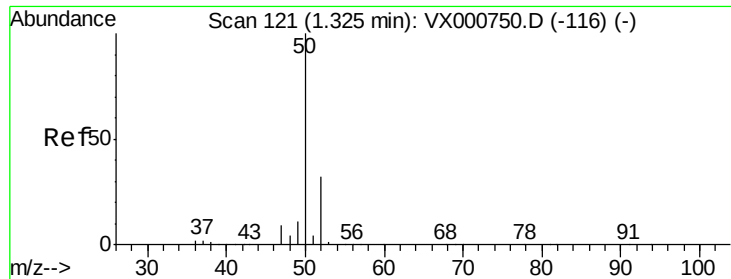
400

200

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

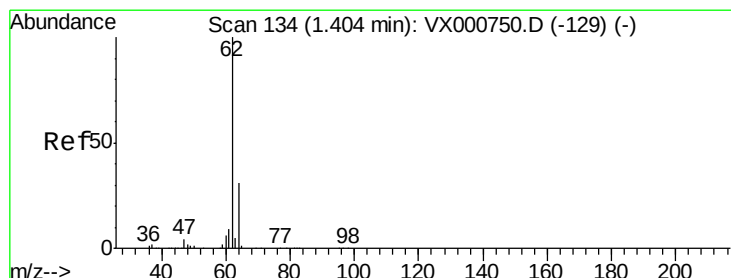
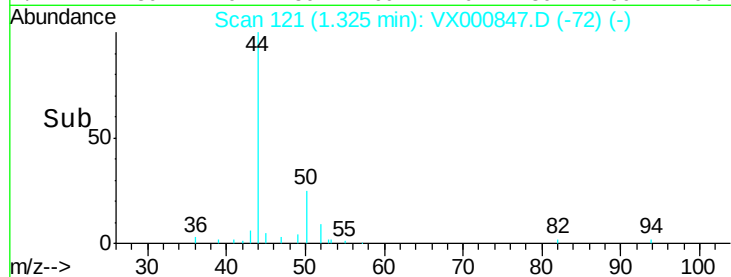
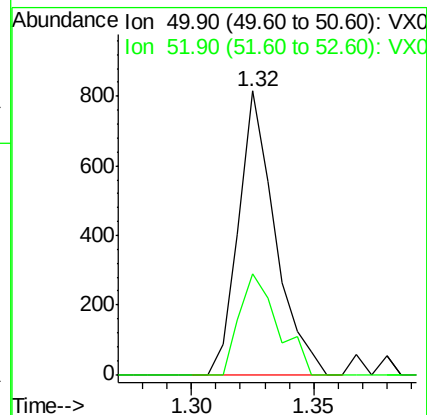
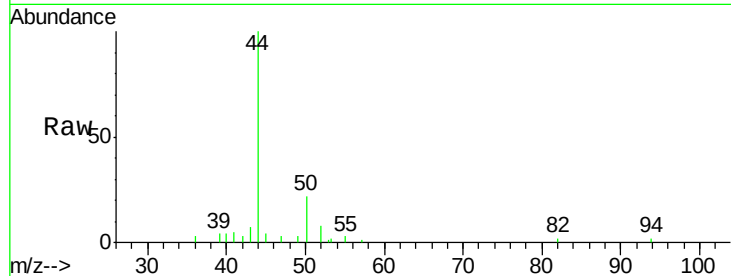
MDL-WATER-03-QT2-2018

Tgt Ion: 50 Resp: 845

Ion Ratio Lower Upper

50 100

52 35.7 25.8 38.8



#4

Vinyl Chloride

Concen: 0.30 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000847.D

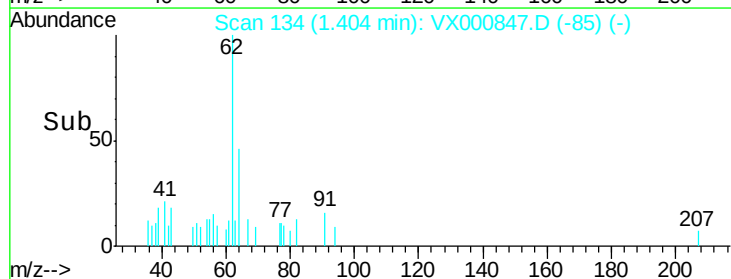
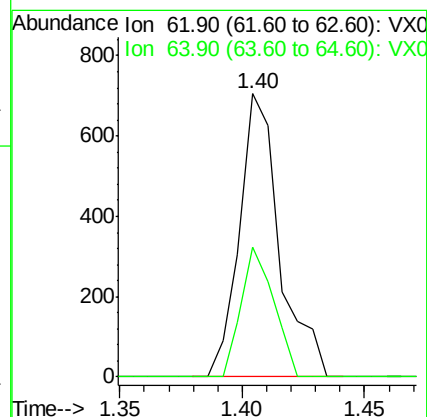
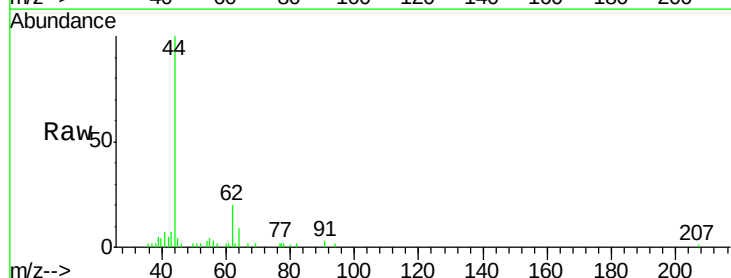
Acq: 13 Apr 2018 14:18

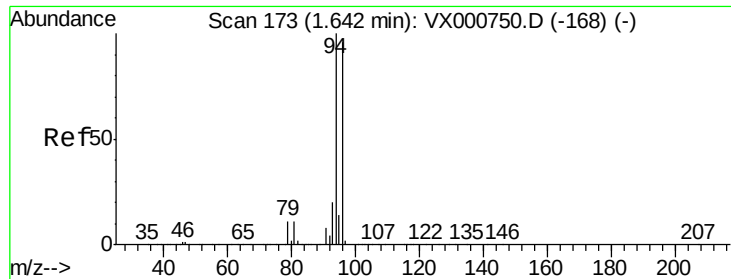
Tgt Ion: 62 Resp: 804

Ion Ratio Lower Upper

62 100

64 46.0 24.6 36.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

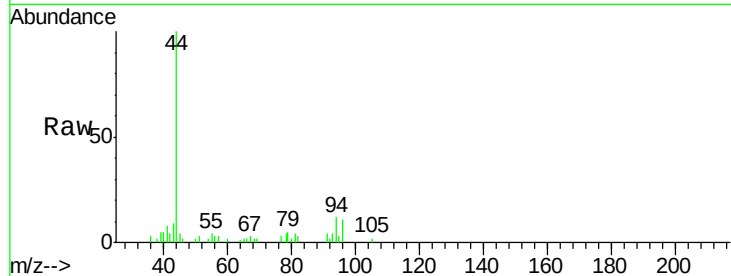
MDL-WATER-03-QT2-2018

Tgt Ion: 94 Resp: 774

Ion Ratio Lower Upper

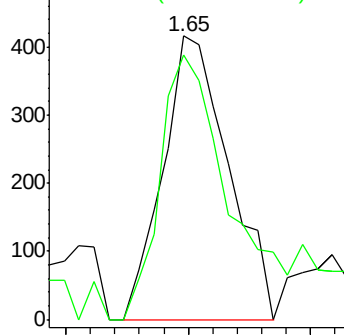
94 100

96 93.3 77.0 115.6

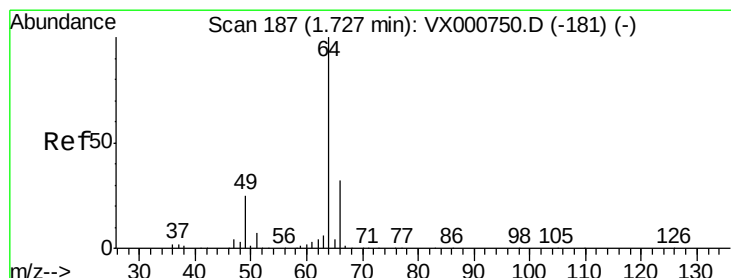
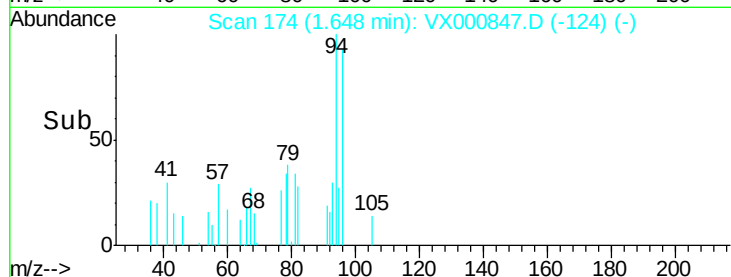


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 1.52 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000847.D

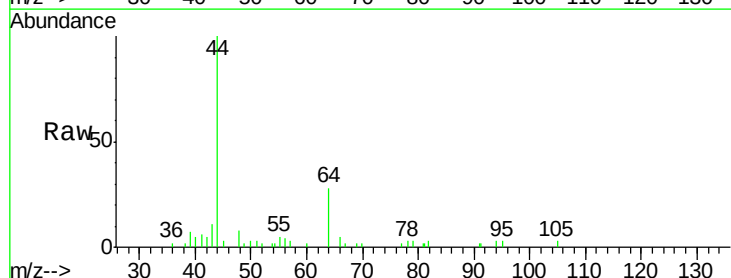
Acq: 13 Apr 2018 14:18

Tgt Ion: 64 Resp: 2499

Ion Ratio Lower Upper

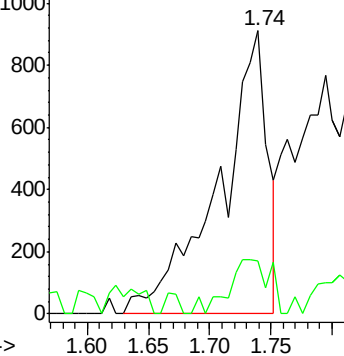
64 100

66 12.4 25.3 37.9#

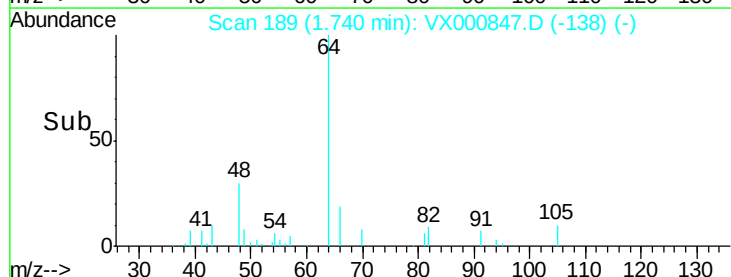


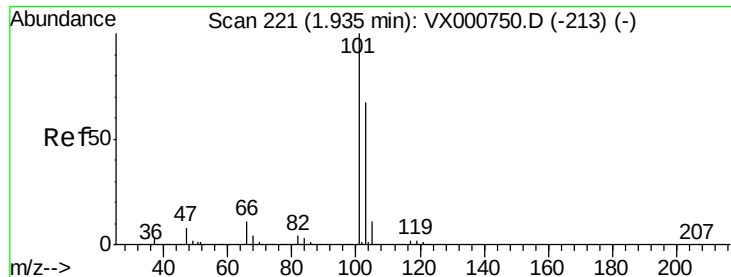
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

Trichlorofluoromethane

Concen: 0.32 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX000847.D

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ClientSampleId :

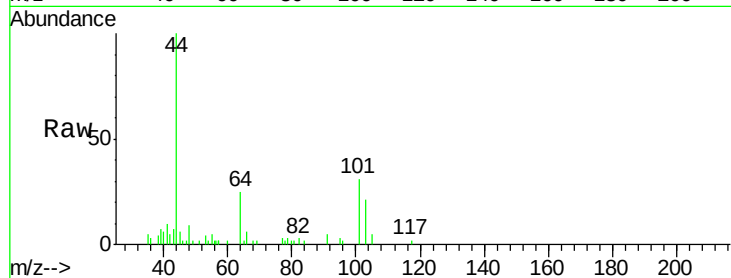
MDL-WATER-03-QT2-2018

Tgt Ion: 101 Resp: 1311

Ion Ratio Lower Upper

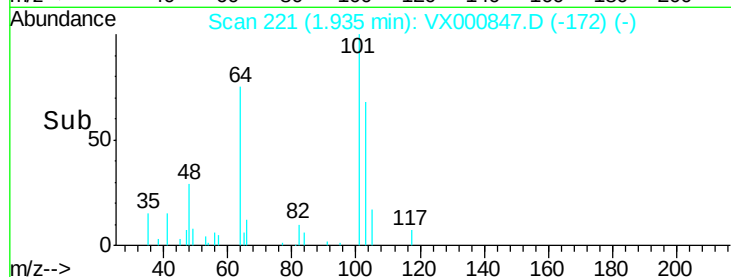
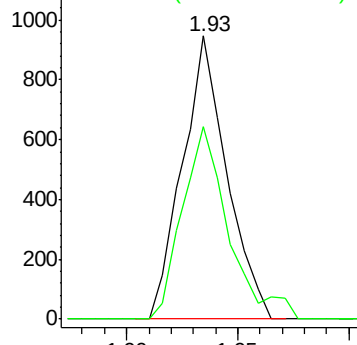
101 100

103 68.2 53.2 79.8

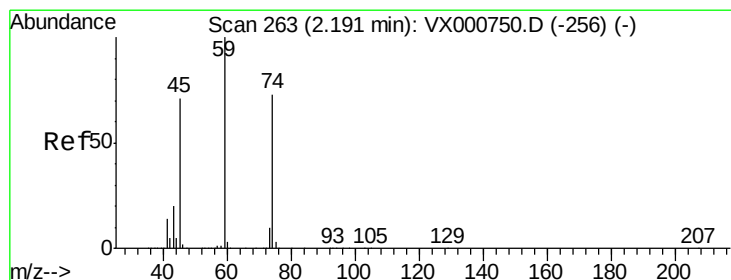


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 0.35 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX000847.D

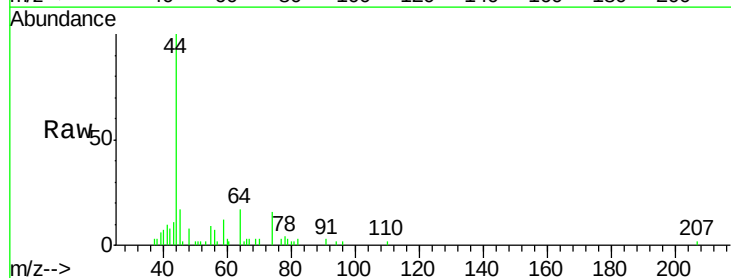
Acq: 13 Apr 2018 14:18

Tgt Ion: 74 Resp: 543

Ion Ratio Lower Upper

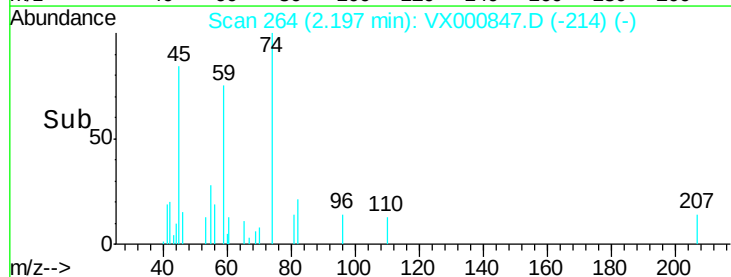
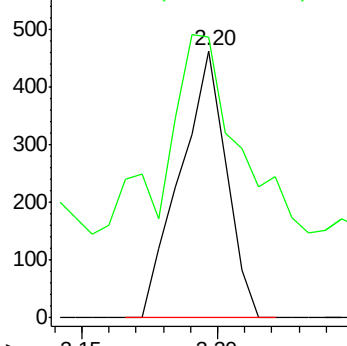
74 100

45 135.5 48.6 145.8

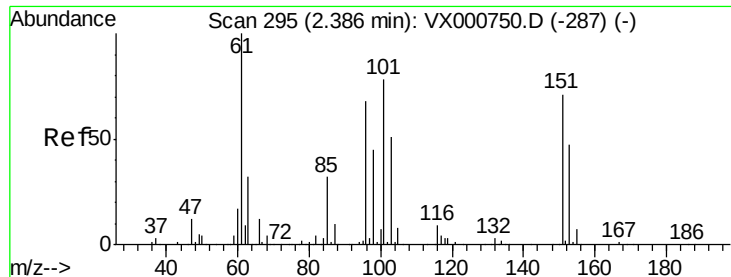


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.36 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

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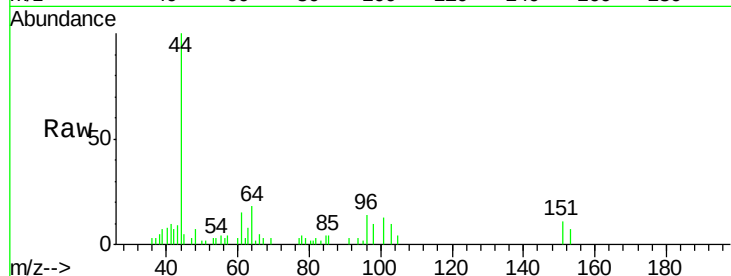
Tgt Ion:101 Resp: 864

Ion Ratio Lower Upper

101 100

85 45.9 34.0 51.0

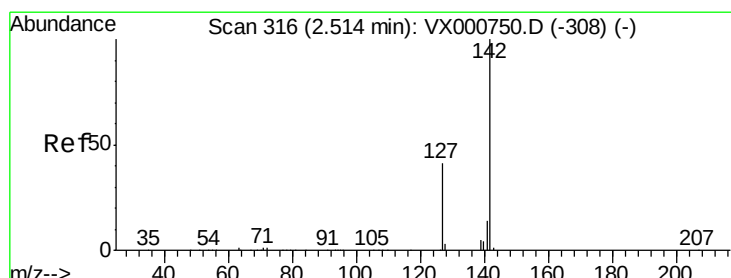
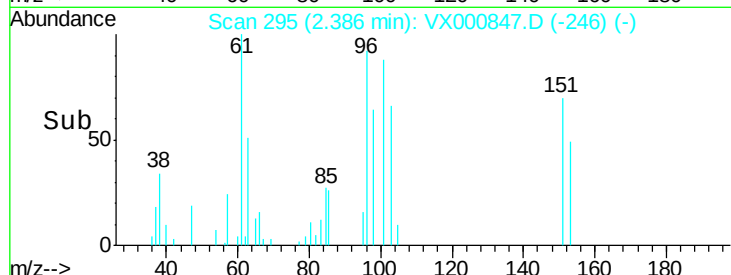
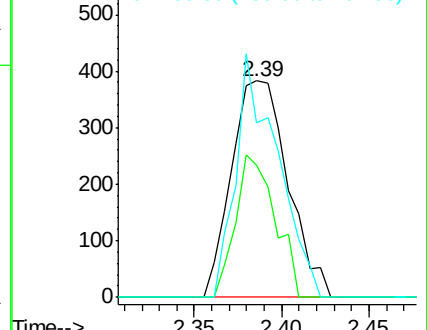
151 82.9 75.8 113.8



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: 8.43 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

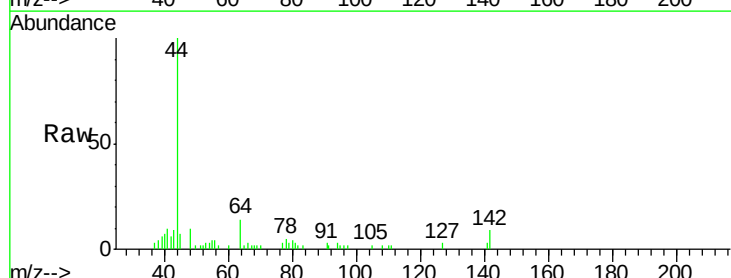
Tgt Ion:142 Resp: 457

Ion Ratio Lower Upper

142 100

127 23.9 32.6 49.0#

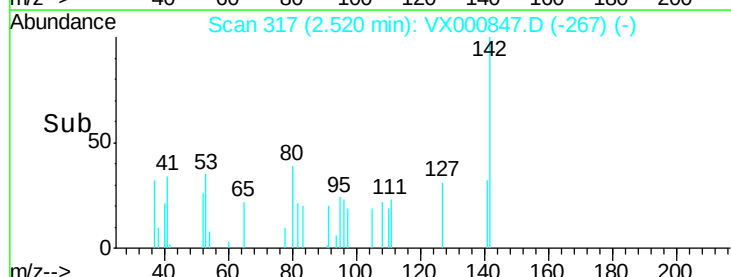
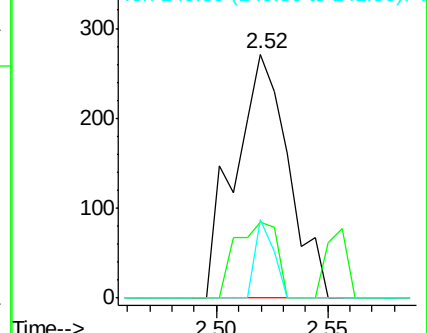
141 11.2 11.5 17.3#

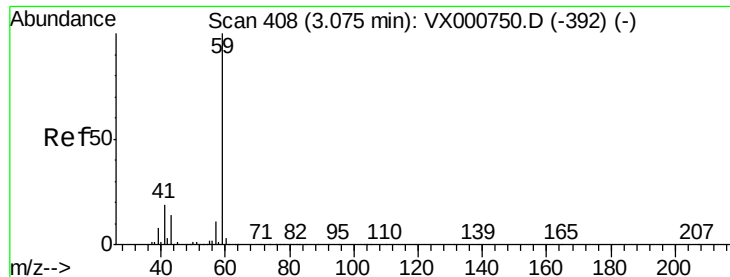


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1.91 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

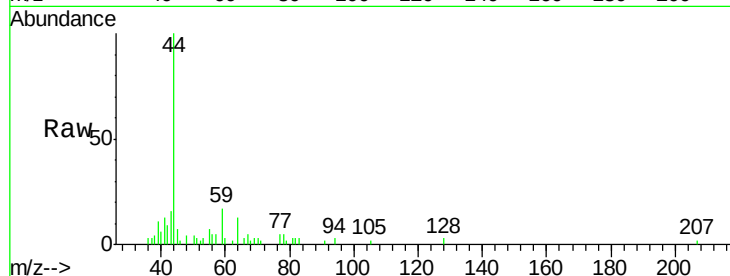
MDL-WATER-03-QT2-2018

Tgt Ion: 59 Resp: 1067

Ion Ratio Lower Upper

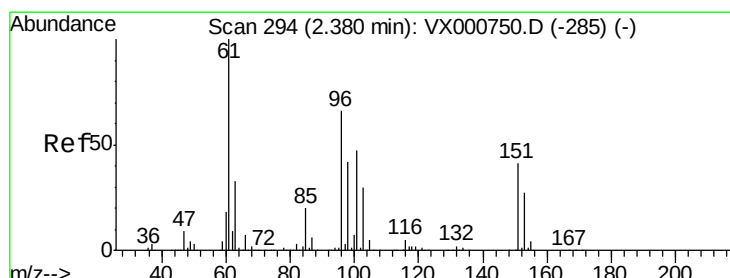
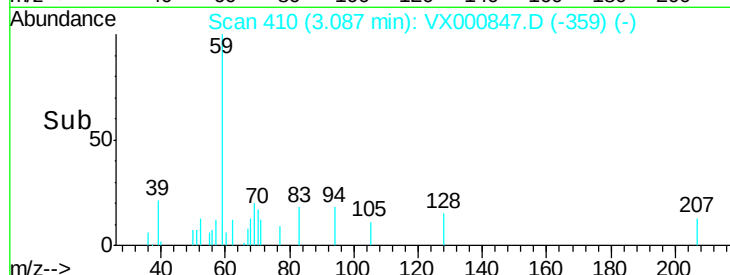
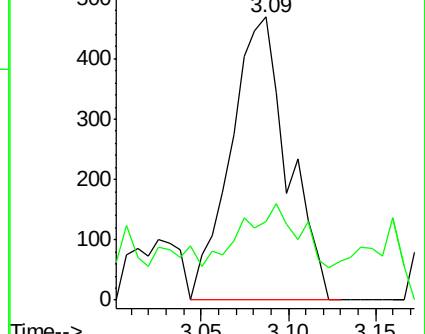
59 100

57 27.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 0.45 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

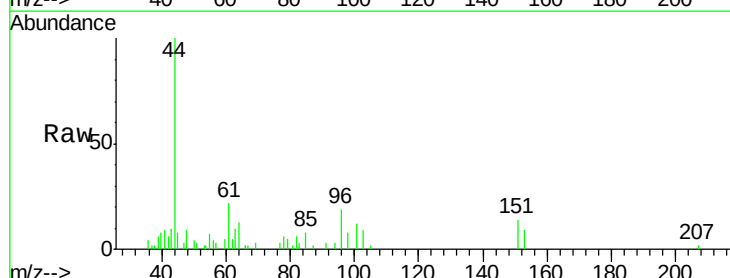
Tgt Ion: 96 Resp: 1021

Ion Ratio Lower Upper

96 100

61 110.7 120.5 180.7#

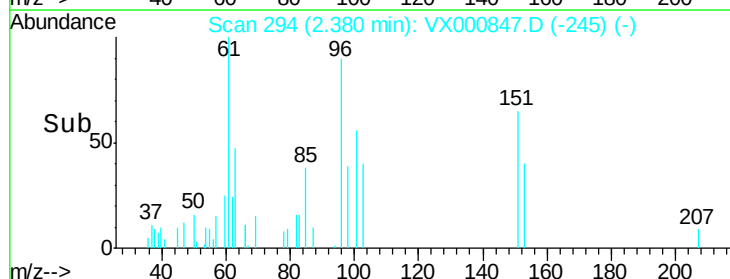
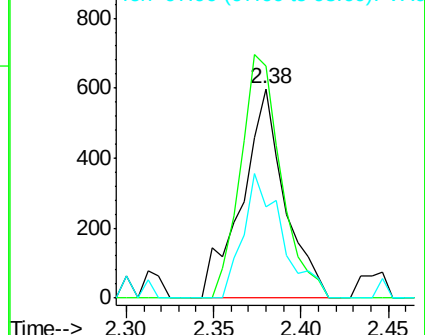
98 43.4 50.9 76.3#

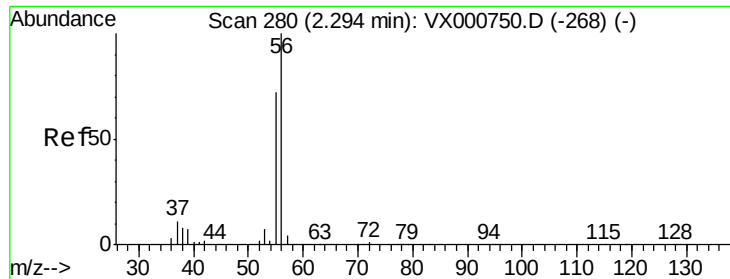


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

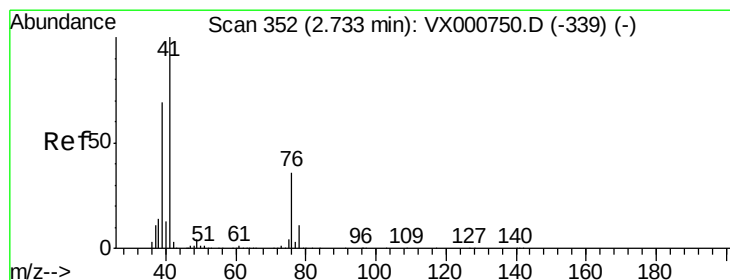
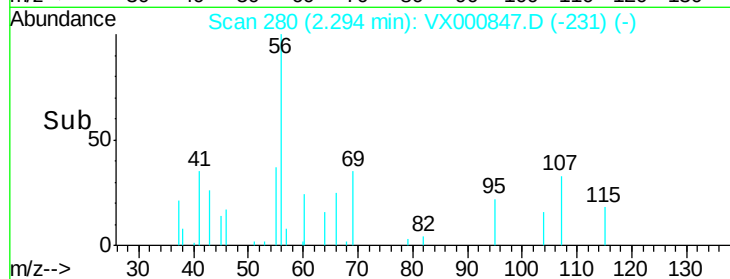
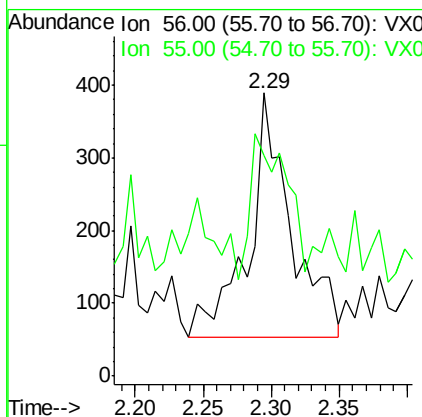
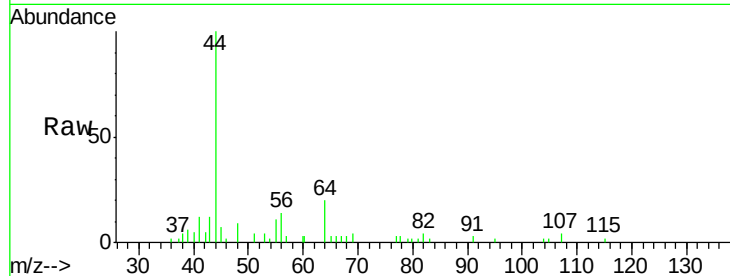




#13
Acrolein
Concen: 2.68 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

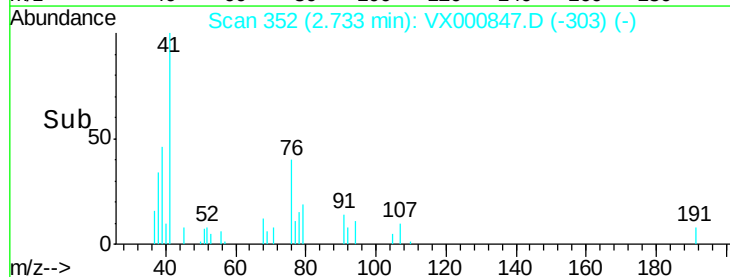
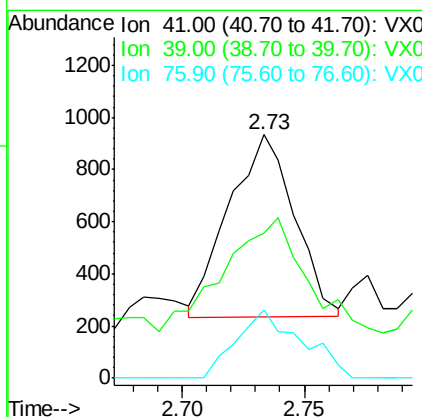
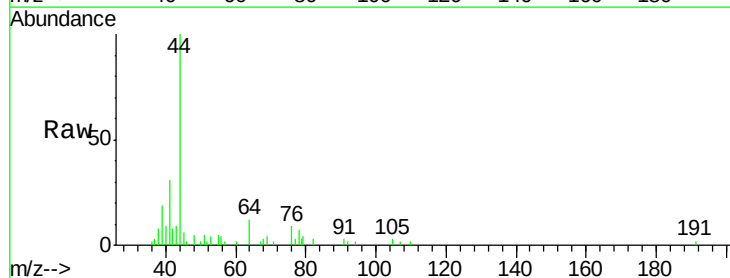
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

