

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003258.D
 Acq On : 09 Jul 2018 21:50
 Operator : JC/MD
 Sample : J3762-09 MDL .5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 10 01:03:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199989	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	5.51	113	164918	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	8.72	98	593664	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	204643	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1899	0.51	ug/l	87
3) Chloromethane	1.32	50	2600	0.76	ug/l	99
4) Vinyl Chloride	1.40	62	1910	0.55	ug/l #	28
5) Bromomethane	1.64	94	2804	Below	Cal	92
6) Chloroethane	1.72	64	1437	0.74	ug/l #	75
7) Trichlorofluoromethane	1.93	101	2821	0.54	ug/l	87
8) Diethyl Ether	2.19	74	1101	0.58	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1792	0.59	ug/l	95
10) Methyl Iodide	2.52	142	4036	6.71	ug/l	97
11) Tert butyl alcohol	3.08	59	2253	3.20	ug/l #	87
12) 1,1-Dichloroethene	2.37	96	1508	0.54	ug/l #	68
13) Acrolein	2.29	56	1981	3.49	ug/l	89
14) Allyl chloride	2.73	41	2851	0.55	ug/l	94
15) Acrylonitrile	3.15	53	4728	3.00	ug/l	97
16) Acetone	2.45	43	4229	3.06	ug/l #	86
17) Carbon Disulfide	2.57	76	4752	0.62	ug/l	99
18) Methyl Acetate	2.78	43	2337	0.60	ug/l #	88
19) Methyl tert-butyl Ether	3.21	73	4984	0.54	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	1741	0.59	ug/l #	80
22) Diisopropyl ether	3.88	45	5885	0.56	ug/l #	88
23) Vinyl Acetate	3.83	43	21026	2.37	ug/l #	90
24) 1,1-Dichloroethane	3.70	63	3016	0.55	ug/l #	87
25) 2-Butanone	4.71	43	6621	2.71	ug/l	97
26) 2,2-Dichloropropane	4.59	77	2124	0.45	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	2146	0.59	ug/l	58
28) Bromochloromethane	5.02	49	1726	0.63	ug/l #	95
29) Tetrahydrofuran	5.18	42	5056	3.19	ug/l	98
30) Chloroform	5.21	83	3353	0.56	ug/l	86
31) Cyclohexane	5.57	56	2931	0.57	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	2868	0.54	ug/l #	49
36) 1,1-Dichloropropene	5.81	75	2588	0.57	ug/l	89
37) Ethyl Acetate	4.87	43	2963	0.59	ug/l #	87
38) Carbon Tetrachloride	5.79	117	2747	0.55	ug/l #	91
39) Methylcyclohexane	7.46	83	2893	0.54	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003258.D
 Acq On : 09 Jul 2018 21:50
 Operator : JC/MD
 Sample : J3762-09 MDL .5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 10 01:03:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.15	78	6923	0.51	ug/l	99
41) Methacrylonitrile	5.07	41	1764	0.65	ug/l #	70
42) 1,2-Dichloroethane	6.20	62	2750	0.55	ug/l	91
43) Isopropyl Acetate	6.47	43	4113	0.52	ug/l	95
44) Trichloroethene	7.22	130	2076	0.52	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1783	0.51	ug/l #	82
46) Dibromomethane	7.67	93	1205	0.50	ug/l	83
47) Bromodichloromethane	7.90	83	2147	0.49	ug/l #	92
48) Methyl methacrylate	7.79	41	1857	0.46	ug/l	92
49) 1,4-Dioxane	7.77	88	894	10.64	ug/l #	70
51) 4-Methyl-2-Pentanone	8.66	43	11177	2.29	ug/l	100
52) Toluene	8.79	92	4678	0.55	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	2235	0.43	ug/l #	76
54) cis-1,3-Dichloropropene	9.05	75	2161	0.46	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	1786	0.50	ug/l #	85
56) Ethyl methacrylate	9.19	69	2121	0.44	ug/l	90
57) 1,3-Dichloropropane	9.37	76	3018	0.53	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	4803	2.05	ug/l	93
59) 2-Hexanone	9.51	43	8249	2.23	ug/l	95
60) Dibromochloromethane	9.59	129	1551	0.42	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1777	0.48	ug/l	98
64) Tetrachloroethene	9.34	164	2631	0.61	ug/l	90
65) Chlorobenzene	10.14	112	5253	0.54	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	1689	0.48	ug/l #	67
67) Ethyl Benzene	10.26	91	7481	0.47	ug/l	94
68) m/p-Xylenes	10.36	106	5712	0.93	ug/l	96
69) o-Xylene	10.70	106	2731	0.46	ug/l	96
70) Stvrene	10.71	104	4068	0.42	ug/l	99
71) Bromoform	10.86	173	1215	0.42	ug/l #	99
73) Isopropylbenzene	11.02	105	7081	0.48	ug/l	94
74) N-amyl acetate	6.47	43	4113	0.59	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	2682	0.59	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	100301	24.95	ug/l #	33
77) Bromobenzene	11.26	156	2461	0.58	ug/l	93
78) n-propylbenzene	11.37	91	8940	0.55	ug/l	99
79) 2-Chlorotoluene	11.42	91	5441	0.55	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	5837	0.48	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	100301	81.55	ug/l #	7
82) 4-Chlorotoluene	11.51	91	6254	0.54	ug/l	100
83) tert-Butylbenzene	11.77	119	5839	0.48	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	5931	0.47	ug/l	95
85) sec-Butylbenzene	11.95	105	6814	0.47	ug/l	92
86) p-Isopropyltoluene	12.07	119	6139	0.47	ug/l	88
87) 1,3-Dichlorobenzene	12.03	146	4490	0.58	ug/l	100
88) 1,4-Dichlorobenzene	12.03	146	4490	0.57	ug/l	99
89) n-Butylbenzene	12.39	91	5150	0.47	ug/l	98
90) Hexachloroethane	12.60	117	915	0.46	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	4184	0.54	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	526	0.54	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	3209	0.56	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070918\
Data File : VX003258.D
Acq On : 09 Jul 2018 21:50
Operator : JC/MD
Sample : J3762-09 MDL .5PPB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

Quant Time: Jul 10 01:03:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

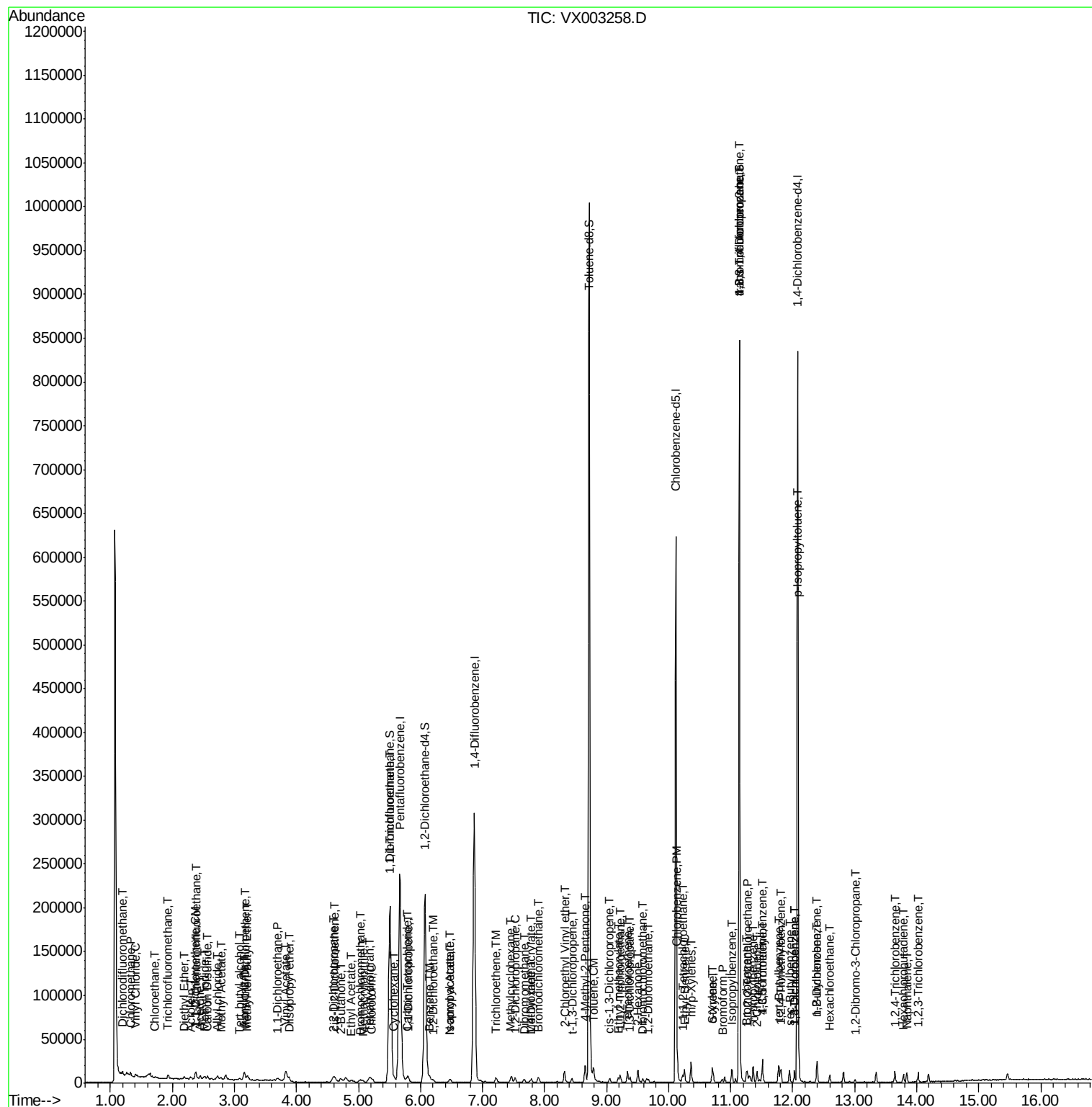
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	1581	0.56	ug/l	91
95) Naphthalene	13.84	128	6809	0.46	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3007	0.53	ug/l	98

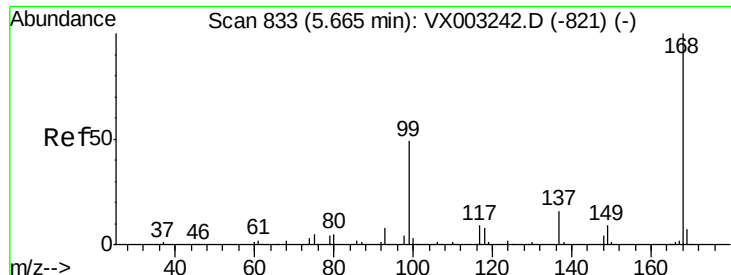
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070918\
Data File : VX003258.D
Acq On : 09 Jul 2018 21:50
Operator : JC/MD
Sample : J3762-09 MDL .5PPB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

Quant Time: Jul 10 01:03:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

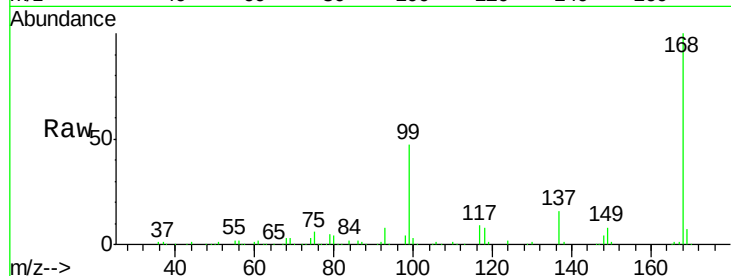
MDL-WATER-03-QT3-2018

Tot Ion:168 Resp: 246996

Ion Ratio Lower Upper

168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

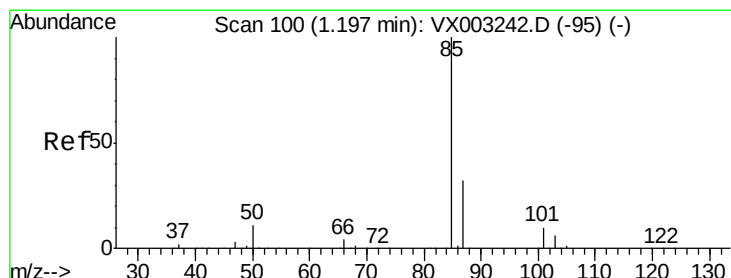
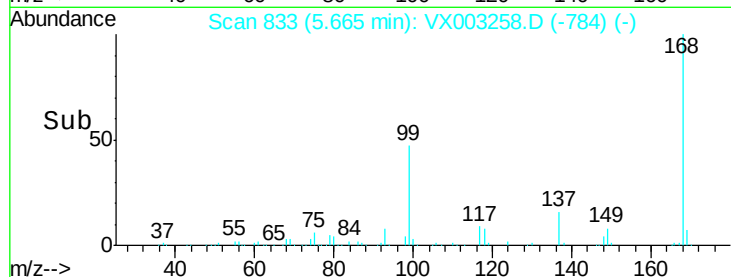
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003258.D

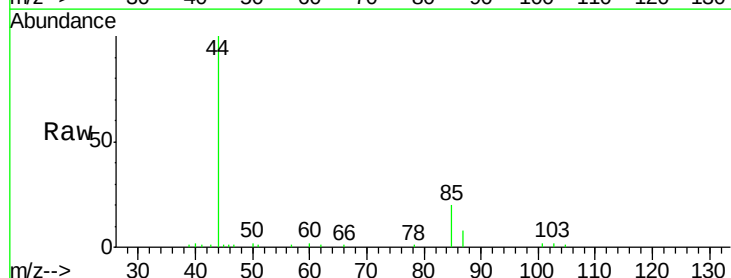
Acq: 09 Jul 2018 21:50

Tgt Ion: 85 Resp: 1899

Ion Ratio Lower Upper

85 100

87 39.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

2000

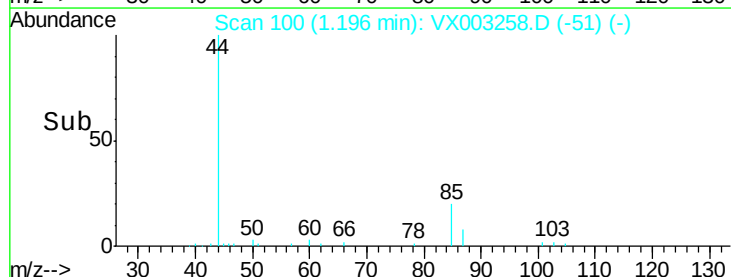
1500

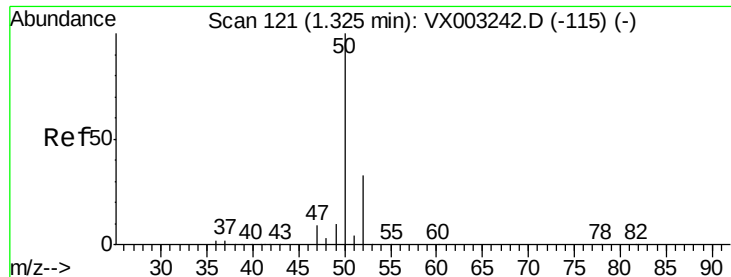
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

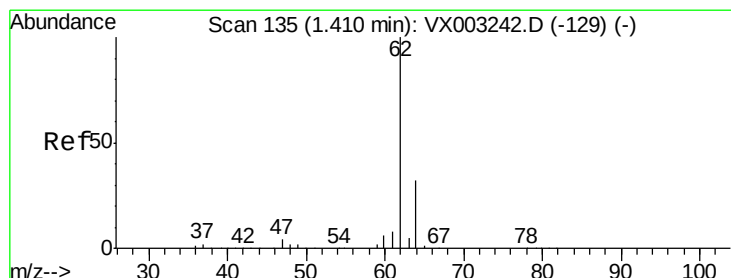
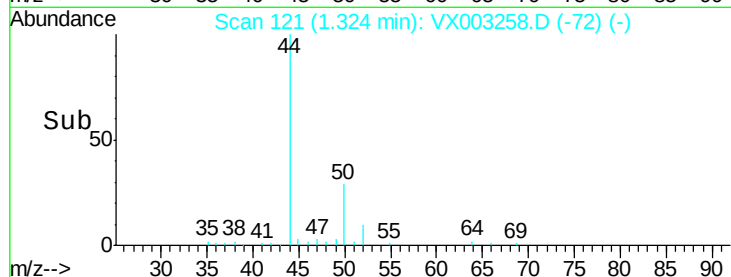
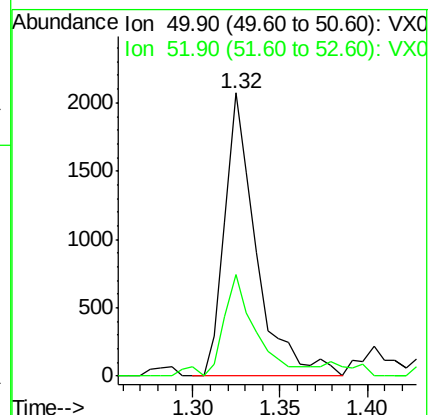
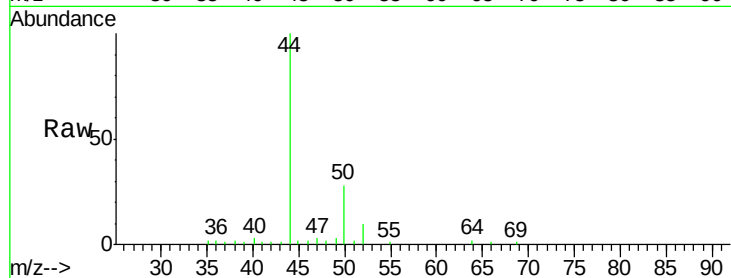
MDL-WATER-03-QT3-2018

Tot Ion: 50 Resp: 2600

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#4

Vinyl Chloride

Concen: 0.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003258.D

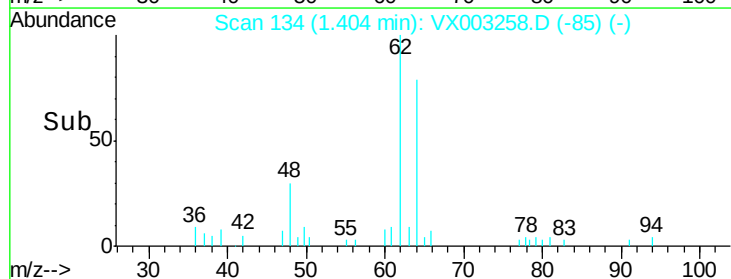
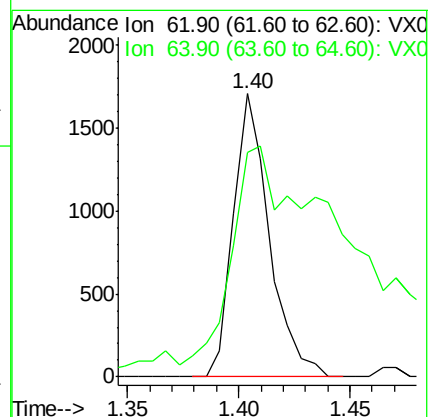
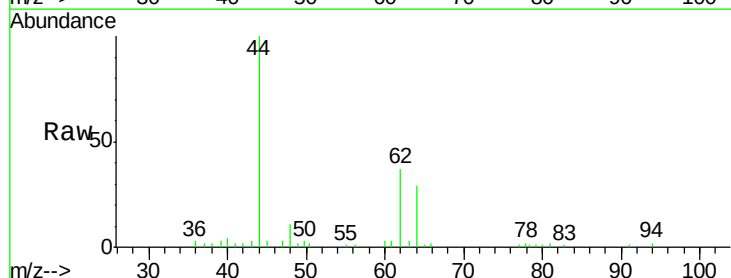
Acq: 09 Jul 2018 21:50

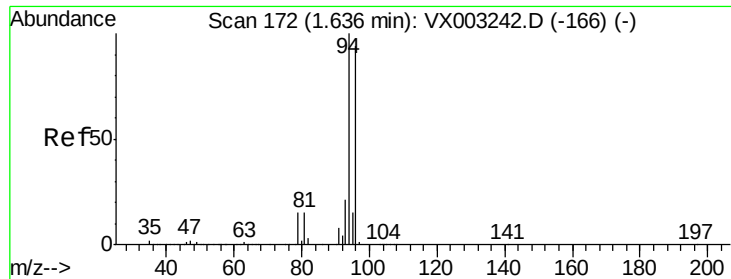
Tgt Ion: 62 Resp: 1910

Ion Ratio Lower Upper

62 100

64 71.7 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

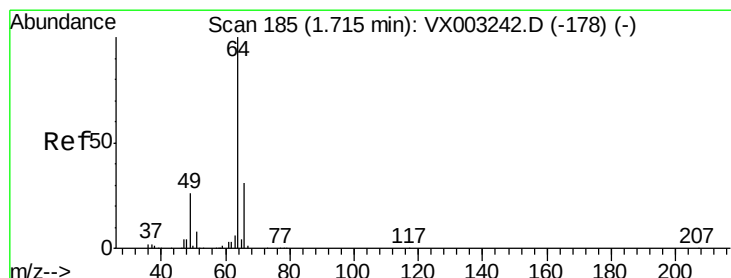
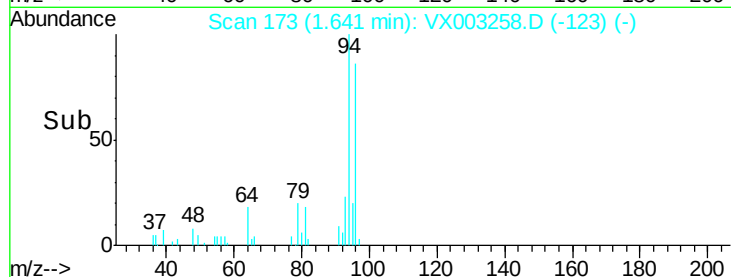
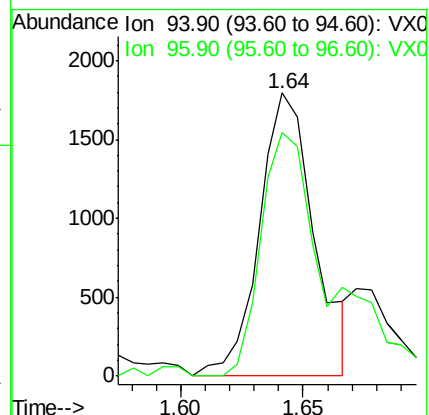
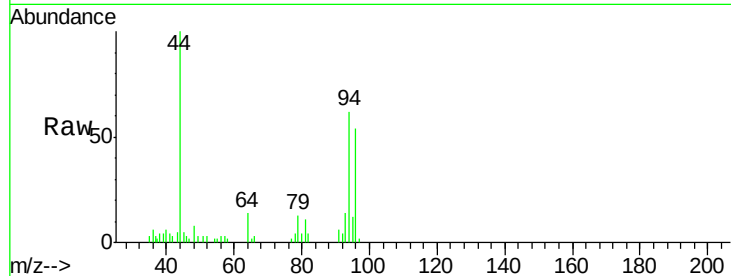
MDL-WATER-03-QT3-2018

Tot Ion: 94 Resp: 2804

Ion Ratio Lower Upper

94 100

96 86.0 74.9 112.3



#6

Chloroethane

Concen: 0.74 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003258.D

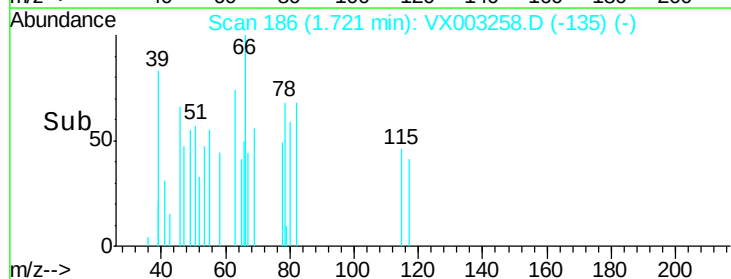
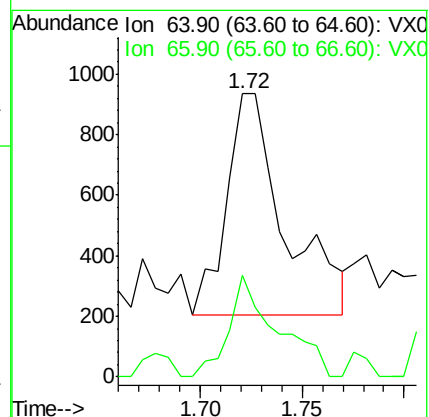
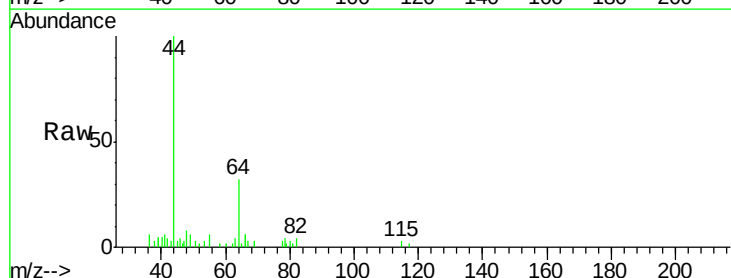
Acq: 09 Jul 2018 21:50

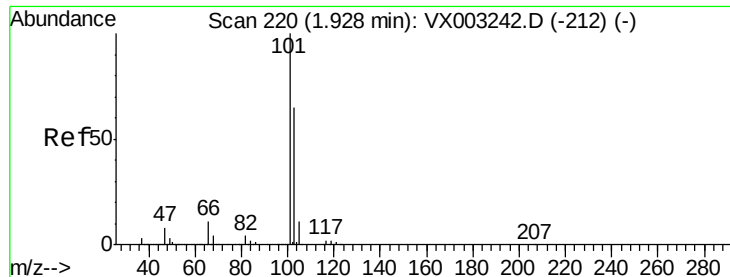
Tgt Ion: 64 Resp: 1437

Ion Ratio Lower Upper

64 100

66 45.8 25.5 38.3#





#7

Trichlorofluoromethane

Concen: 0.54 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

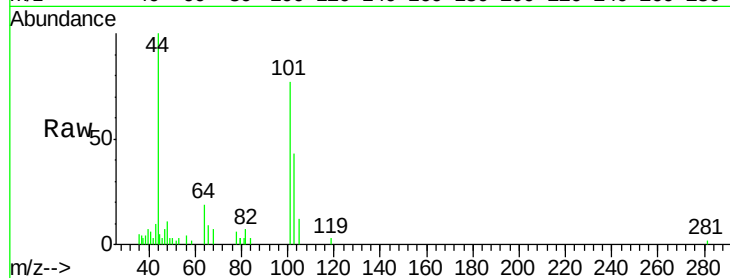
MDL-WATER-03-QT3-2018

Tot Ion:101 Resp: 2821

Ion Ratio Lower Upper

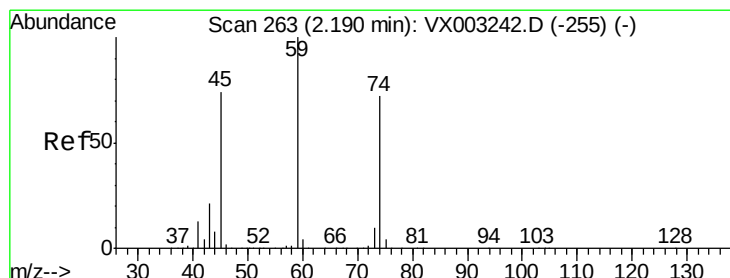
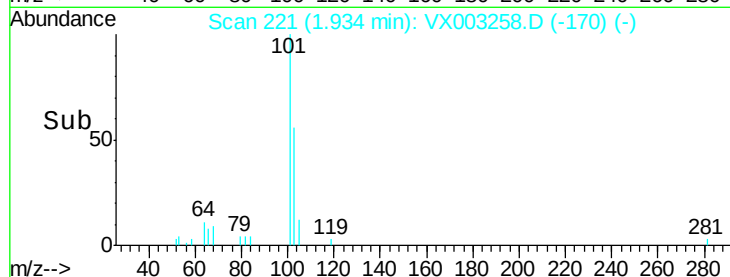
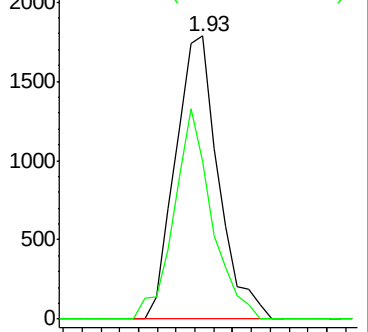
101 100

103 55.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.58 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003258.D

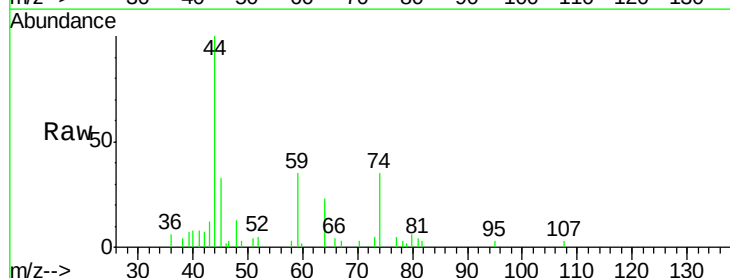
Acq: 09 Jul 2018 21:50

Tgt Ion: 74 Resp: 1101

Ion Ratio Lower Upper

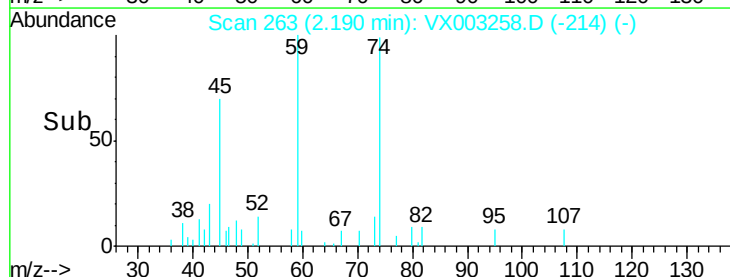
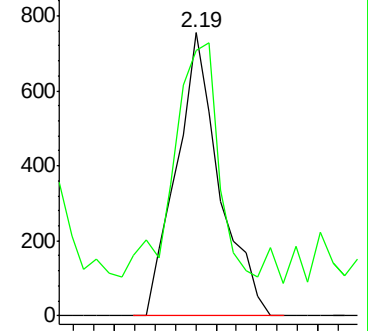
74 100

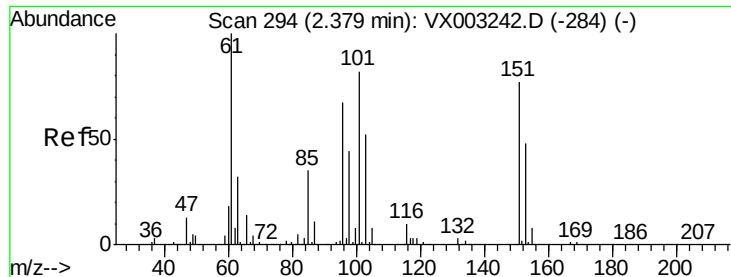
45 83.5 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

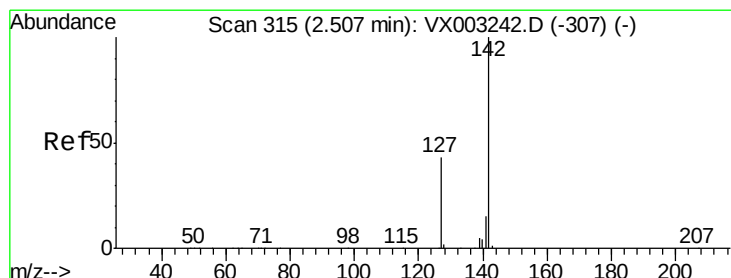
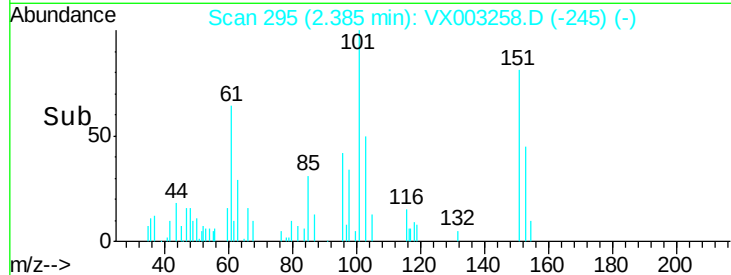
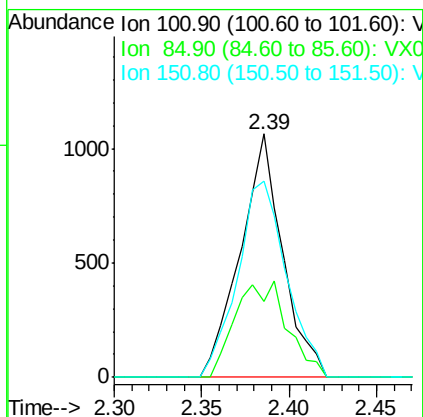
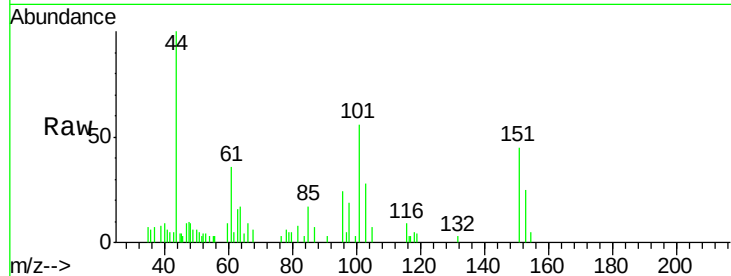




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.59 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

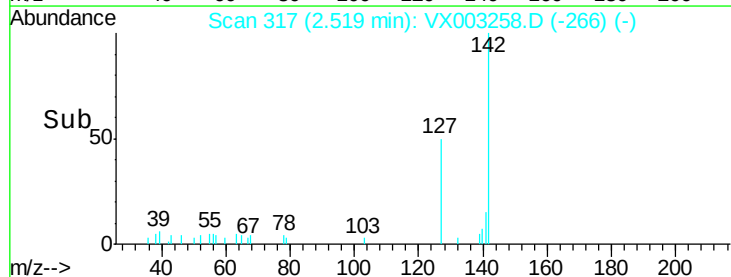
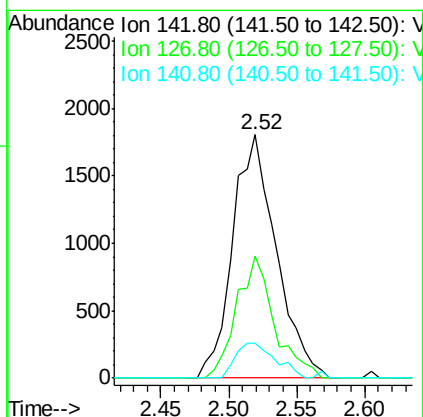
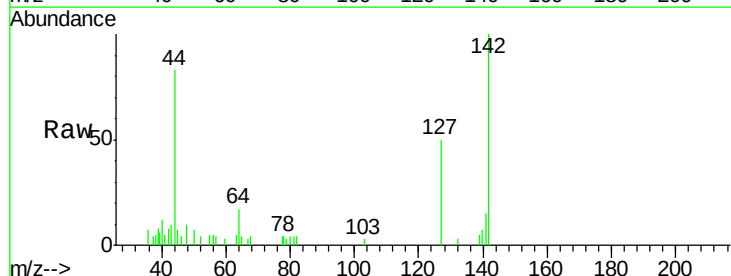
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

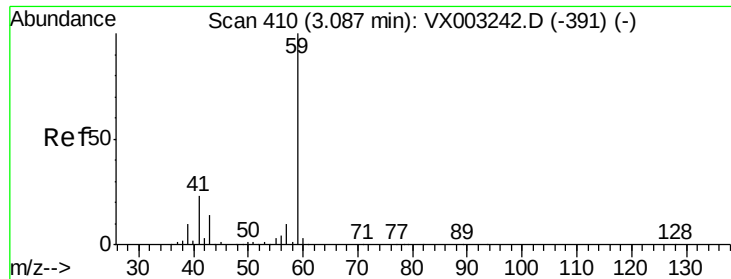
Tot Ion:101 Resp: 1792
 Ion Ratio Lower Upper
 101 100
 85 48.3 36.0 54.0
 151 93.2 70.9 106.3



#10
 Methyl Iodide
 Concen: 6.71 ug/l
 RT: 2.52 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion:142 Resp: 4036
 Ion Ratio Lower Upper
 142 100
 127 43.3 36.6 55.0
 141 13.2 11.3 16.9

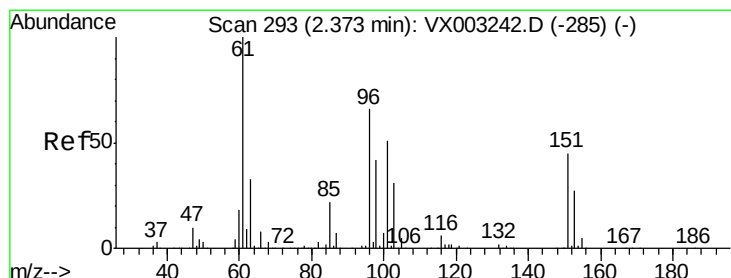
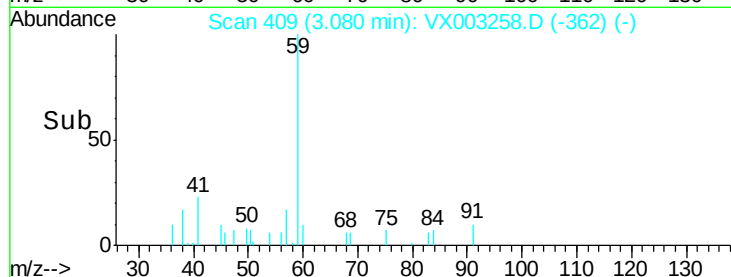
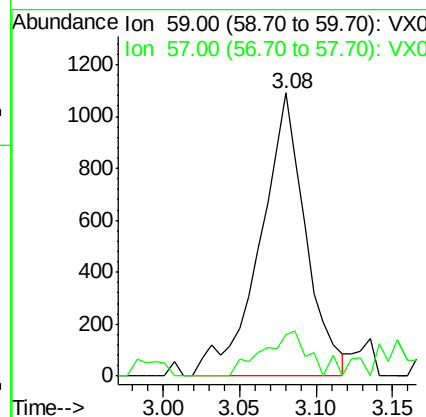
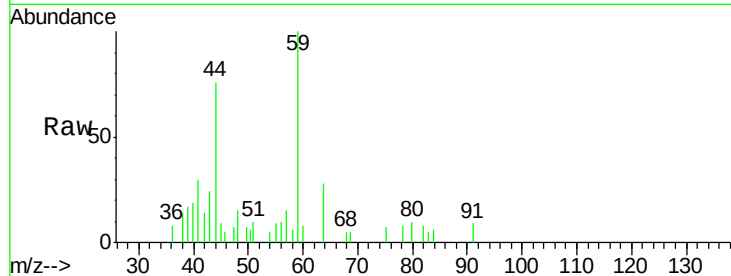




#11
Tert butyl alcohol
Concen: 3.20 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

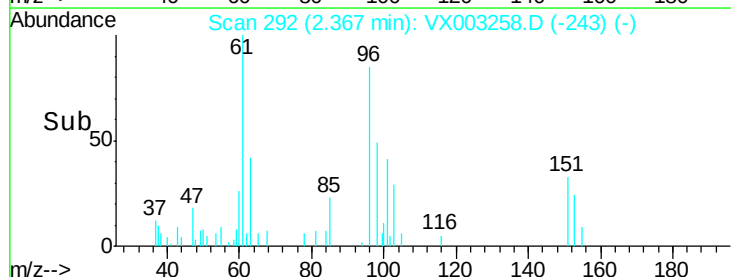
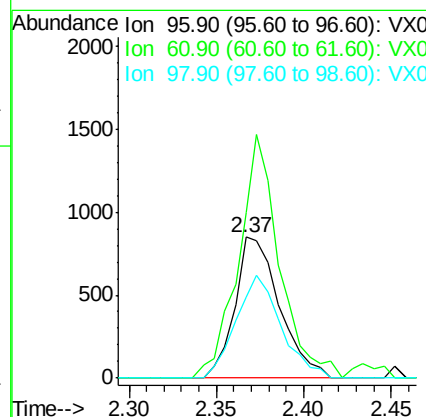
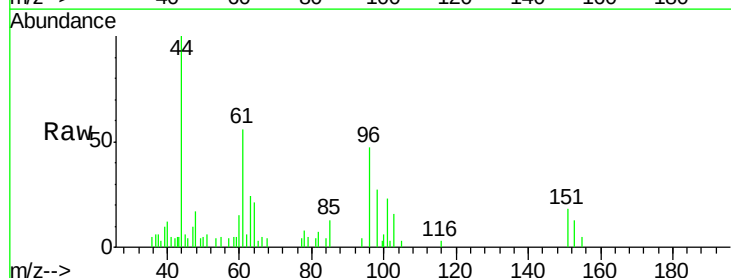
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

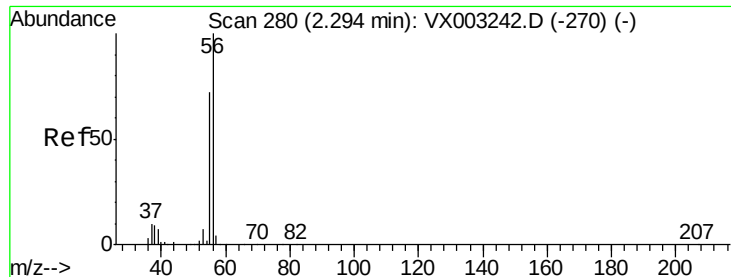
Tot Ion: 59 Resp: 2253
Ion Ratio Lower Upper
59 100
57 15.1 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.54 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 96 Resp: 1508
Ion Ratio Lower Upper
96 100
61 117.4 137.9 206.9#
98 57.1 51.6 77.4





#13

Acrolein

Concen: 3.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

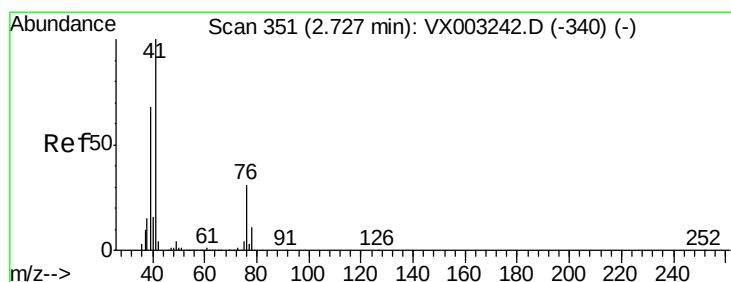
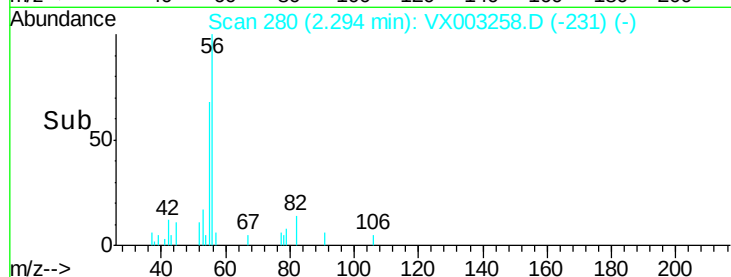
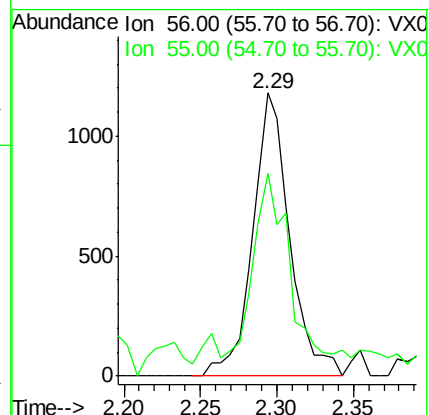
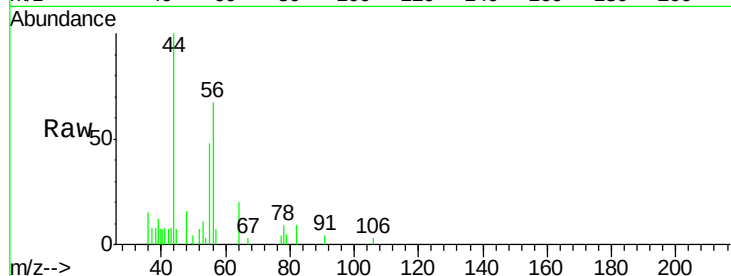
MDL-WATER-03-QT3-2018

Tot Ion: 56 Resp: 1981

Ion Ratio Lower Upper

56 100

55 62.4 57.0 85.4



#14

Allyl chloride

Concen: 0.55 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

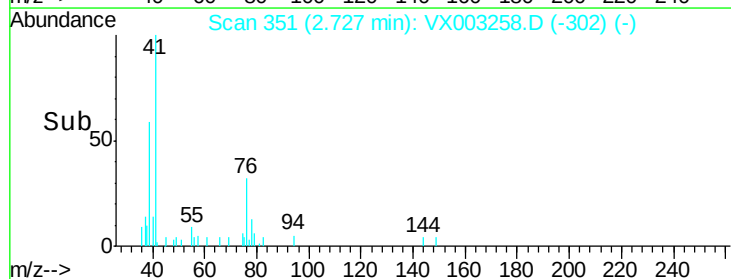
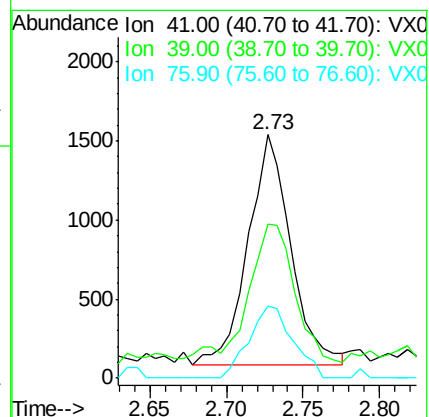
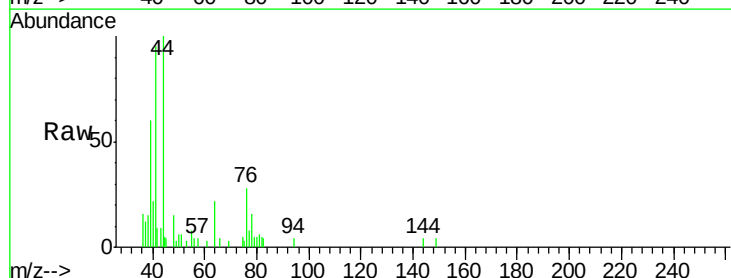
Tgt Ion: 41 Resp: 2851

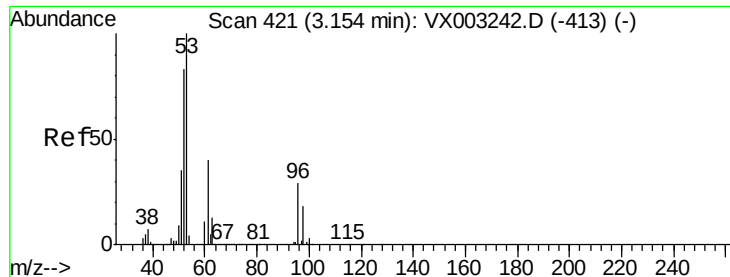
Ion Ratio Lower Upper

41 100

39 65.7 56.8 85.2

76 31.7 23.8 35.8





#15

Acrylonitrile

Concen: 3.00 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

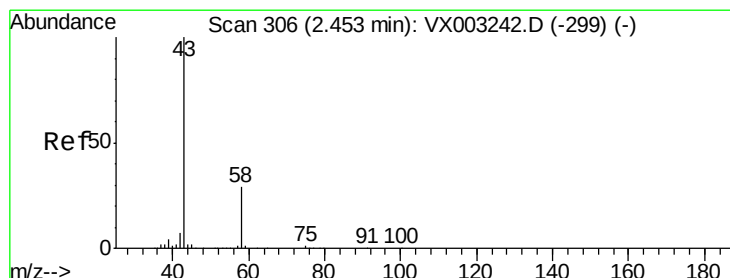
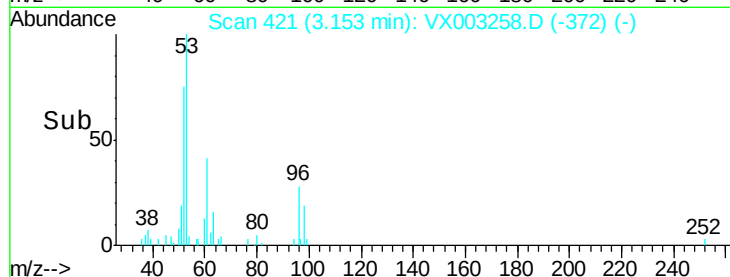
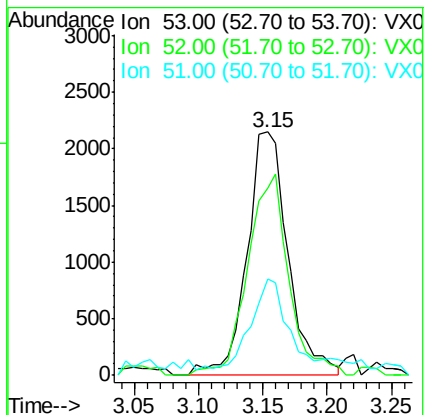
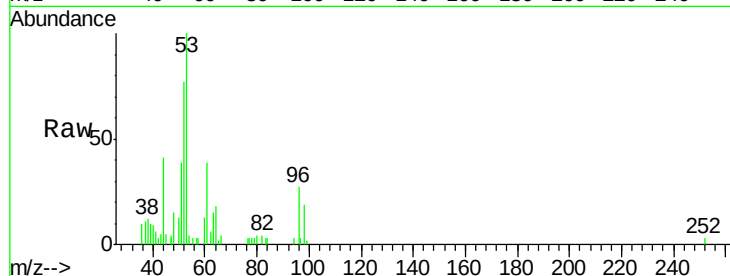
Tot Ion: 53 Resp: 4728