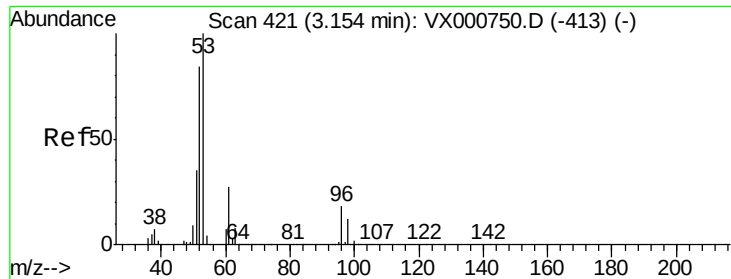
Tgt Ion: 56 Resp: 729
Ion Ratio Lower Upper
56 100
55 55.1 58.7 88.1#



#14
Allyl chloride
Concen: 0.31 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 41 Resp: 1306
Ion Ratio Lower Upper
41 100
39 78.6 51.5 77.3#
76 37.1 26.5 39.7





#15

Acrylonitrile

Concen: 2.13 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

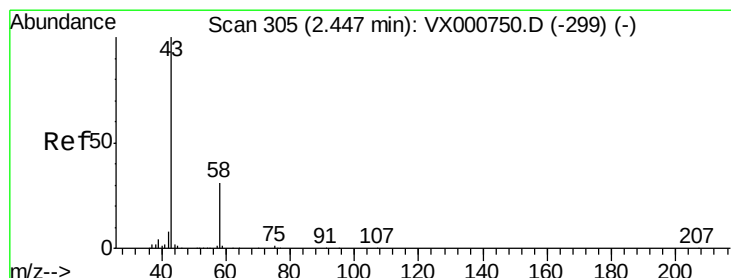
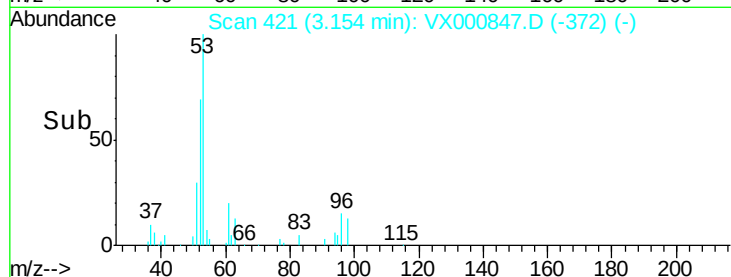
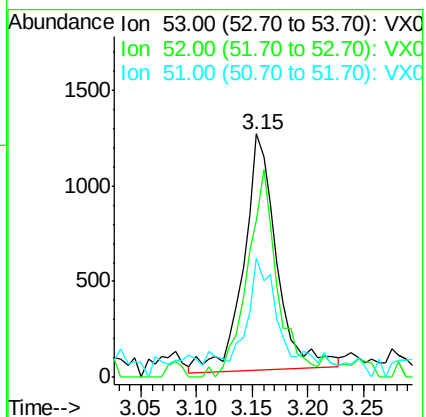
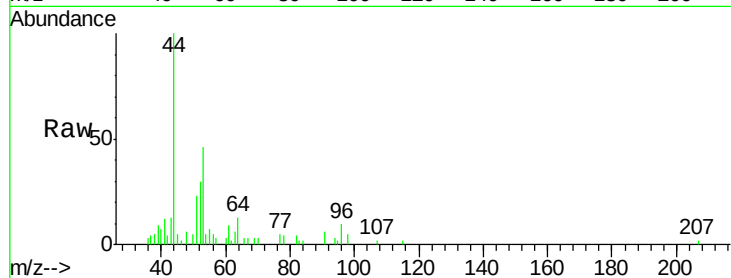
Tgt Ion: 53 Resp: 2536

Ion Ratio Lower Upper

53 100

52 81.0 66.5 99.7

51 32.9 28.8 43.2



#16

Acetone

Concen: 2.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000847.D

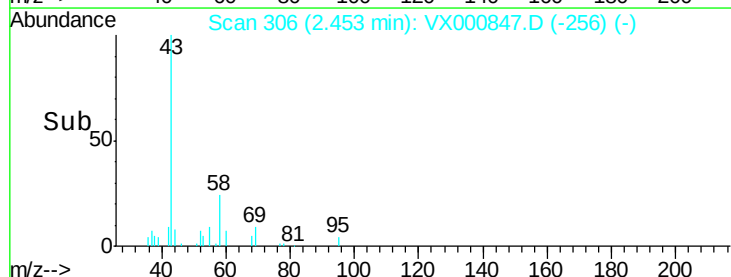
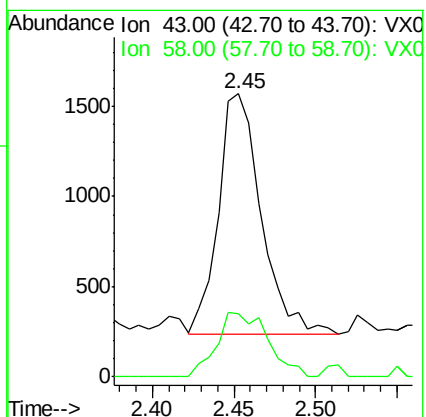
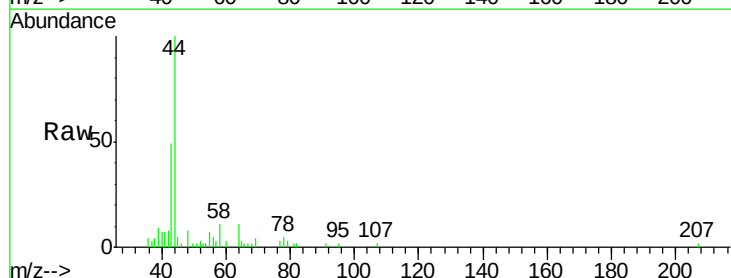
Acq: 13 Apr 2018 14:18

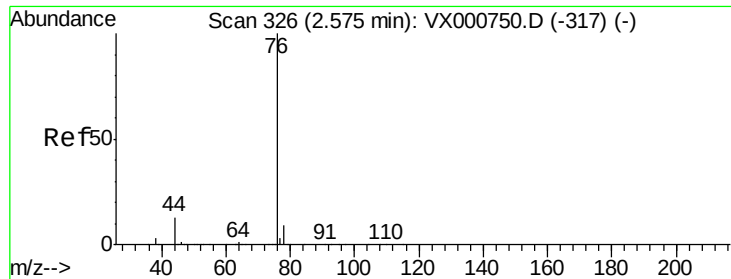
Tgt Ion: 43 Resp: 2434

Ion Ratio Lower Upper

43 100

58 26.6 24.6 37.0

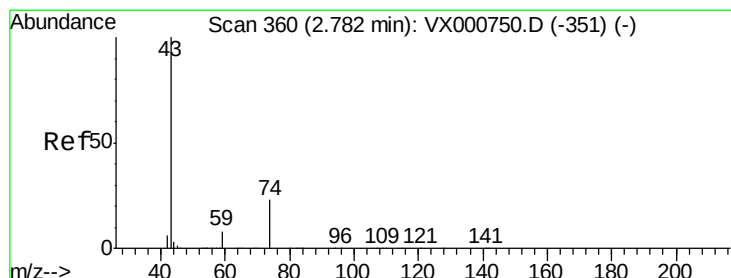
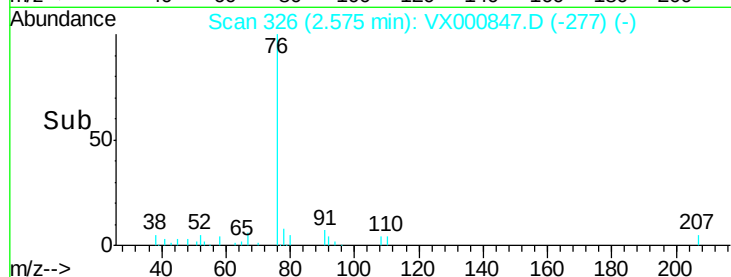
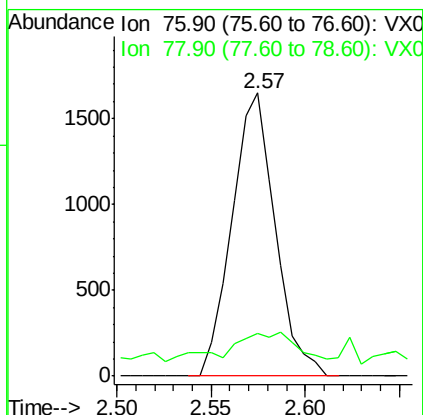
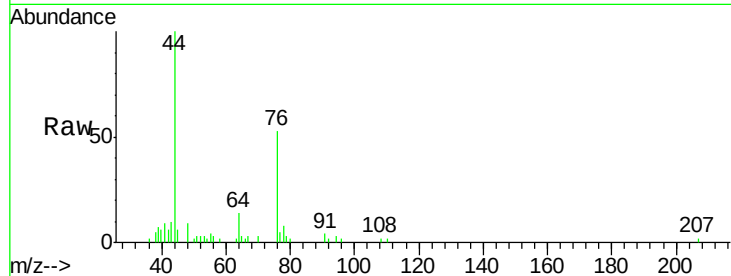




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

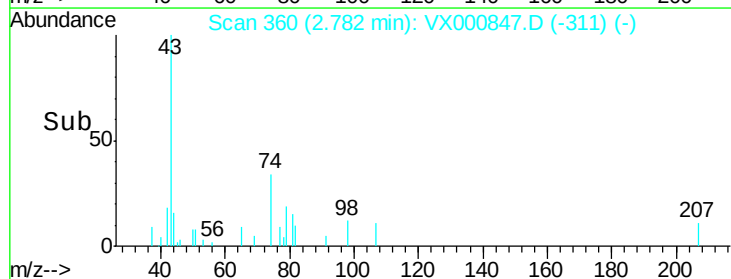
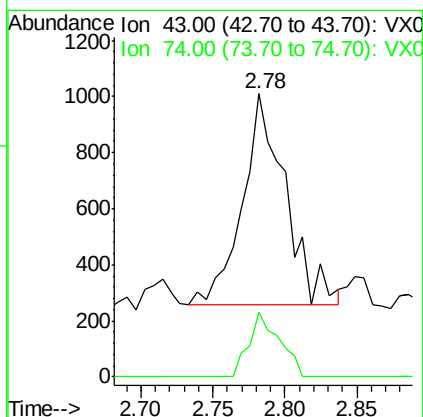
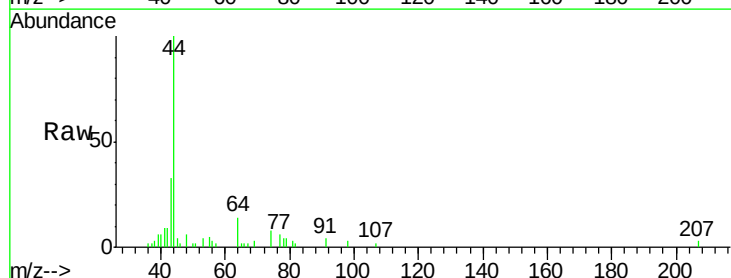
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

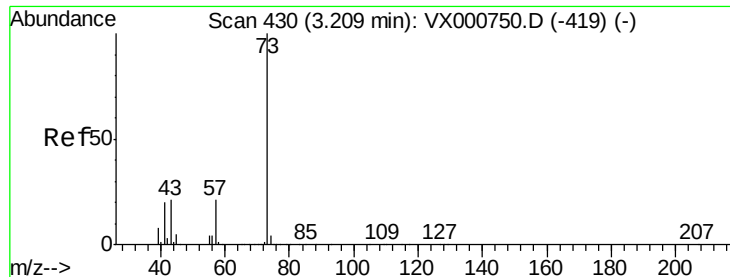
Tgt Ion: 76 Resp: 2625
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 0.55 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
74 21.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 0.33 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

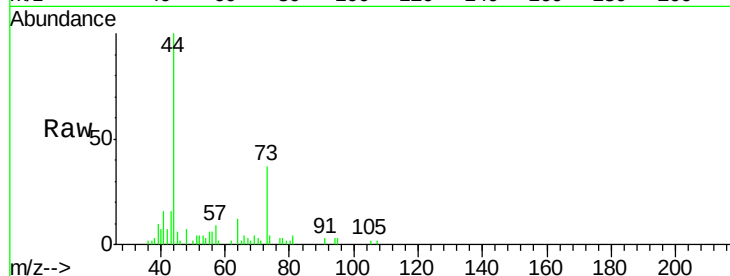
MDL-WATER-03-QT2-2018

Tgt Ion: 73 Resp: 2533

Ion Ratio Lower Upper

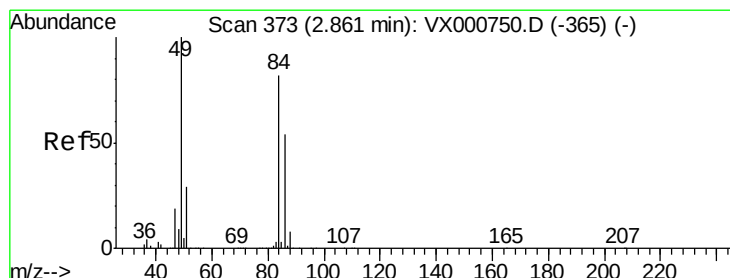
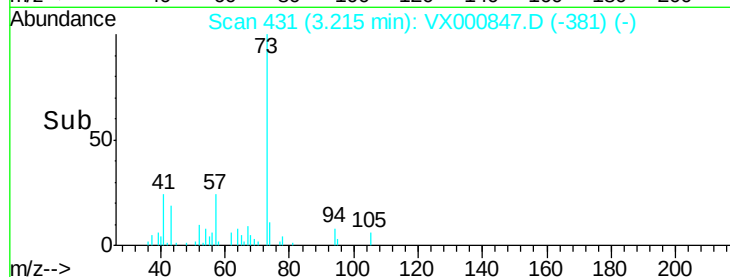
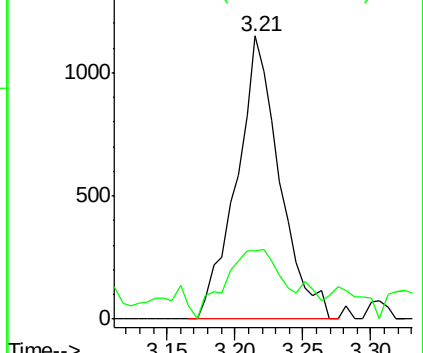
73 100

57 19.3 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 0.52 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Tgt Ion: 84 Resp: 1326

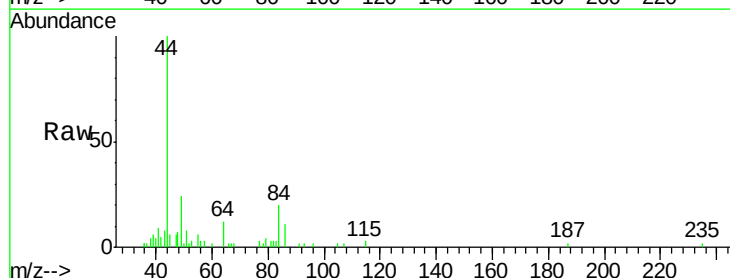
Ion Ratio Lower Upper

84 100

49 121.7 98.1 147.1

51 28.8 28.9 43.3#

86 58.0 52.7 79.1

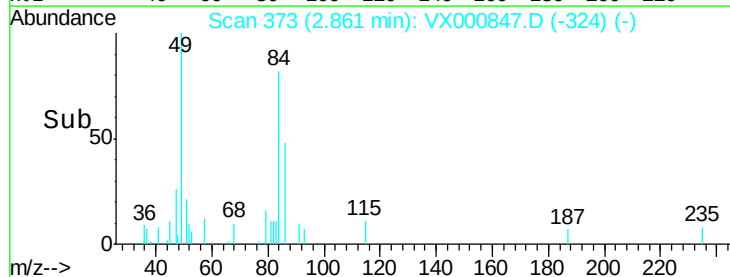
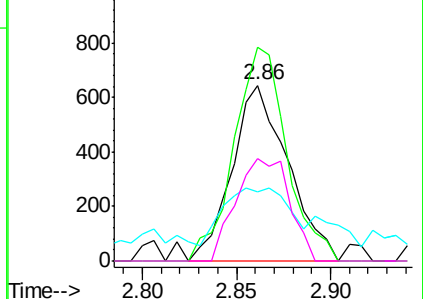


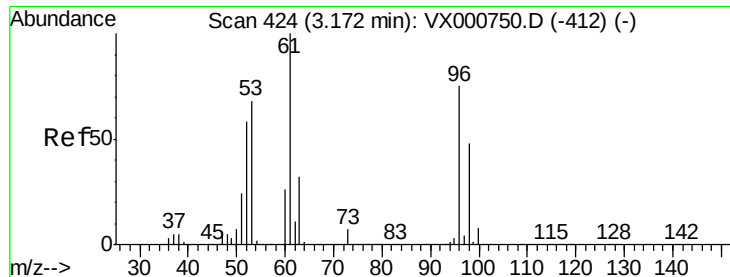
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.45 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

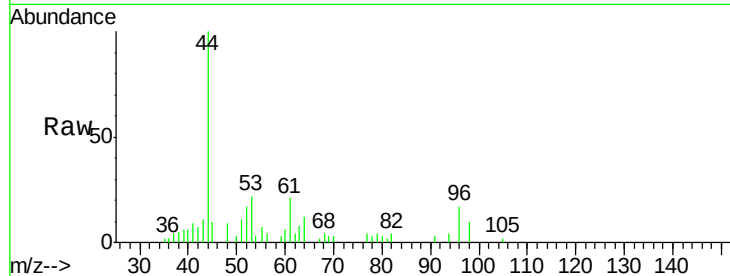
Tgt Ion: 96 Resp: 1130

Ion Ratio Lower Upper

96 100

61 122.4 106.2 159.2

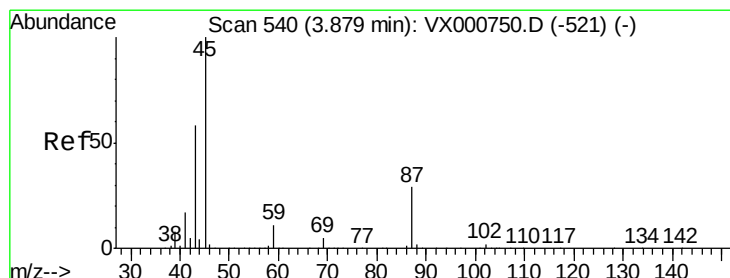
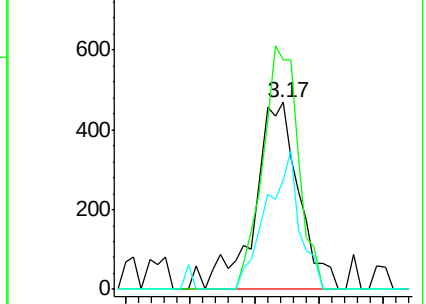
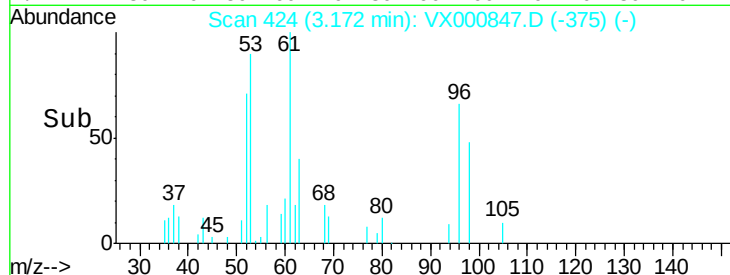
98 58.4 51.2 76.8



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: 0.34 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Tgt Ion: 45 Resp: 2650

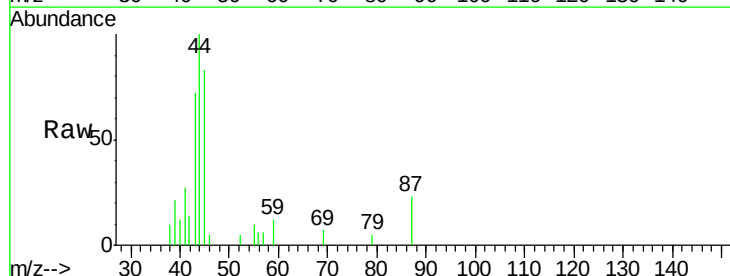
Ion Ratio Lower Upper

45 100

43 67.2 46.6 69.8

87 30.4 22.9 34.3

59 15.3 9.2 13.8#

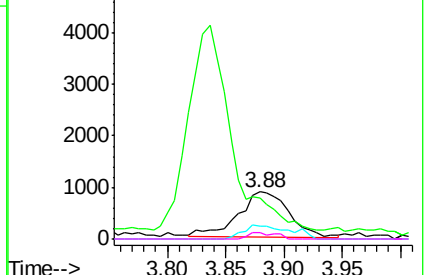
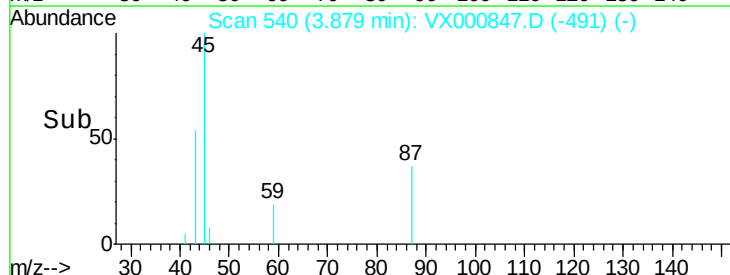


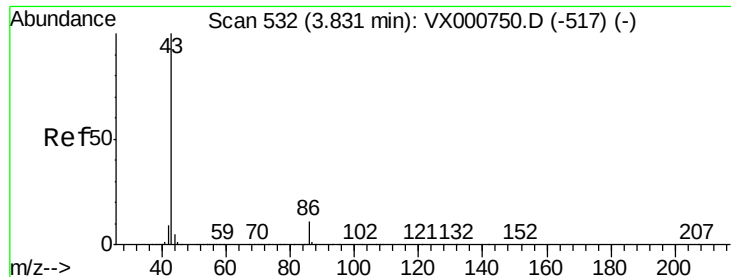
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 1.50 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

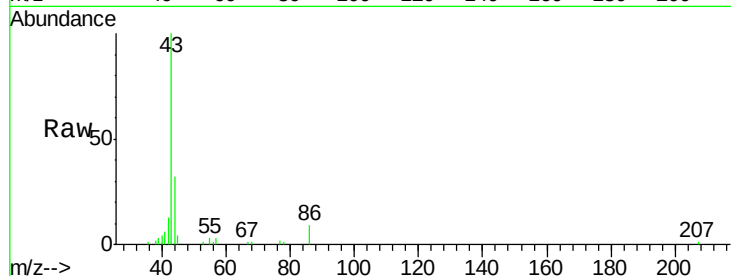
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 10246

Ion Ratio Lower Upper

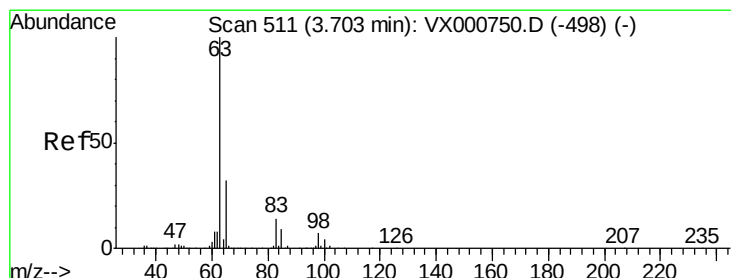
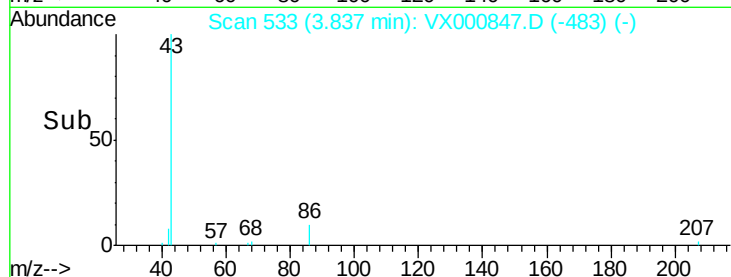
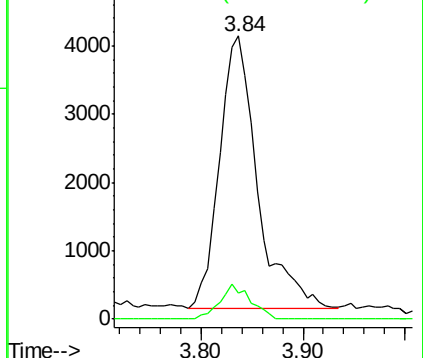
43 100

86 9.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.36 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

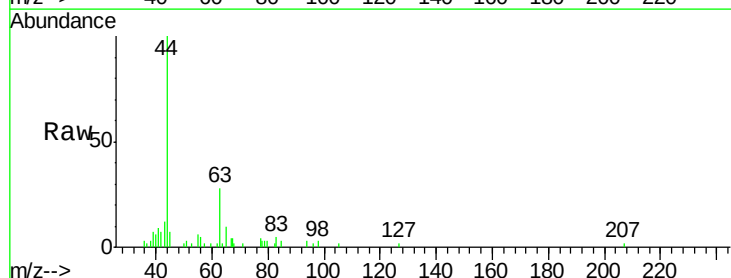
Tgt Ion: 63 Resp: 1562

Ion Ratio Lower Upper

63 100

98 10.9 3.3 9.9#

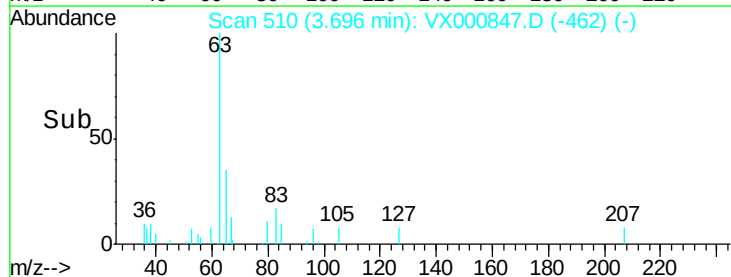
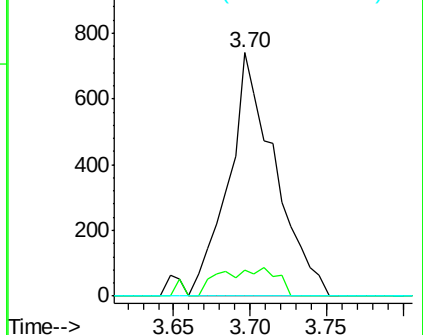
100 0.0 2.1 6.3#

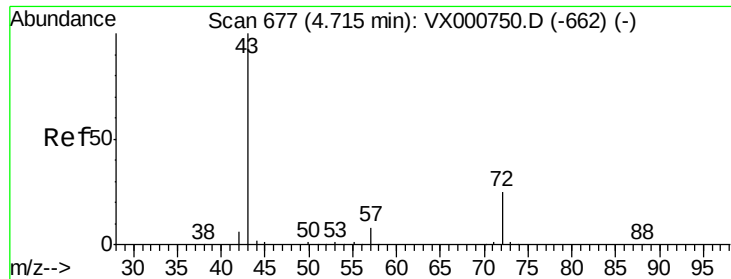


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 1.67 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

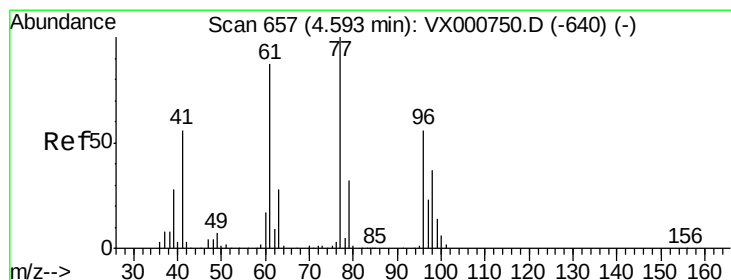
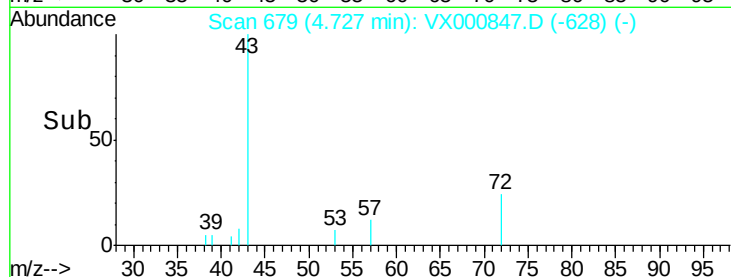
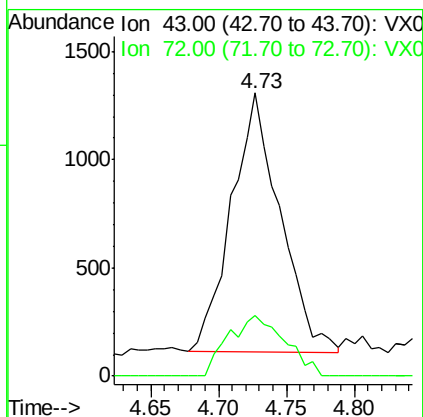
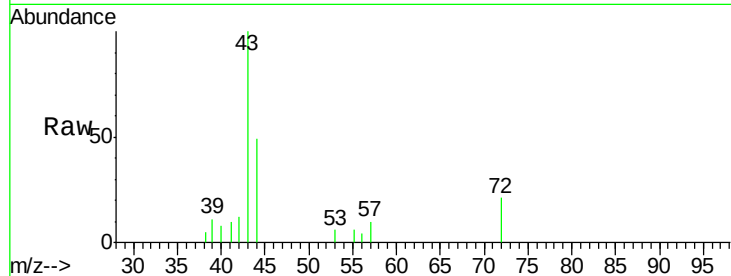
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 2992

Ion Ratio Lower Upper

43 100

72 23.5 20.3 30.5



#26

2,2-Dichloropropane

Concen: 0.36 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000847.D

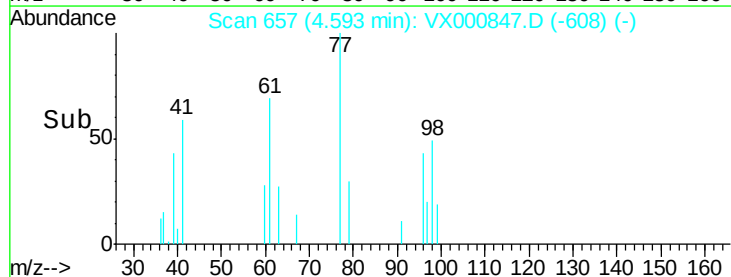
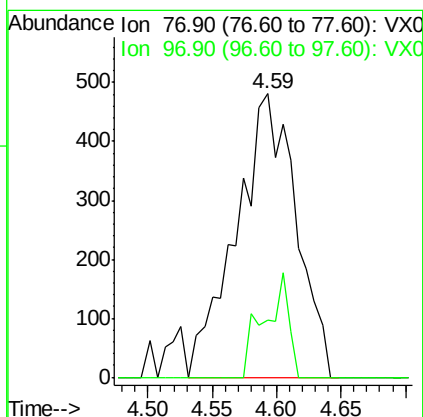
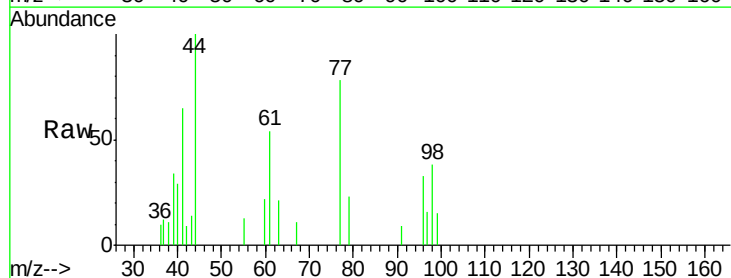
Acq: 13 Apr 2018 14:18

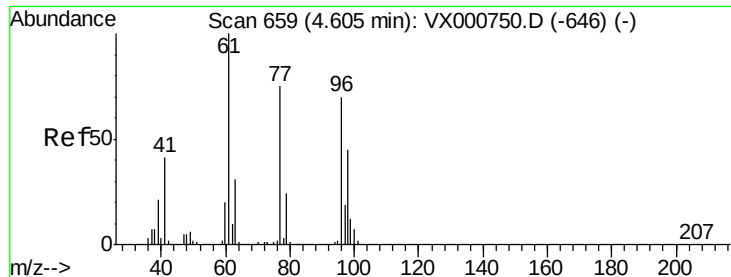
Tgt Ion: 77 Resp: 1548

Ion Ratio Lower Upper

77 100

97 15.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 0.35 ug/l

RT: 4.62 min Scan# 661

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

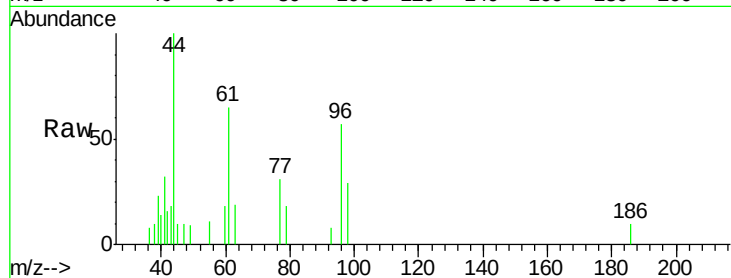
Tgt Ion: 96 Resp: 1000

Ion Ratio Lower Upper

96 100

61 135.4 0.0 292.4

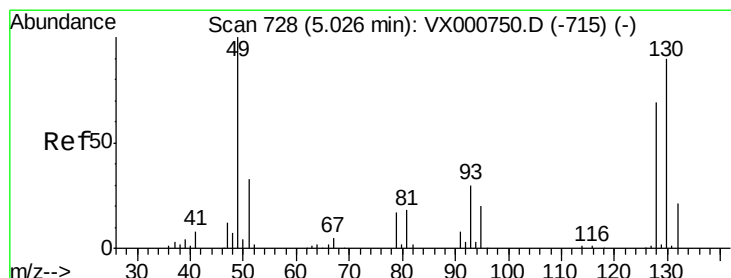
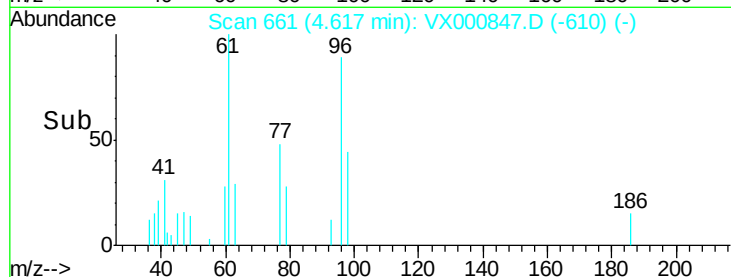
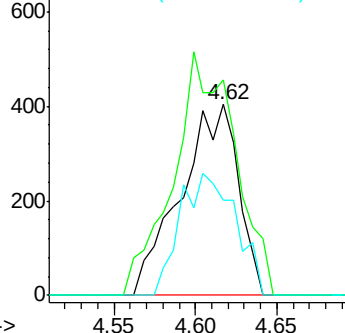
98 61.3 0.0 130.2



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



#28

Bromochloromethane

Concen: 0.40 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

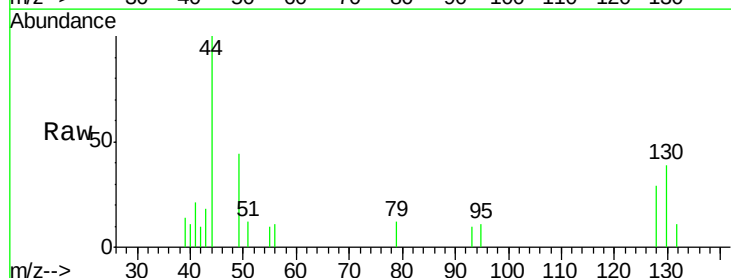
Tgt Ion: 49 Resp: 708

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

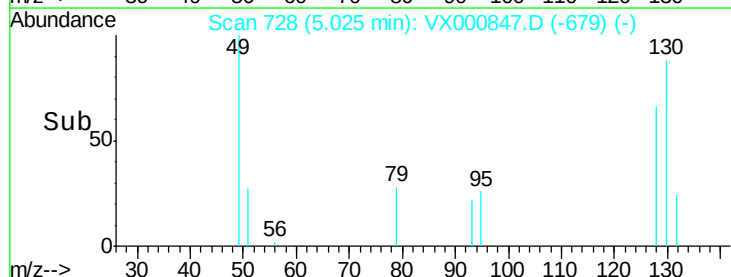
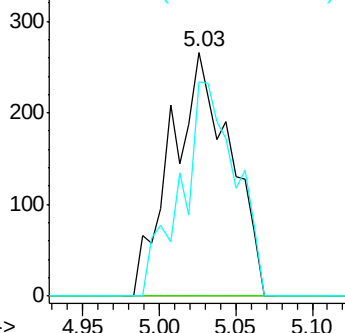
130 81.8 72.6 109.0

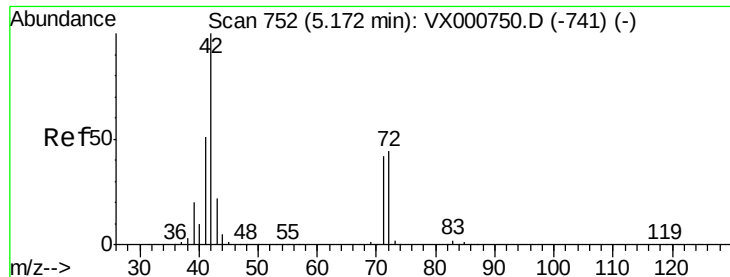


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 2.50 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

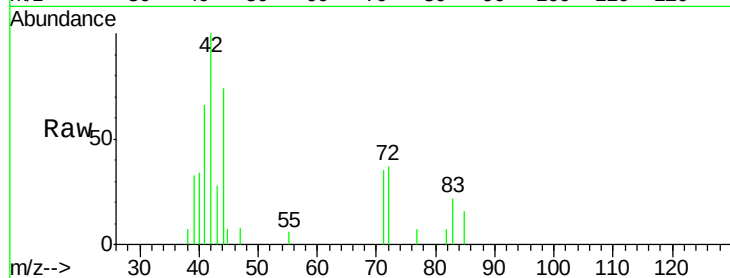
Tgt Ion: 42 Resp: 2848

Ion Ratio Lower Upper

42 100

72 34.3 35.1 52.7#

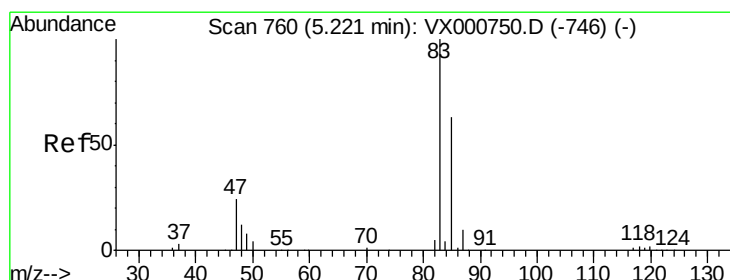
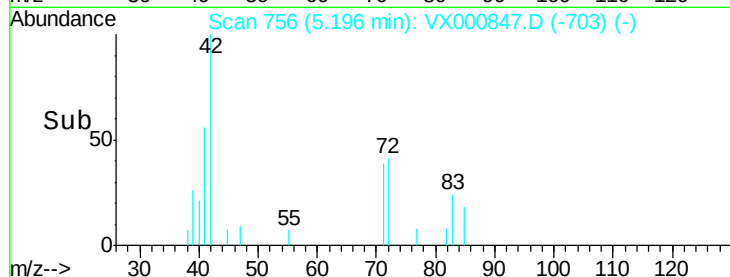
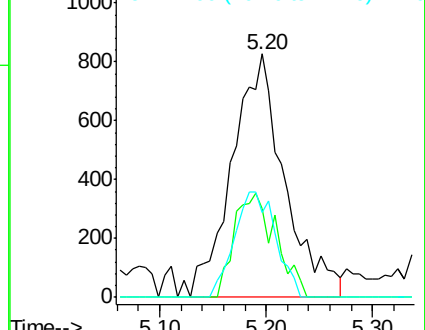
71 34.4 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.36 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX000847.D

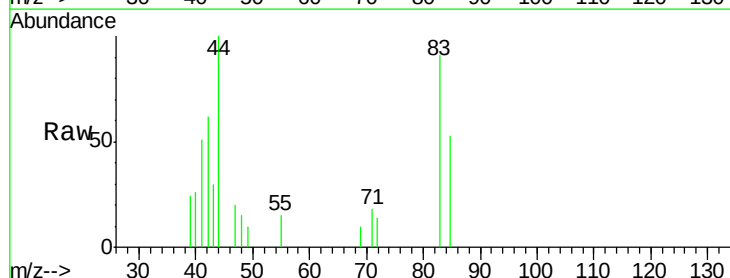
Acq: 13 Apr 2018 14:18

Tgt Ion: 83 Resp: 1647

Ion Ratio Lower Upper

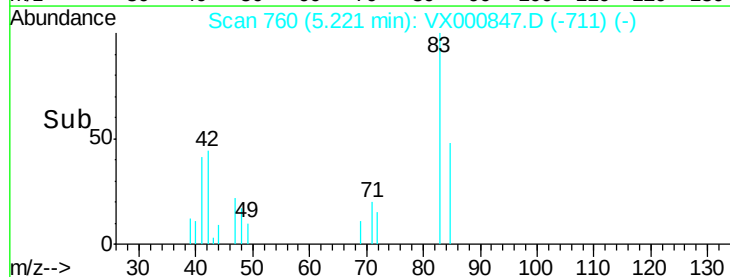
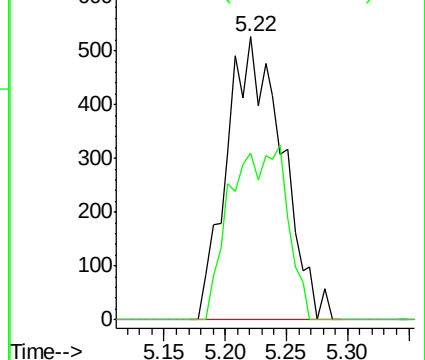
83 100

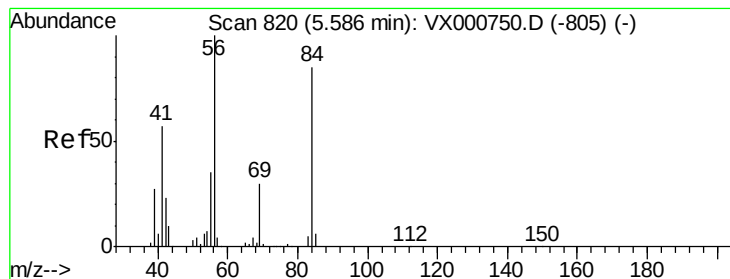
85 58.7 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.02 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

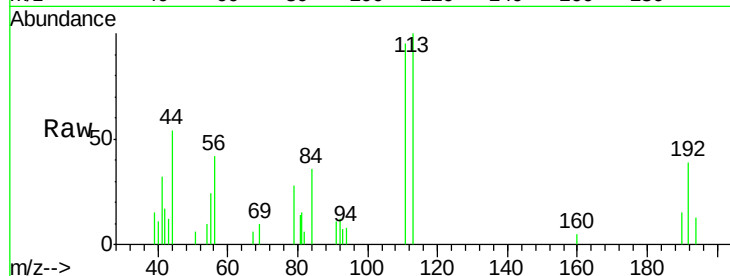
Tgt Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

69 23.9 24.2 36.4#

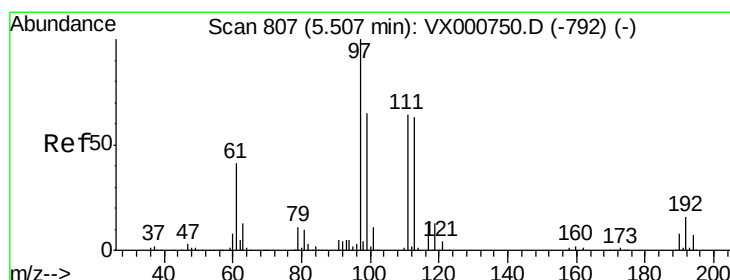
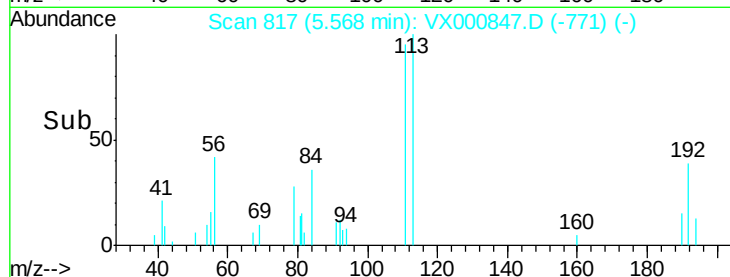
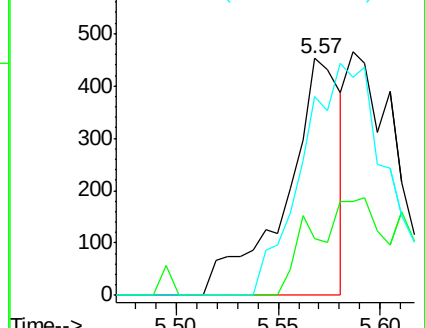
84 84.1 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.32 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

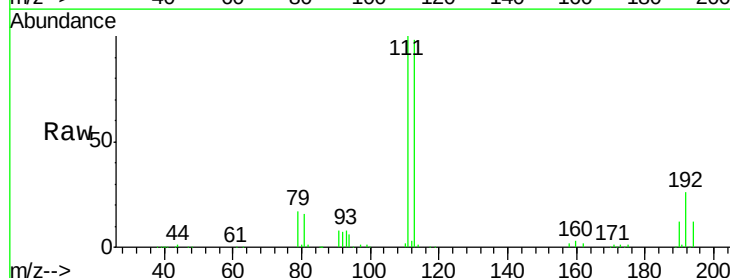
Tgt Ion: 97 Resp: 1421

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

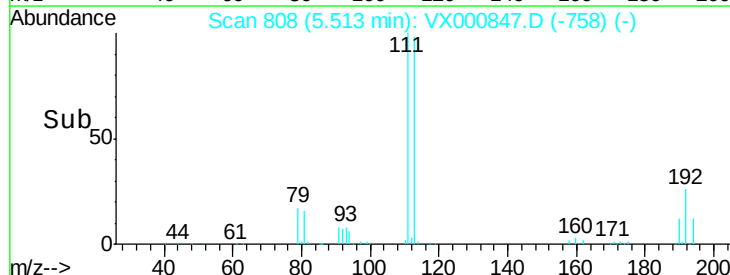
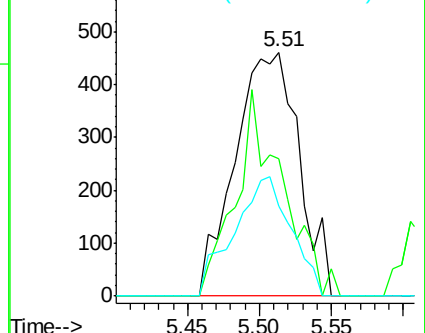
61 43.6 33.7 50.5

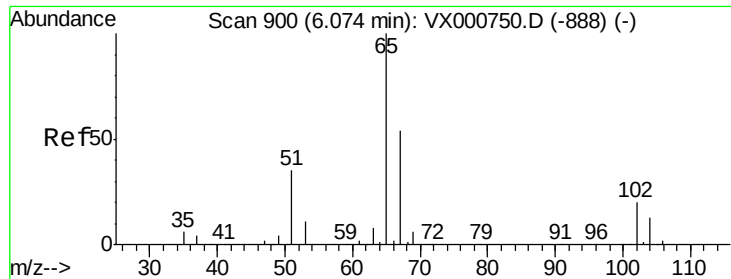


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

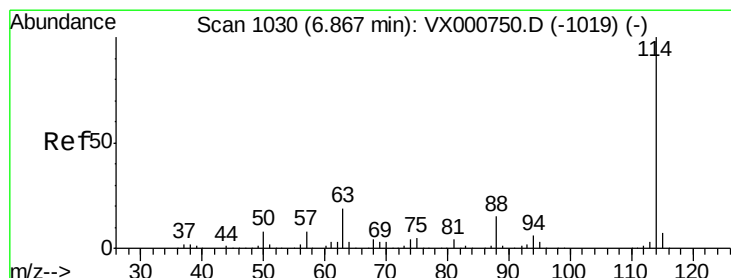
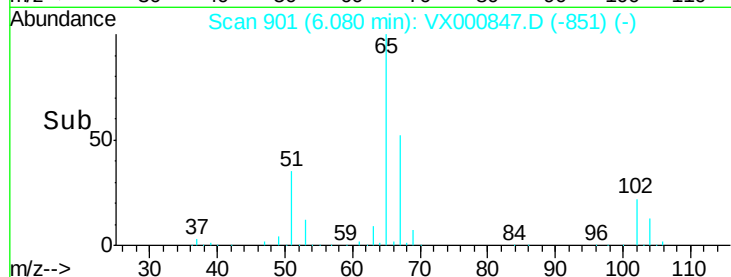
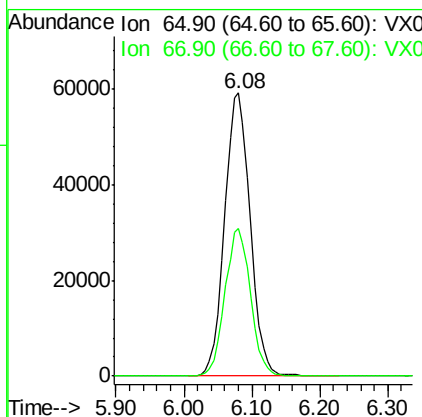
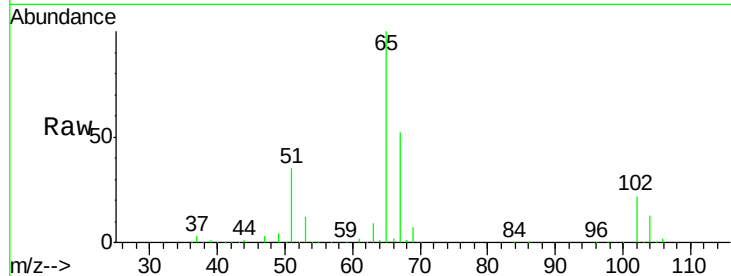




#33
 1,2-Dichloroethane-d4
 Concen: 48.91 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

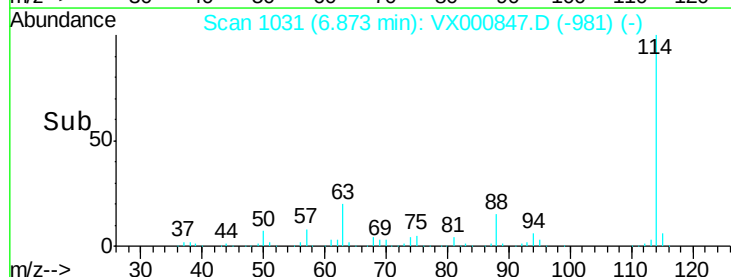
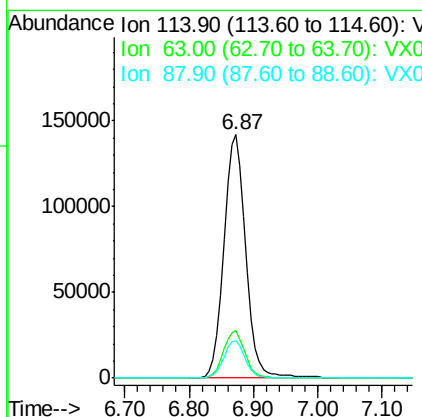
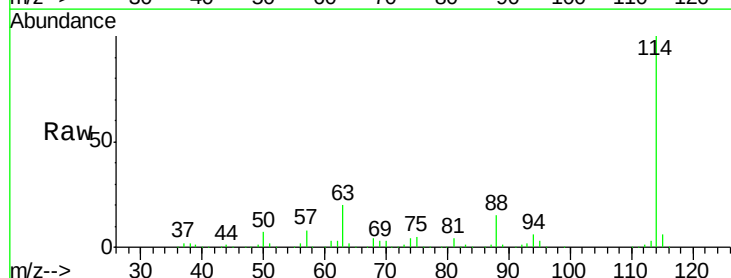
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

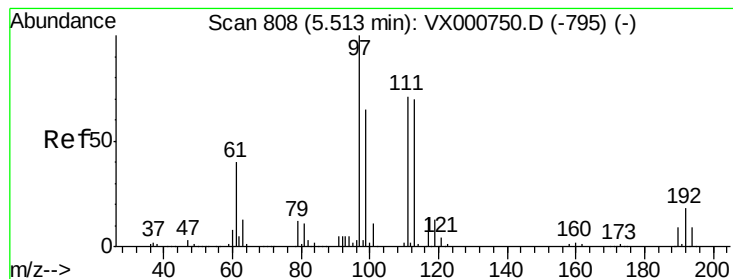
Tgt Ion: 65 Resp: 154152
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion: 114 Resp: 340598
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

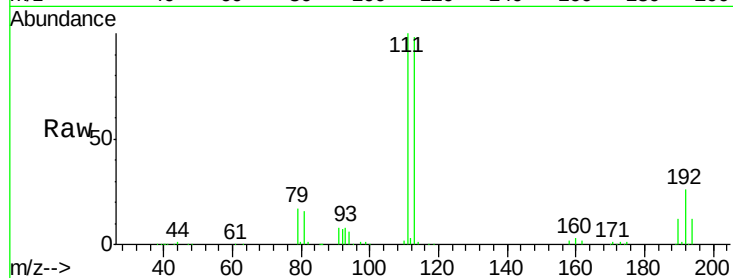
Tgt Ion:113 Resp: 127106

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

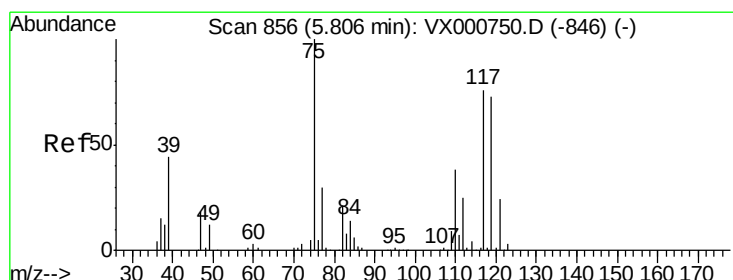
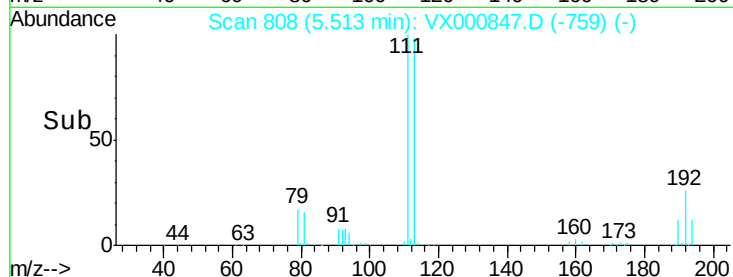
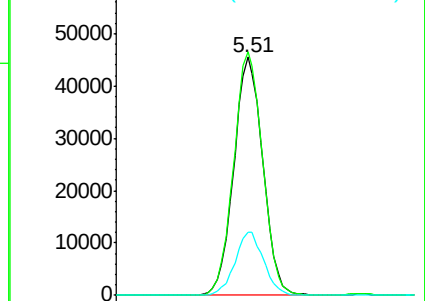
192 26.3 20.4 30.6



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: 0.38 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

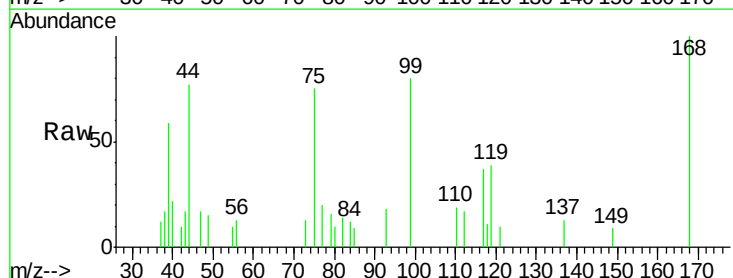
Tgt Ion: 75 Resp: 1416

Ion Ratio Lower Upper

75 100

110 32.5 19.2 57.6

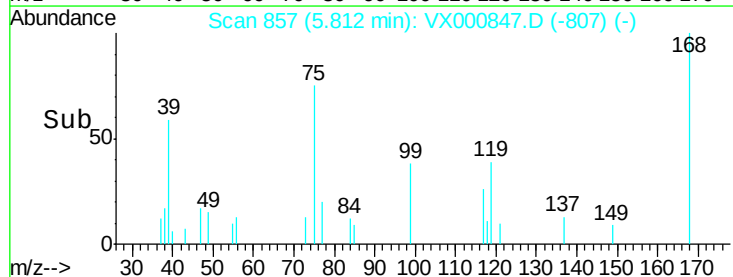
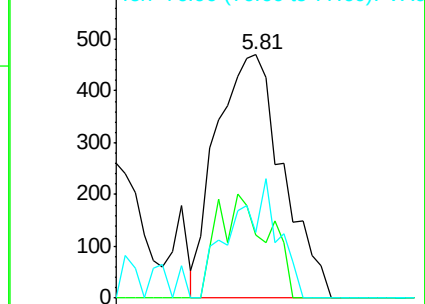
77 20.4 25.4 38.2#

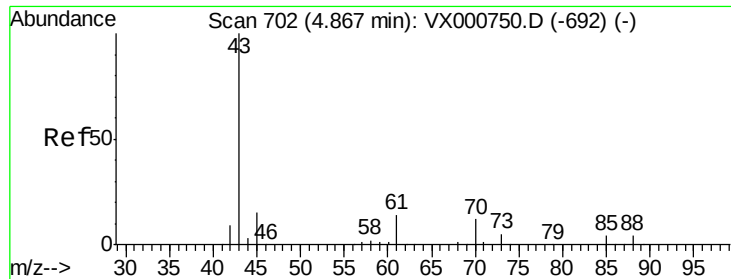


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

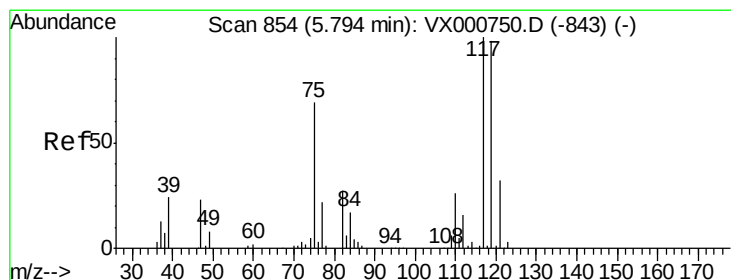
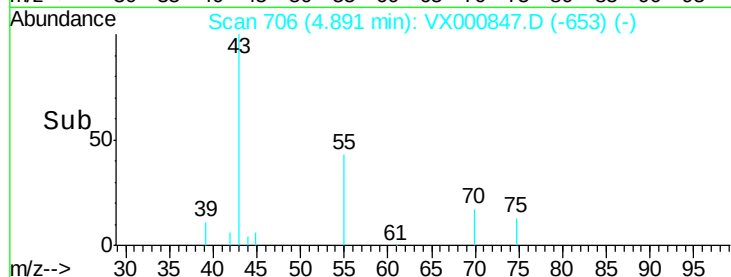
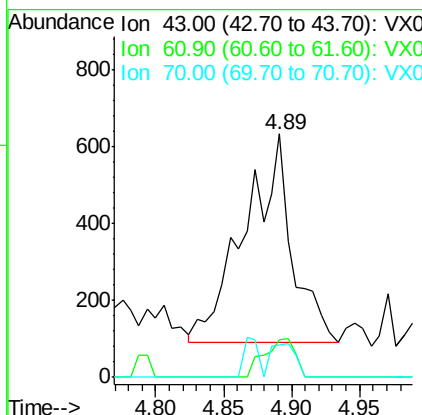
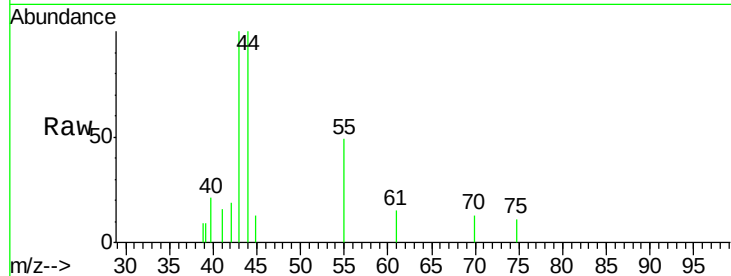