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

51 32.0 29.9 44.9



#16

Acetone

Concen: 3.06 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003258.D

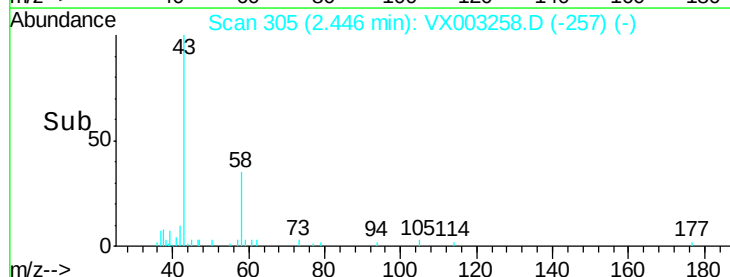
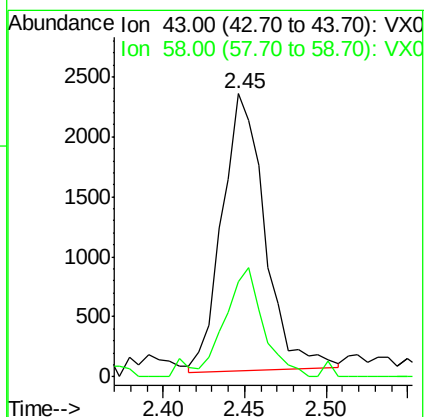
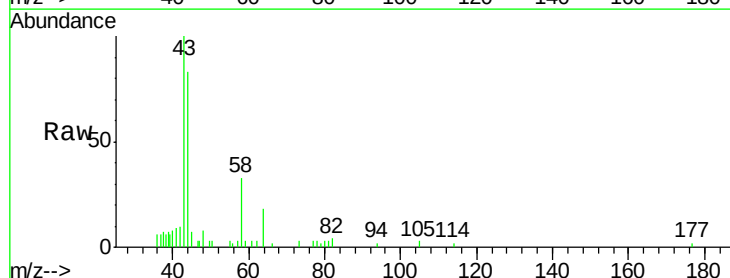
Acq: 09 Jul 2018 21:50

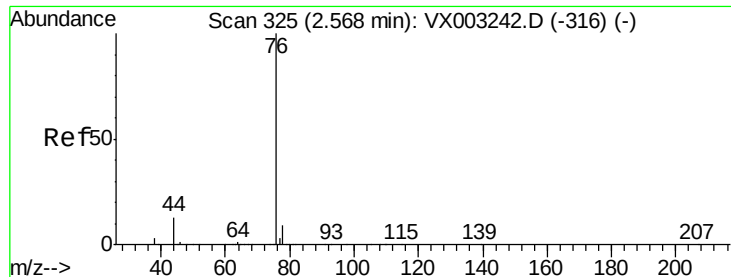
Tgt Ion: 43 Resp: 4229

Ion Ratio Lower Upper

43 100

58 34.7 22.1 33.1#

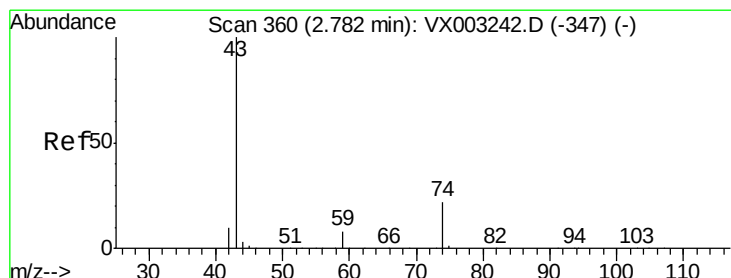
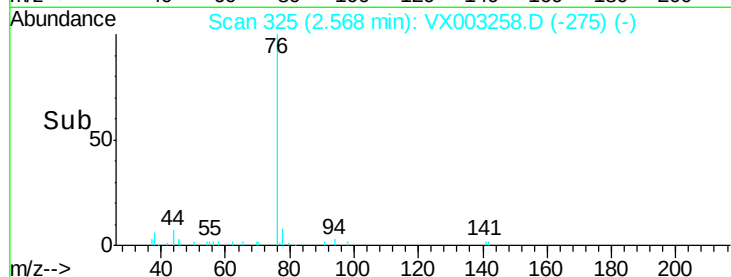
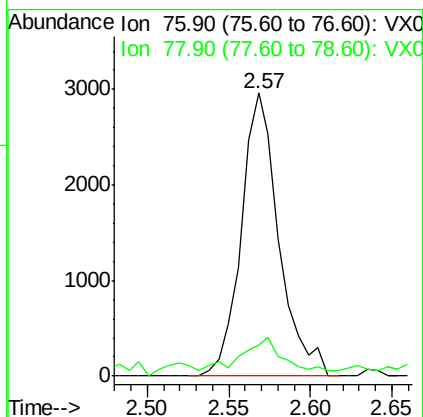
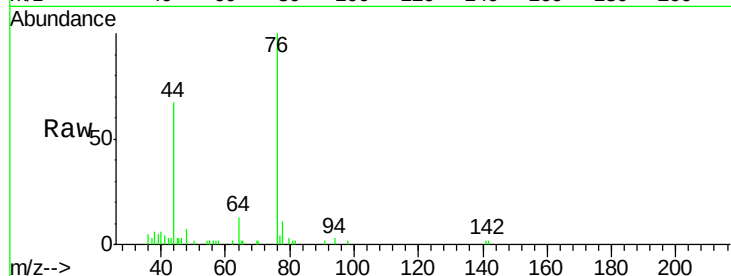




#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

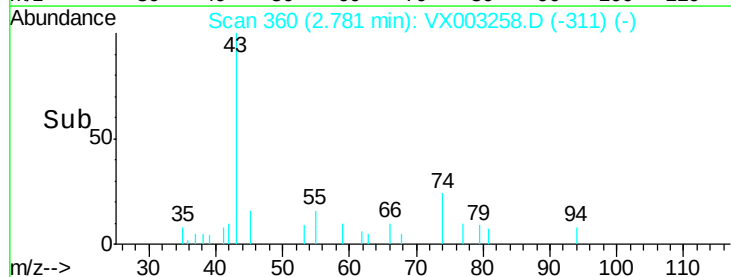
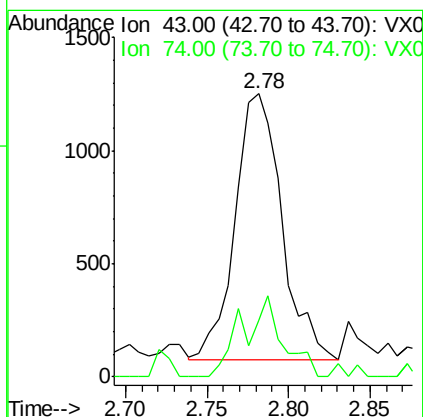
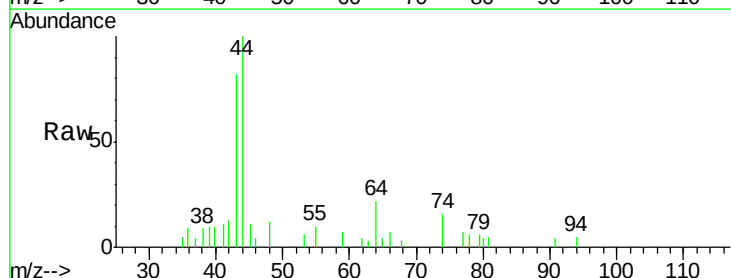
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

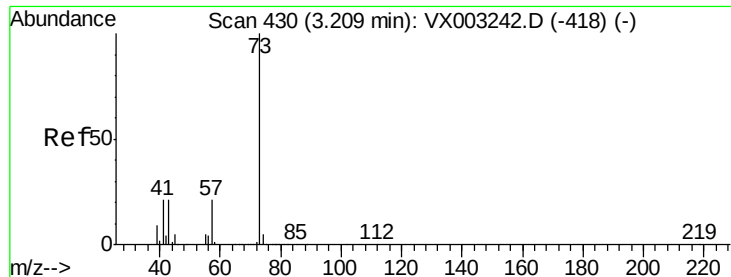
Tot Ion: 76 Resp: 4752
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 0.60 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
74 26.7 16.7 25.1#

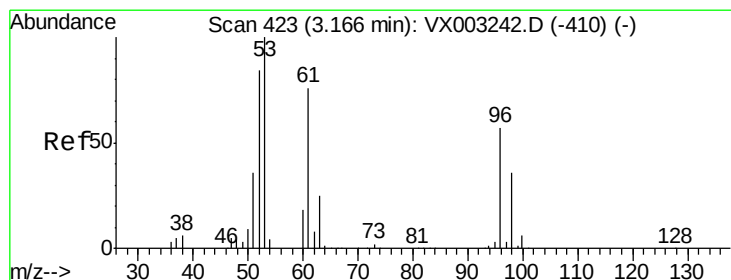
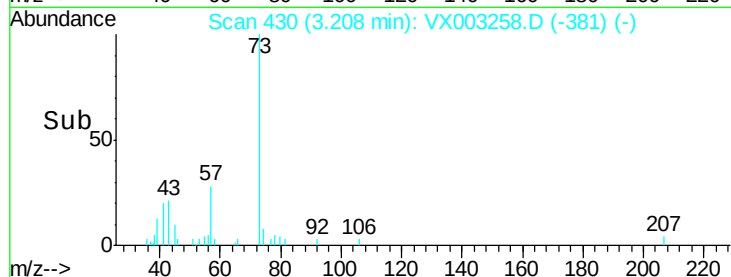
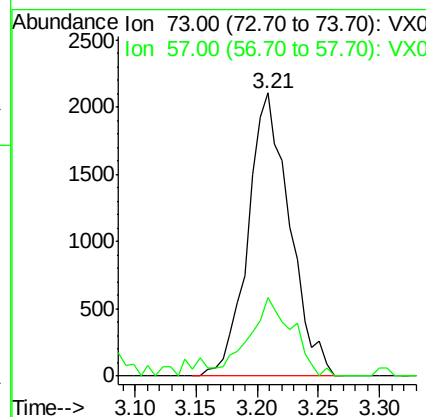
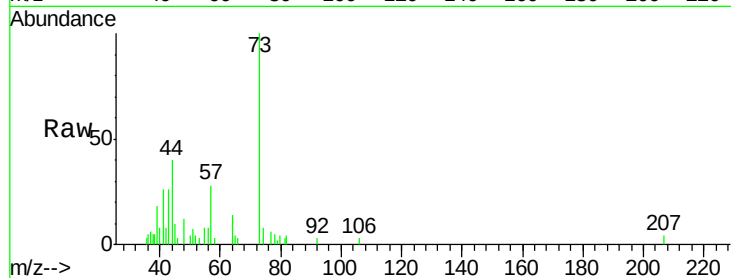




#19
Methvl tert-butvl Ether
Concen: 0.54 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

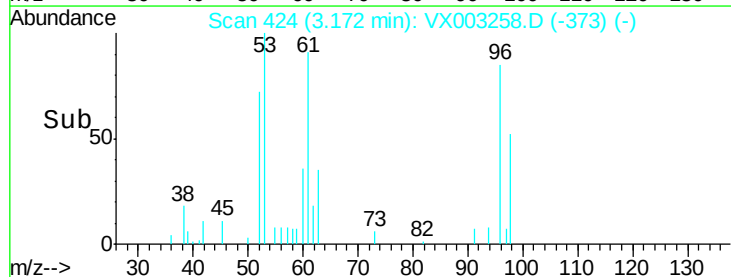
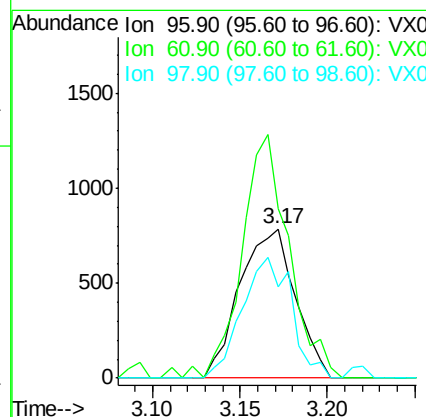
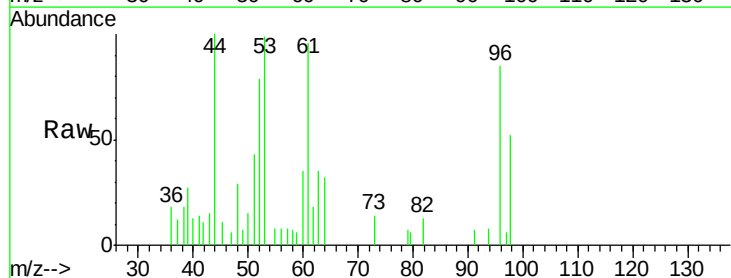
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

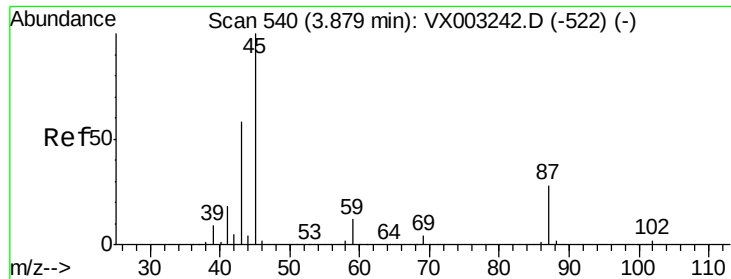
Tot Ion: 73 Resp: 4984
Ion Ratio Lower Upper
73 100
57 27.7 17.7 26.5#



#21
trans-1,2-Dichloroethene
Concen: 0.59 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 96 Resp: 1741
Ion Ratio Lower Upper
96 100
61 113.6 117.0 175.4#
98 61.0 52.4 78.6

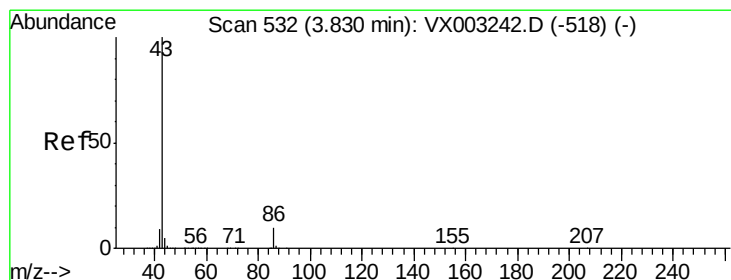
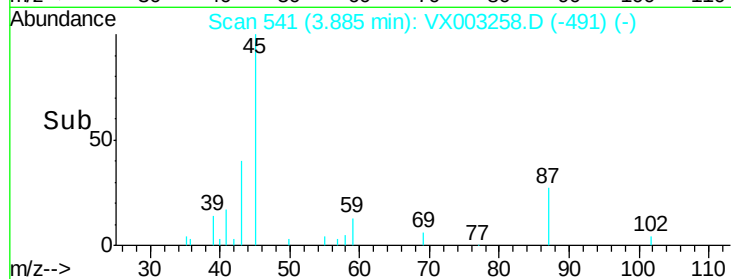
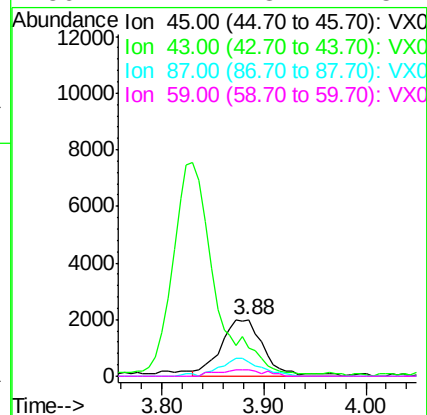
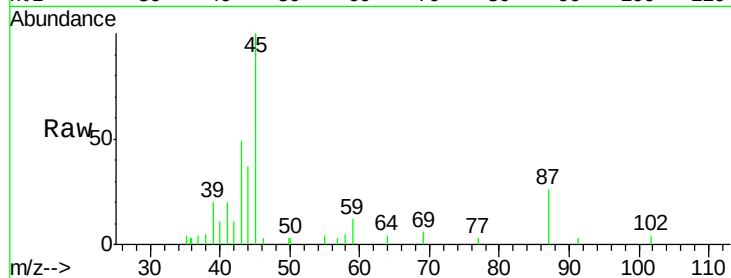




#22
Diisopropyl ether
Concen: 0.56 ug/l
RT: 3.88 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

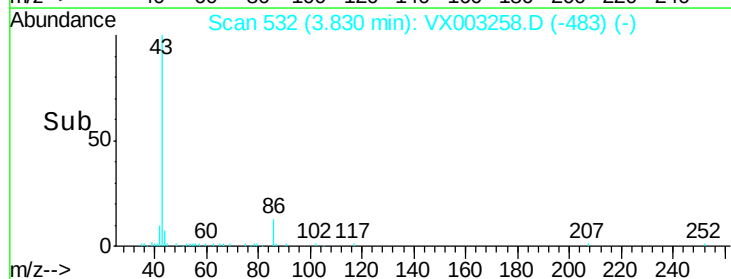
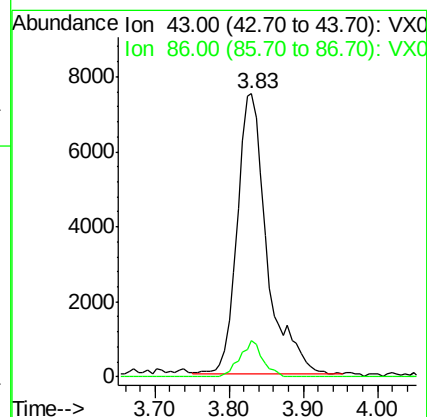
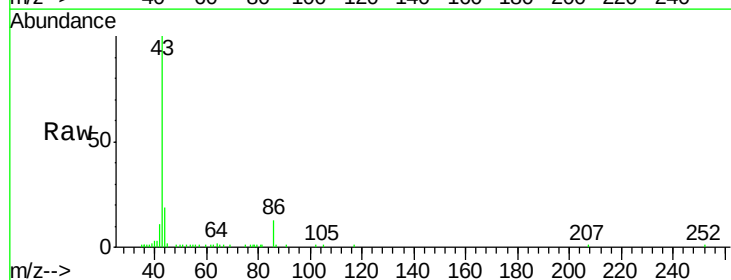
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

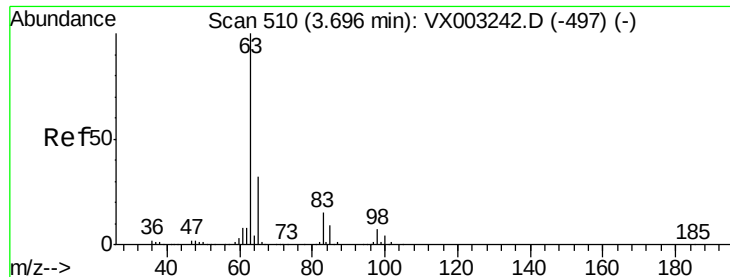
Tot Ion: 45 Resp: 5885
Ion Ratio Lower Upper
45 100
43 44.4 46.8 70.2#
87 25.9 20.2 30.4
59 12.4 8.7 13.1



#23
Vinyl Acetate
Concen: 2.37 ug/l
RT: 3.83 min Scan# 532
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 21026
Ion Ratio Lower Upper
43 100
86 12.9 7.4 11.0#





#24

1,1-Dichloroethane

Concen: 0.55 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

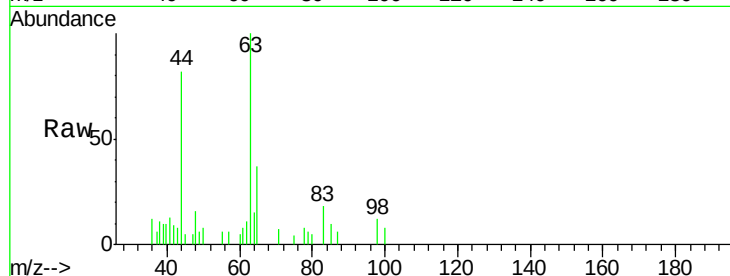
Tot Ion: 63 Resp: 3016

Ion Ratio Lower Upper

63 100

98 11.6 3.4 10.2#

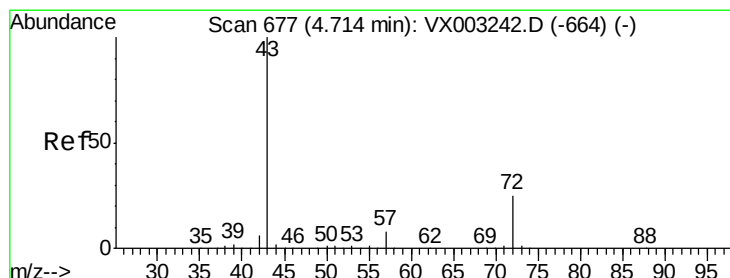
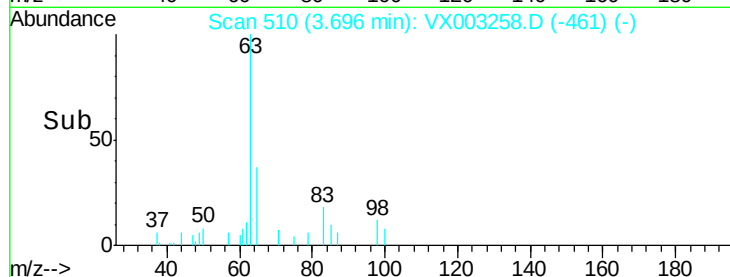
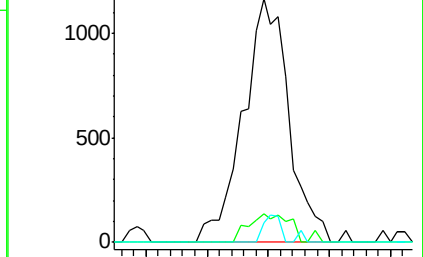
100 7.9 2.0 6.0#



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: 2.71 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003258.D

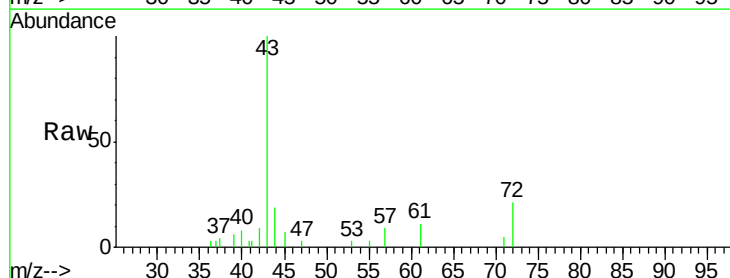
Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 6621

Ion Ratio Lower Upper

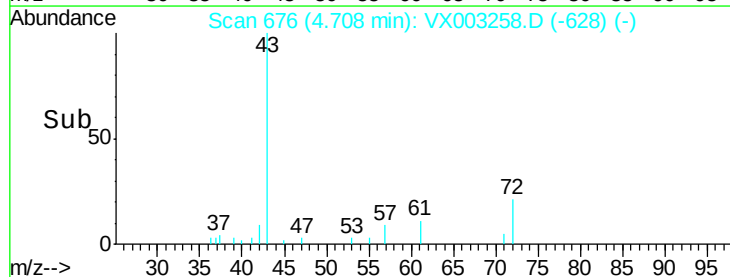
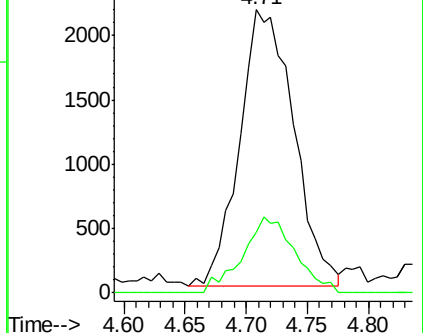
43 100

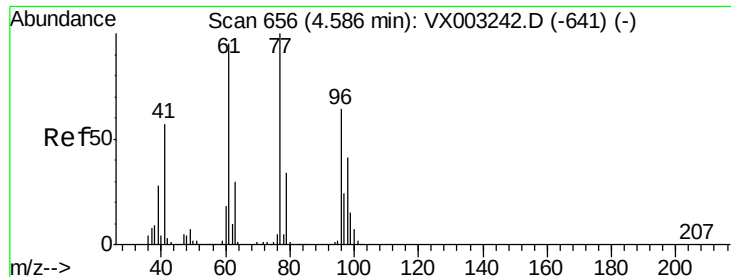
72 21.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.45 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

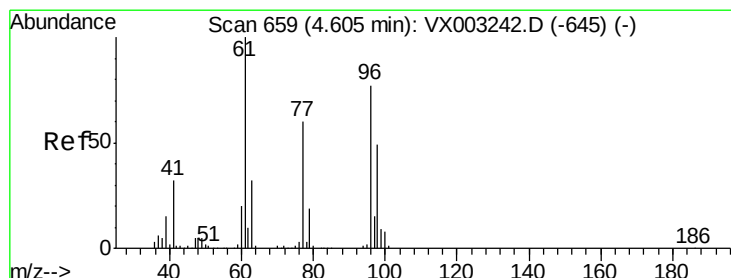
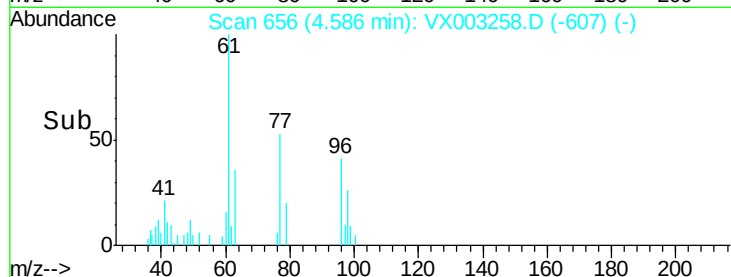
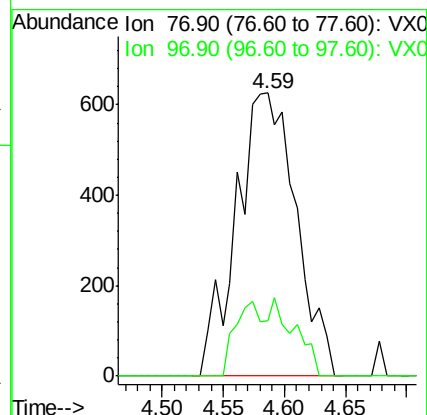
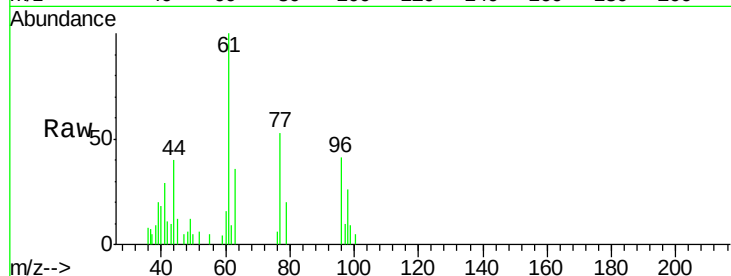
MDL-WATER-03-QT3-2018

Tot Ion: 77 Resp: 2124

Ion Ratio Lower Upper

77 100

97 11.1 11.2 33.5#



#27

cis-1,2-Dichloroethene

Concen: 0.59 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

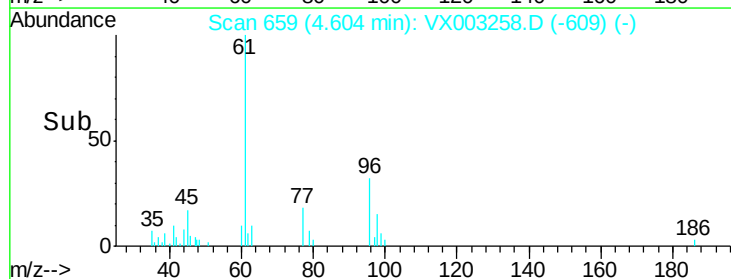
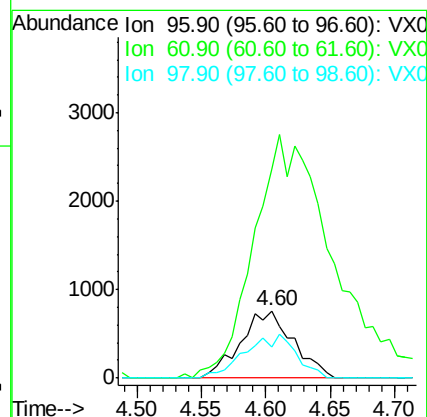
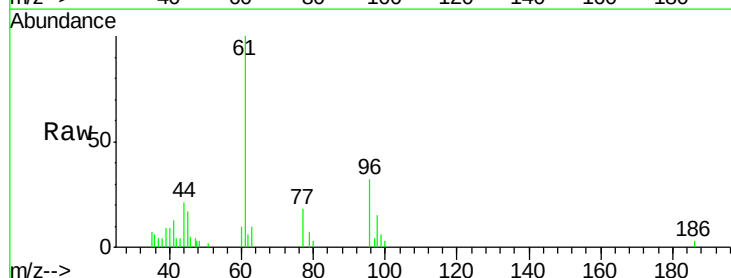
Tgt Ion: 96 Resp: 2146

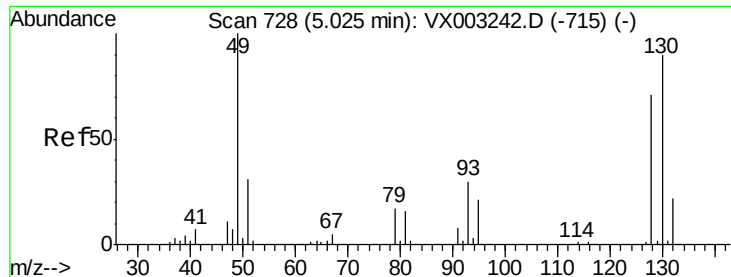
Ion Ratio Lower Upper

96 100

61 243.7 0.0 330.2

98 63.7 0.0 130.2





#28

Bromochloromethane

Concen: 0.63 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

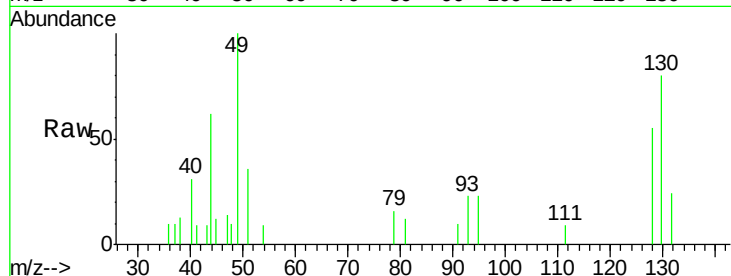
Tot Ion: 49 Resp: 1726

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

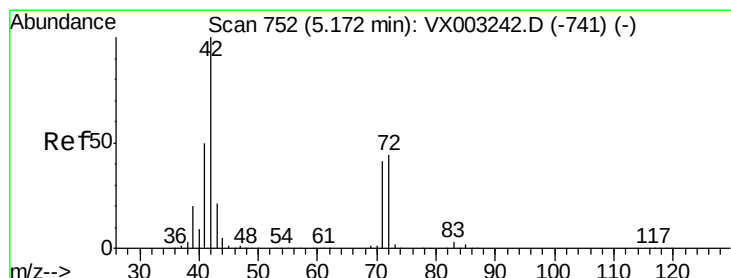
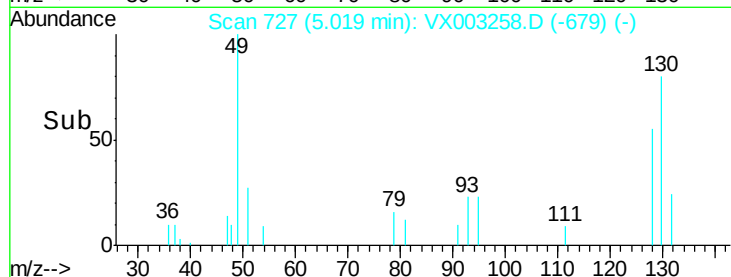
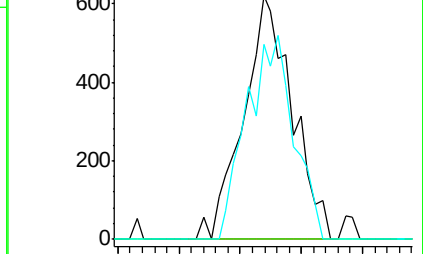
130 80.5 61.2 91.8



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: 3.19 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

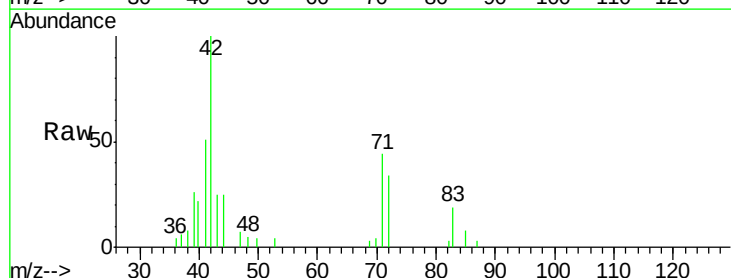
Tgt Ion: 42 Resp: 5056

Ion Ratio Lower Upper

42 100

72 39.8 32.0 48.0

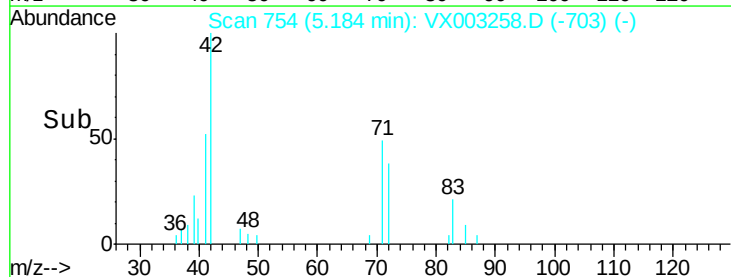
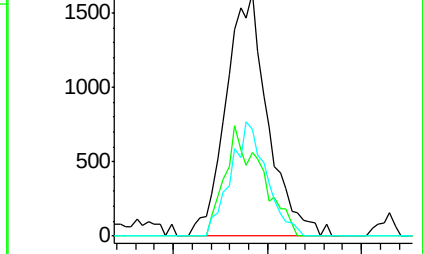
71 40.0 30.1 45.1

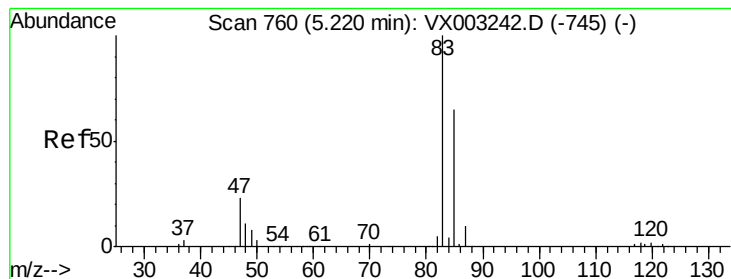


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.56 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

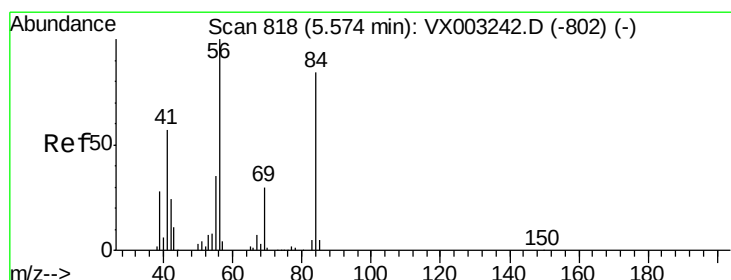
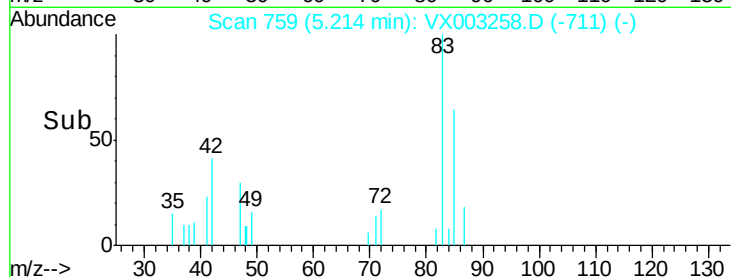
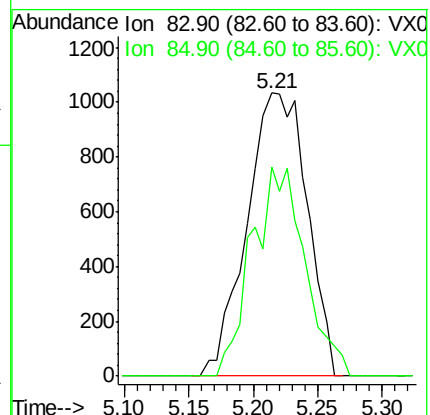
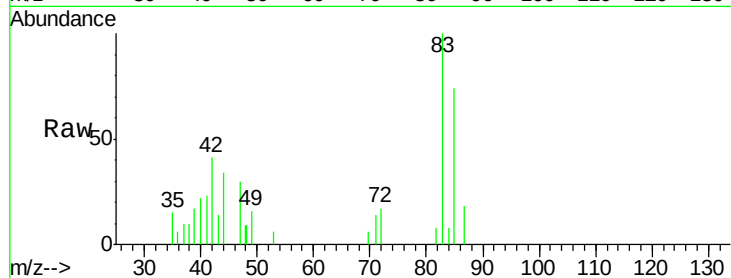
MDL-WATER-03-QT3-2018

Tot Ion: 83 Resp: 3353

Ion Ratio Lower Upper

83 100

85 73.9 50.4 75.6



#31

Cyclohexane

Concen: 0.57 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

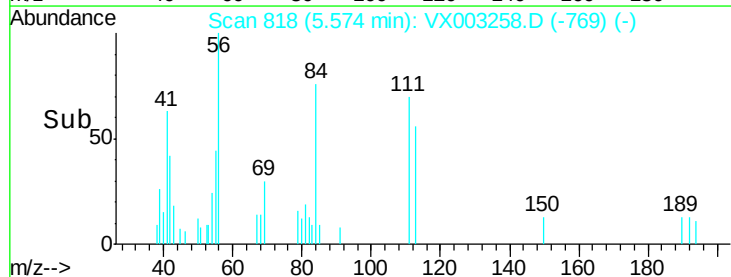
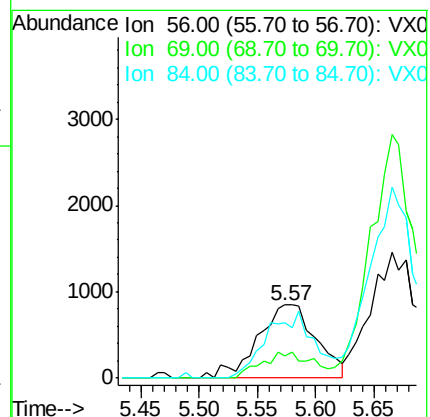
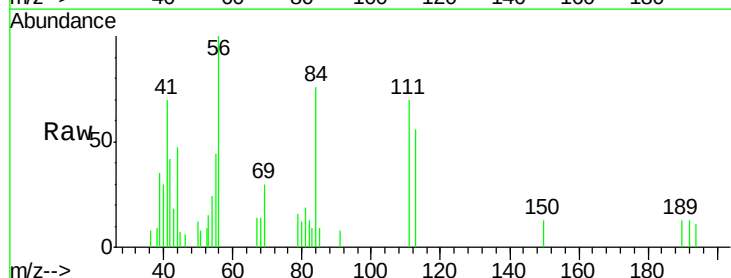
Tgt Ion: 56 Resp: 2931

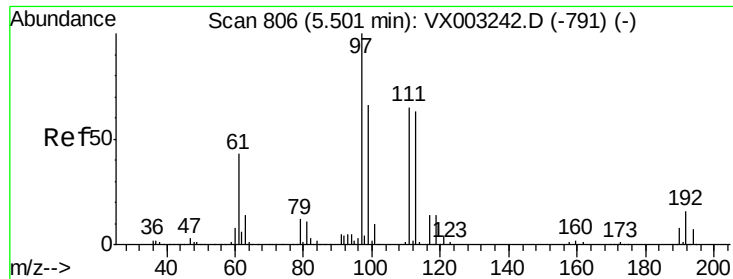
Ion Ratio Lower Upper

56 100

69 29.7 23.7 35.5

84 76.3 64.1 96.1





#32

1,1,1-Trichloroethane

Concen: 0.54 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

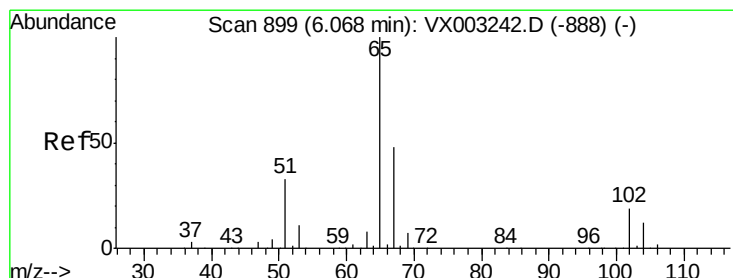
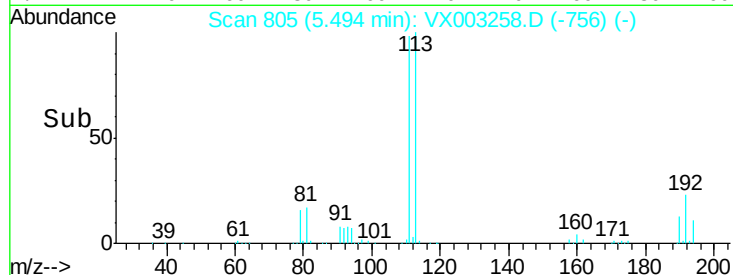
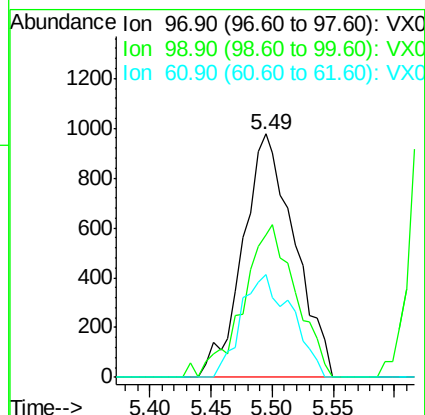
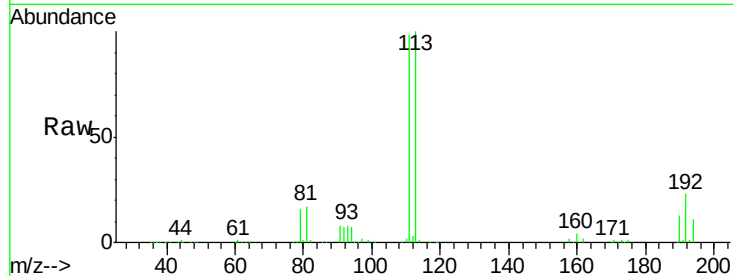
Tot Ion: 97 Resp: 2868

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 41.5 36.4 54.6



#33

1,2-Dichloroethane-d4

Concen: 51.45 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003258.D

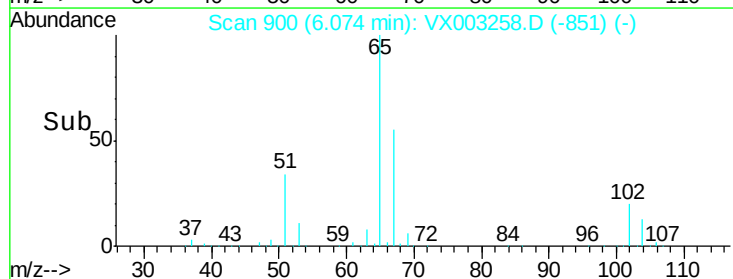
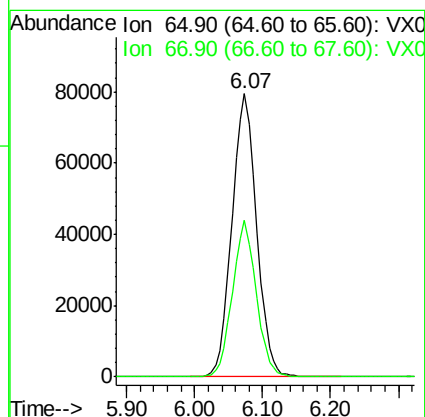
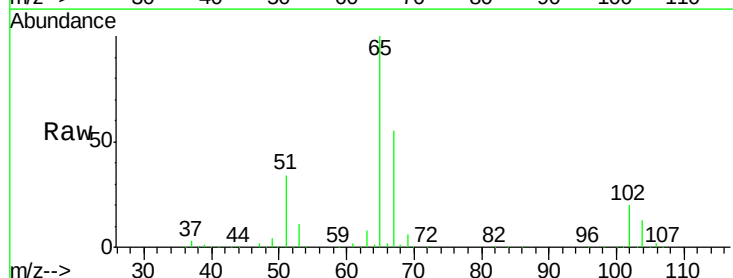
Acq: 09 Jul 2018 21:50

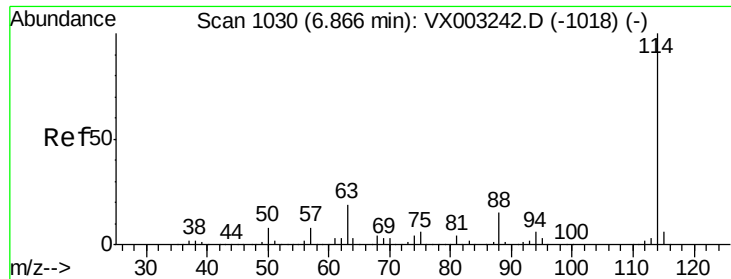
Tgt Ion: 65 Resp: 199989

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

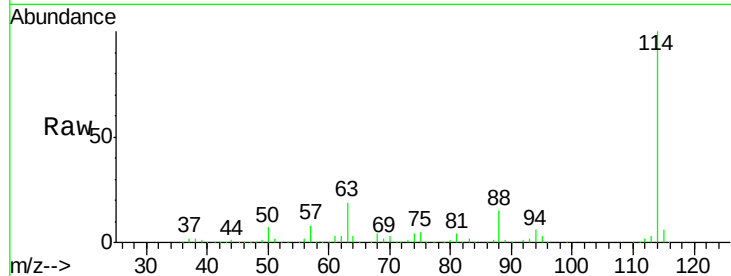
Tot Ion:114 Resp: 321547

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

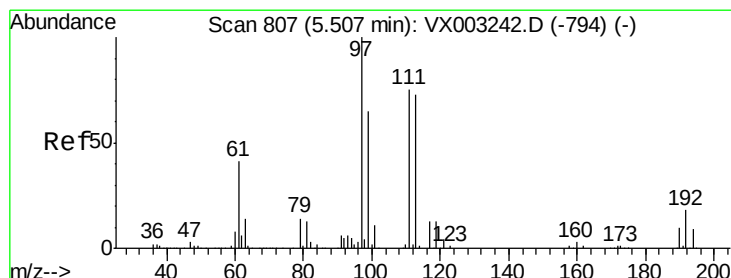
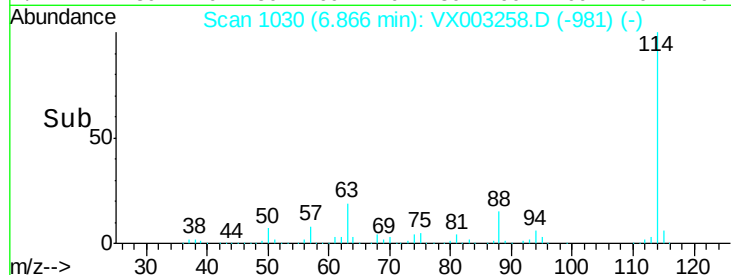
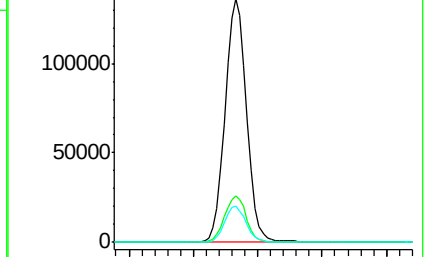
88 14.8 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

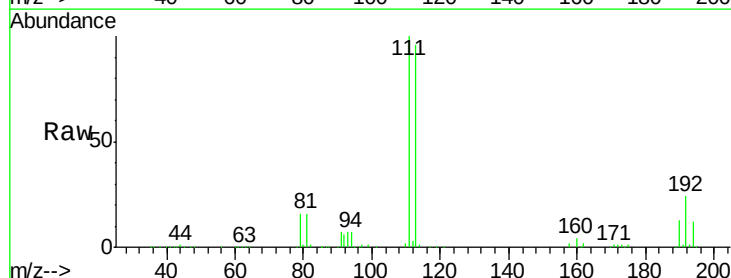
Tgt Ion:113 Resp: 164918

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

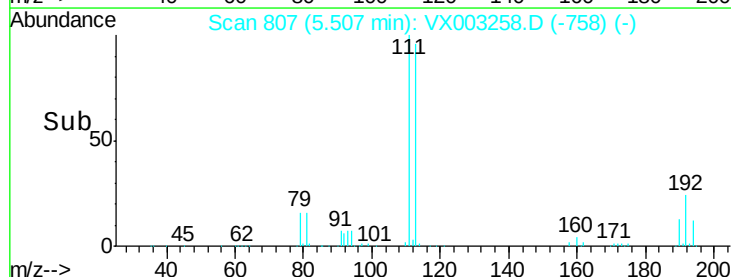
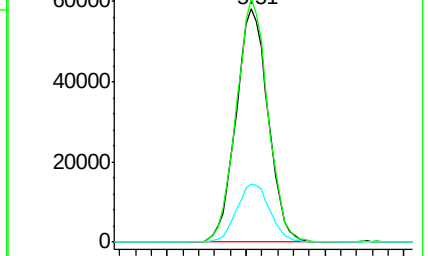
192 25.5 19.1 28.7