#37
Ethyl Acetate
Concen: 0.36 ug/l
RT: 4.89 min Scan# 706
Delta R.T. 0.02 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

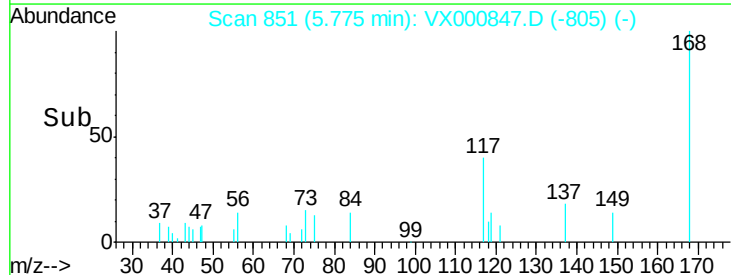
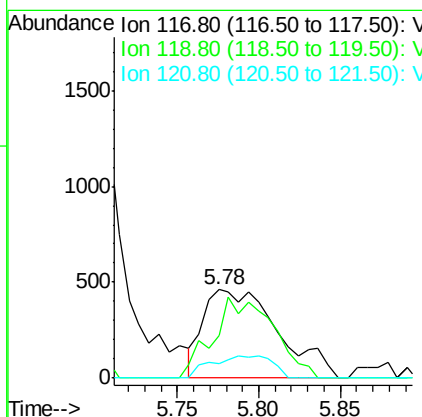
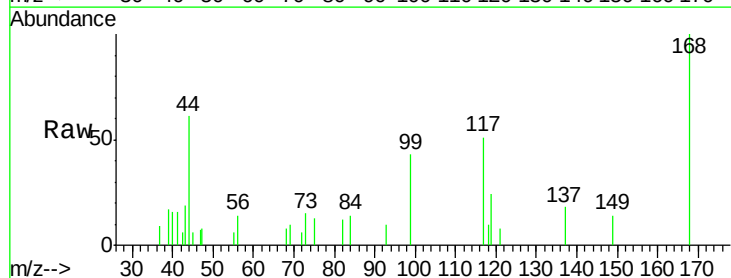
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

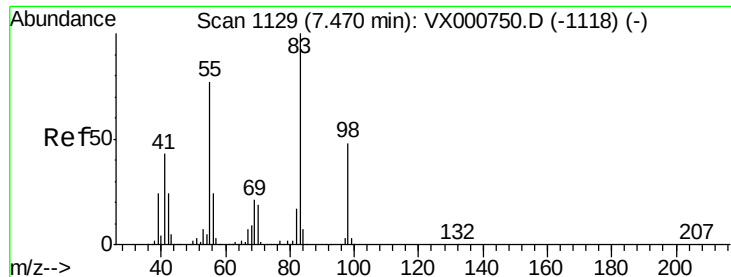
Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
61 12.1 11.0 16.4
70 8.6 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 0.35 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.02 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 117 Resp: 1466
Ion Ratio Lower Upper
117 100
119 48.3 78.4 117.6#
121 16.7 25.4 38.0#

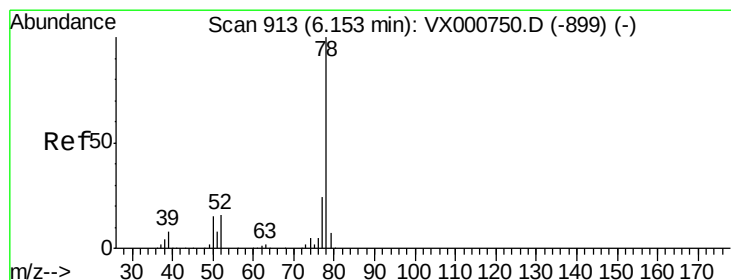
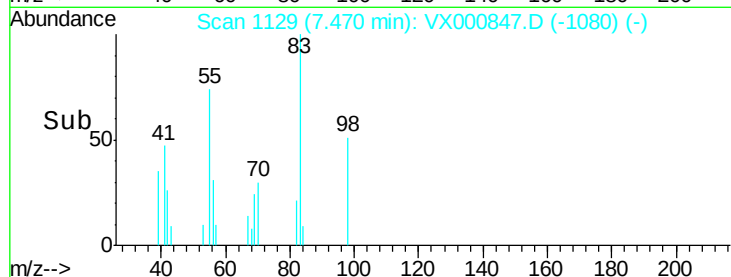
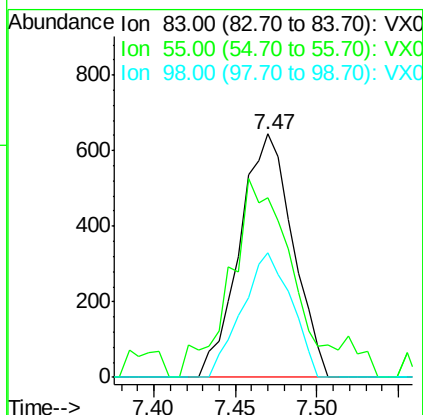
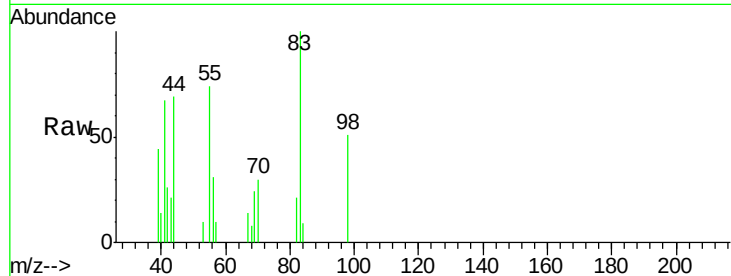




#39
Methylcyclohexane
Concen: 0.32 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

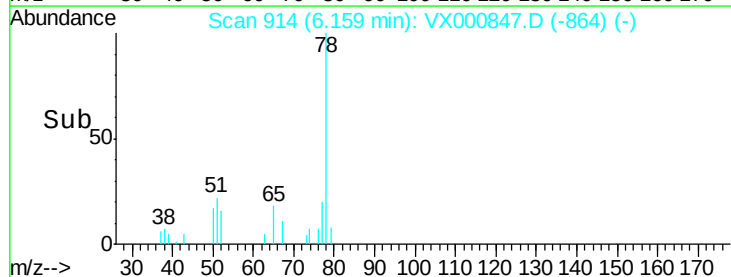
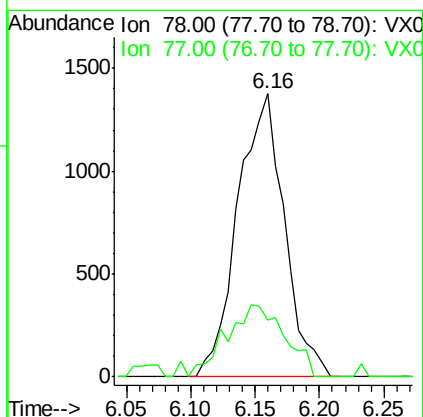
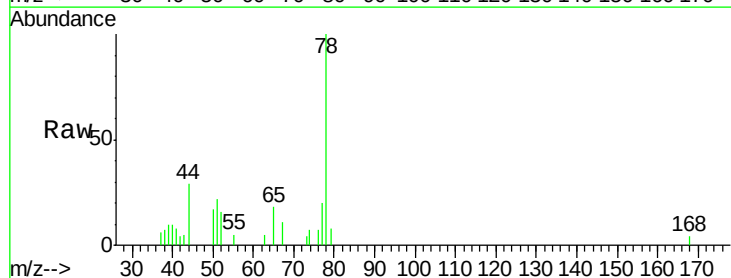
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

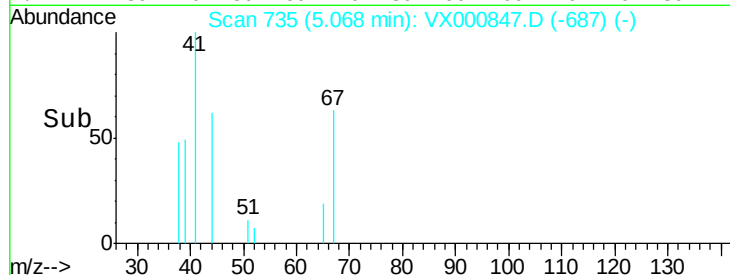
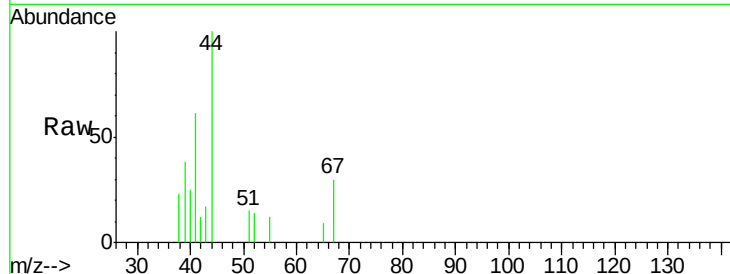
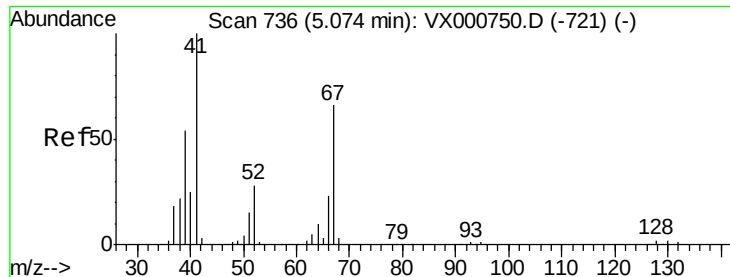
Tgt Ion: 83 Resp: 1456
Ion Ratio Lower Upper
83 100
55 62.4 61.5 92.3
98 51.2 38.1 57.1



#40
Benzene
Concen: 0.33 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 78 Resp: 3449
Ion Ratio Lower Upper
78 100
77 19.9 19.0 28.6

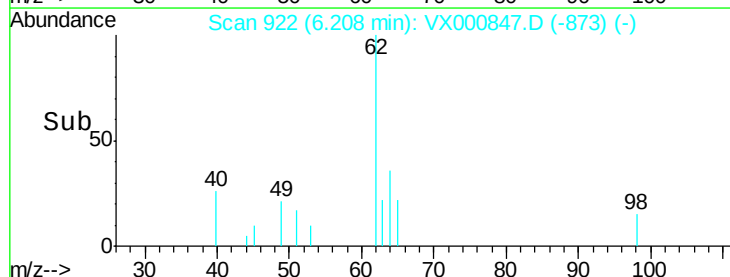
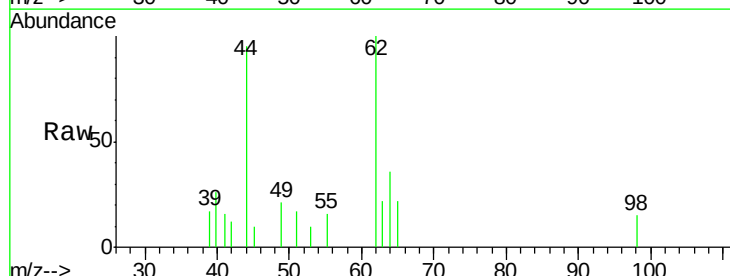
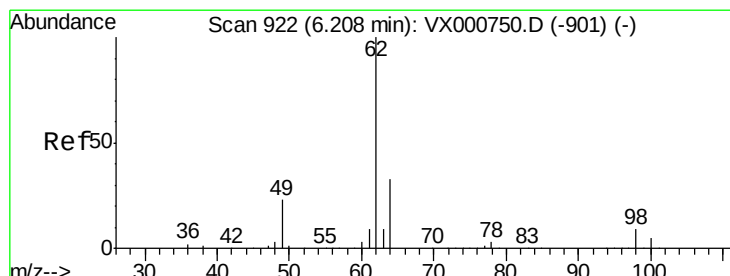
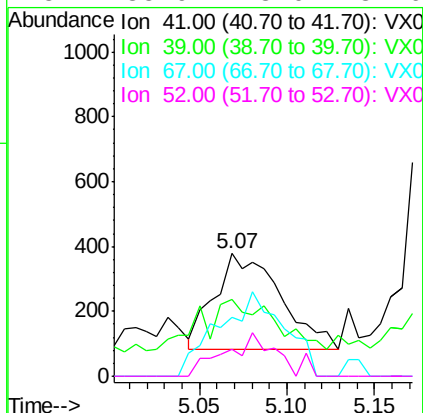




#41
Methacrylonitrile
Concen: 0.36 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

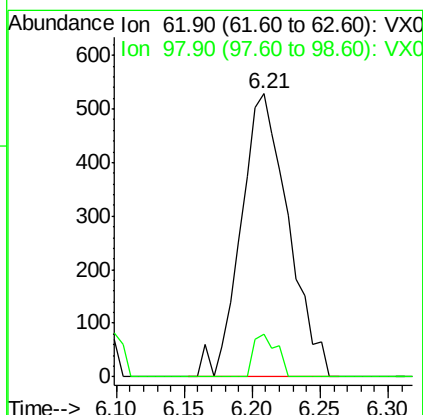
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

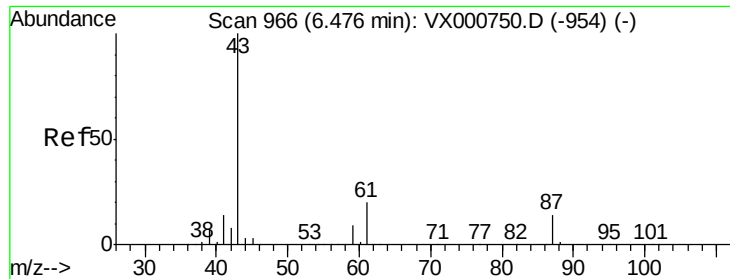
Tgt Ion:	41	Resp:	771
Ion	Ratio	Lower	Upper
41	100		
39	59.9	44.9	67.3
67	88.1	54.7	82.1#
52	35.9	23.0	34.6#



#42
1,2-Dichloroethane
Concen: 0.33 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:	62	Resp:	1286
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 0.29 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

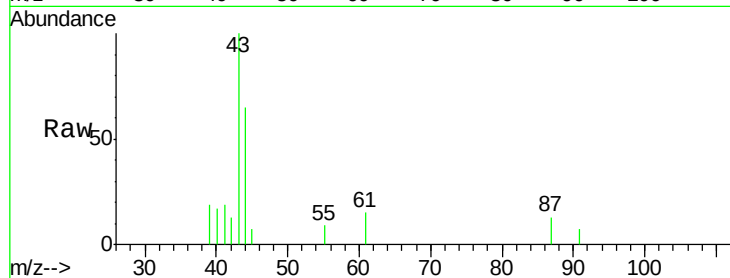
Tgt Ion: 43 Resp: 1846

Ion Ratio Lower Upper

43 100

61 12.5 15.6 23.4#

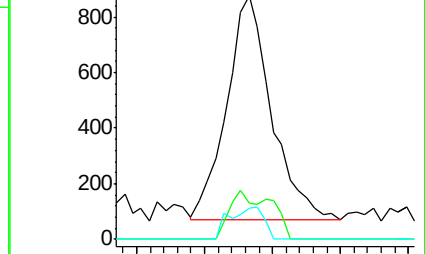
87 11.0 10.7 16.1



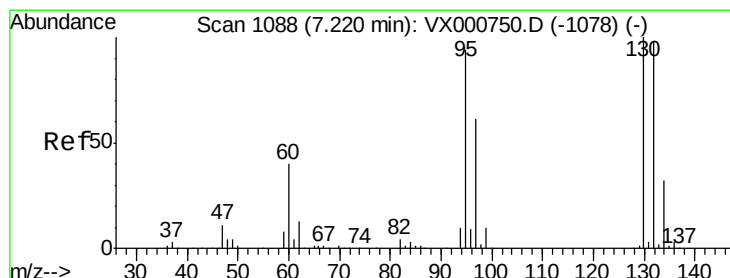
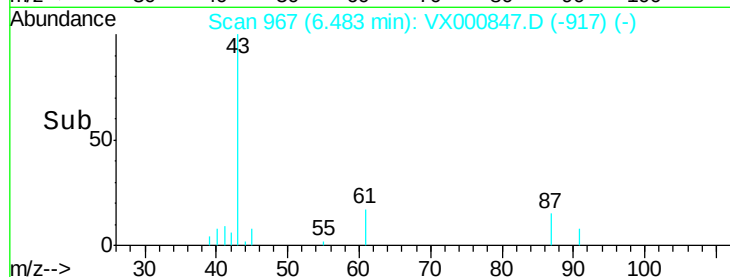
Abundance Ion 43.00 (42.70 to 43.70): VX000847.D (-917) (-)

Ion 61.00 (60.70 to 61.70): VX000847.D (-917) (-)

Ion 87.00 (86.70 to 87.70): VX000847.D (-917) (-)



Time-->



#44

Trichloroethene

Concen: 0.32 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX000847.D

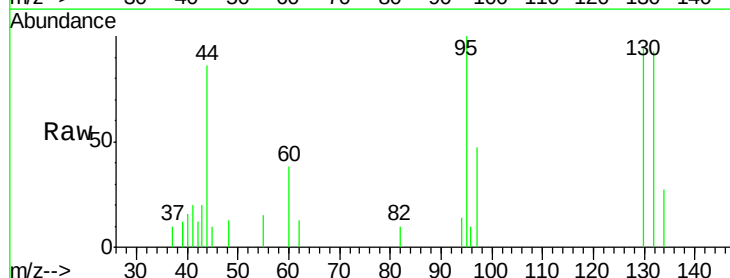
Acq: 13 Apr 2018 14:18

Tgt Ion: 130 Resp: 1045

Ion Ratio Lower Upper

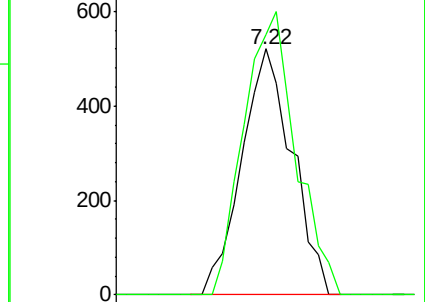
130 100

95 106.2 0.0 187.0

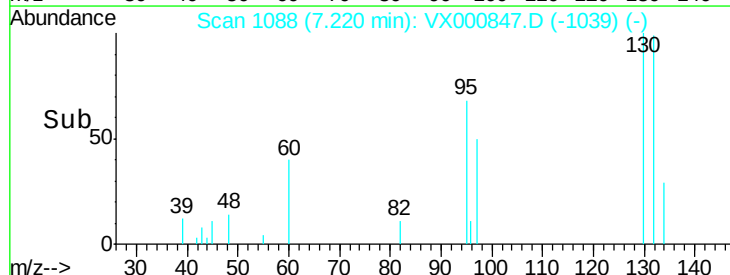


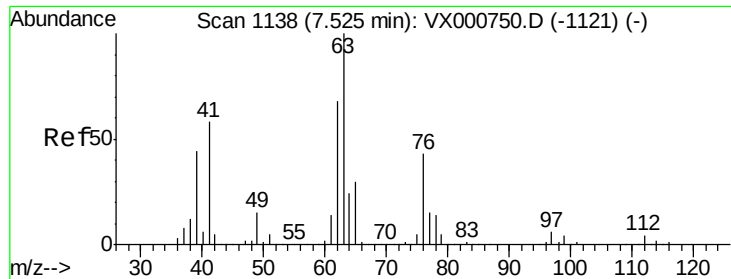
Abundance Ion 129.80 (129.50 to 130.50): VX000847.D (-1039) (-)

Ion 94.90 (94.60 to 95.60): VX000847.D (-1039) (-)



Time-->

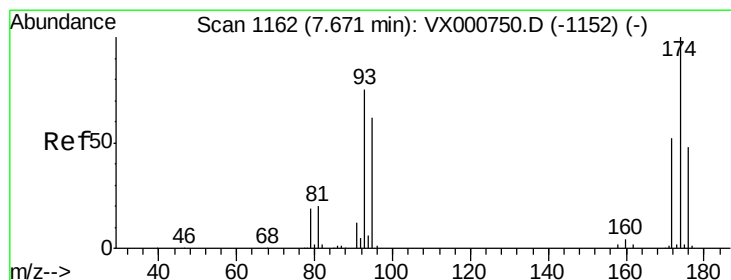
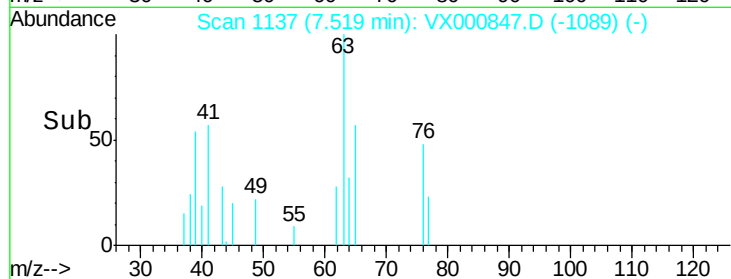
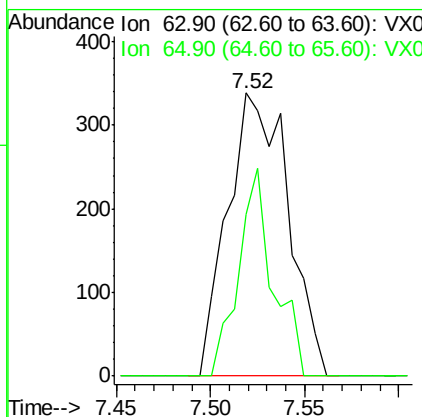
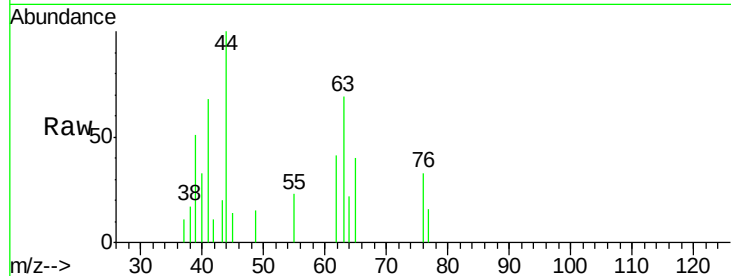




#45
 1,2-Dichloropropane
 Concen: 0.28 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

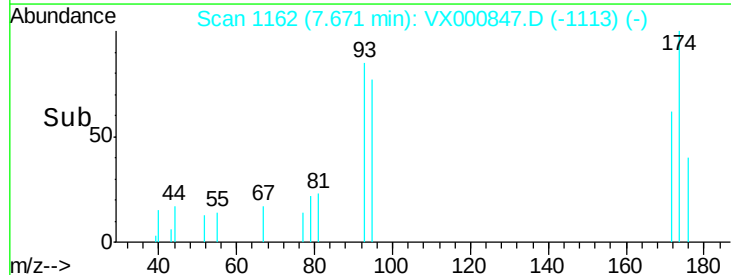
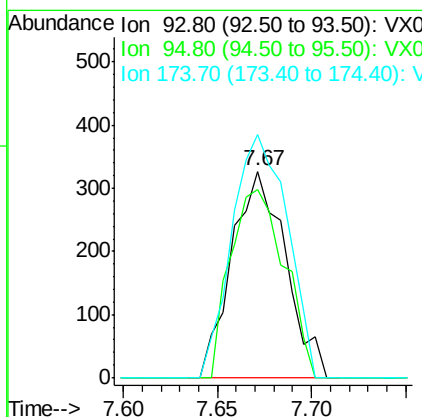
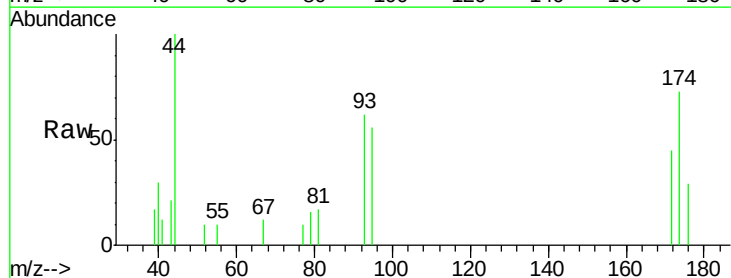
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

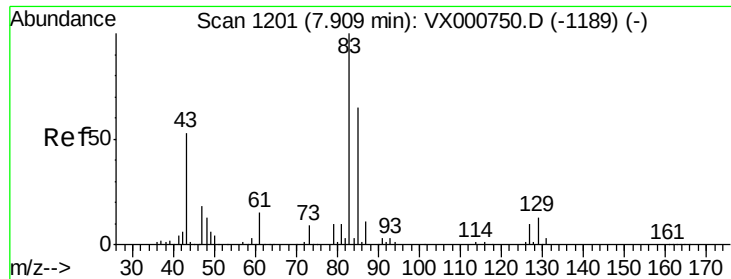
Tgt Ion: 63 Resp: 752
 Ion Ratio Lower Upper
 63 100
 65 57.4 23.7 35.5#



#46
 Dibromomethane
 Concen: 0.35 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion: 93 Resp: 648
 Ion Ratio Lower Upper
 93 100
 95 91.5 66.6 100.0
 174 121.3 104.5 156.7





#47

Bromodichloromethane

Concen: 0.30 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

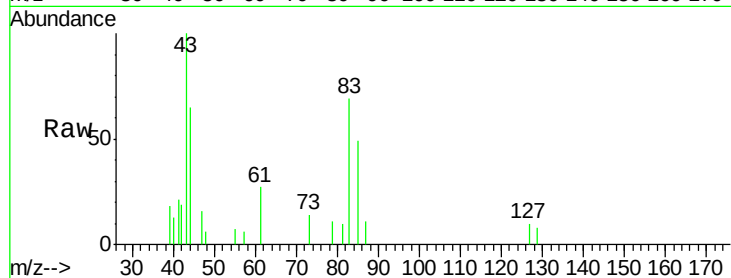
Tgt Ion: 83 Resp: 1120

Ion Ratio Lower Upper

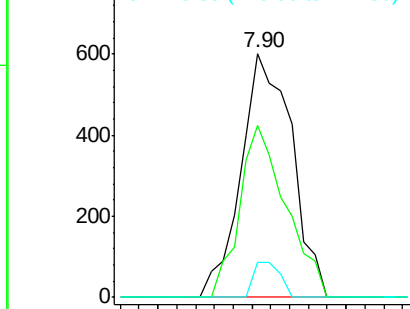
83 100

85 70.4 52.2 78.4

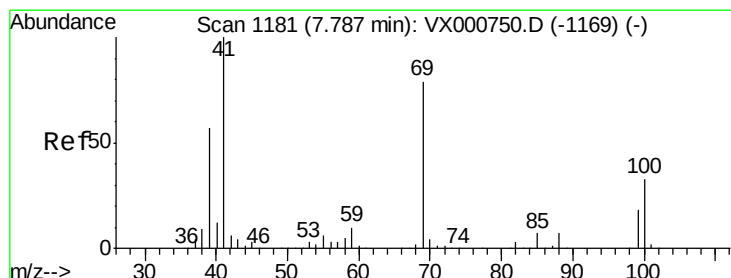
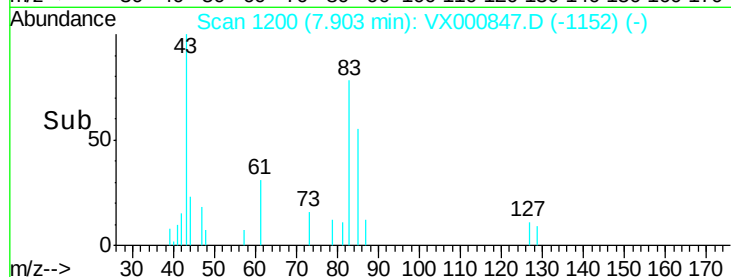
127 14.3 7.8 11.8#



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



Time-->



#48

Methyl methacrylate

Concen: 0.42 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

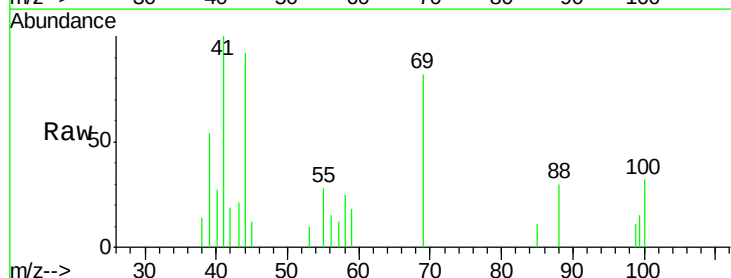
Tgt Ion: 41 Resp: 1382

Ion Ratio Lower Upper

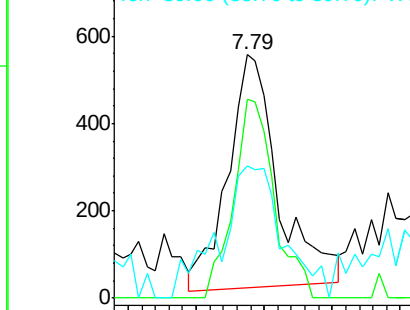
41 100

69 68.9 63.9 95.9

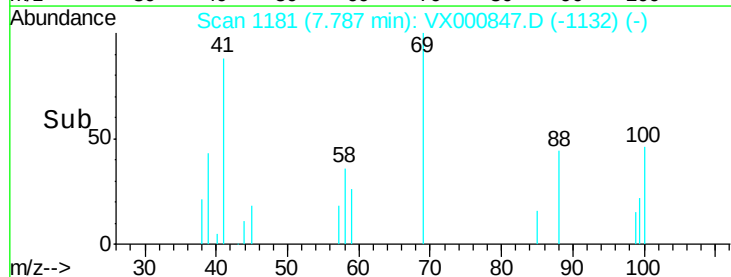
39 71.1 45.9 68.9#

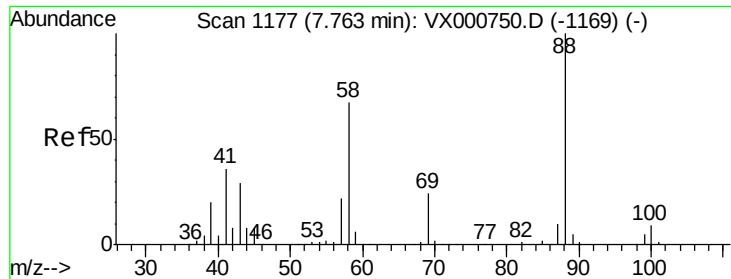


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



Time-->

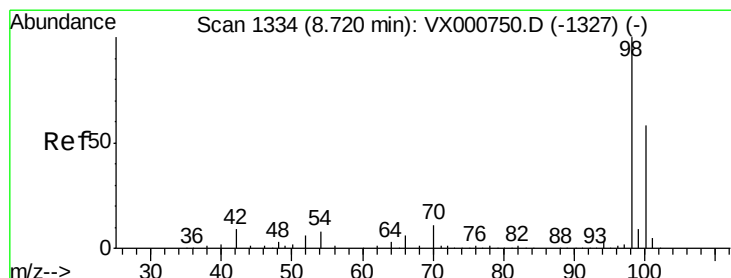
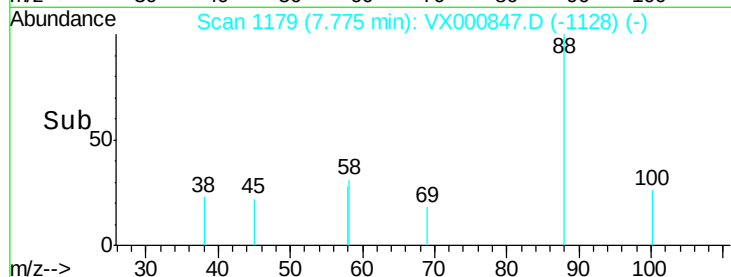
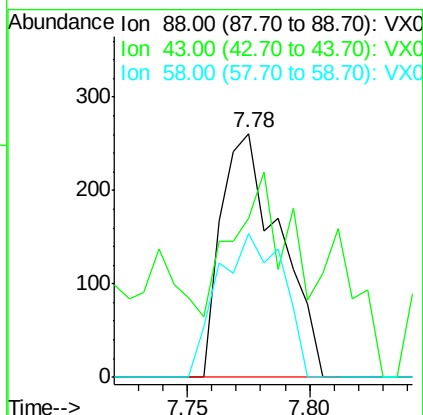
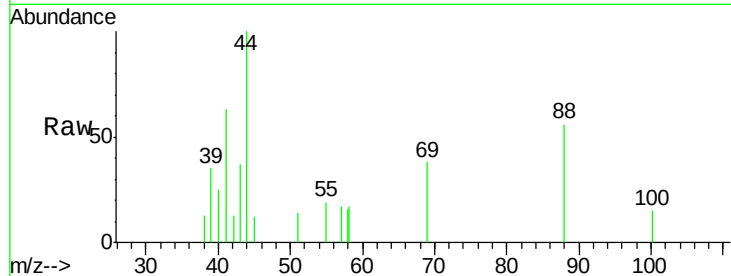




#49
1,4-Dioxane
Concen: 6.65 ug/l
RT: 7.78 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

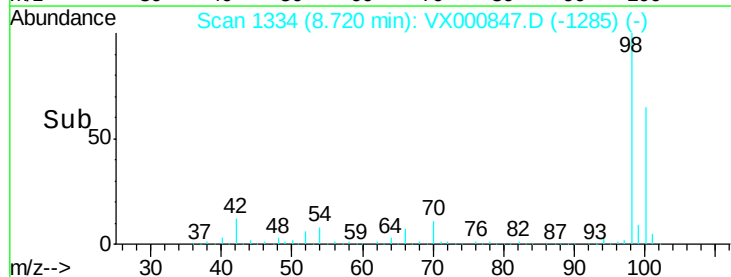
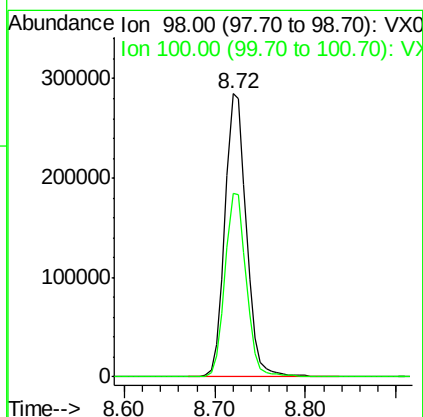
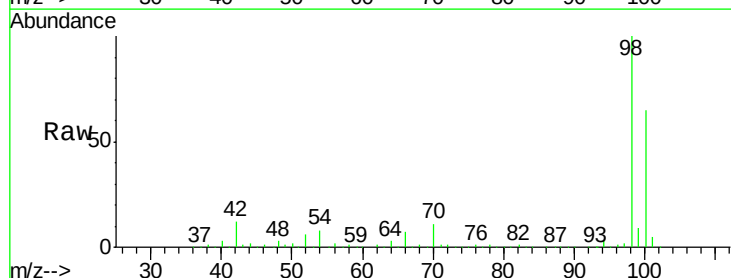
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

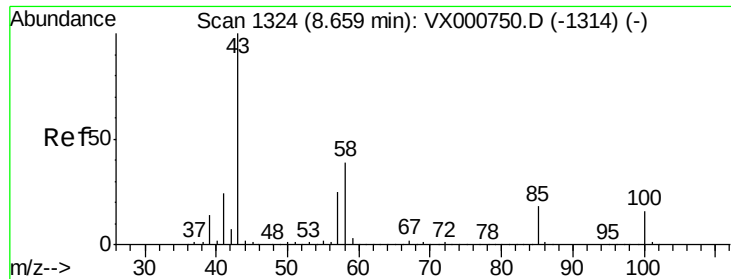
Tgt Ion: 88 Resp: 435
Ion Ratio Lower Upper
88 100
43 54.9 25.8 38.8#
58 65.5 54.4 81.6



#50
Toluene-d8
Concen: 48.15 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 98 Resp: 470415
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.57 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

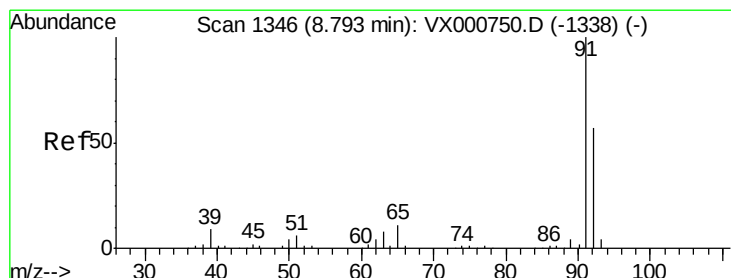
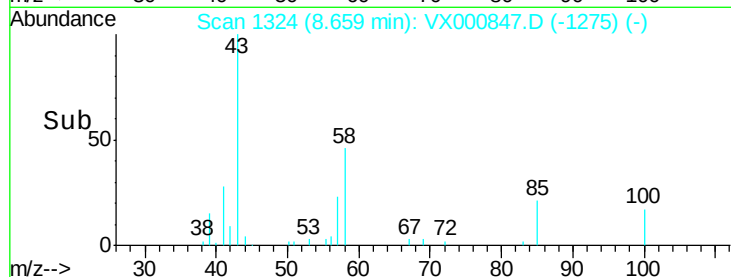
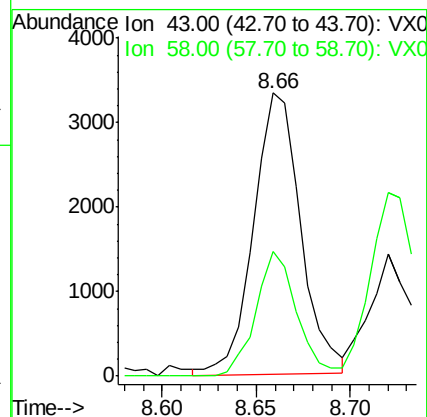
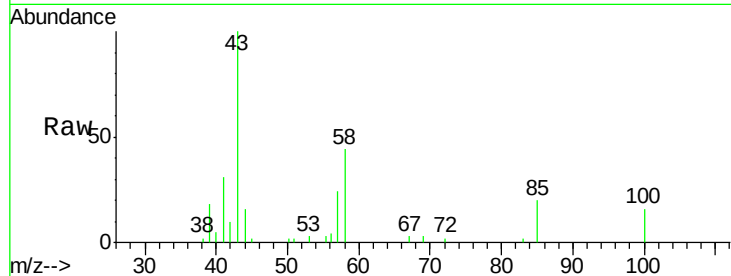
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 5795

Ion Ratio Lower Upper

43 100

58 38.6 30.3 45.5



#52

Toluene

Concen: 0.31 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000847.D

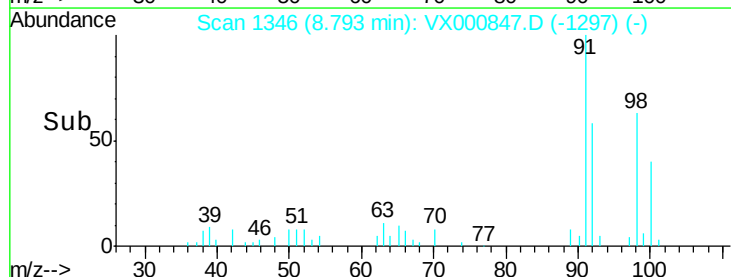
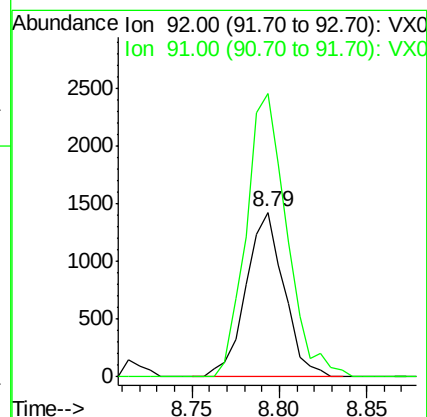
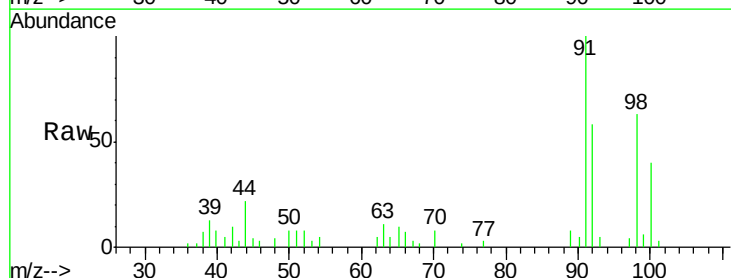
Acq: 13 Apr 2018 14:18

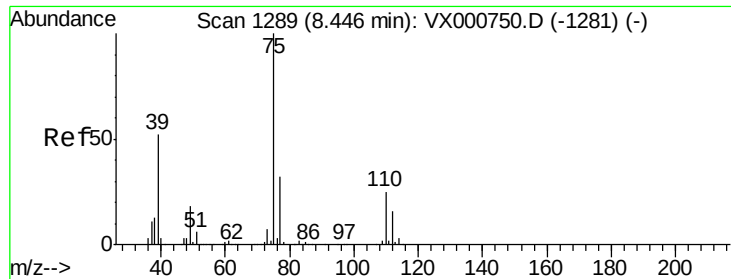
Tgt Ion: 92 Resp: 2159

Ion Ratio Lower Upper

92 100

91 183.5 139.0 208.4

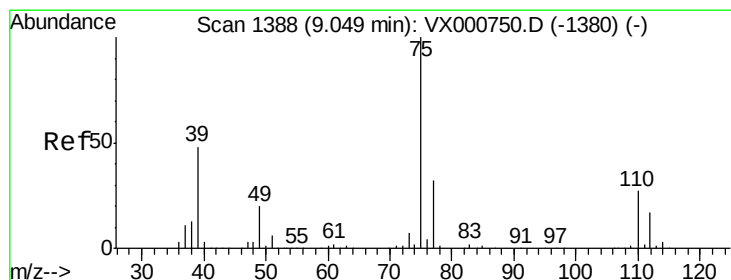
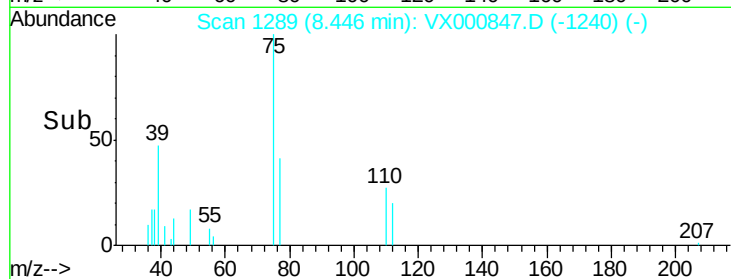
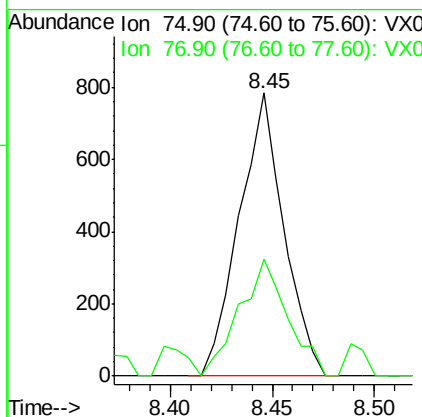
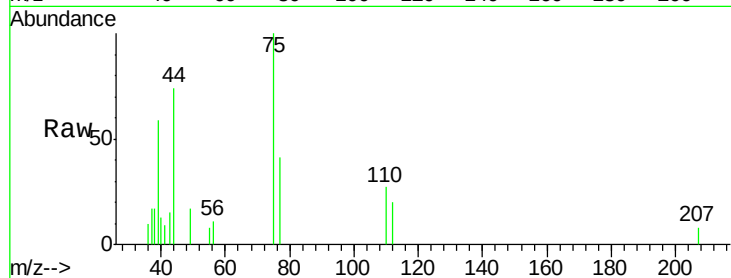




#53
t-1,3-Dichloropropene
Concen: 0.27 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

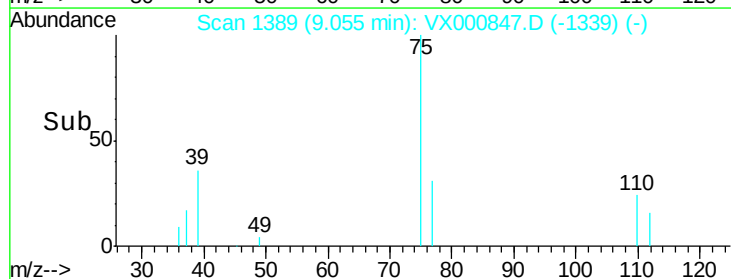
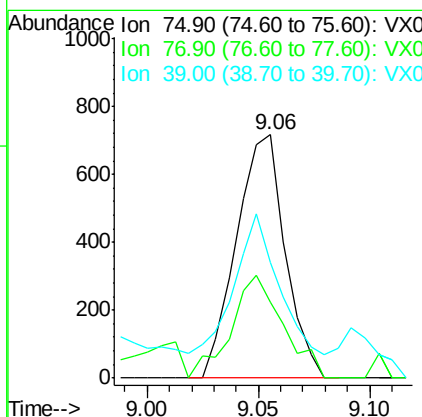
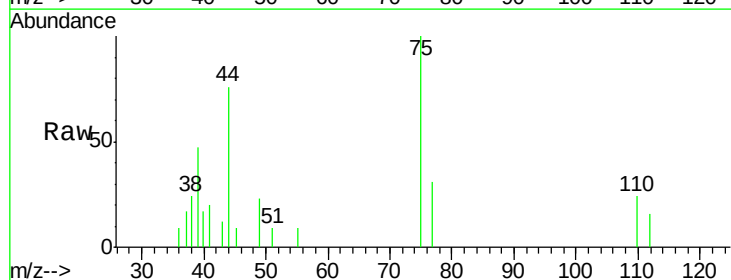
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

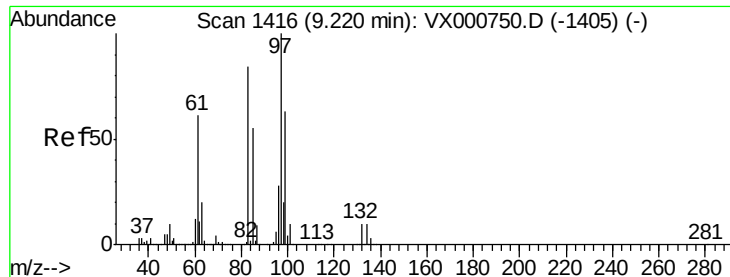
Tgt Ion: 75 Resp: 1193
Ion Ratio Lower Upper
75 100
77 41.5 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 0.25 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 75 Resp: 1094
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2
39 37.4 38.6 58.0#





#55

1,1,2-Trichloroethane

Concen: 0.32 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion: 97 Resp: 868

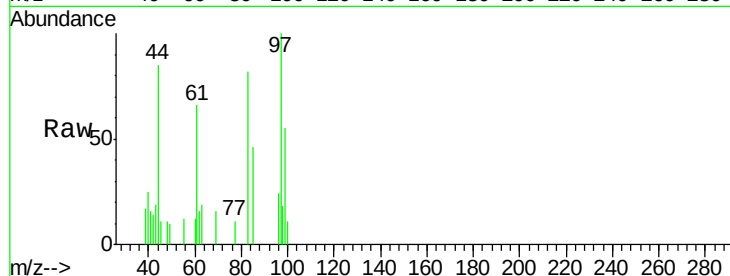
Ion Ratio Lower Upper

97 100

83 82.3 67.6 101.4

85 46.1 43.8 65.6

99 54.8 50.2 75.4

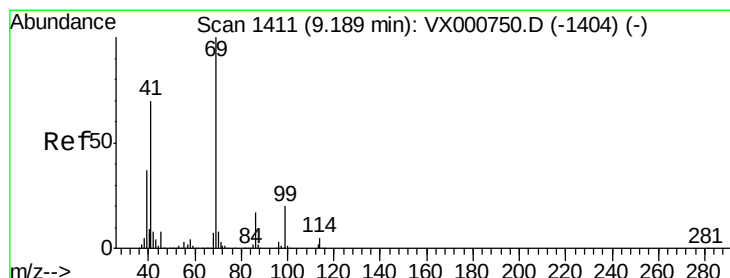
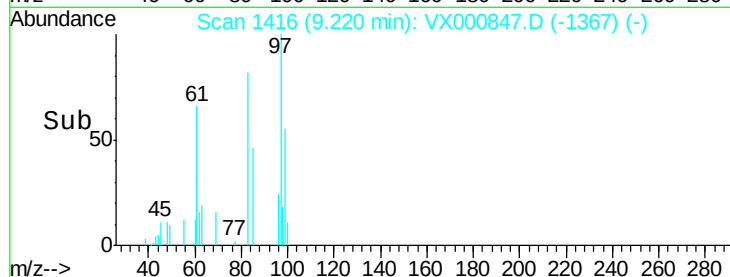
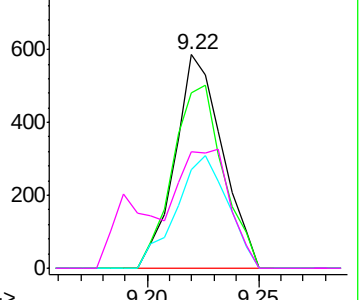


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 0.30 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

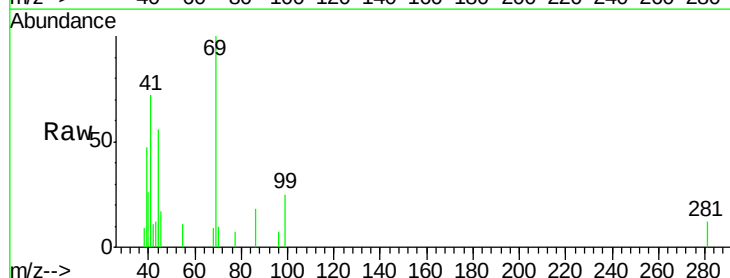
Tgt Ion: 69 Resp: 1279

Ion Ratio Lower Upper

69 100

41 66.5 55.6 83.4

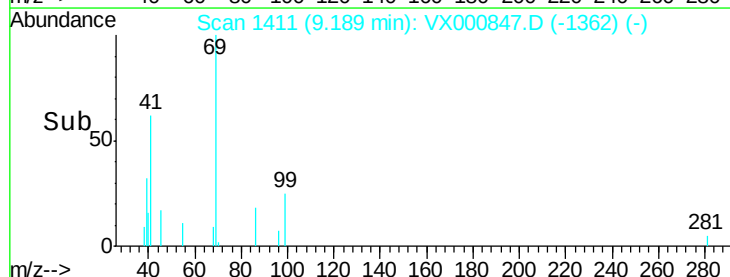
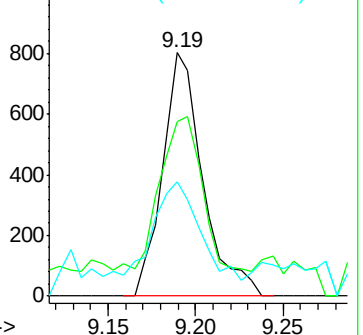
39 61.2 30.3 45.5#

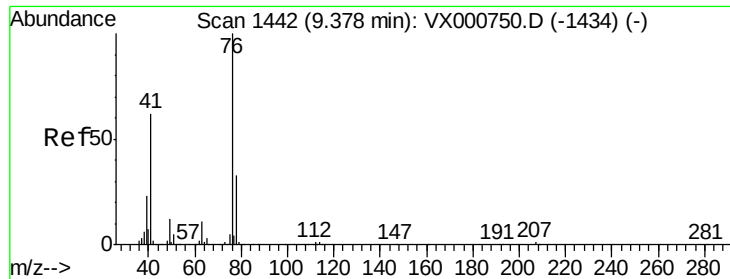


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 0.32 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

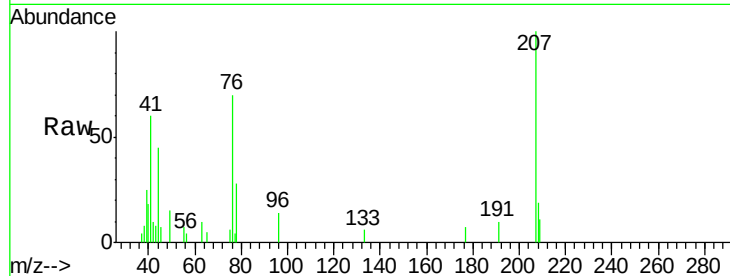
MDL-WATER-03-QT2-2018

Tgt Ion: 76 Resp: 1384

Ion Ratio Lower Upper

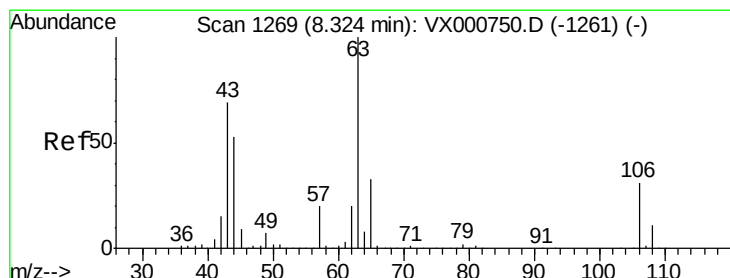
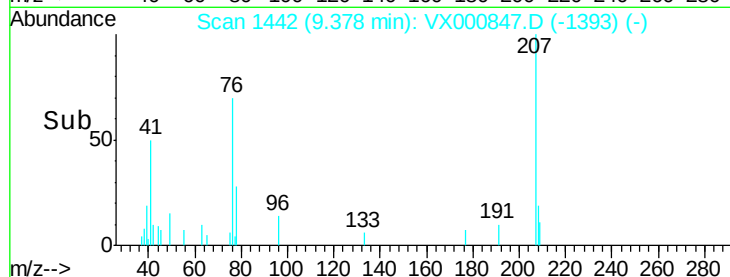
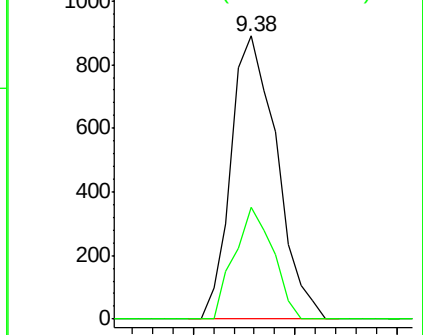
76 100

78 33.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 1.94 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000847.D

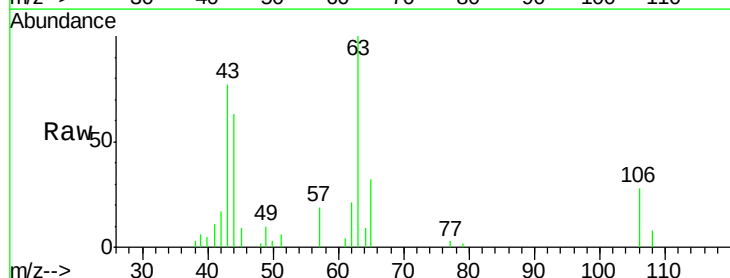
Acq: 13 Apr 2018 14:18

Tgt Ion: 63 Resp: 3848

Ion Ratio Lower Upper

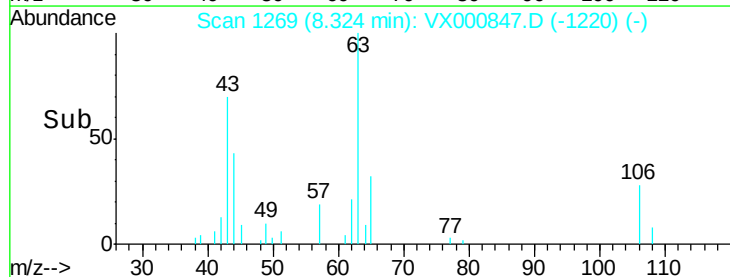
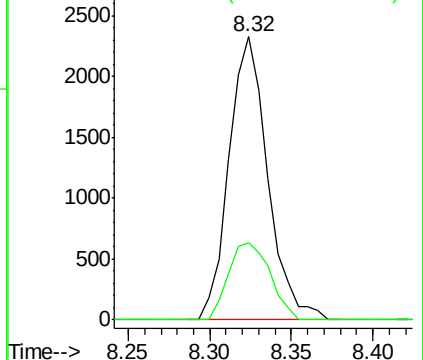
63 100

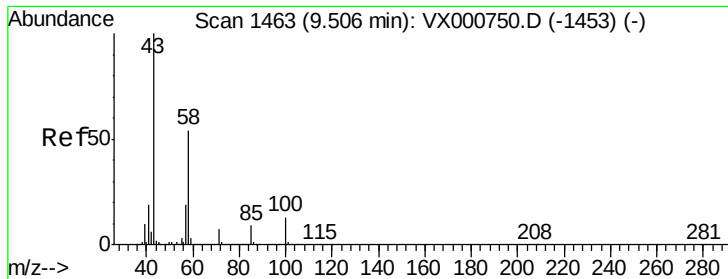
106 29.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

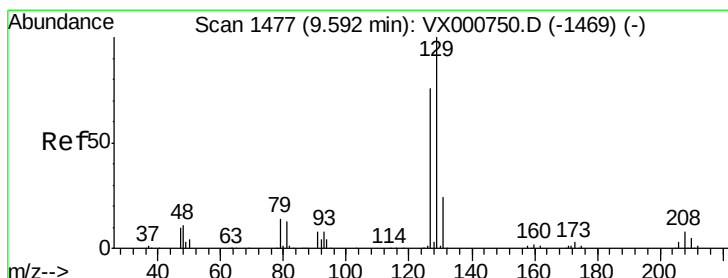
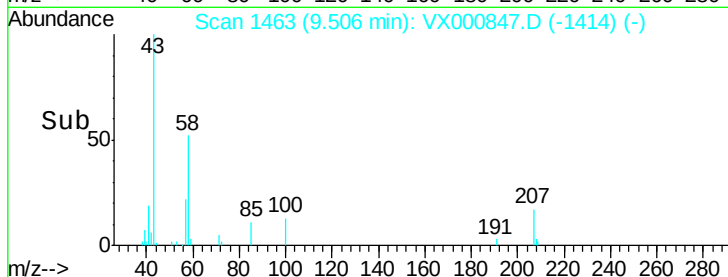
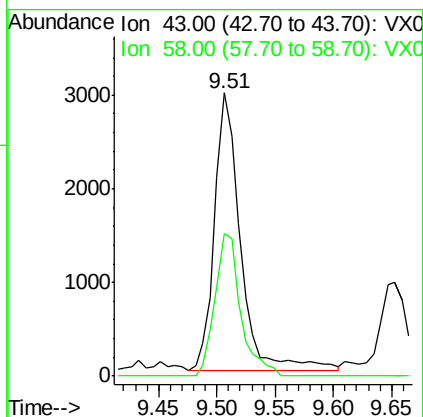
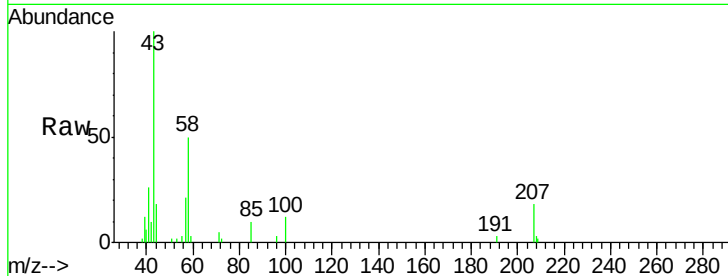




#59
2-Hexanone
Concen: 1.59 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

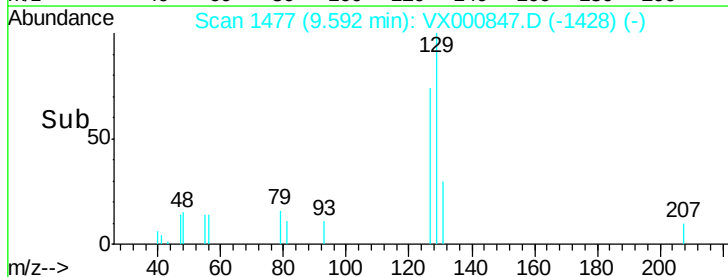
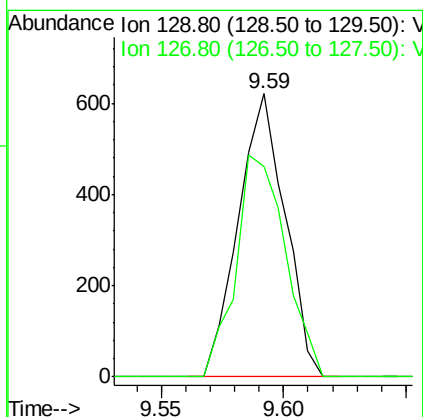
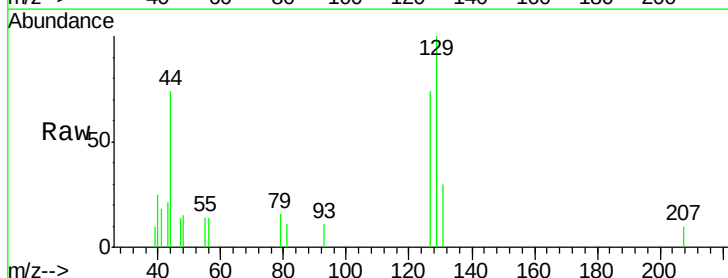
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

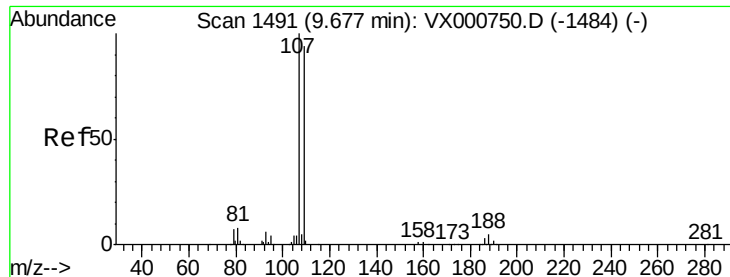
Tgt Ion: 43 Resp: 4540
Ion Ratio Lower Upper
43 100
58 50.8 26.5 79.5