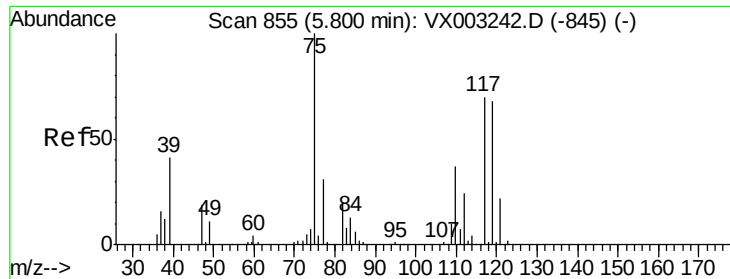


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

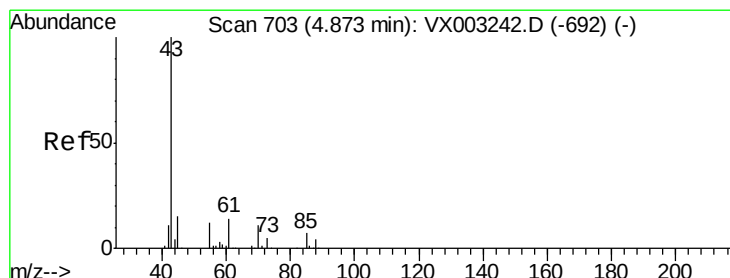
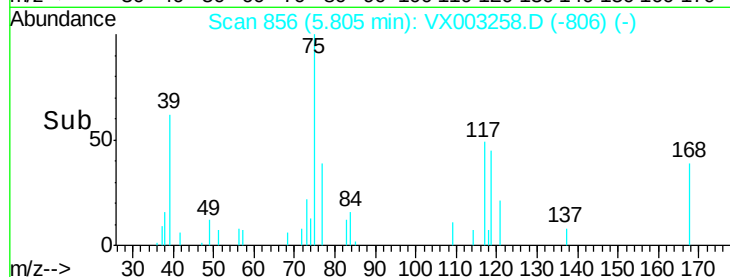
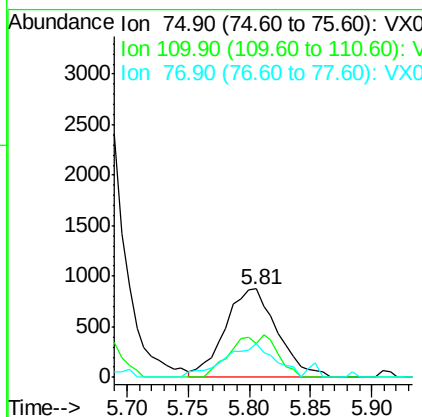
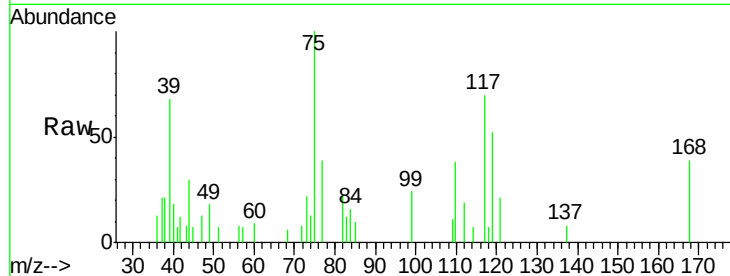




#36
 1,1-Dichloropropene
 Concen: 0.57 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

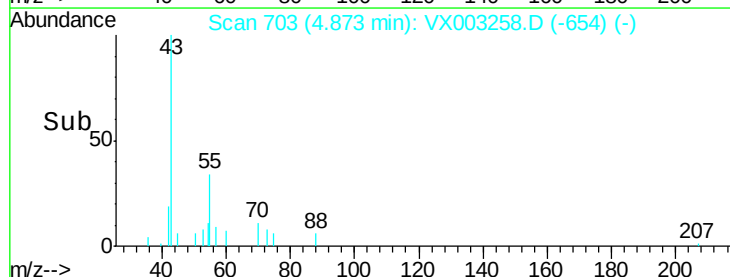
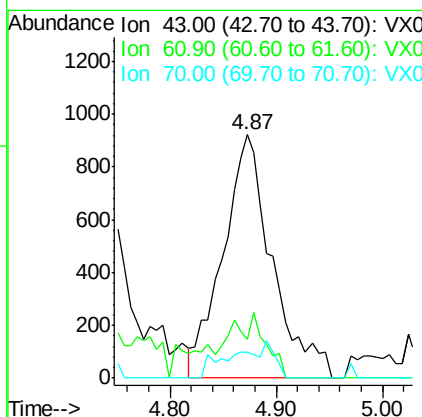
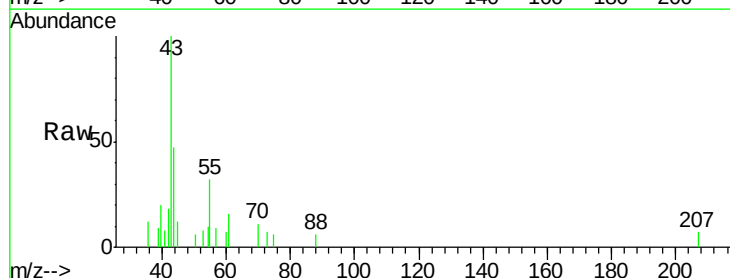
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

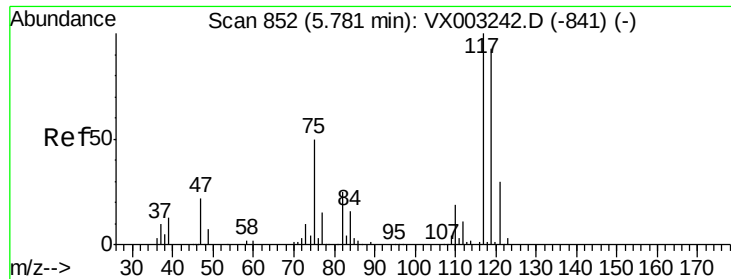
Tot Ion: 75 Resp: 2588
 Ion Ratio Lower Upper
 75 100
 110 43.1 18.1 54.4
 77 36.4 24.3 36.5



#37
 Ethyl Acetate
 Concen: 0.59 ug/l
 RT: 4.87 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 2963
 Ion Ratio Lower Upper
 43 100
 61 4.7 10.4 15.6#
 70 9.1 7.6 11.4





#38

Carbon Tetrachloride

Concen: 0.55 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

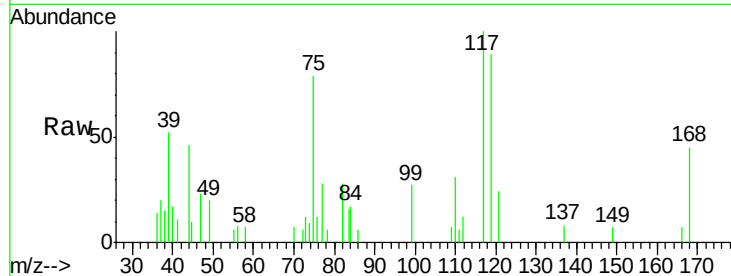
Tot Ion:117 Resp: 2747

Ion Ratio Lower Upper

117 100

119 89.4 77.4 116.0

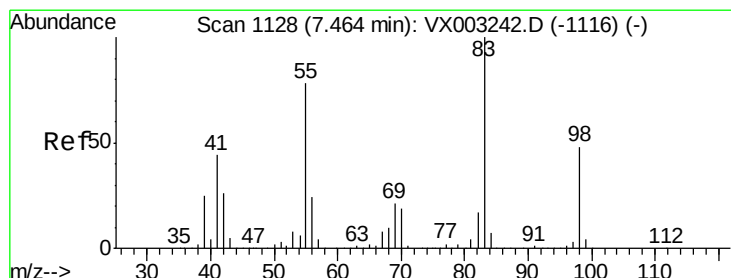
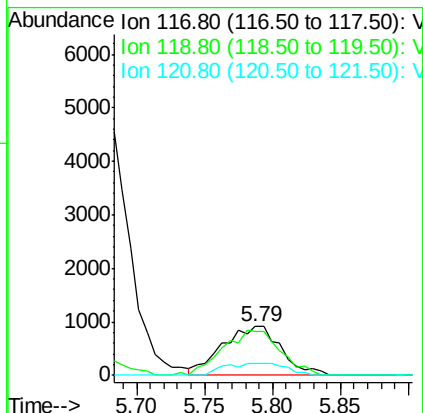
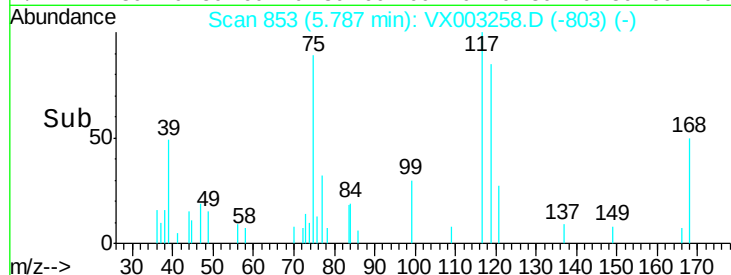
121 23.9 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.54 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

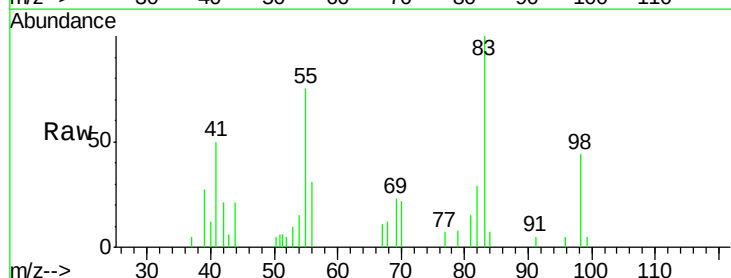
Tgt Ion: 83 Resp: 2893

Ion Ratio Lower Upper

83 100

55 74.8 65.4 98.0

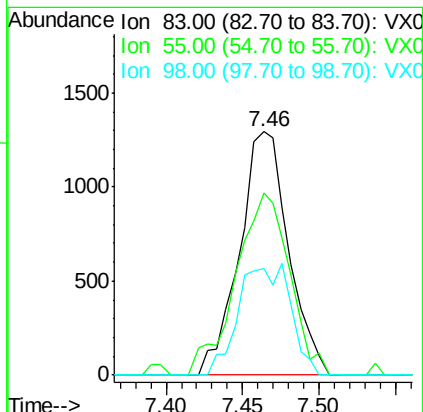
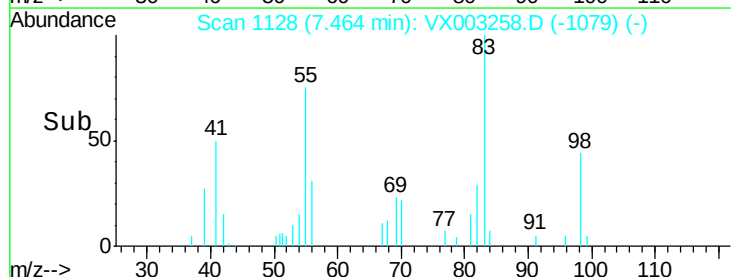
98 43.8 37.4 56.0

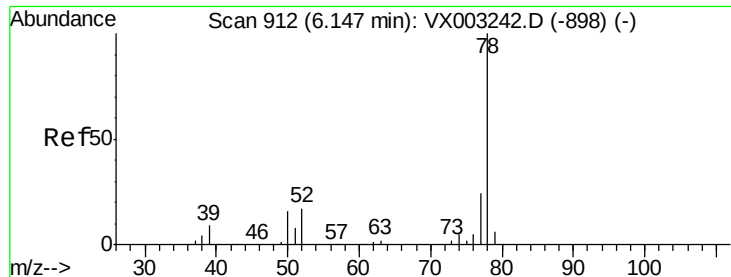


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.51 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

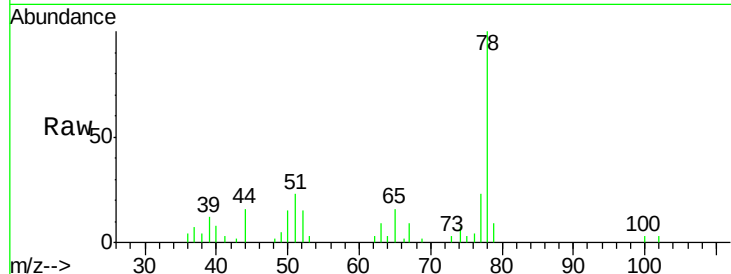
MDL-WATER-03-QT3-2018

Tot Ion: 78 Resp: 6923

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

3000

2500

2000

1500

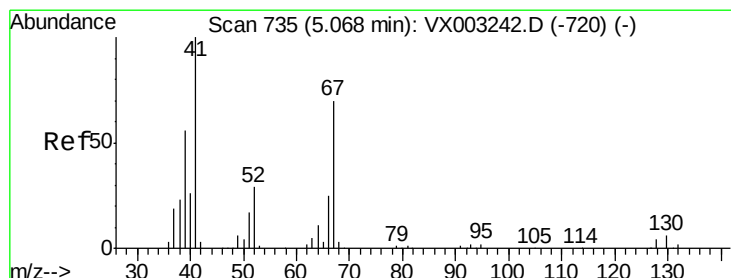
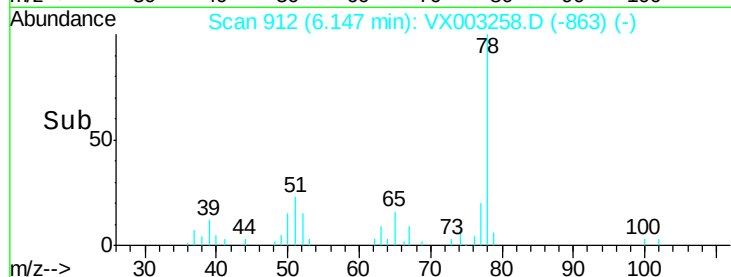
1000

500

0

Time-->

6.05 6.10 6.15 6.20 6.25



#41

Methacrylonitrile

Concen: 0.65 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Tgt Ion: 41 Resp: 1764

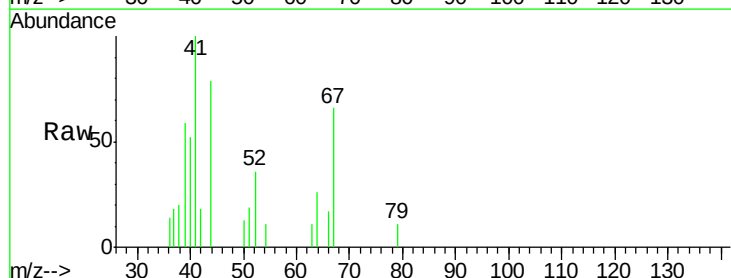
Ion Ratio Lower Upper

41 100

39 0.0 45.8 68.6#

67 62.8 51.3 76.9

52 29.1 23.0 34.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1500

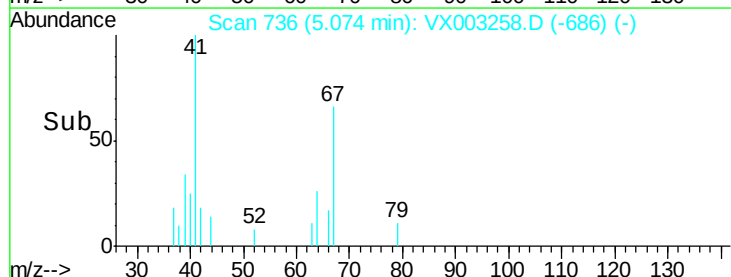
1000

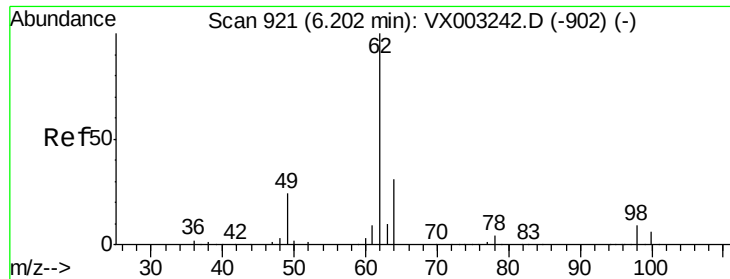
500

0

Time-->

4.95 5.00 5.05 5.10 5.15

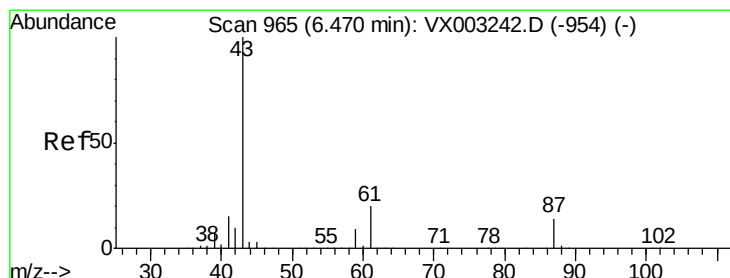
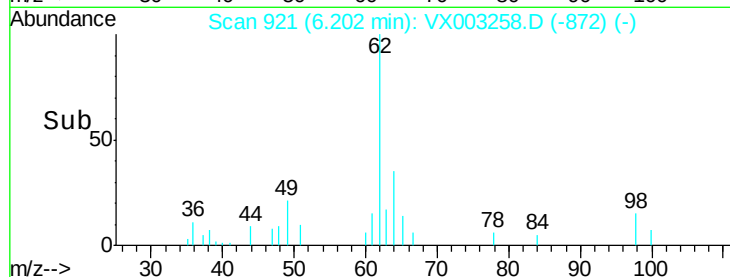
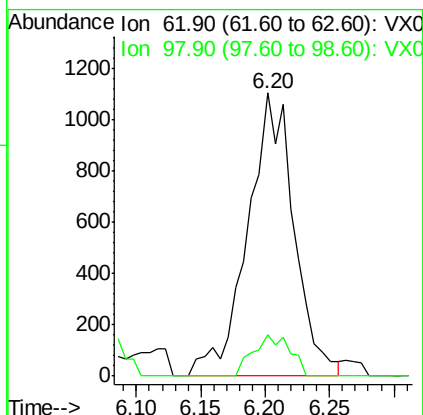
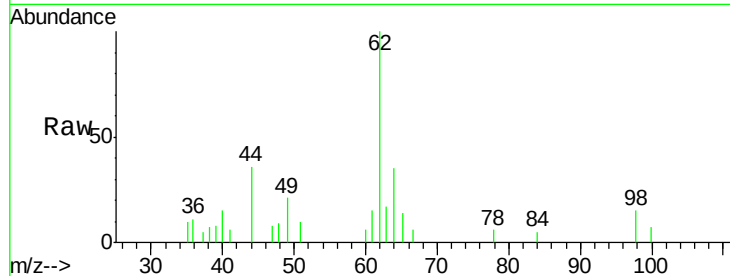




#42
 1,2-Dichloroethane
 Concen: 0.55 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

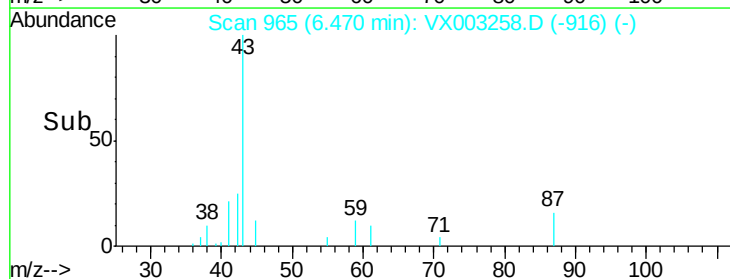
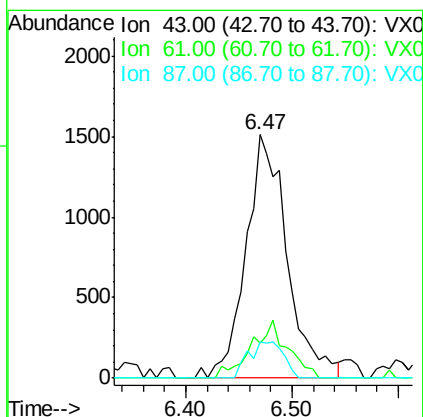
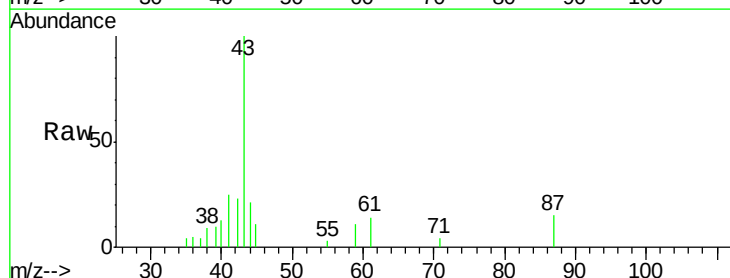
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

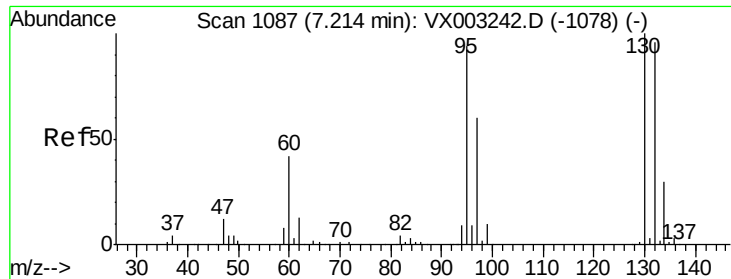
Tot Ion: 62 Resp: 2750
 Ion Ratio Lower Upper
 62 100
 98 11.6 0.0 16.6



#43
 Isopropyl Acetate
 Concen: 0.52 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 4113
 Ion Ratio Lower Upper
 43 100
 61 21.0 14.4 21.6
 87 12.7 9.5 14.3





#44

Trichloroethene

Concen: 0.52 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

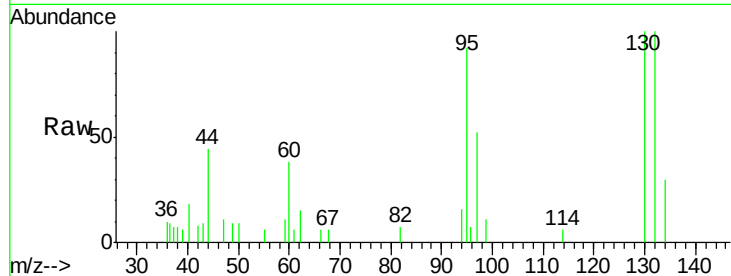
MDL-WATER-03-QT3-2018

Tot Ion:130 Resp: 2076

Ion Ratio Lower Upper

130 100

95 92.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

800

600

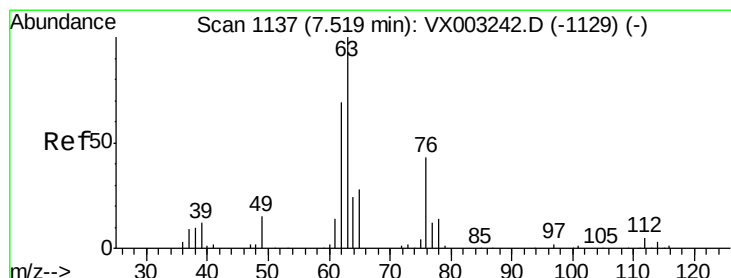
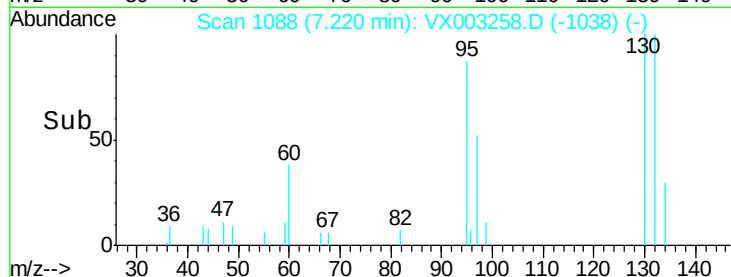
400

200

0

7.15 7.20 7.25 7.30

Time-->



#45

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003258.D

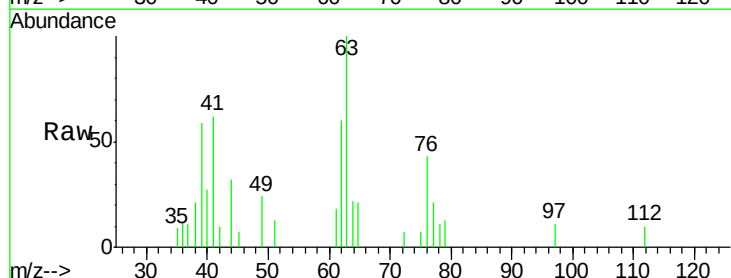
Acq: 09 Jul 2018 21:50

Tgt Ion: 63 Resp: 1783

Ion Ratio Lower Upper

63 100

65 21.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

800

600

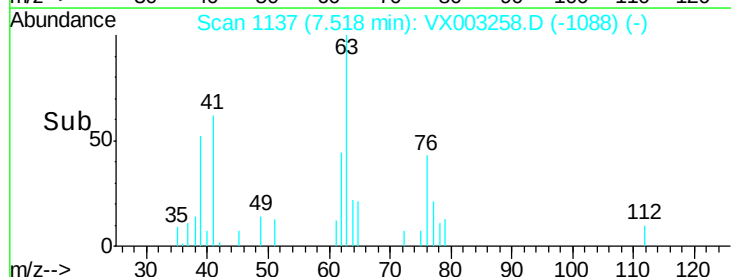
400

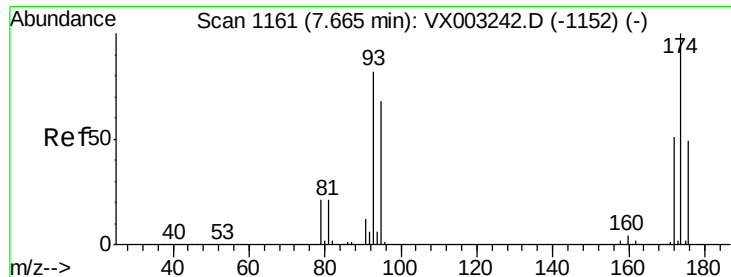
200

0

7.45 7.50 7.55 7.60

Time-->

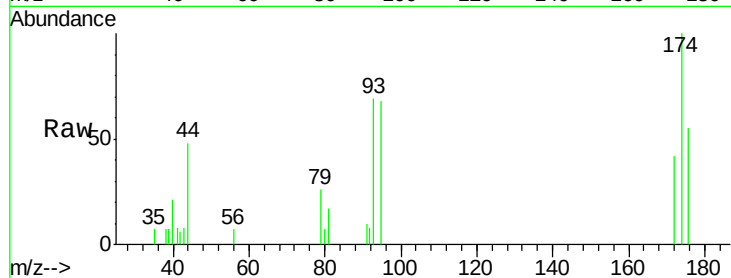




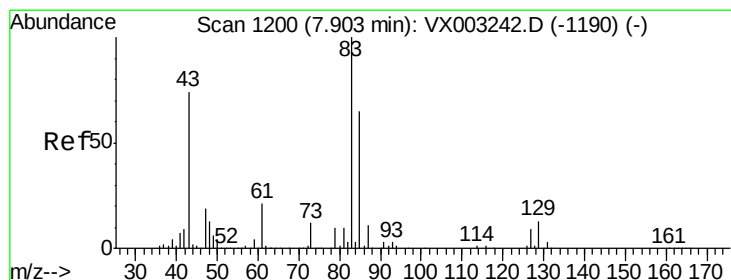
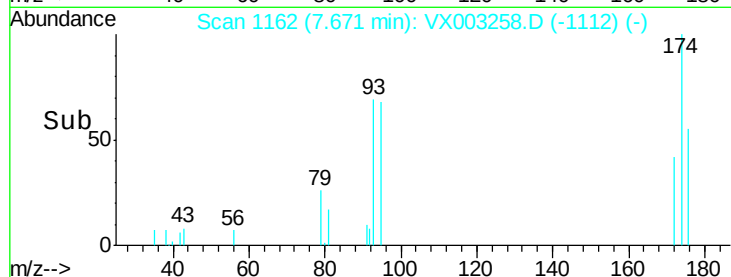
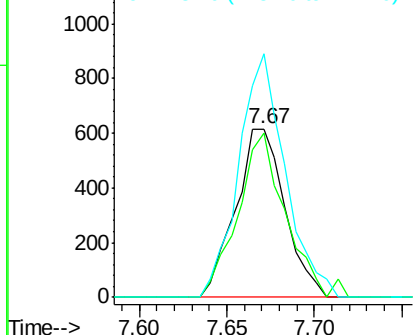
#46
Dibromomethane
Concen: 0.50 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion: 93 Resp: 1205
Ion Ratio Lower Upper
93 100
95 94.5 65.9 98.9
174 136.8 92.4 138.6

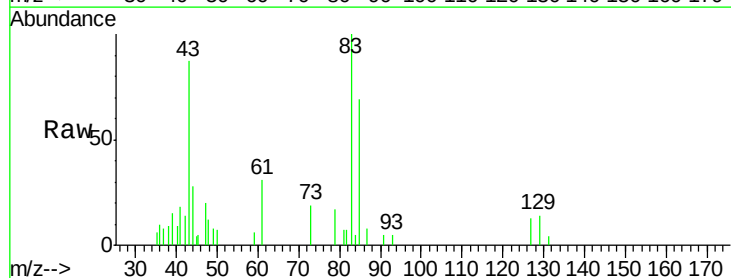


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

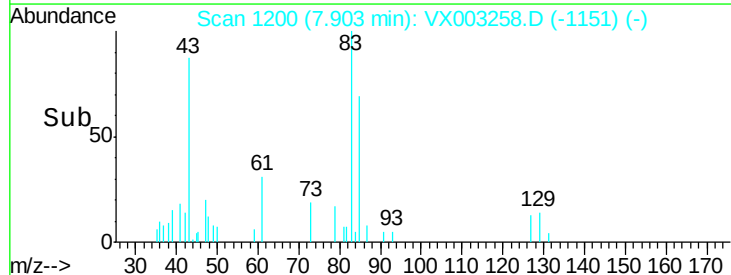
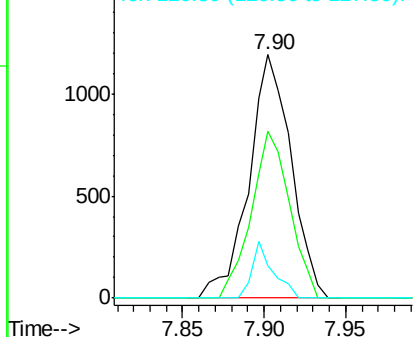


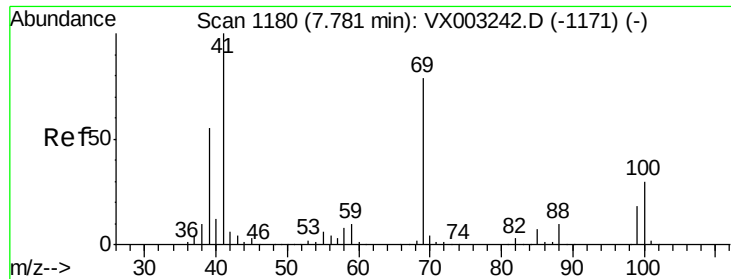
#47
Bromodichloromethane
Concen: 0.49 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 83 Resp: 2147
Ion Ratio Lower Upper
83 100
85 68.7 50.3 75.5
127 13.2 7.0 10.4#



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

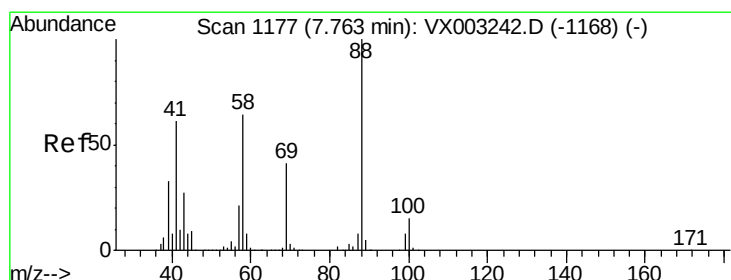
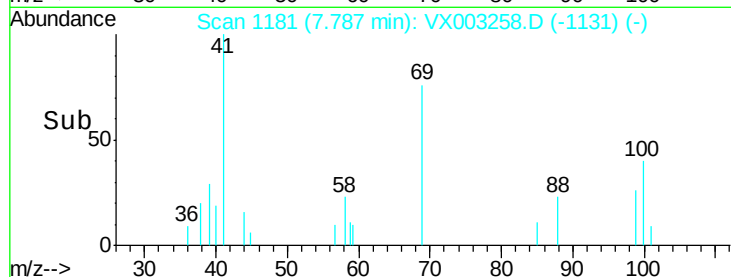
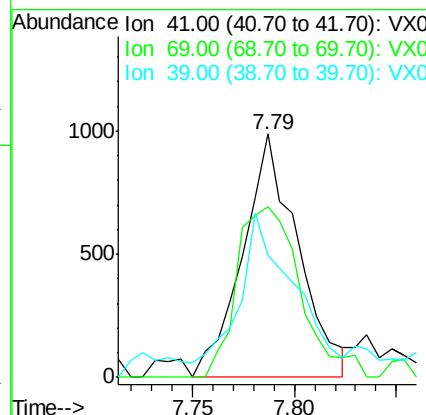
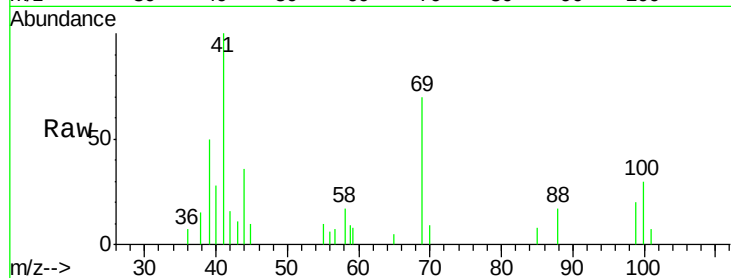




#48
Methvl methacrylate
Concen: 0.46 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

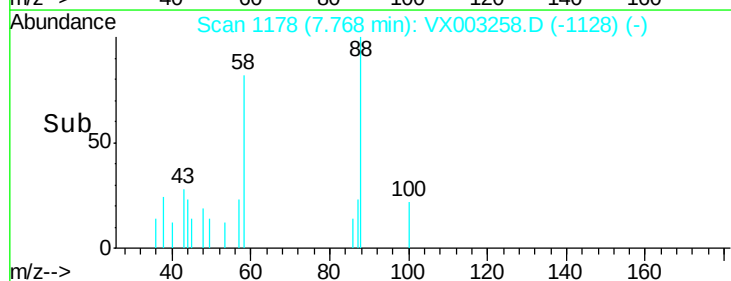
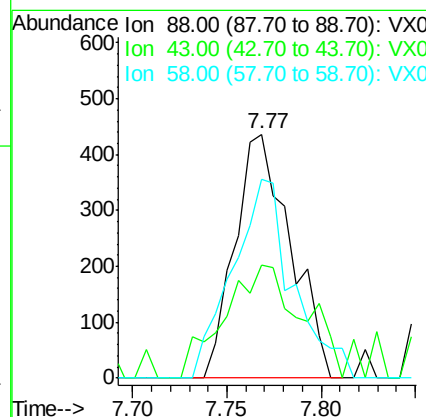
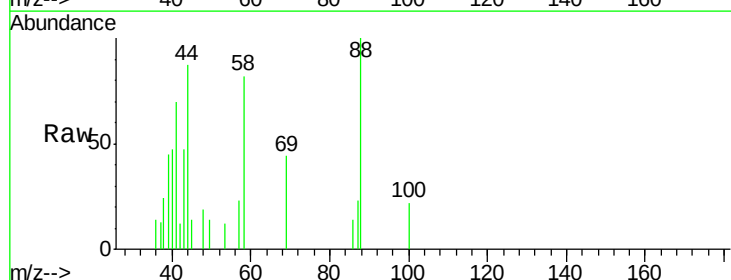
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

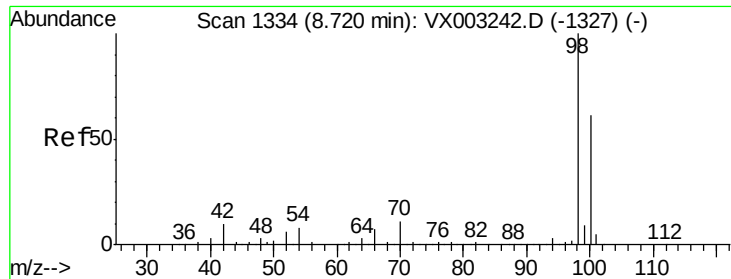
Tot Ion: 41 Resp: 1857
Ion Ratio Lower Upper
41 100
69 80.6 59.1 88.7
39 55.0 48.9 73.3



#49
1,4-Dioxane
Concen: 10.64 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 88 Resp: 894
Ion Ratio Lower Upper
88 100
43 65.2 29.8 44.6#
58 88.5 57.1 85.7#





#50

Toluene-d8

Concen: 48.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

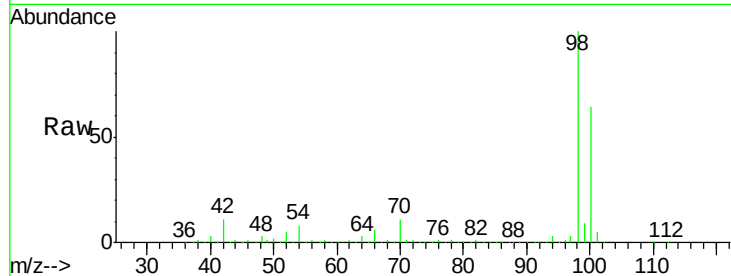
MDL-WATER-03-QT3-2018

Tot Ion: 98 Resp: 593664

Ion Ratio Lower Upper

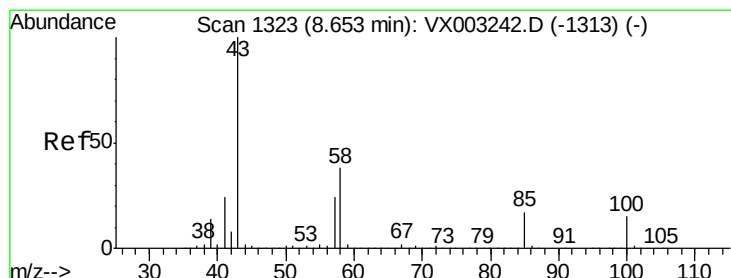
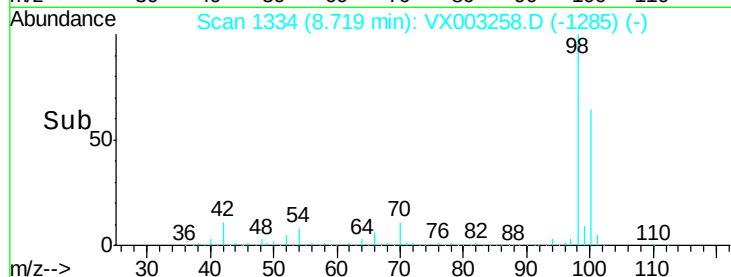
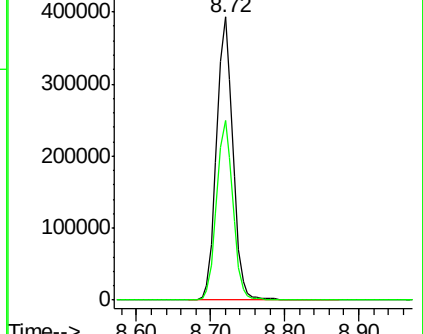
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 2.29 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003258.D

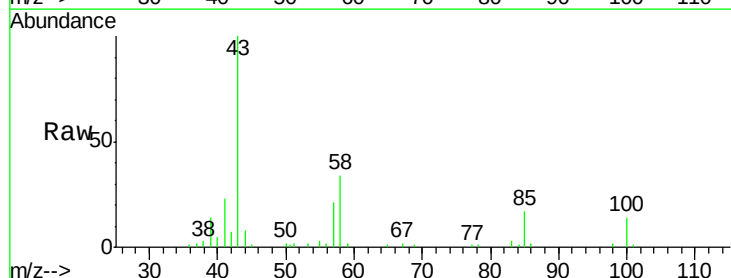
Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 11177

Ion Ratio Lower Upper

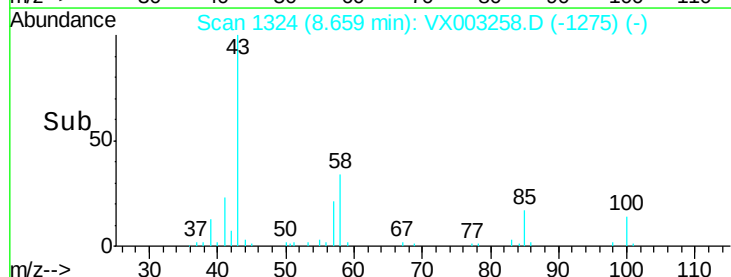
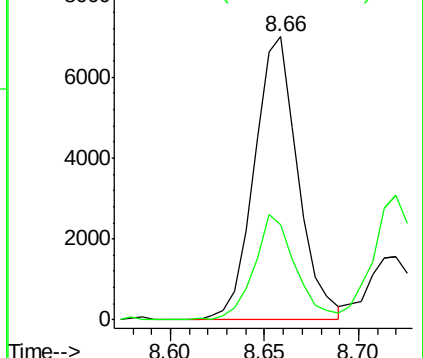
43 100

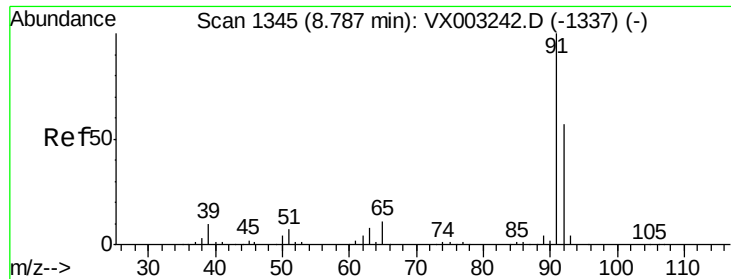
58 35.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

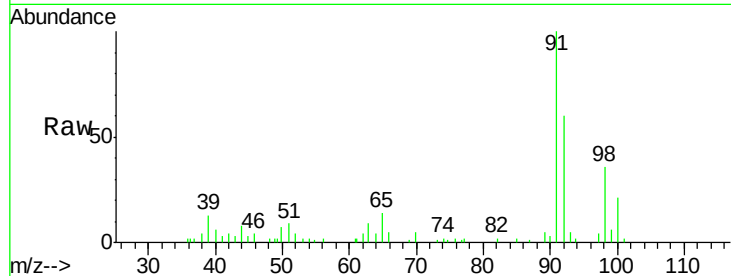
MDL-WATER-03-QT3-2018

Tot Ion: 92 Resp: 4678

Ion Ratio Lower Upper

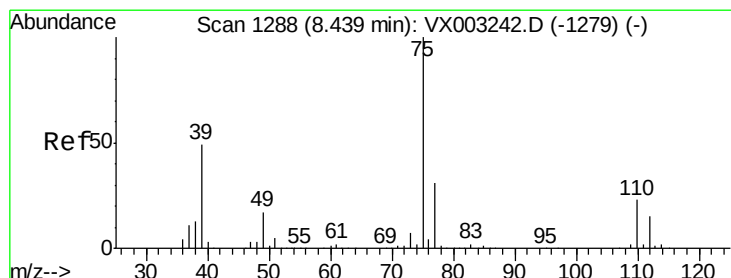
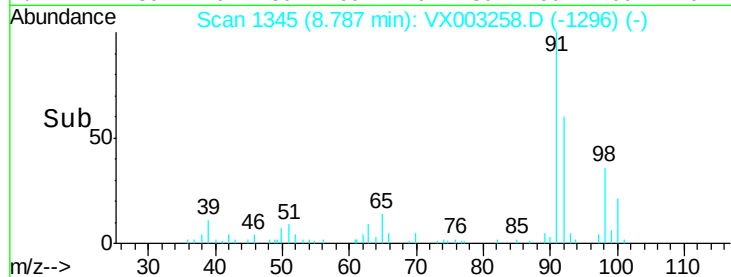
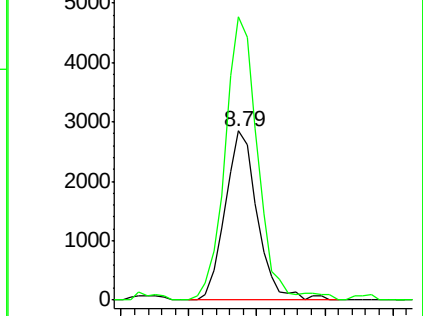
92 100

91 166.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.43 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003258.D

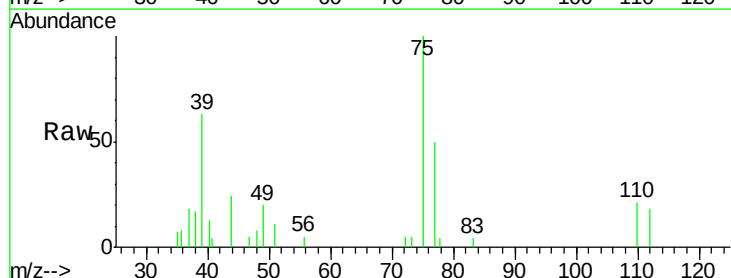
Acq: 09 Jul 2018 21:50

Tgt Ion: 75 Resp: 2235

Ion Ratio Lower Upper

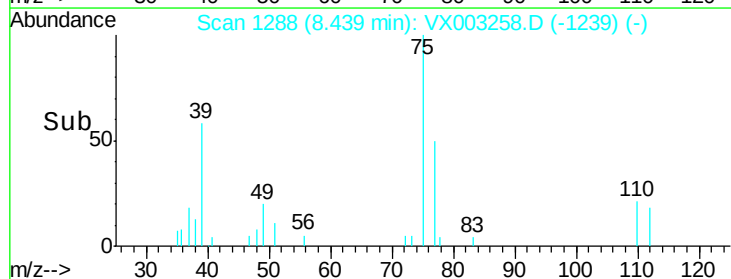
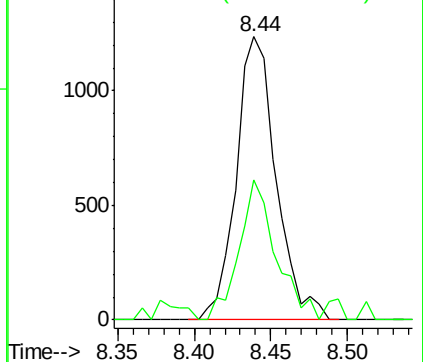
75 100

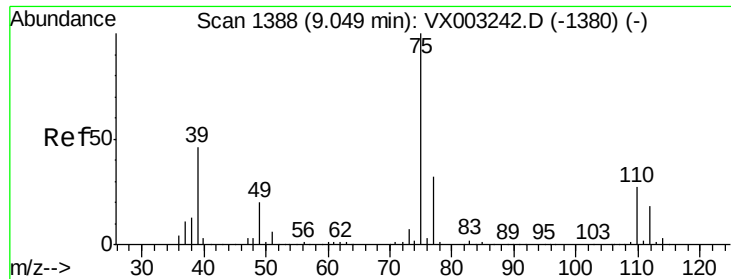
77 45.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



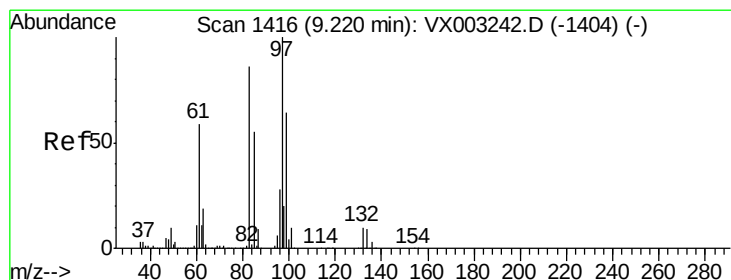
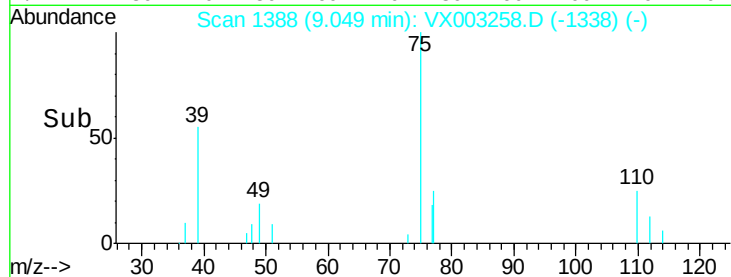
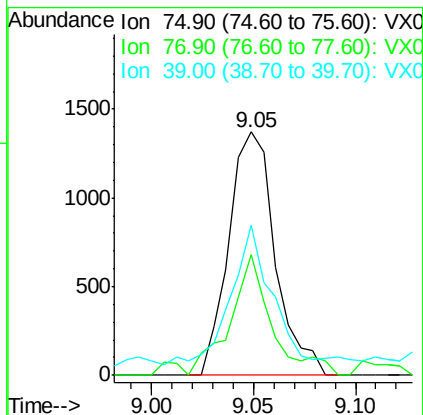
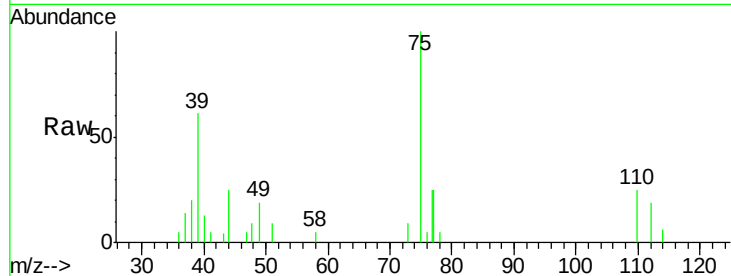