#60
Dibromochloromethane
Concen: 0.25 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 129 Resp: 825
Ion Ratio Lower Upper
129 100
127 83.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 0.31 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

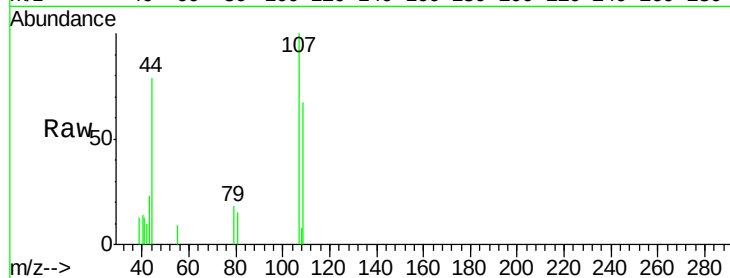
MDL-WATER-03-QT2-2018

Tgt Ion: 107 Resp: 895

Ion Ratio Lower Upper

107 100

109 98.5 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

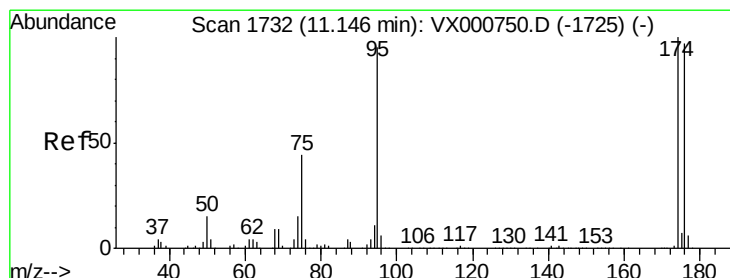
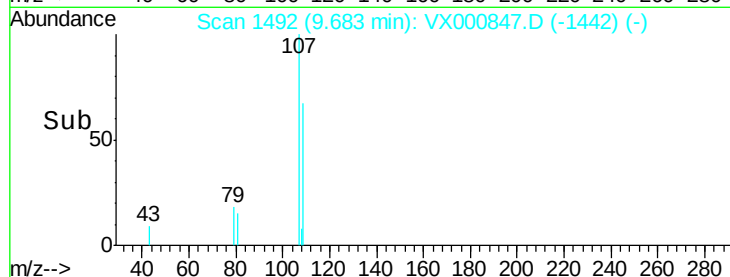
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

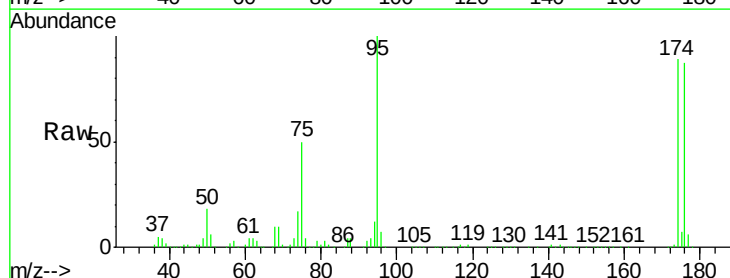
Tgt Ion: 95 Resp: 188089

Ion Ratio Lower Upper

95 100

174 97.0 0.0 198.4

176 95.7 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

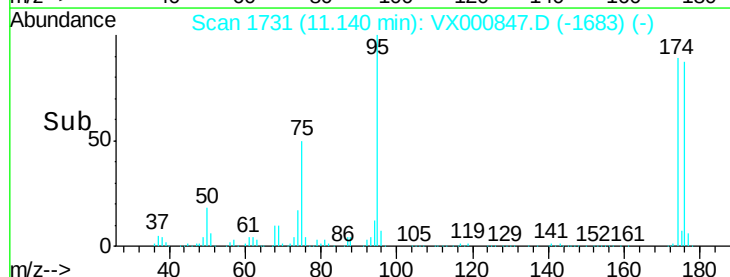
150000

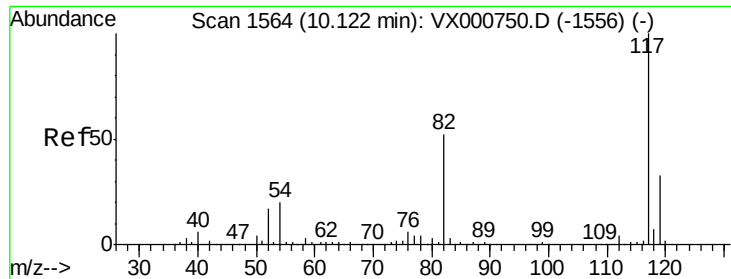
100000

50000

0

Time-->

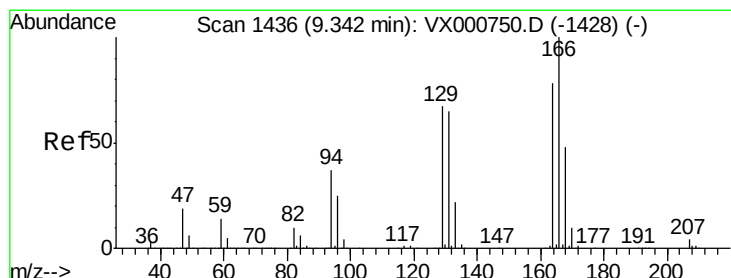
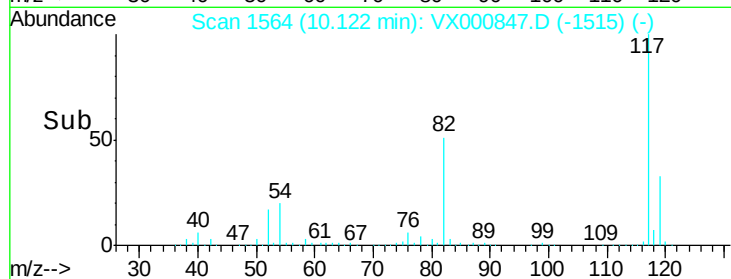
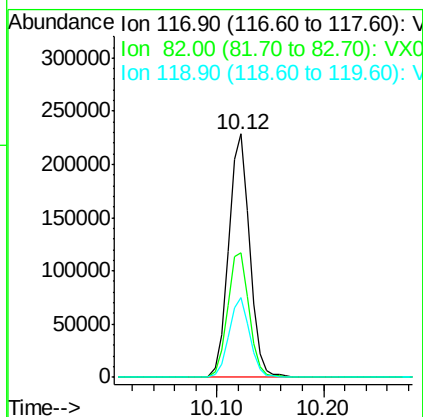
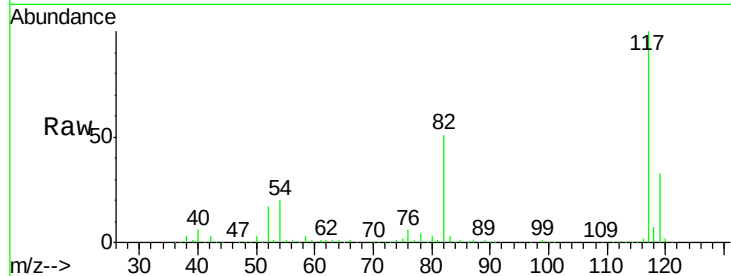




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

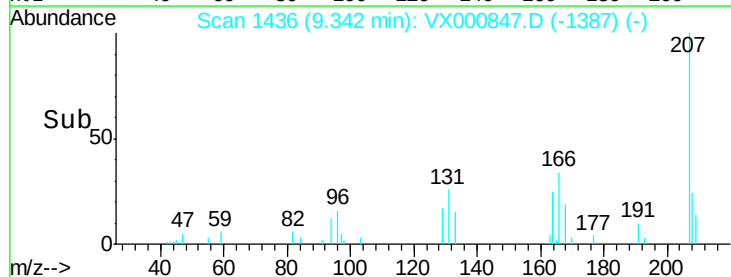
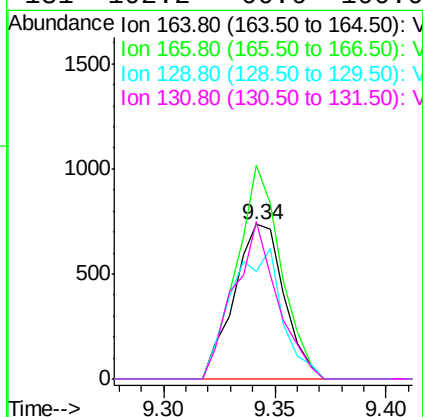
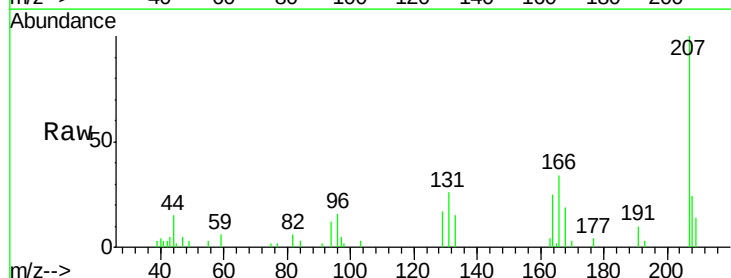
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

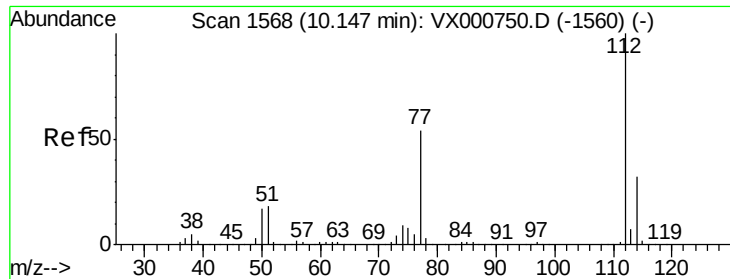
Tgt Ion:117 Resp: 316976
Ion Ratio Lower Upper
117 100
82 51.4 41.9 62.9
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 0.37 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:164 Resp: 1150
Ion Ratio Lower Upper
164 100
166 138.0 102.8 154.2
129 69.4 68.5 102.7
131 102.2 66.6 100.0#

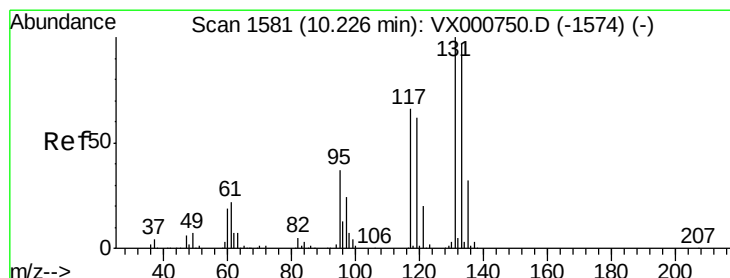
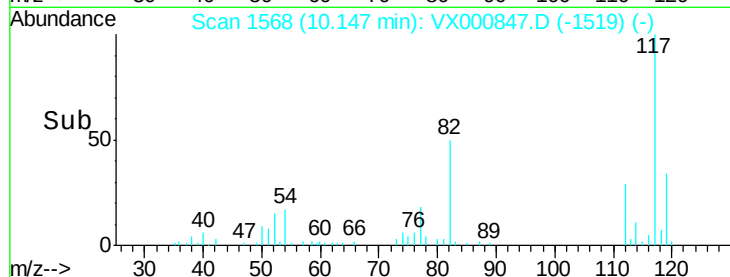
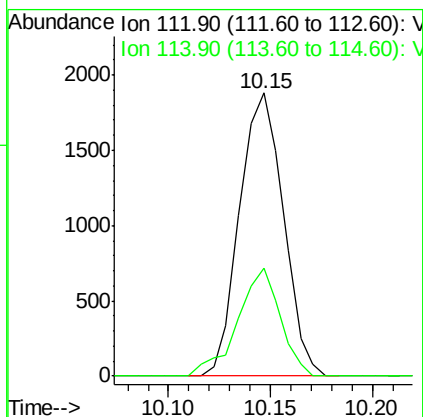
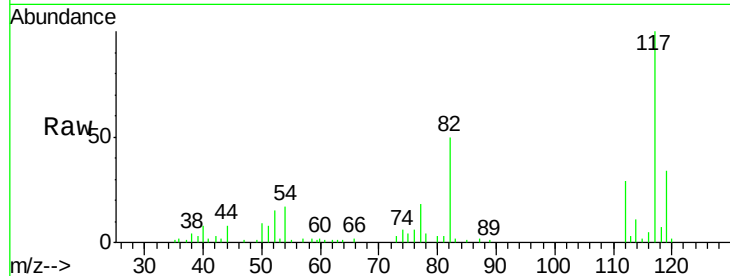




#65
Chlorobenzene
Concen: 0.35 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

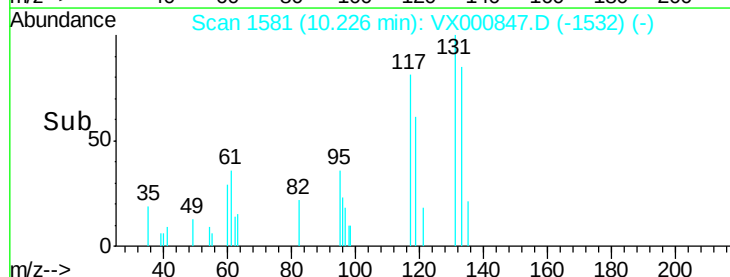
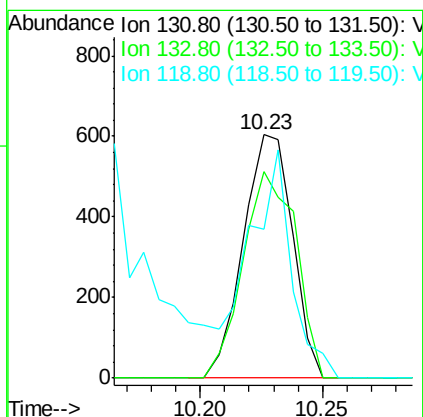
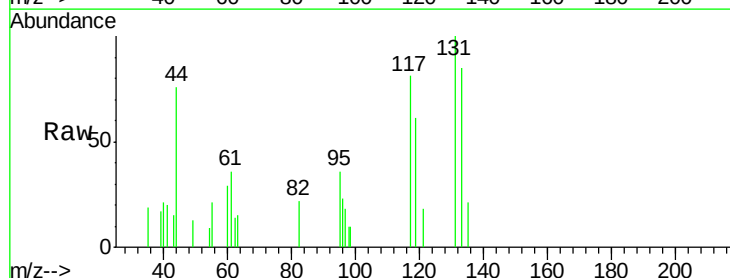
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

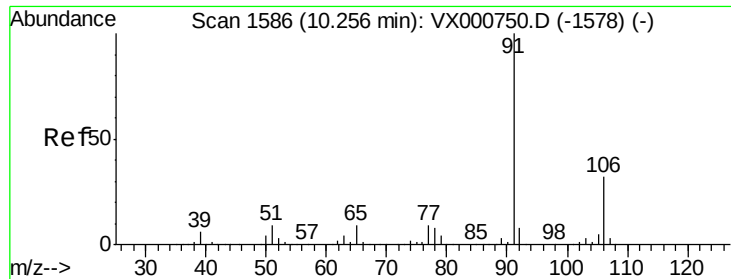
Tgt Ion:112 Resp: 2815
Ion Ratio Lower Upper
112 100
114 38.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:131 Resp: 849
Ion Ratio Lower Upper
131 100
133 91.4 48.3 144.9
119 0.0 31.4 94.0#

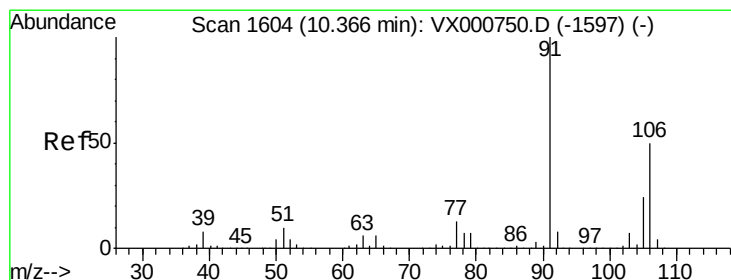
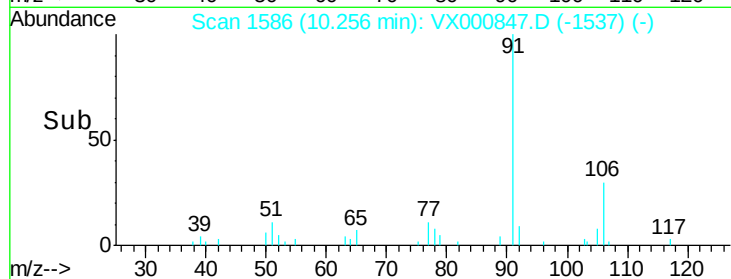
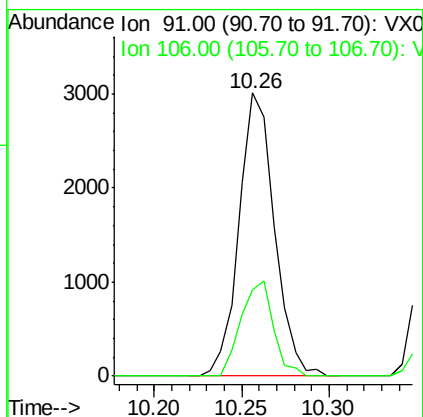
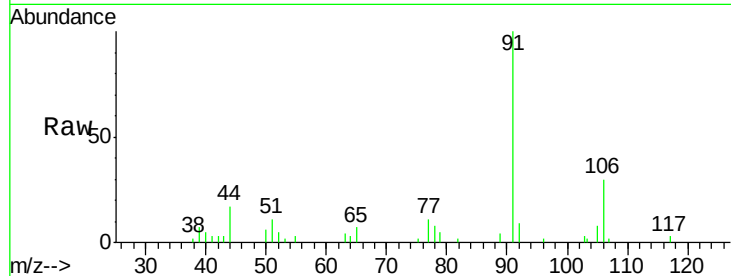




#67
Ethyl Benzene
Concen: 0.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

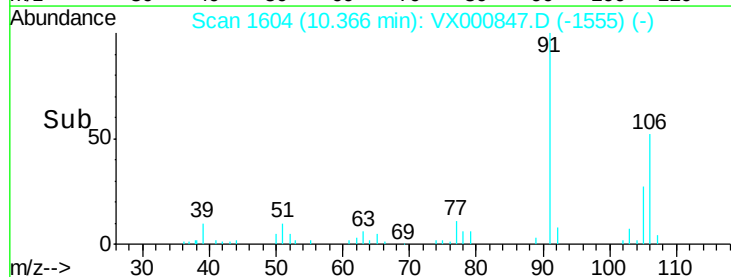
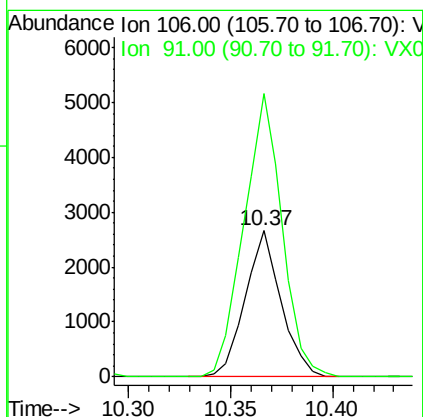
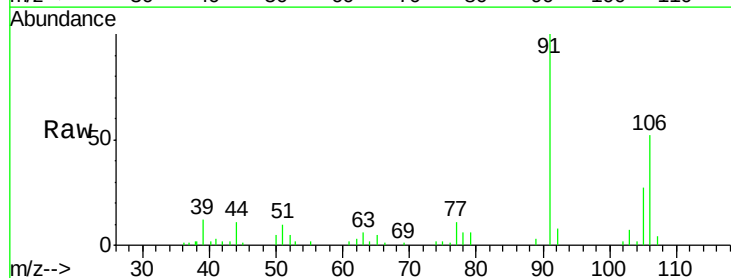
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

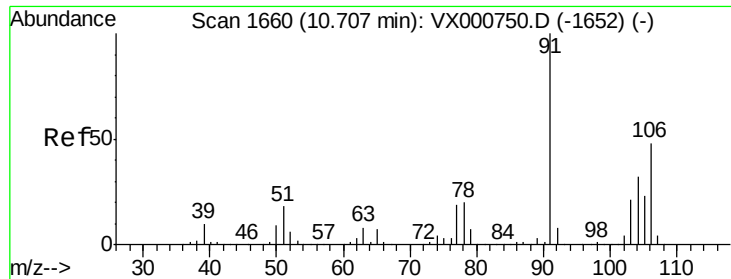
Tgt Ion: 91 Resp: 4238
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0



#68
m/p-Xylenes
Concen: 0.62 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 106 Resp: 3261
Ion Ratio Lower Upper
106 100
91 205.5 159.3 238.9

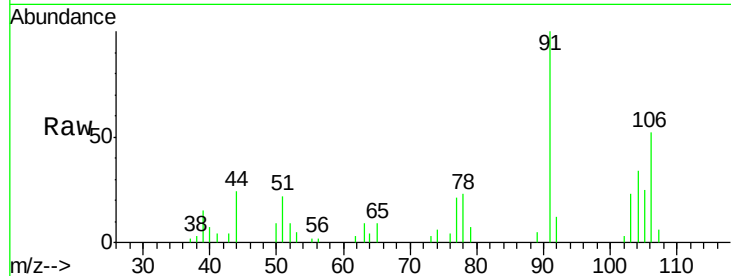




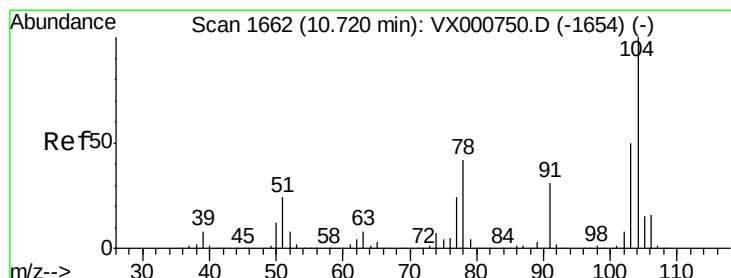
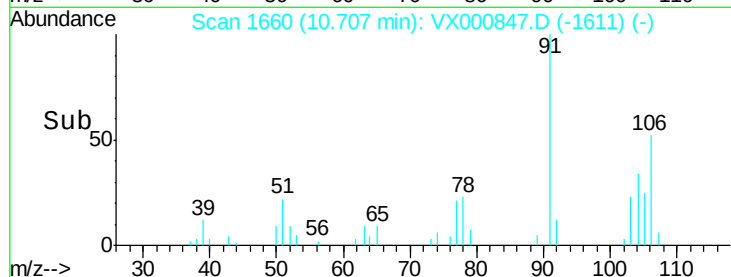
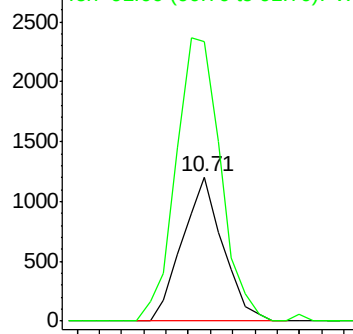
#69
o-Xylene
Concen: 0.30 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

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

Tgt Ion:106 Resp: 1534
Ion Ratio Lower Upper
106 100
91 215.3 105.0 315.0

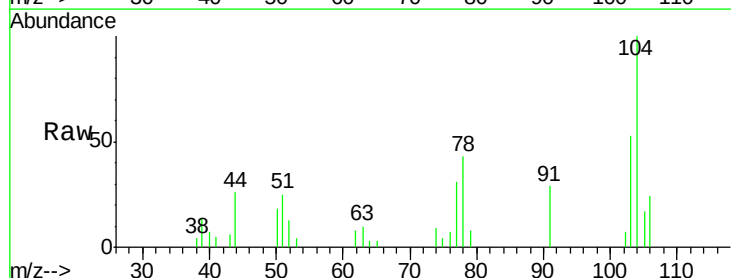


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

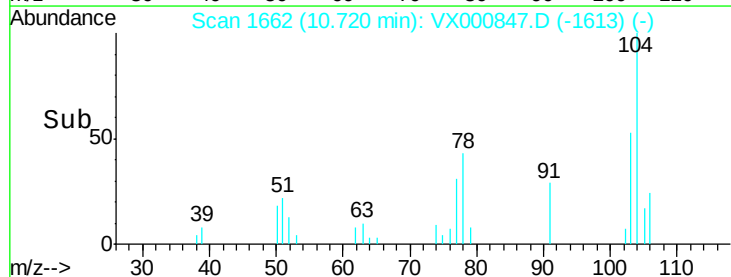
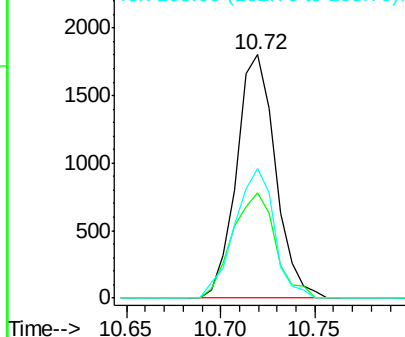


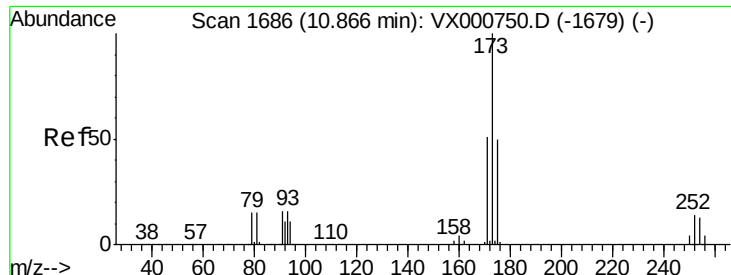
#70
Styrene
Concen: 0.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:104 Resp: 2586
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.6
103 53.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

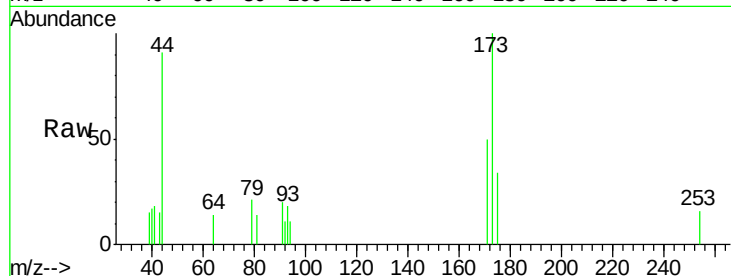




#71
Bromoform
Concen: 0.22 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

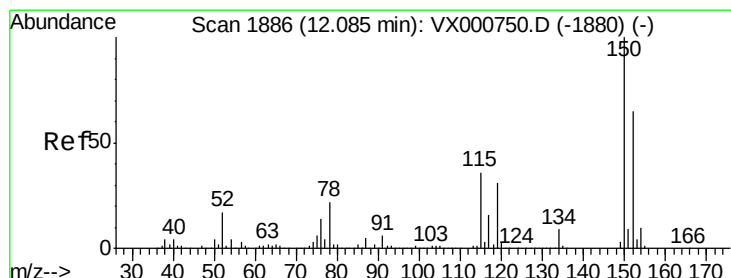
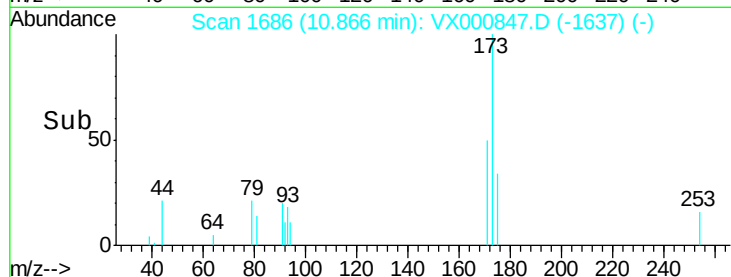
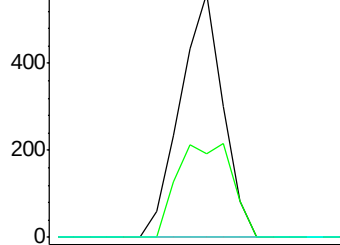
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tgt Ion:173 Resp: 610
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.2 0.2#



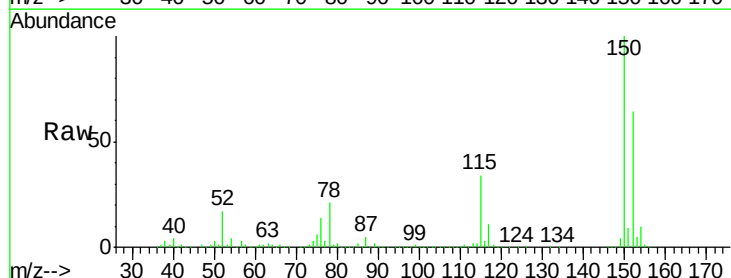
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

10.87

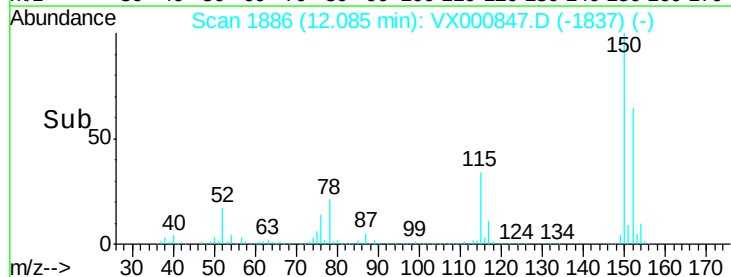
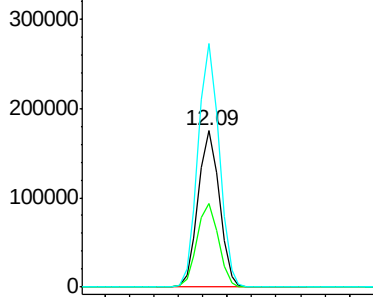


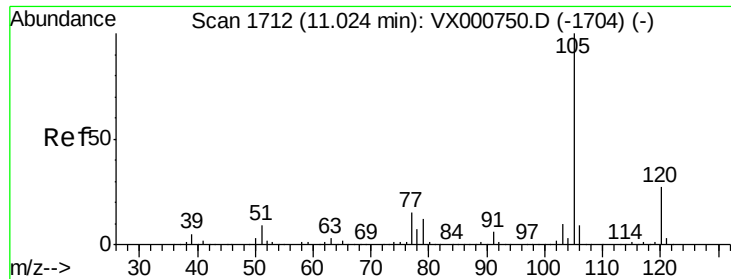
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:152 Resp: 209819
Ion Ratio Lower Upper
152 100
115 53.9 37.9 113.7
150 155.3 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: 0.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