#54

cis-1,3-Dichloropropene
 Concen: 0.46 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

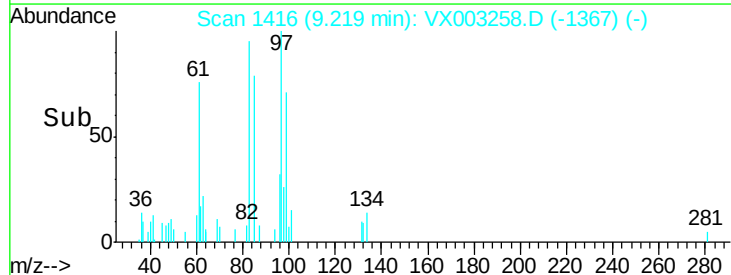
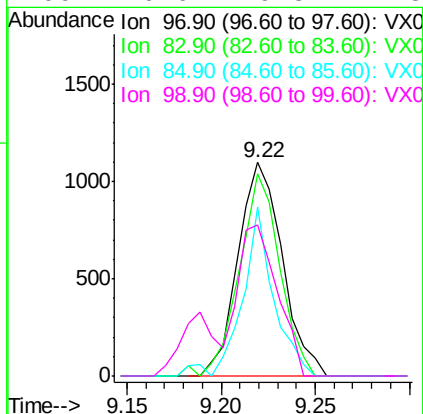
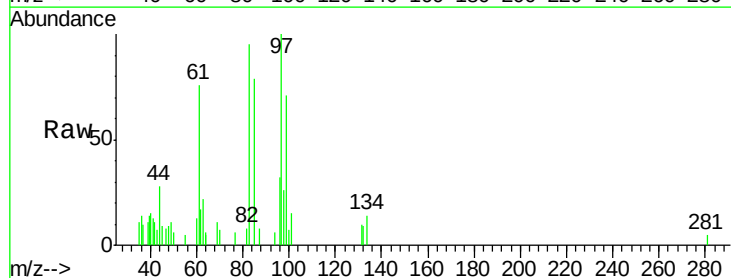
Tot Ion: 75 Resp: 2161
 Ion Ratio Lower Upper
 75 100
 77 49.4 24.8 37.2#
 39 55.2 42.4 63.6

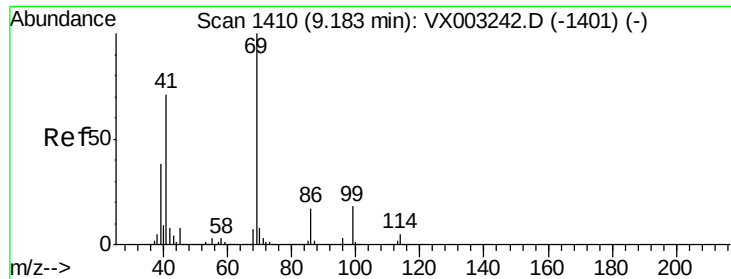


#55

1,1,2-Trichloroethane
 Concen: 0.50 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 97 Resp: 1786
 Ion Ratio Lower Upper
 97 100
 83 95.0 70.2 105.2
 85 79.4 44.9 67.3#
 99 70.6 49.8 74.8





#56

Ethyl methacrylate

Concen: 0.44 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

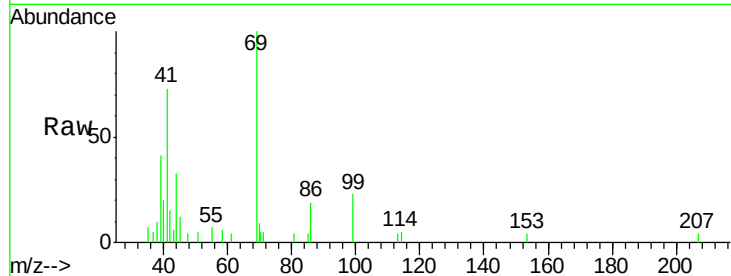
Tot Ion: 69 Resp: 2121

Ion Ratio Lower Upper

69 100

41 82.4 60.3 90.5

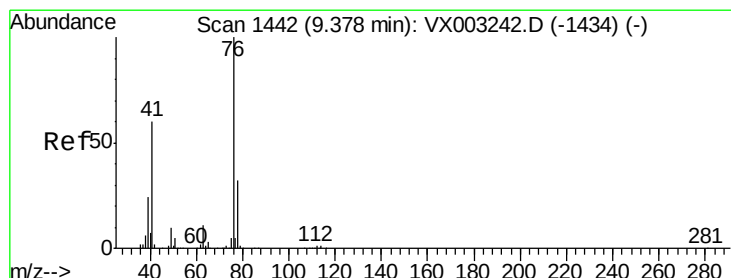
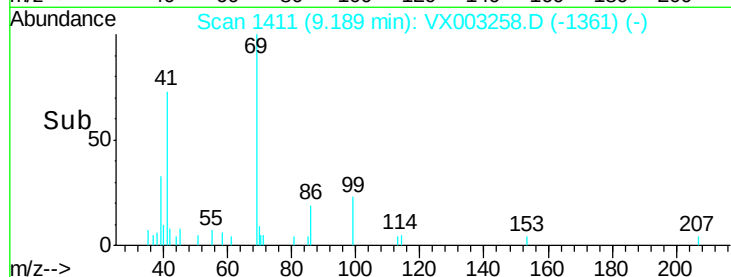
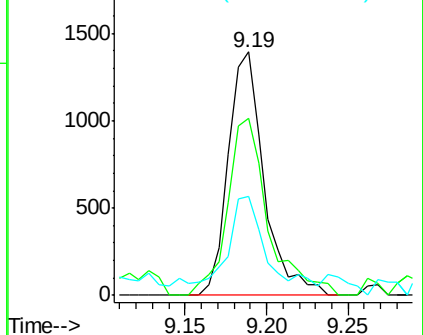
39 35.9 35.8 53.8



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: 0.53 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003258.D

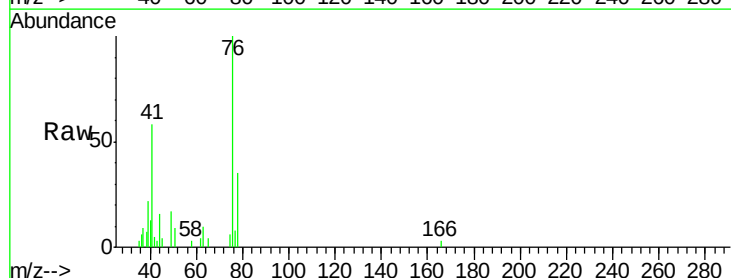
Acq: 09 Jul 2018 21:50

Tgt Ion: 76 Resp: 3018

Ion Ratio Lower Upper

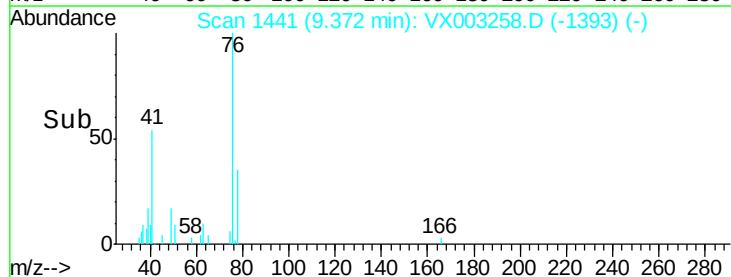
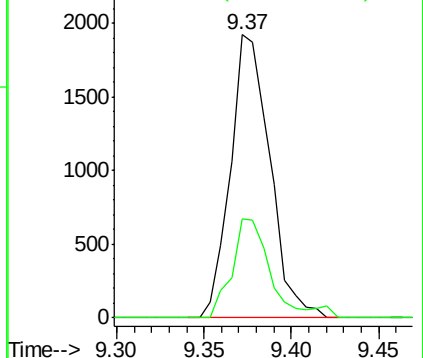
76 100

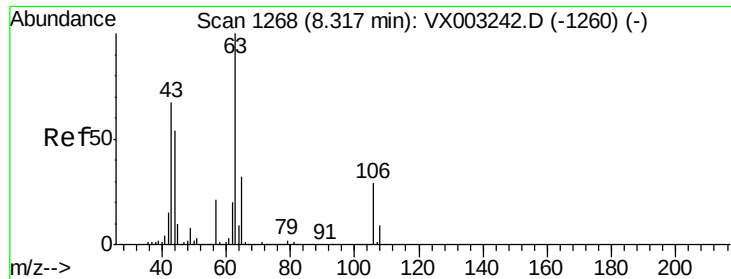
78 34.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

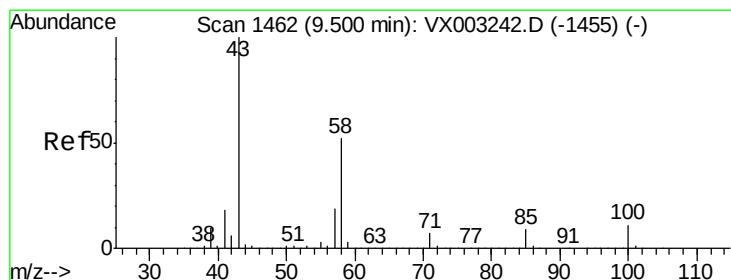
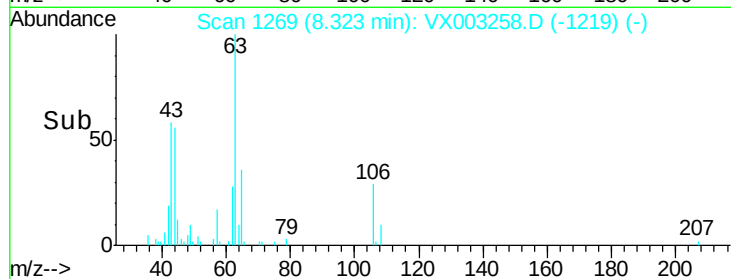
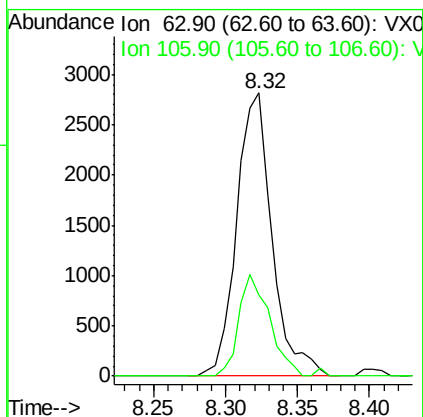
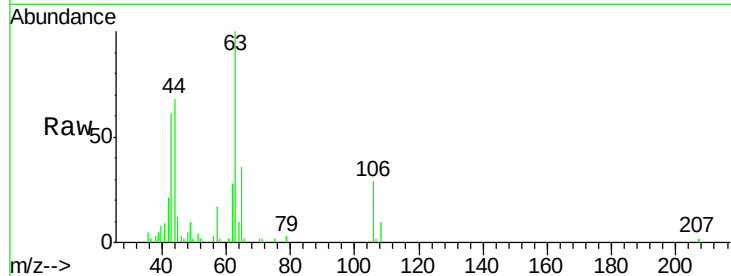




#58
2-Chloroethyl Vinyl ether
Concen: 2.05 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

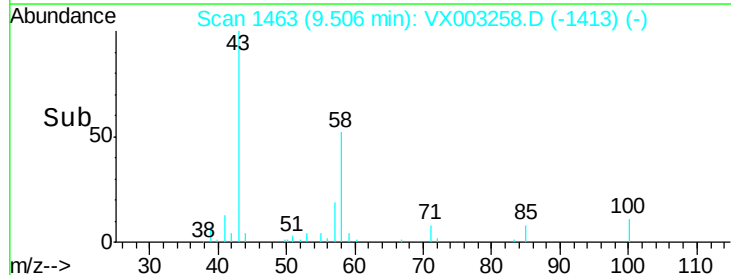
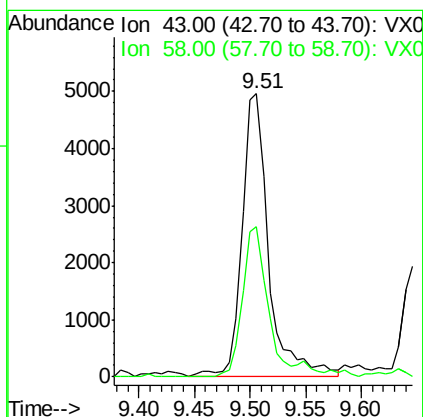
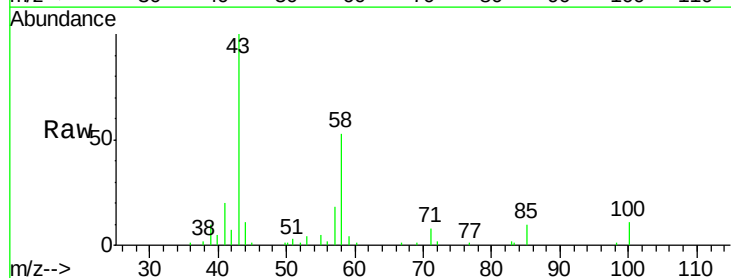
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

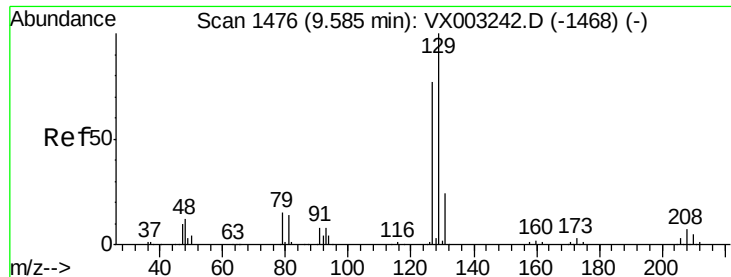
Tot Ion: 63 Resp: 4803
Ion Ratio Lower Upper
63 100
106 31.2 21.8 32.8



#59
2-Hexanone
Concen: 2.23 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 43 Resp: 8249
Ion Ratio Lower Upper
43 100
58 52.4 24.6 73.6





#60

Dibromochloromethane

Concen: 0.42 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

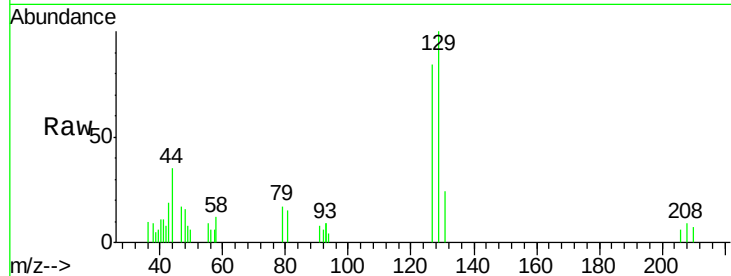
MDL-WATER-03-QT3-2018

Tot Ion:129 Resp: 1551

Ion Ratio Lower Upper

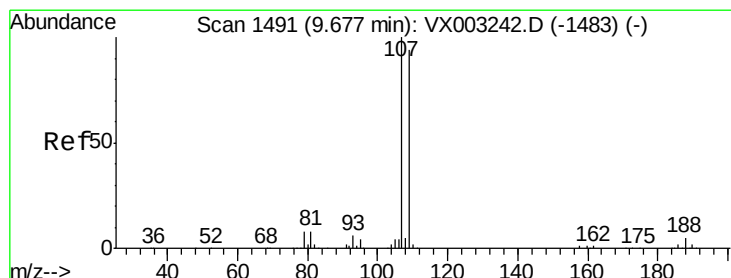
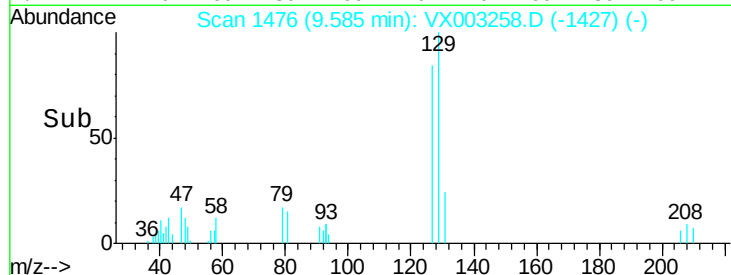
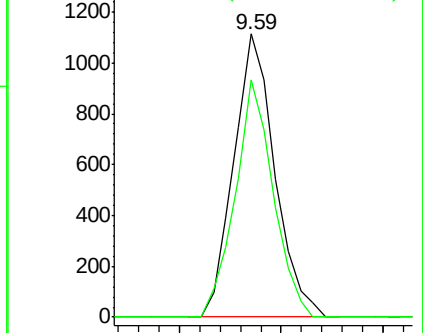
129 100

127 77.4 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.48 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003258.D

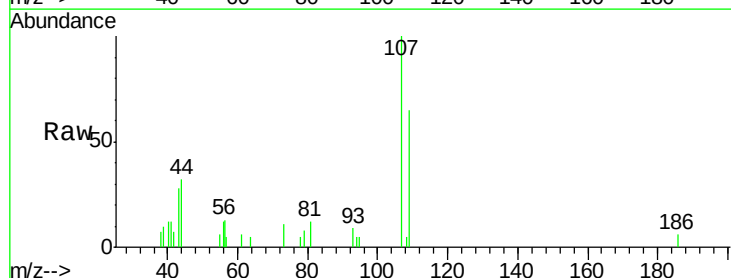
Acq: 09 Jul 2018 21:50

Tgt Ion:107 Resp: 1777

Ion Ratio Lower Upper

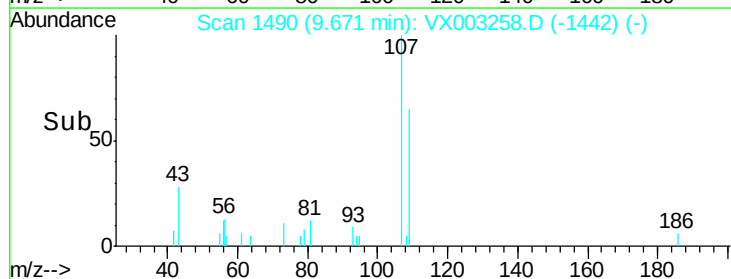
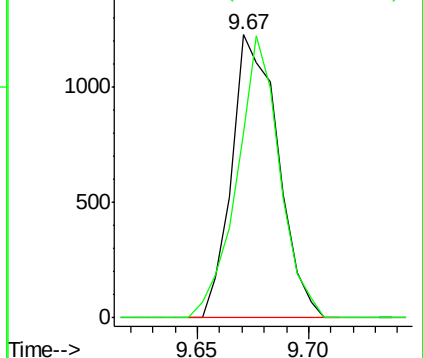
107 100

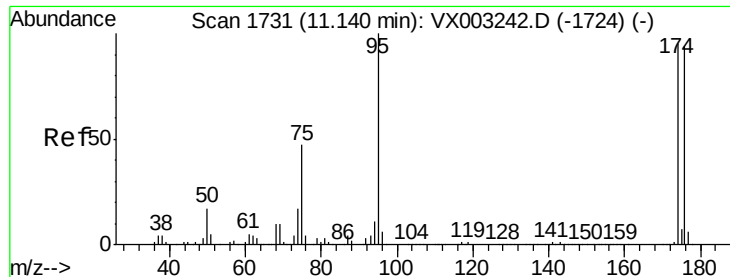
109 92.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

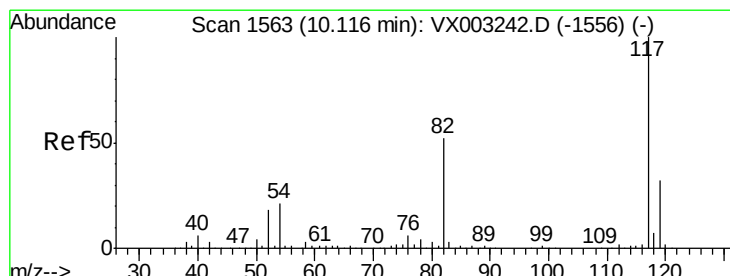
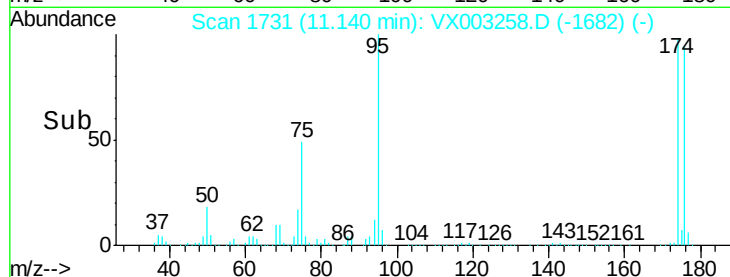
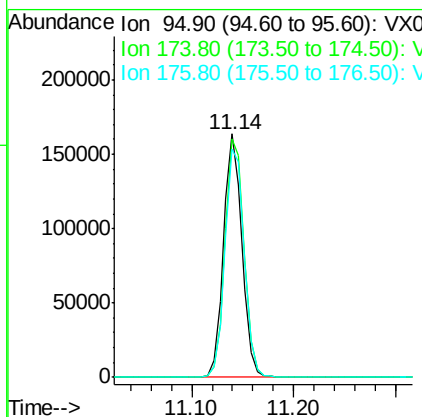
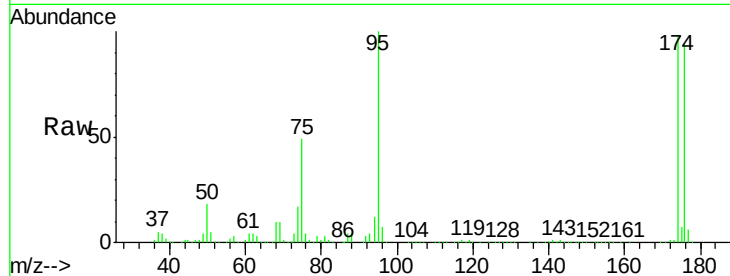




#62
4-Bromofluorobenzene
Concen: 45.14 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

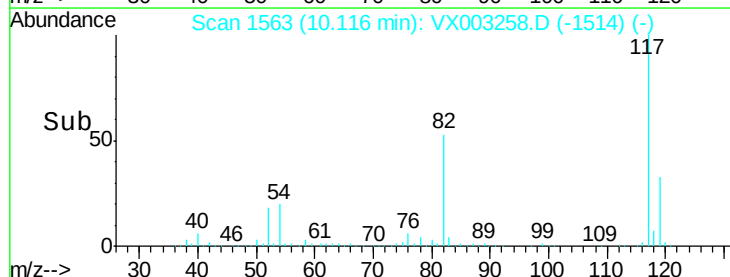
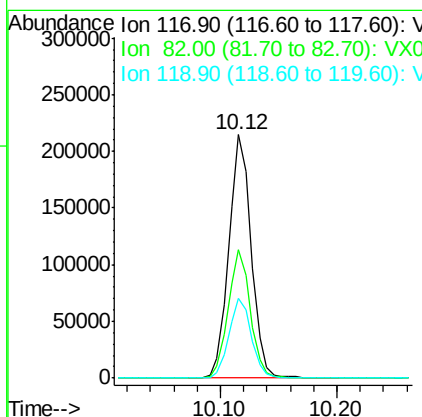
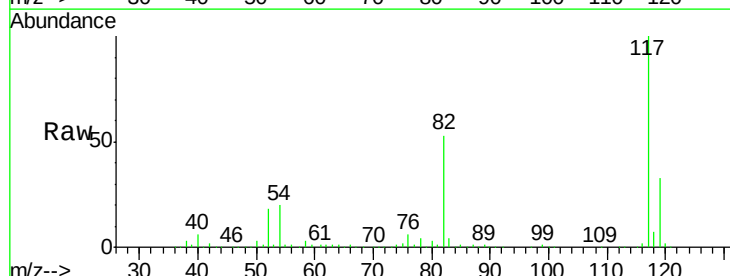
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

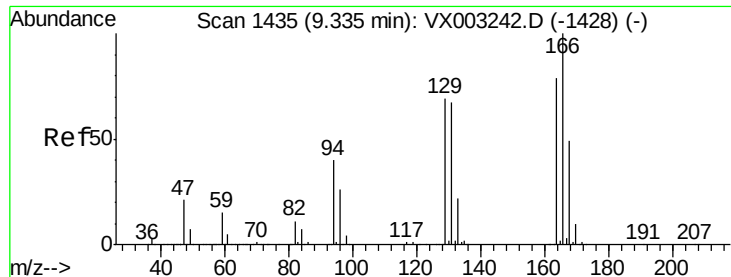
Tot Ion: 95 Resp: 204643
Ion Ratio Lower Upper
95 100
174 101.2 0.0 187.4
176 97.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 117 Resp: 287330
Ion Ratio Lower Upper
117 100
82 52.7 45.0 67.4
119 32.7 25.8 38.6