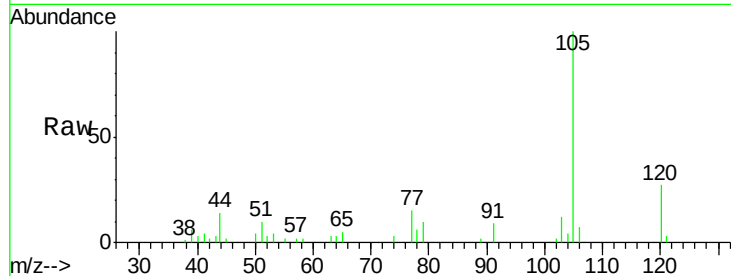
MDL-WATER-03-QT2-2018

Tgt Ion: 105 Resp: 4343

Ion Ratio Lower Upper

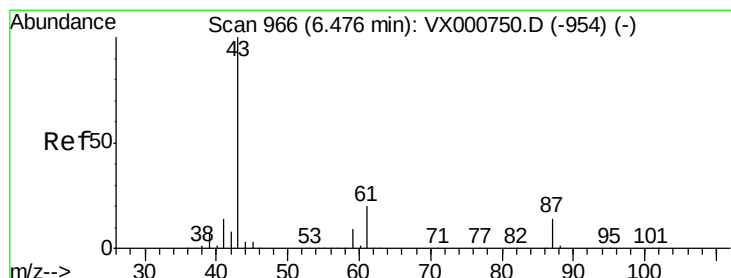
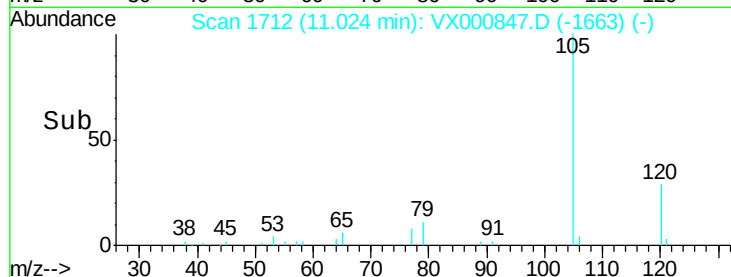
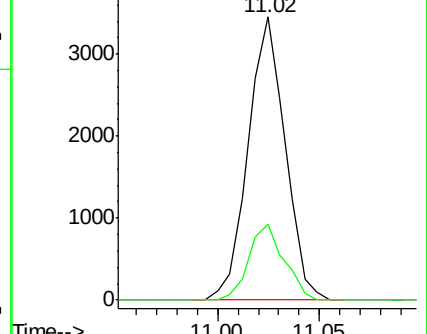
105 100

120 25.4 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-ethyl acetate

Concen: 0.31 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Tgt Ion: 43 Resp: 1846

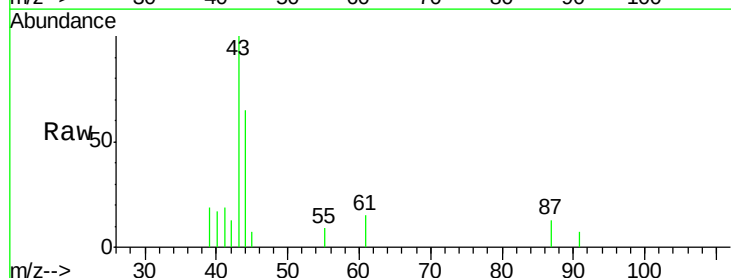
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.9 0.0 0.0#

61 12.5 15.6 23.4#

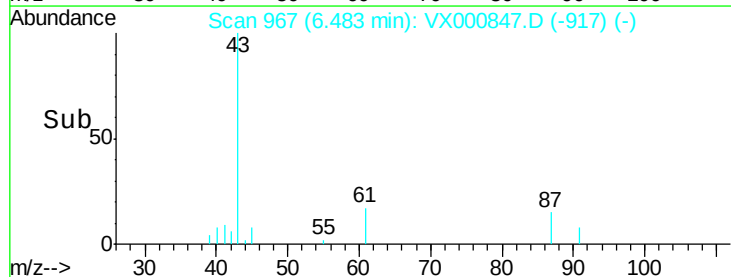
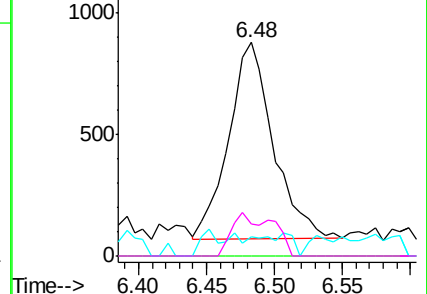


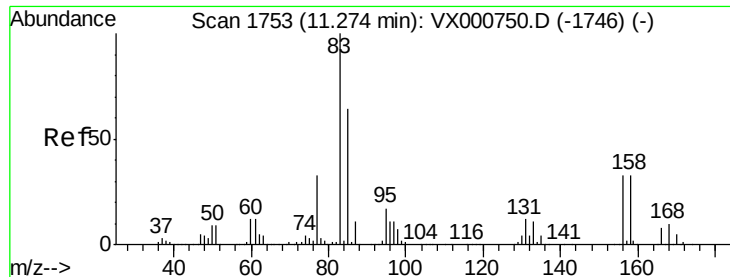
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.31 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

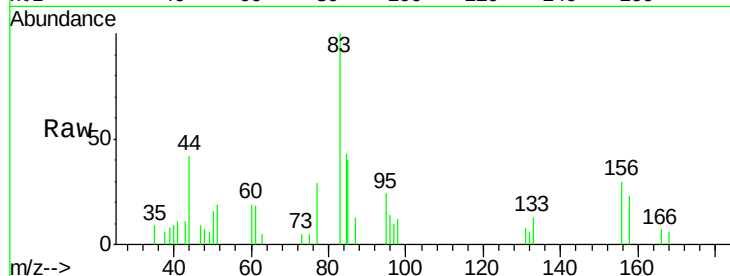
Tgt Ion: 83 Resp: 1203

Ion Ratio Lower Upper

83 100

131 10.6 6.0 18.0

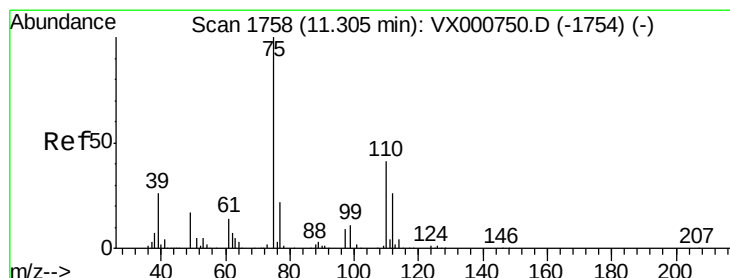
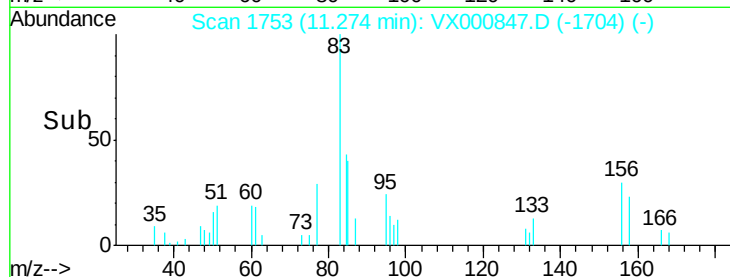
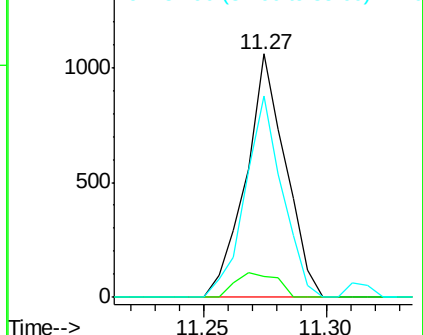
85 77.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000847.D

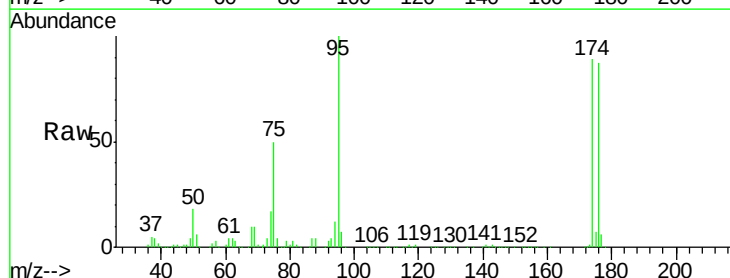
Acq: 13 Apr 2018 14:18

Tgt Ion: 75 Resp: 92575

Ion Ratio Lower Upper

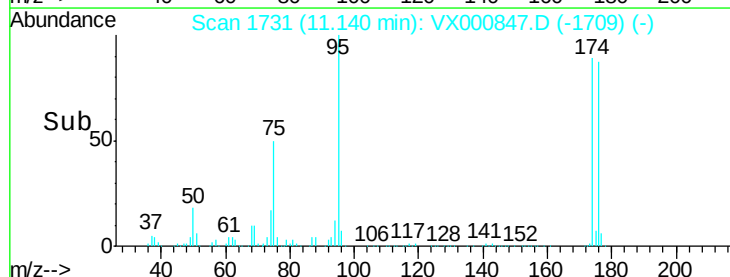
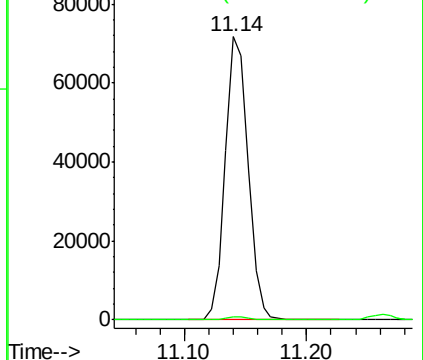
75 100

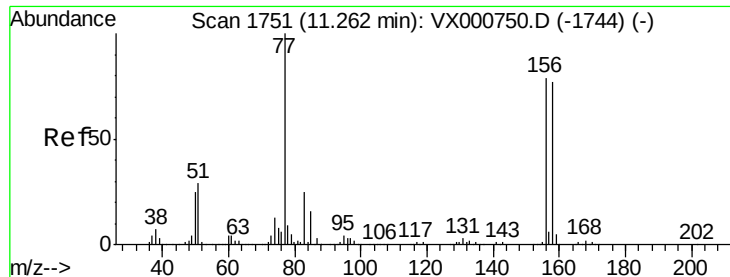
77 1.1 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.30 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

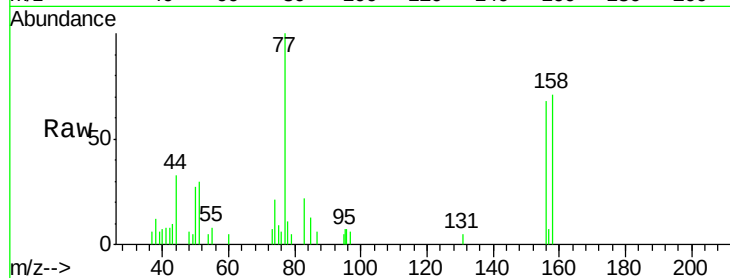
Tgt Ion:156 Resp: 1187

Ion Ratio Lower Upper

156 100

77 157.0 66.0 198.2

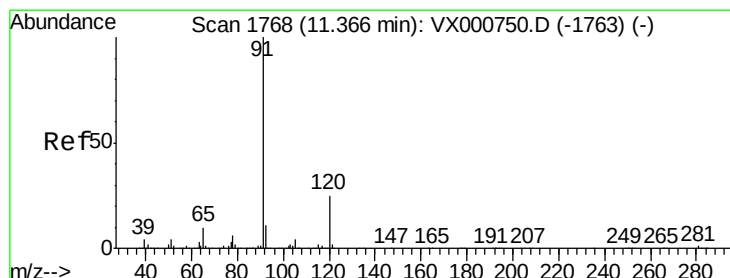
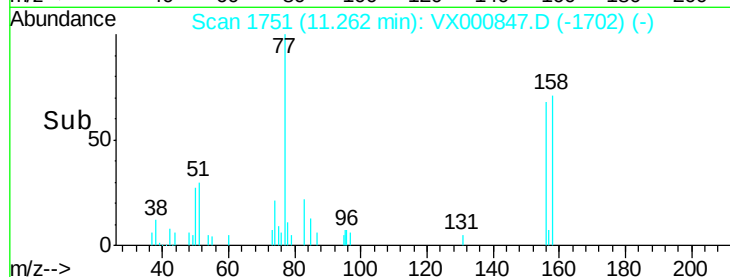
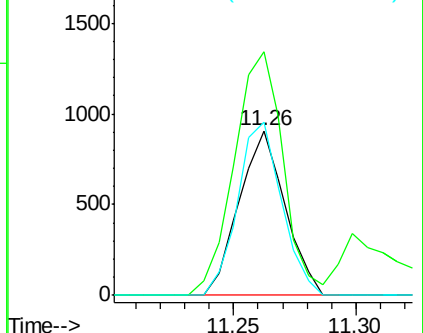
158 100.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.33 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000847.D

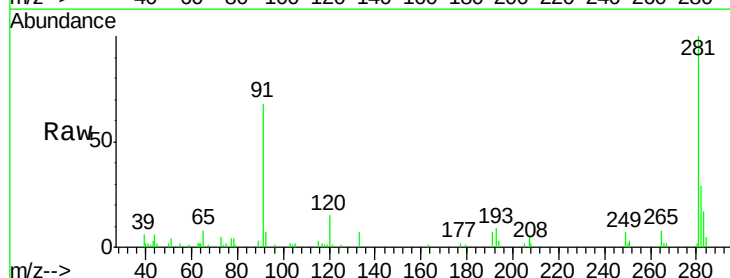
Acq: 13 Apr 2018 14:18

Tgt Ion: 91 Resp: 5037

Ion Ratio Lower Upper

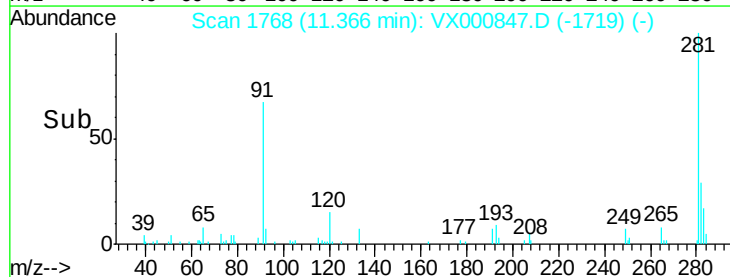
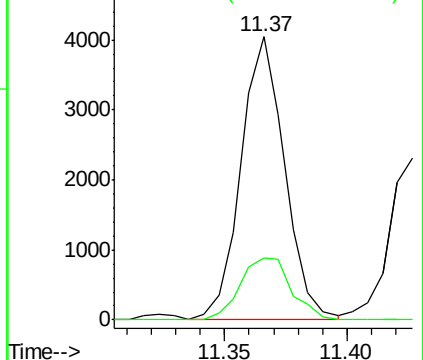
91 100

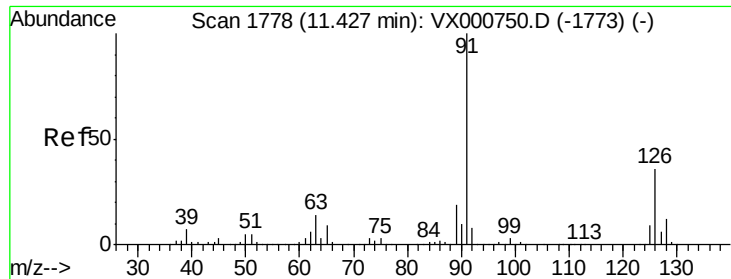
120 25.6 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

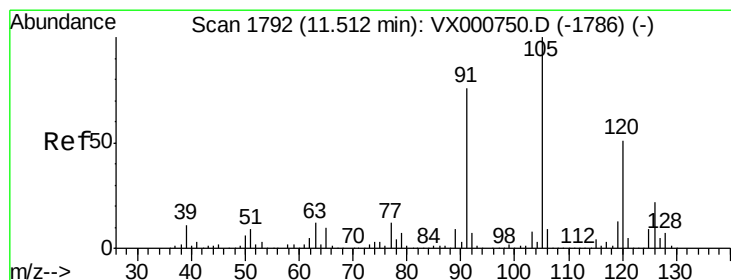
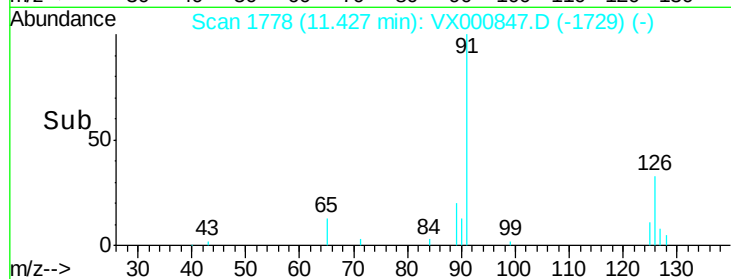
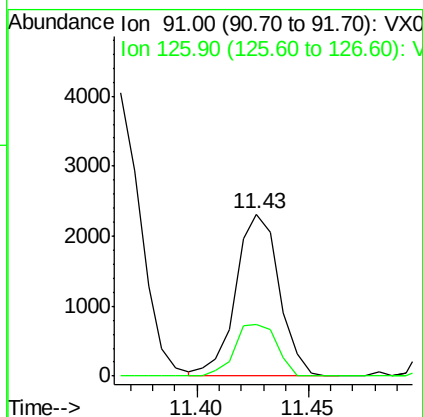
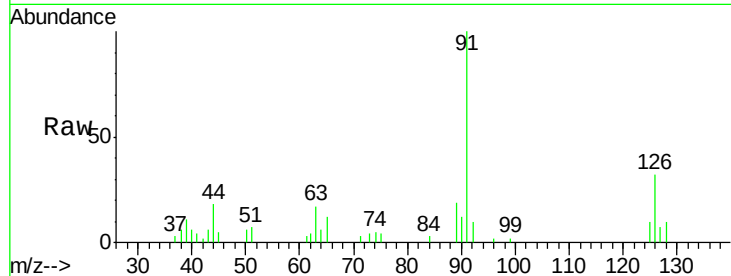




#79
2-Chlorotoluene
Concen: 0.35 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

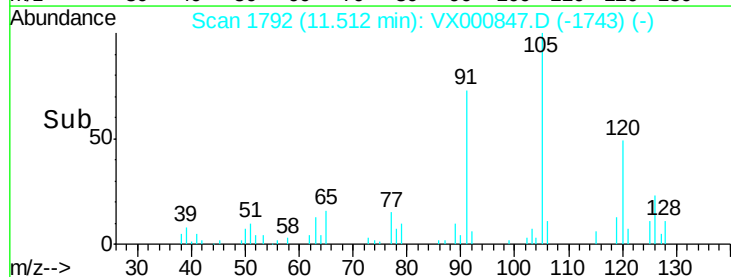
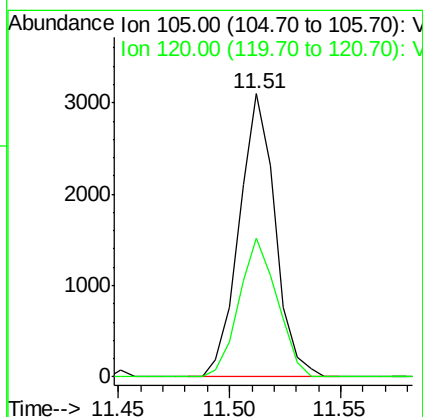
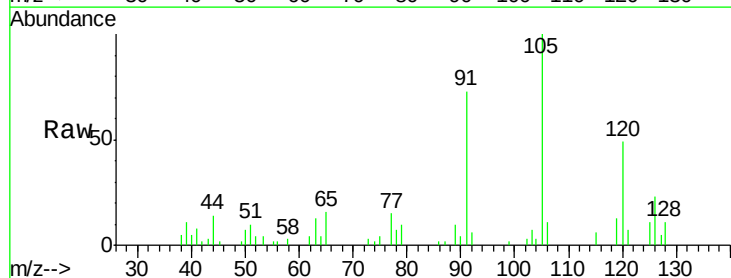
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

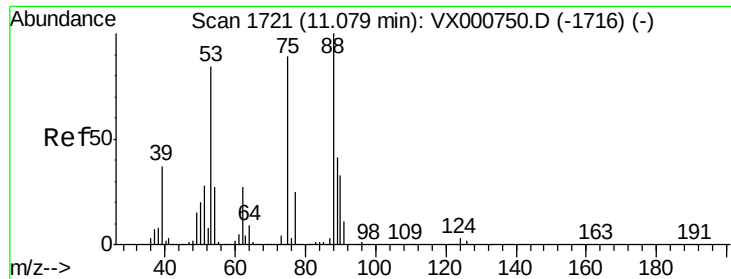
Tgt Ion: 91 Resp: 3155
Ion Ratio Lower Upper
91 100
126 31.0 18.3 54.9



#80
1,3,5-Trimethylbenzene
Concen: 0.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion: 105 Resp: 3488
Ion Ratio Lower Upper
105 100
120 51.7 25.0 75.0

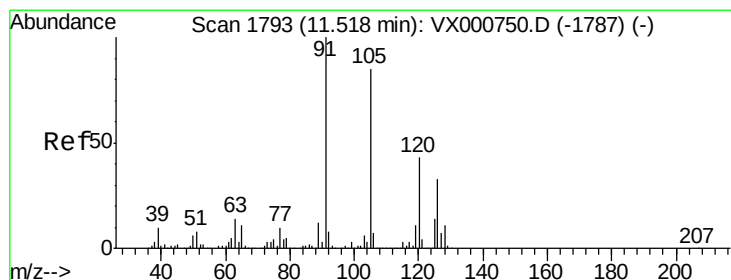
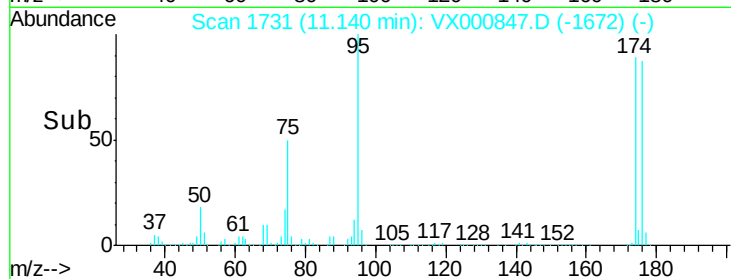
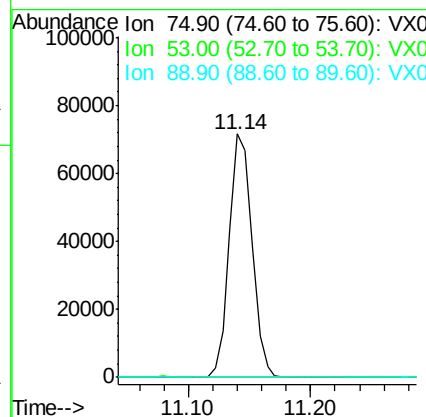
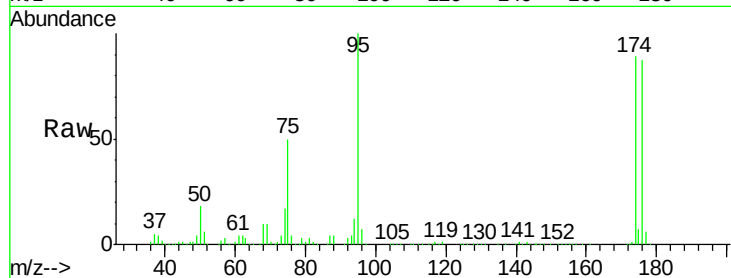




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.37 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

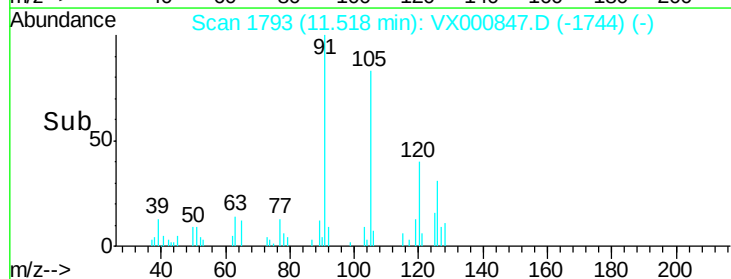
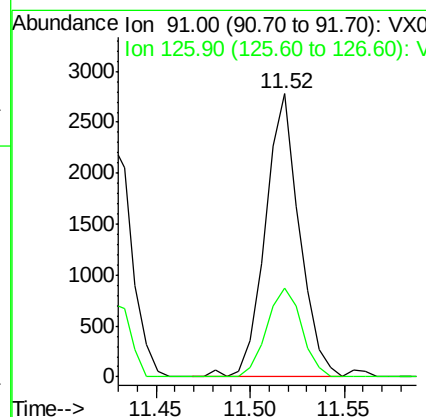
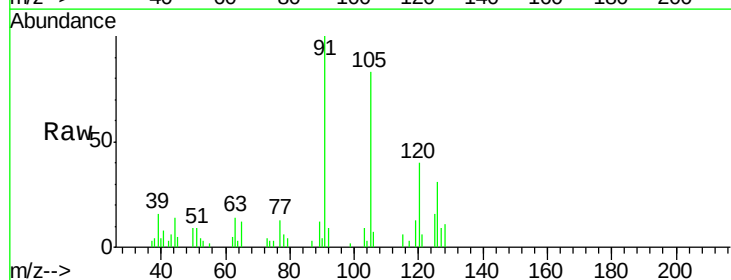
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

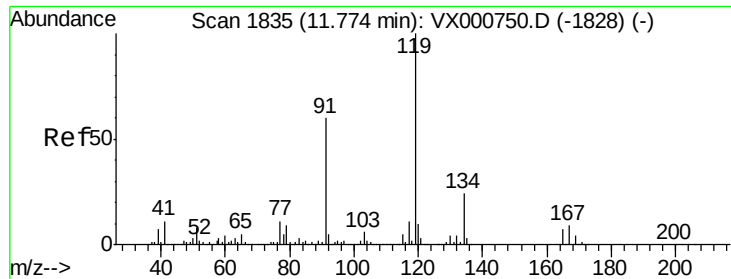
Tgt Ion: 75 Resp: 92575
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#



#82
 4-Chlorotoluene
 Concen: 0.32 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion: 91 Resp: 3483
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.2 48.6

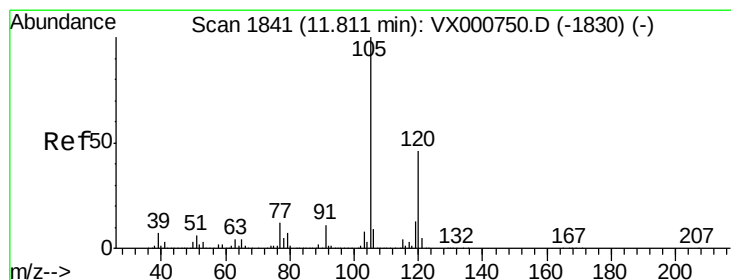
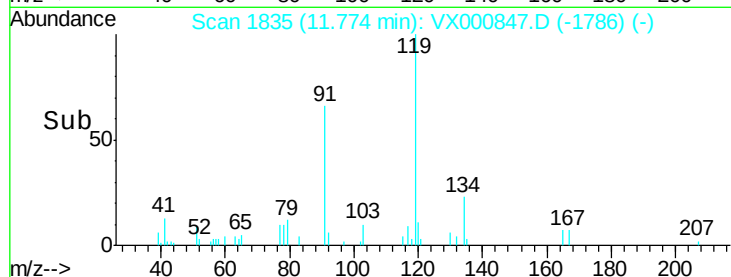
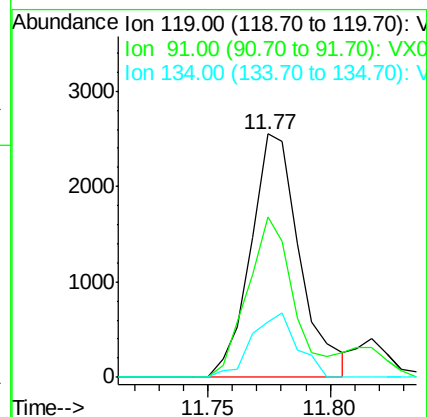
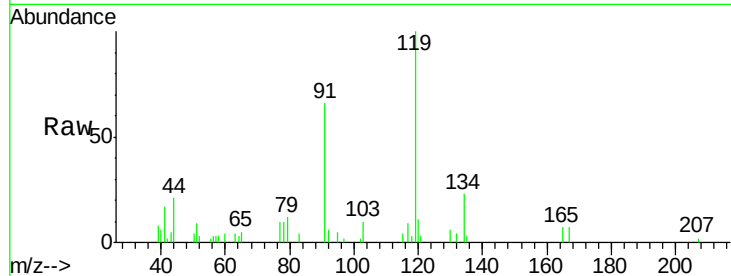




#83
 tert-Butylbenzene
 Concen: 0.31 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

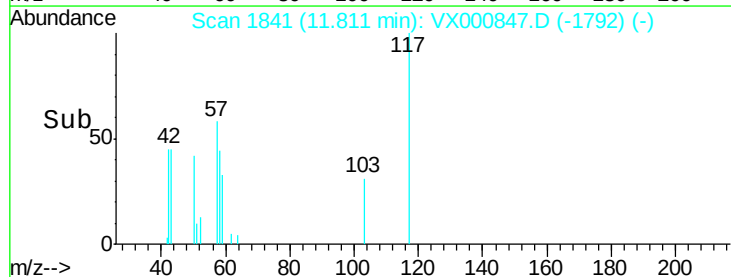
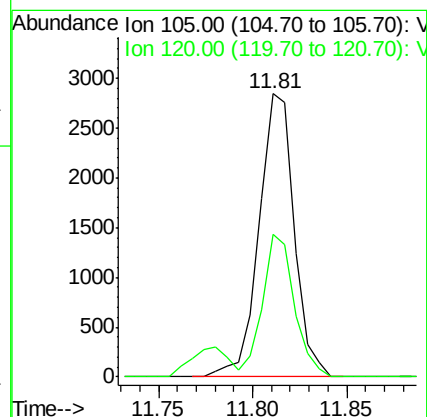
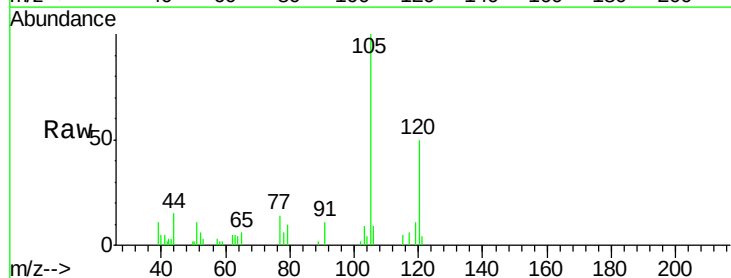
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

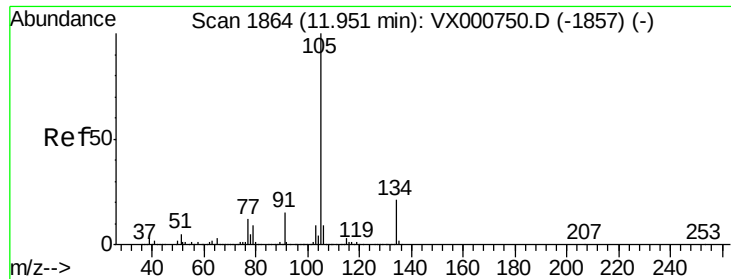
Tgt Ion:119 Resp: 3587
 Ion Ratio Lower Upper
 119 100
 91 61.2 26.8 80.3
 134 24.5 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion:105 Resp: 3673
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 0.32 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

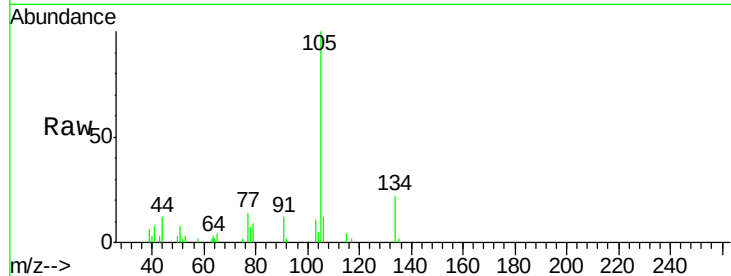
MDL-WATER-03-QT2-2018

Tgt Ion:105 Resp: 4408

Ion Ratio Lower Upper

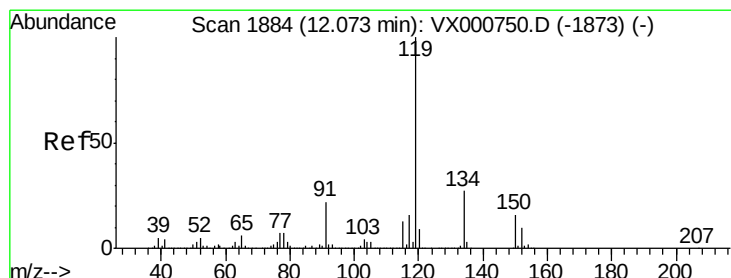
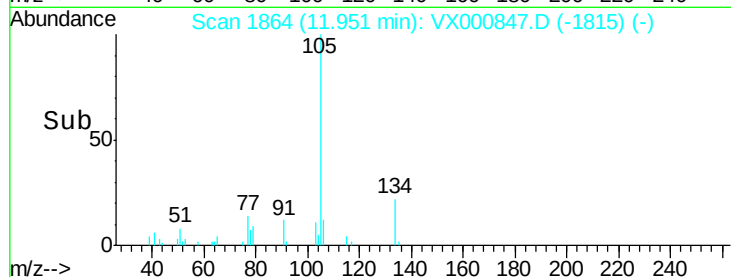
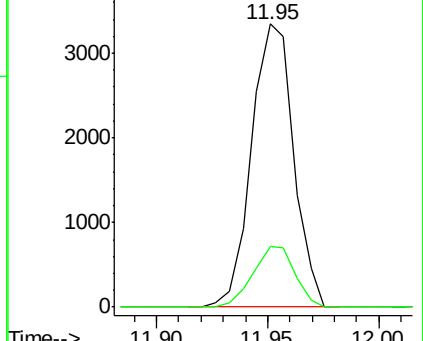
105 100

134 21.3 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: 0.32 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

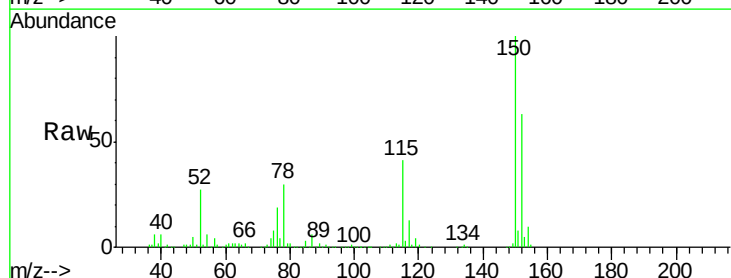
Tgt Ion:119 Resp: 4096

Ion Ratio Lower Upper

119 100

134 31.7 13.6 40.7

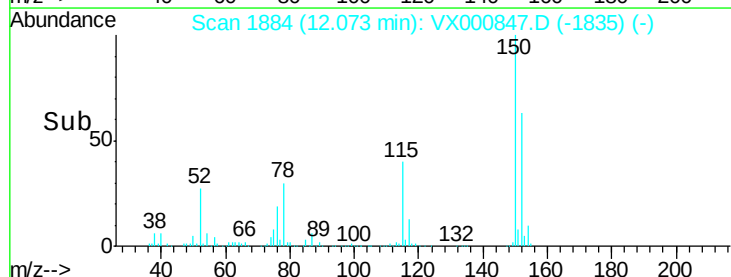
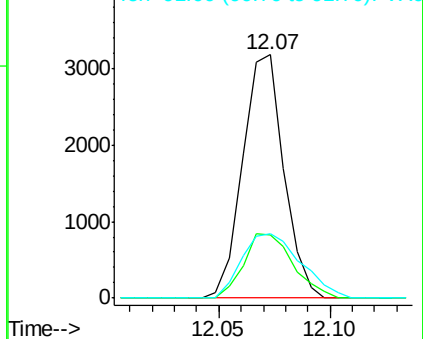
91 38.1 11.2 33.5#

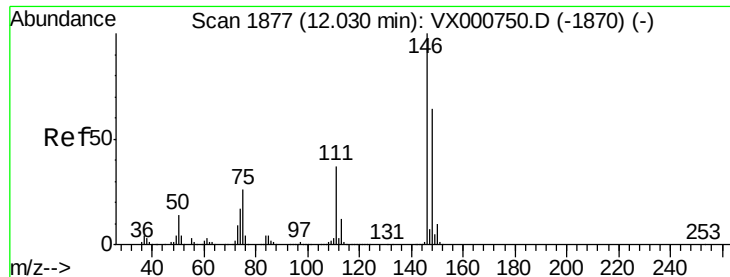


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

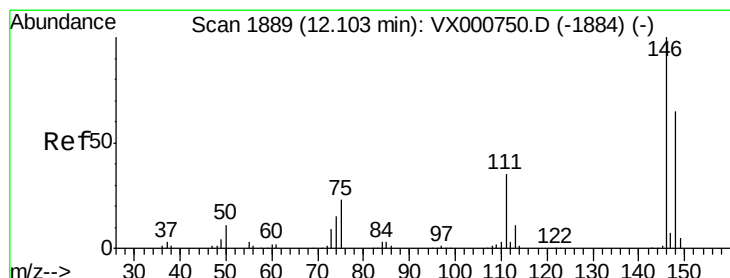
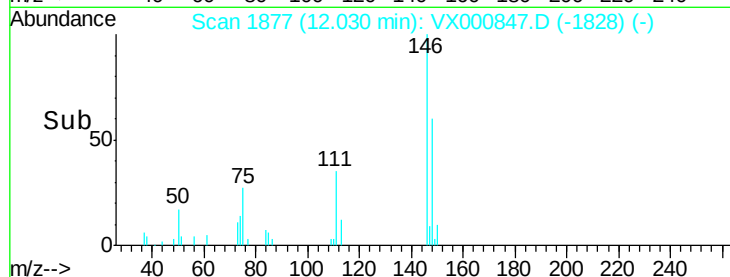
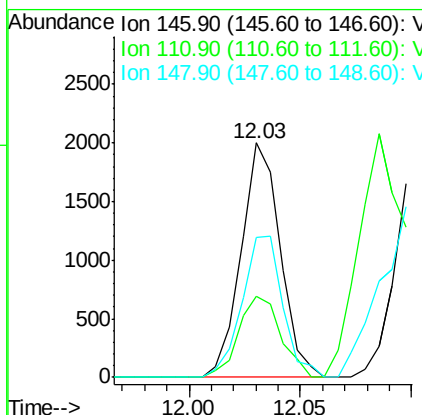
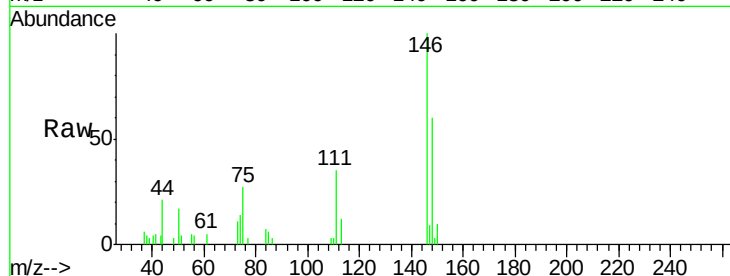




#87
 1,3-Dichlorobenzene
 Concen: 0.34 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

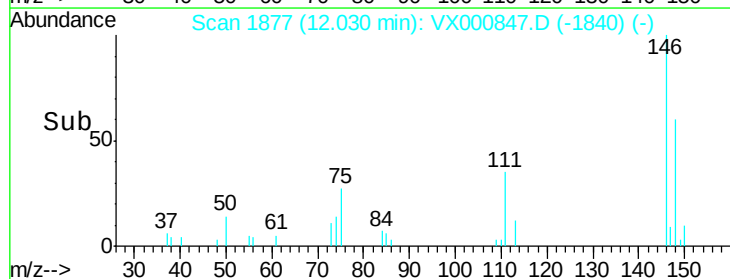
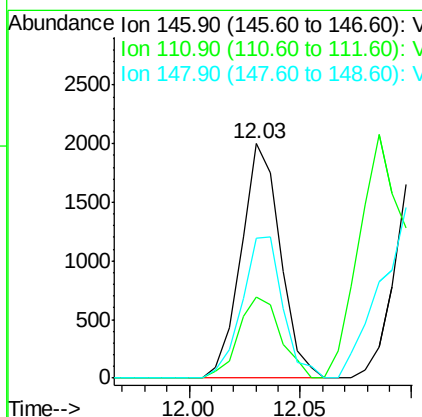
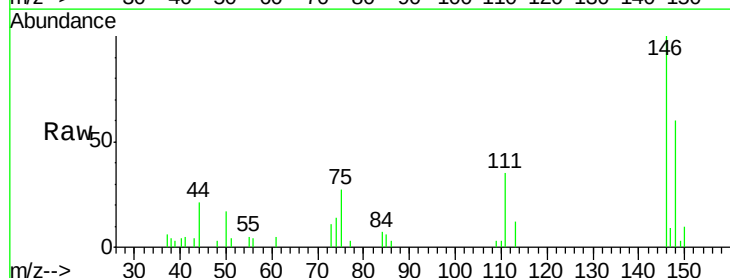
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

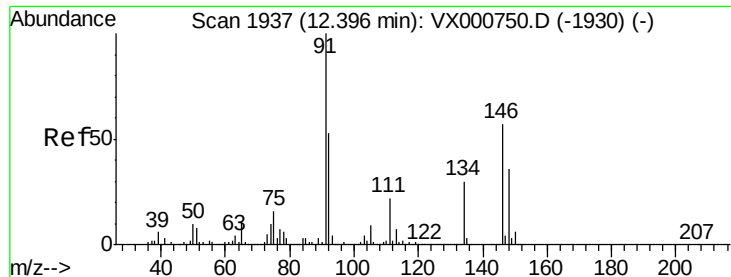
Tgt Ion:146 Resp: 2456
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.3 54.8
 148 63.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.33 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion:146 Resp: 2456
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.9 53.8
 148 63.0 32.6 97.7





#89

n-Butylbenzene

Concen: 0.35 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000847.D

Acq: 13 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

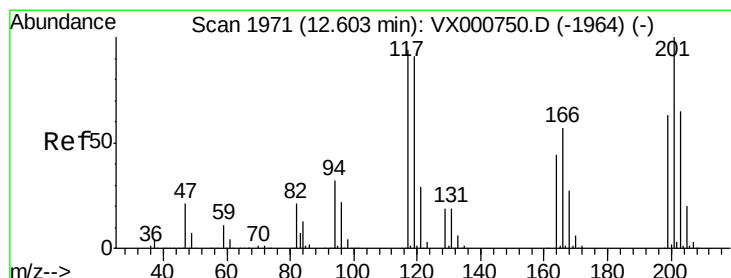
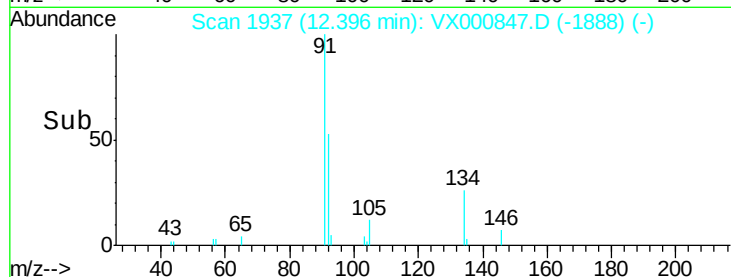
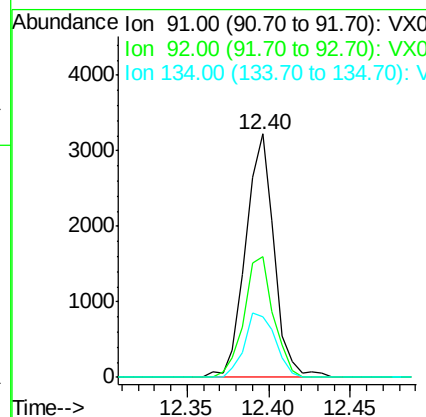
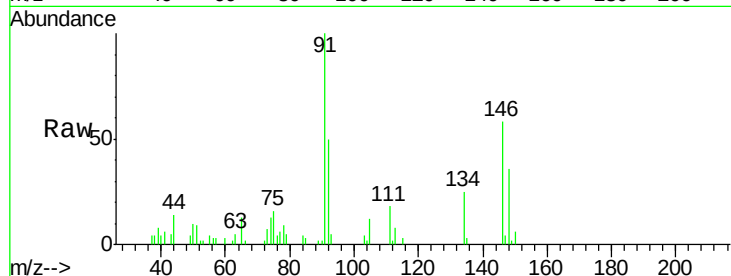
Tgt Ion: 91 Resp: 3926

Ion Ratio Lower Upper

91 100

92 51.4 26.5 79.5

134 28.6 14.5 43.5



#90

Hexachloroethane

Concen: 0.20 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000847.D

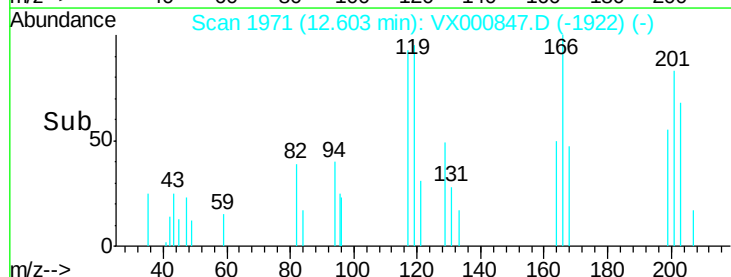
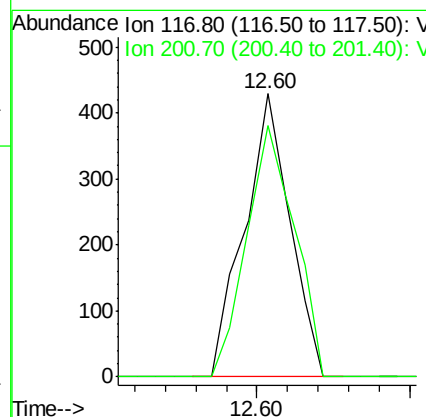
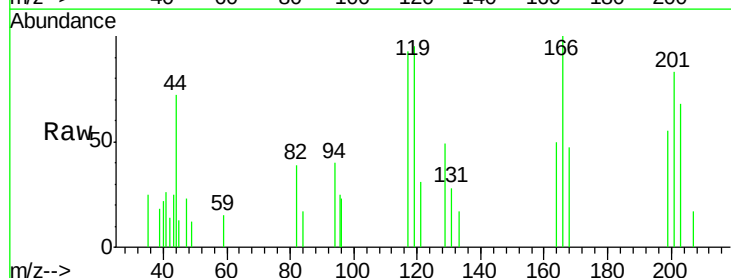
Acq: 13 Apr 2018 14:18

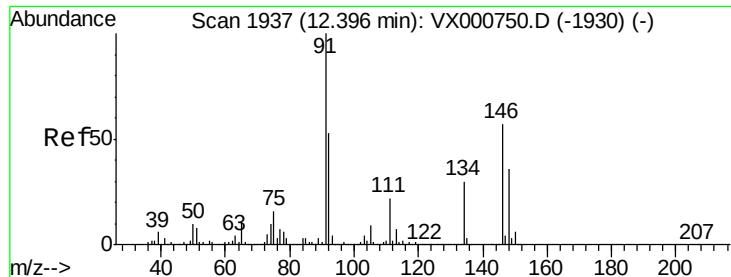
Tgt Ion: 117 Resp: 441

Ion Ratio Lower Upper

117 100

201 93.4 52.9 158.7

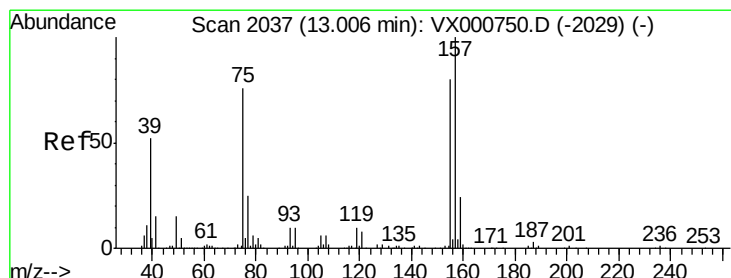
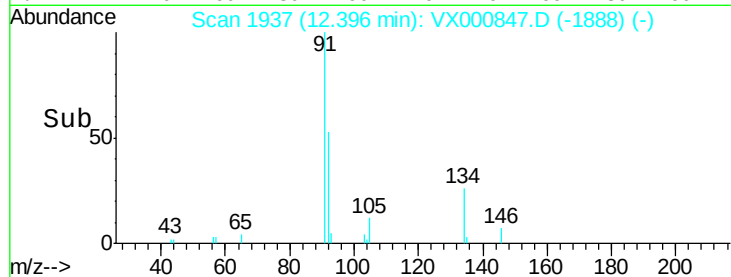
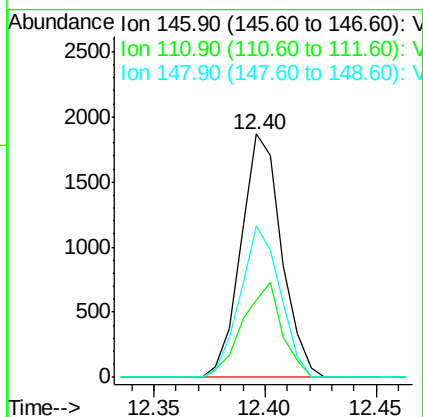
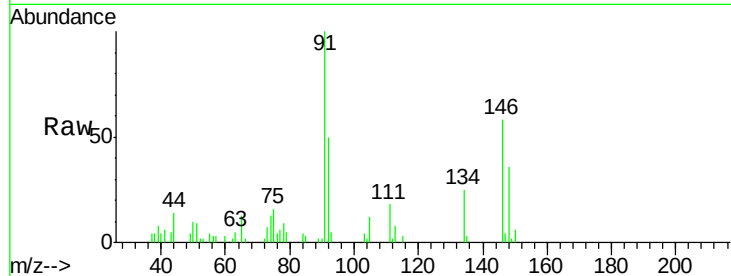




#91
 1,2-Dichlorobenzene
 Concen: 0.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

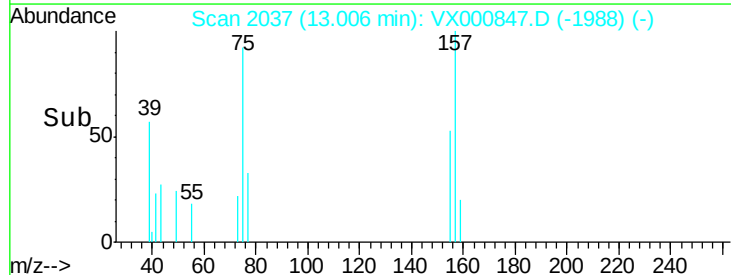
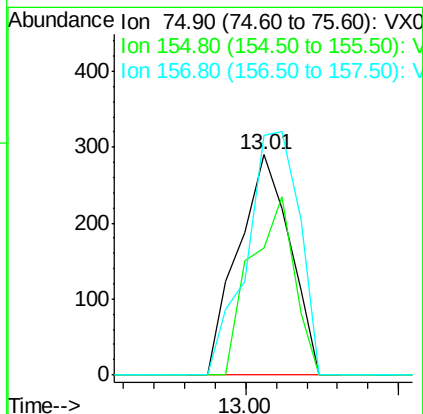
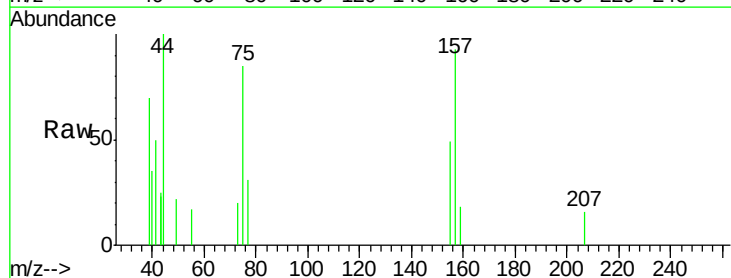
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

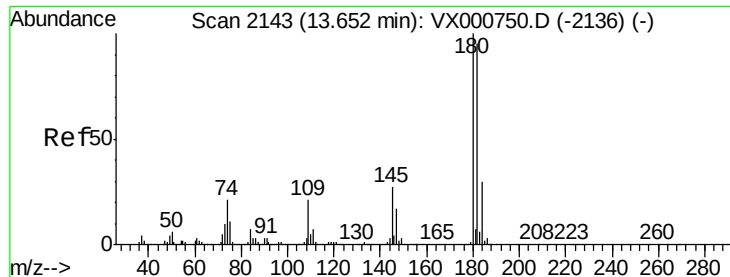
Tgt Ion: 146 Resp: 2368
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.7
 148 61.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion: 75 Resp: 341
 Ion Ratio Lower Upper
 75 100
 155 68.3 51.9 155.8
 157 112.6 66.6 199.8

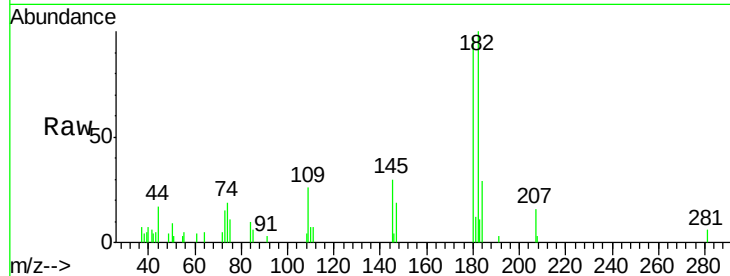




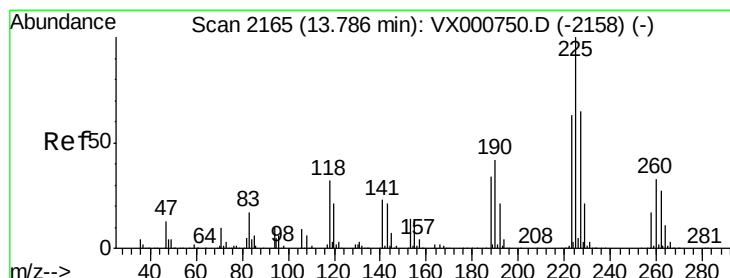
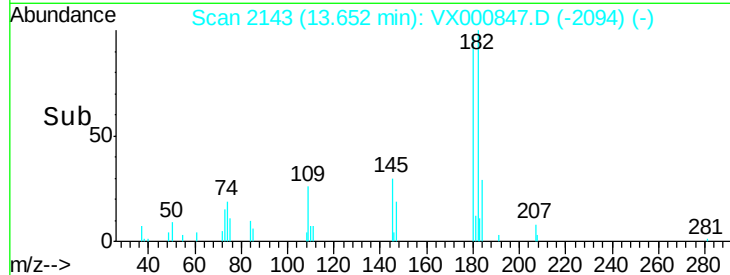
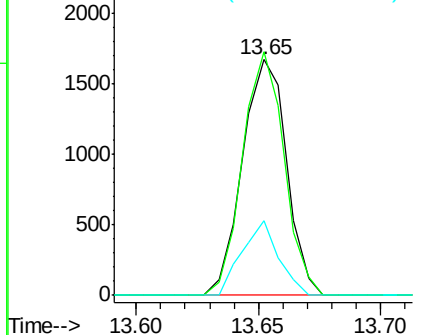
#93
 1,2,4-Trichlorobenzene
 Concen: 0.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

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

Tgt Ion:180 Resp: 2088
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.5 142.5
 145 26.1 13.8 41.4

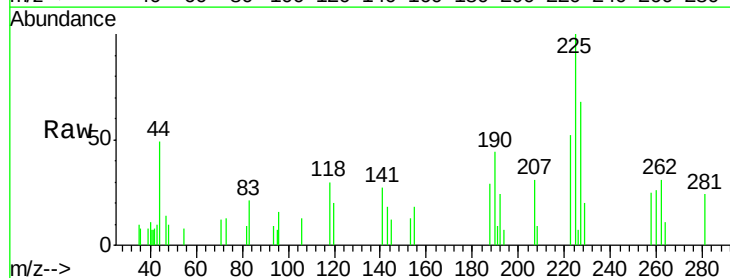


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

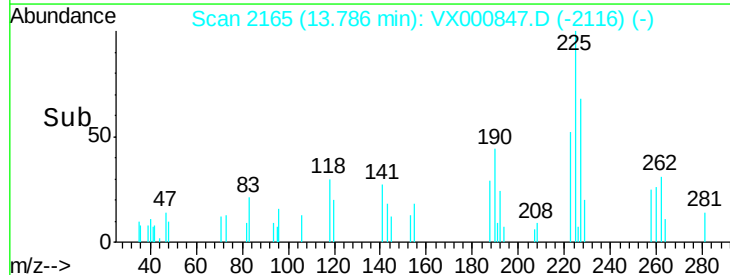
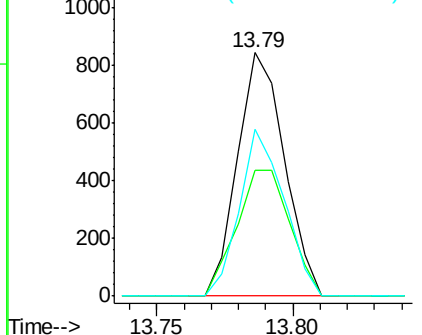


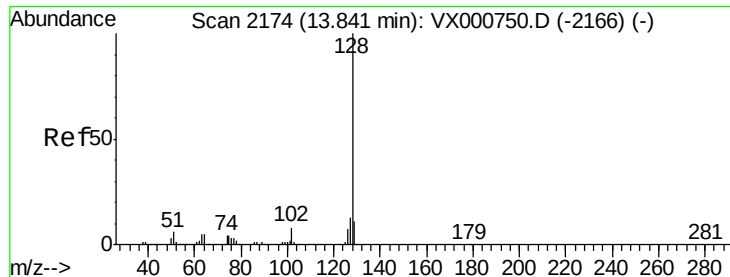
#94
 Hexachlorobutadiene
 Concen: 0.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000847.D
 Acq: 13 Apr 2018 14:18

Tgt Ion:225 Resp: 1009
 Ion Ratio Lower Upper
 225 100
 223 59.1 31.2 93.6
 227 64.9 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

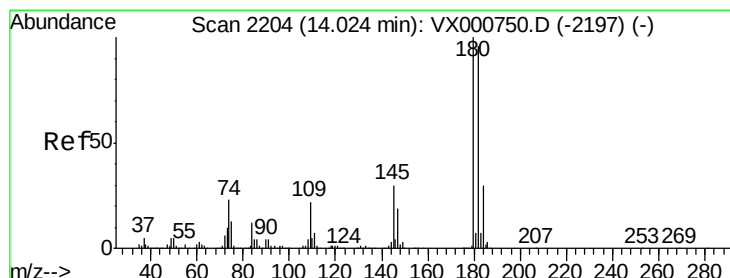
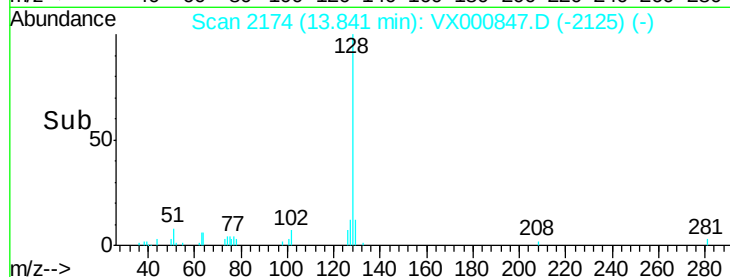
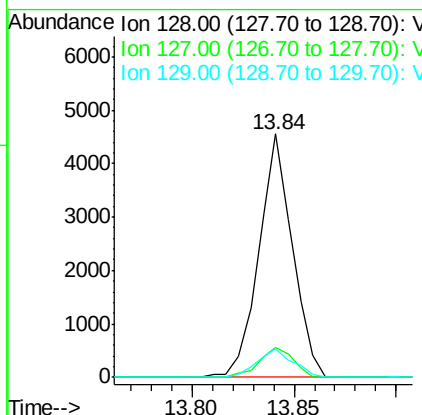
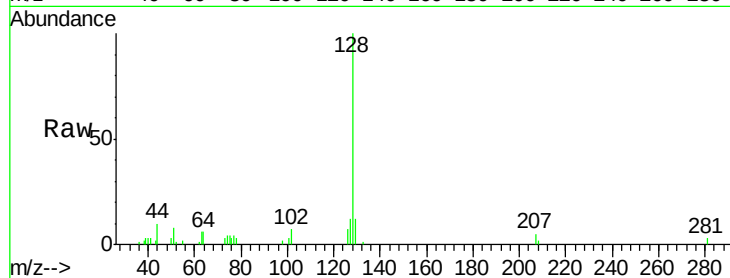




#95
Naphthalene
Concen: 0.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

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

Tgt Ion:128 Resp: 5206
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 12.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.33 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX000847.D
Acq: 13 Apr 2018 14:18

Tgt Ion:180 Resp: 1911
Ion Ratio Lower Upper
180 100
182 93.5 48.4 145.2
145 28.7 14.6 43.8