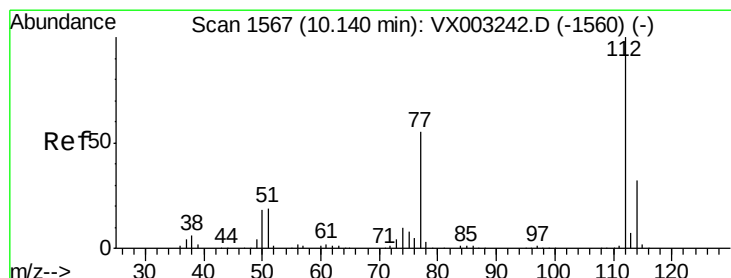
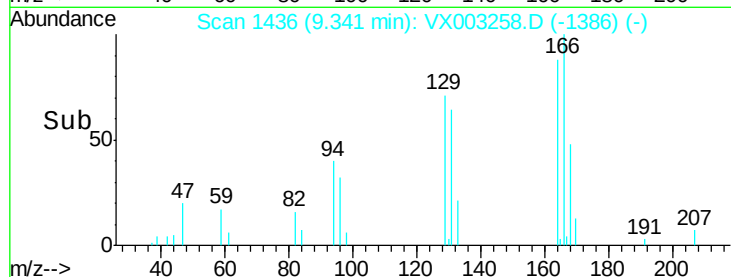
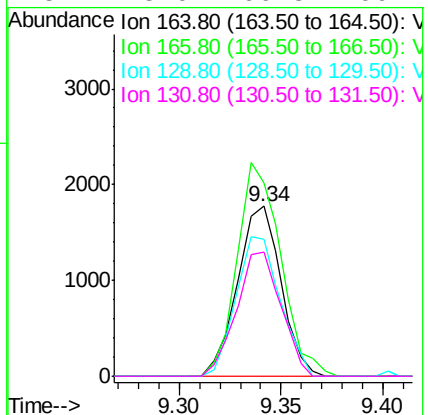
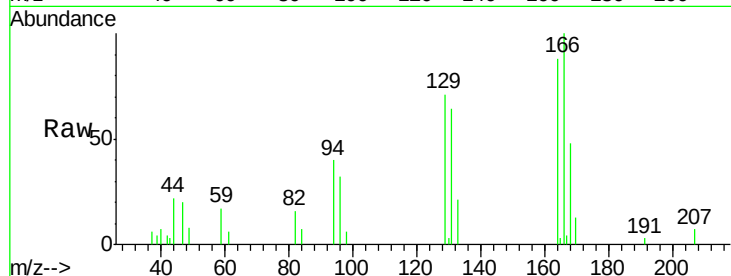




#64
Tetrachloroethene
Concen: 0.61 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

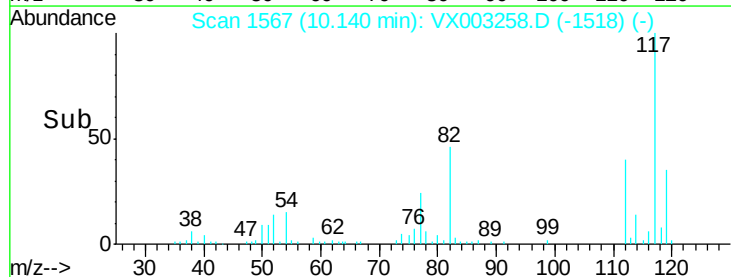
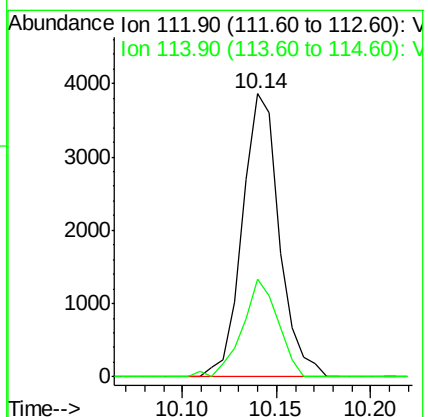
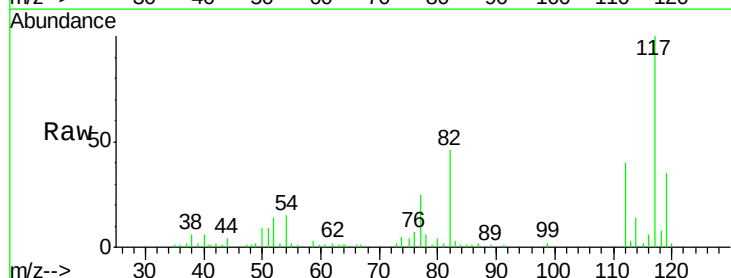
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

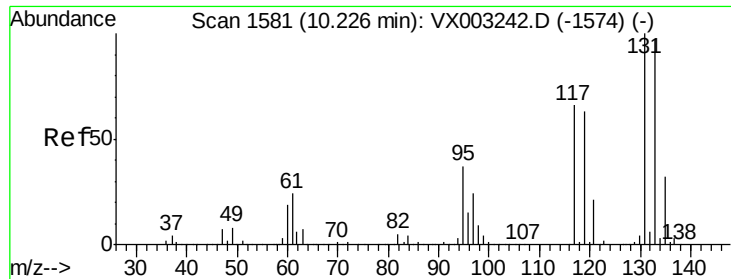
Tot Ion:164 Resp: 2631
Ion Ratio Lower Upper
164 100
166 114.0 102.9 154.3
129 80.5 68.6 102.8
131 73.0 66.8 100.2



#65
Chlorobenzene
Concen: 0.54 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion:112 Resp: 5253
Ion Ratio Lower Upper
112 100
114 34.6 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 0.48 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

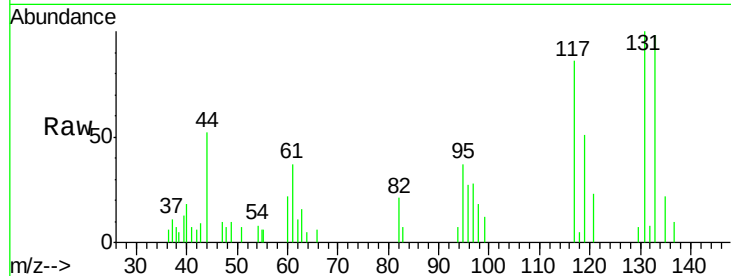
Tot Ion:131 Resp: 1689

Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.6

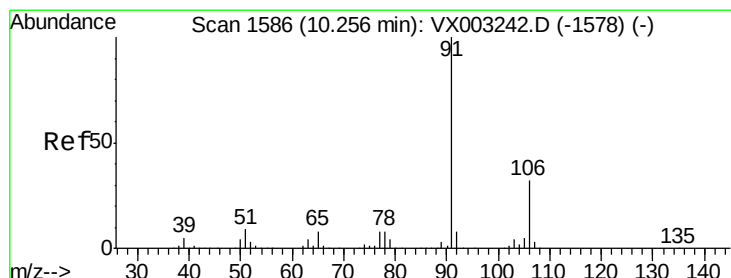
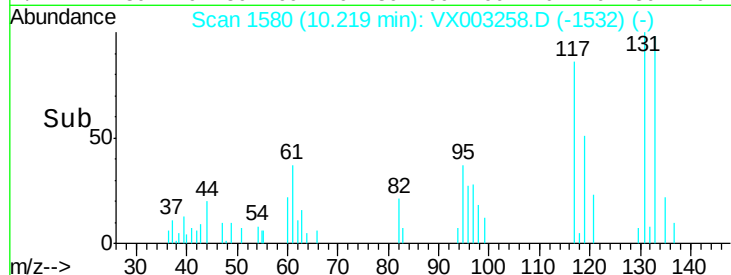
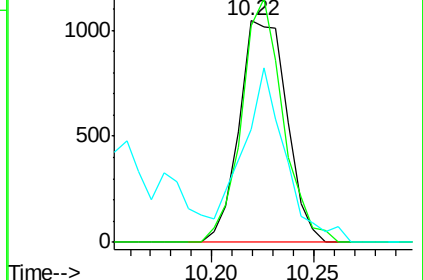
119 0.0 31.8 95.3#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.47 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003258.D

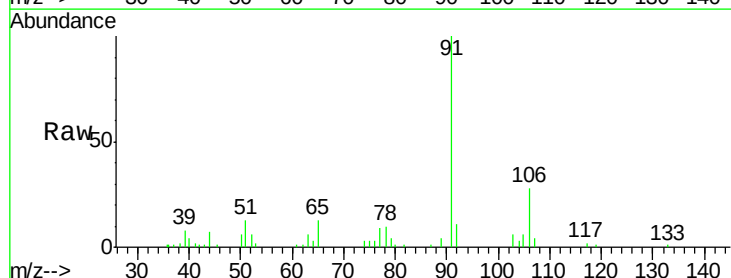
Acq: 09 Jul 2018 21:50

Tgt Ion: 91 Resp: 7481

Ion Ratio Lower Upper

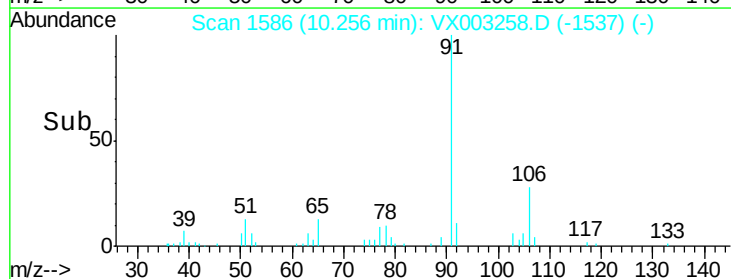
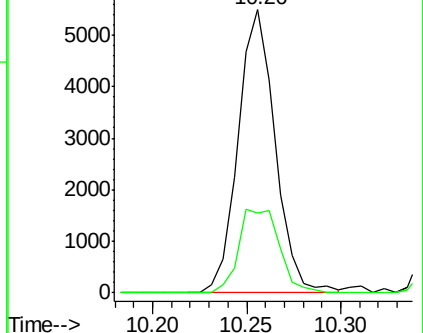
91 100

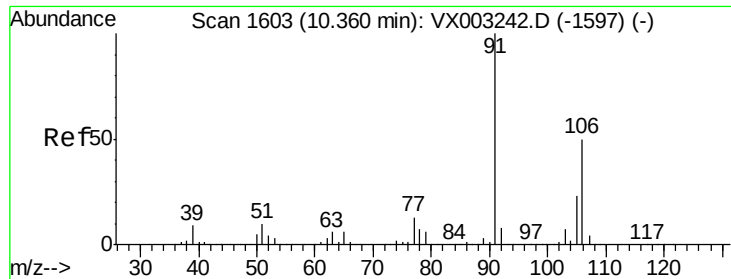
106 28.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.93 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

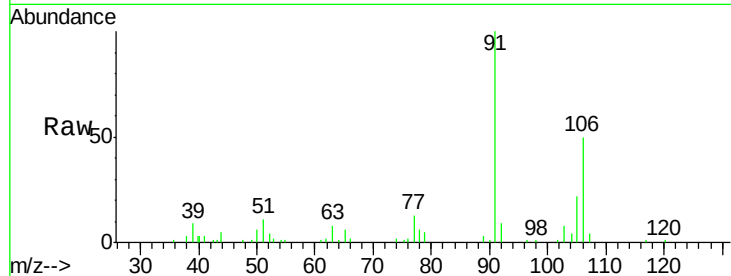
MDL-WATER-03-QT3-2018

Tot Ion:106 Resp: 5712

Ion Ratio Lower Upper

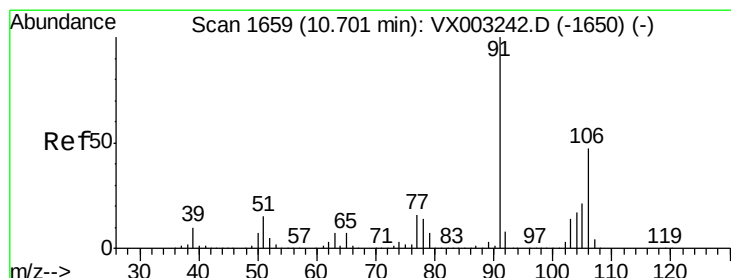
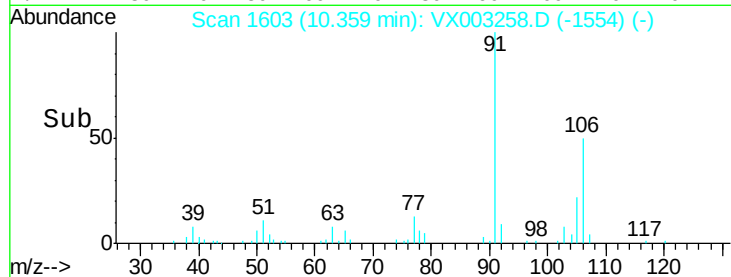
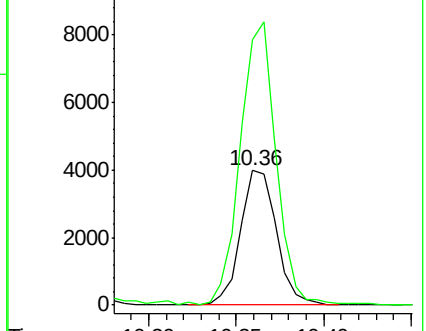
106 100

91 209.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.46 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX003258.D

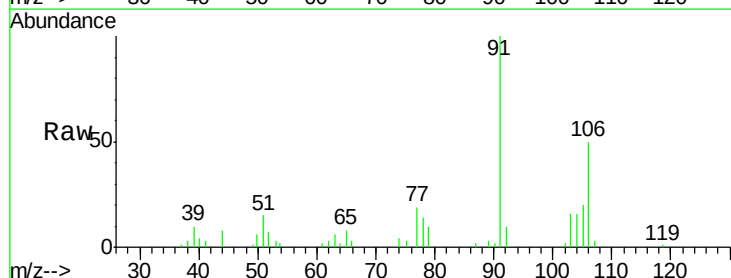
Acq: 09 Jul 2018 21:50

Tgt Ion:106 Resp: 2731

Ion Ratio Lower Upper

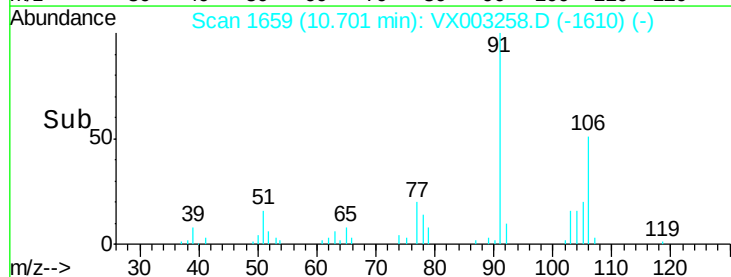
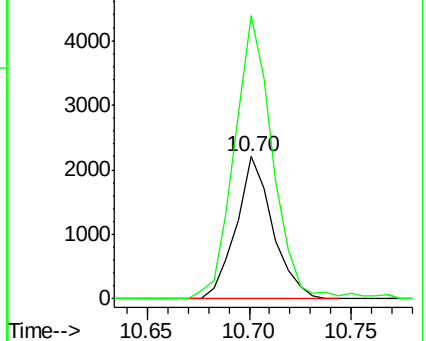
106 100

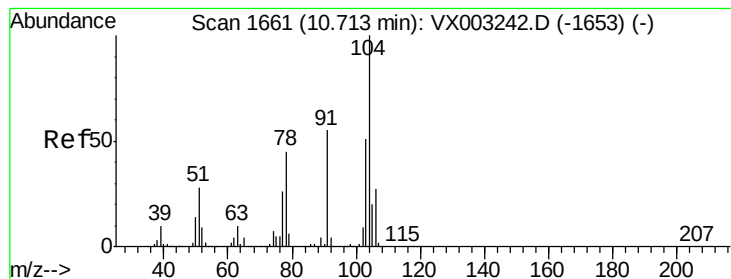
91 210.5 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.42 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

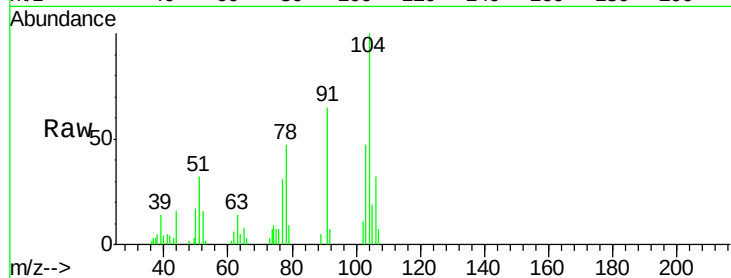
Tot Ion:104 Resp: 4068

Ion Ratio Lower Upper

104 100

78 50.5 41.0 61.6

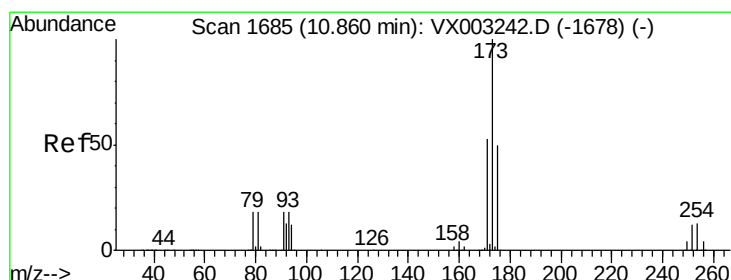
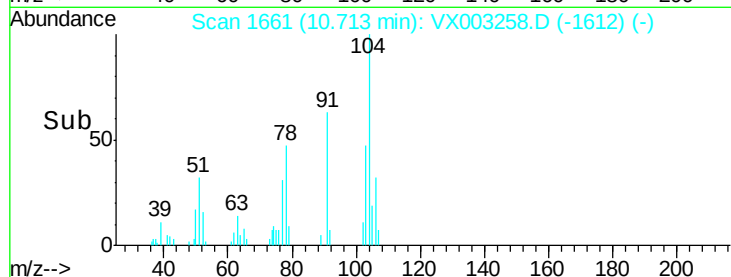
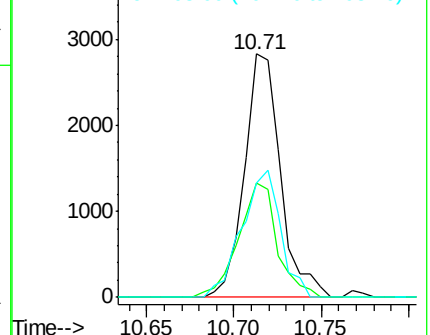
103 55.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.42 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

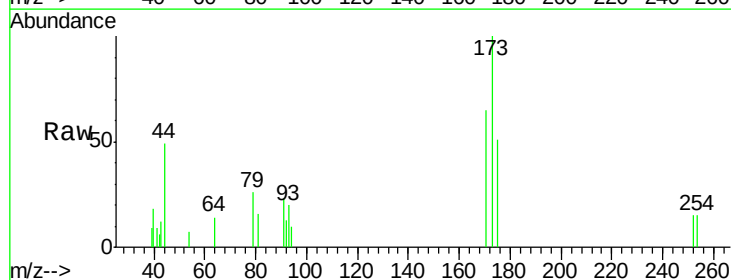
Tgt Ion:173 Resp: 1215

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

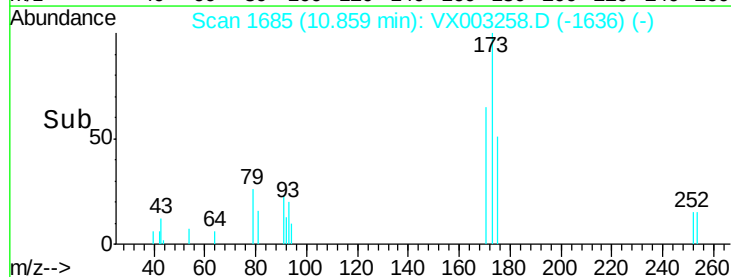
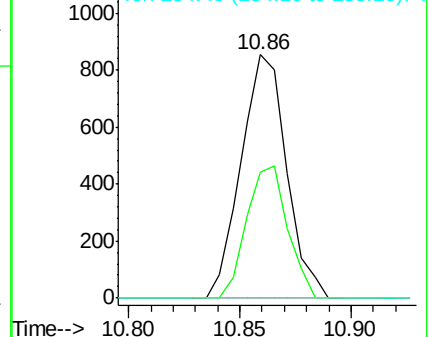
254 0.0 0.2 0.2#

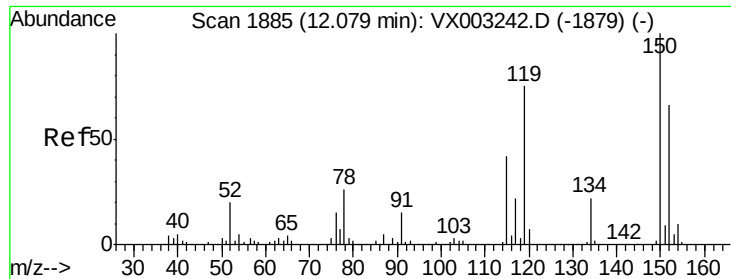


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

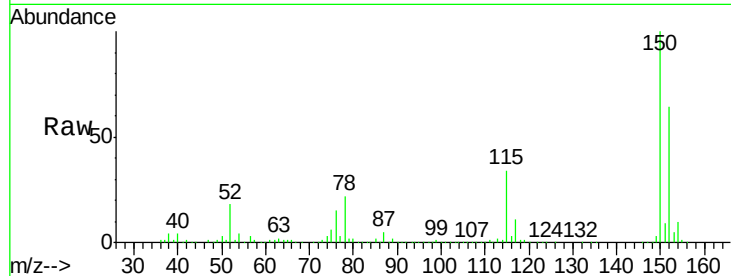
Tot Ion:152 Resp: 186002

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

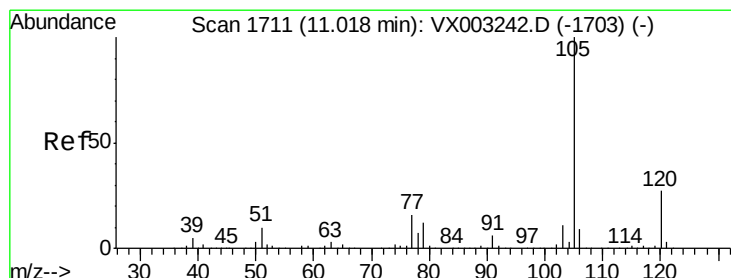
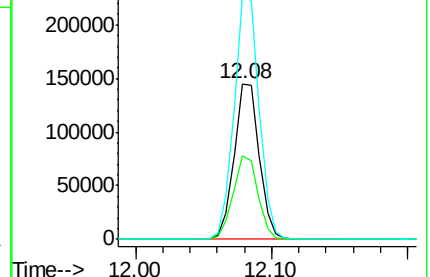
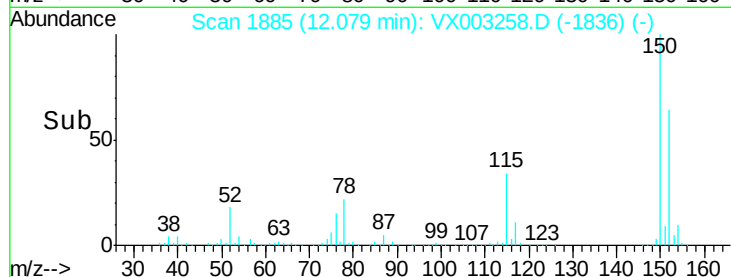
150 156.2 0.0 347.2



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: 0.48 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003258.D

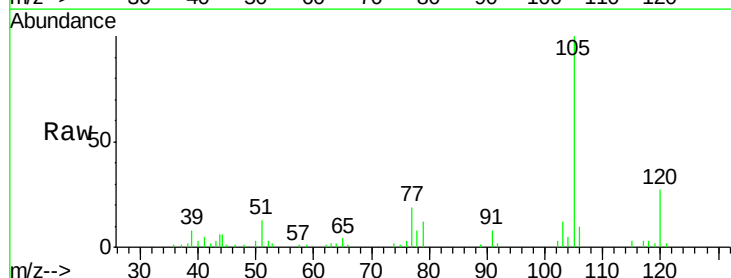
Acq: 09 Jul 2018 21:50

Tgt Ion:105 Resp: 7081

Ion Ratio Lower Upper

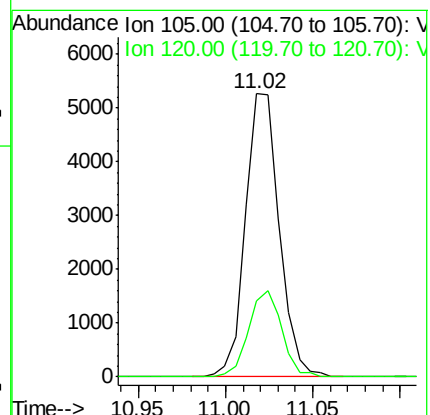
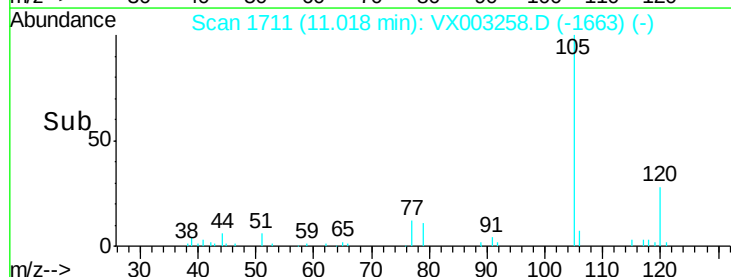
105 100

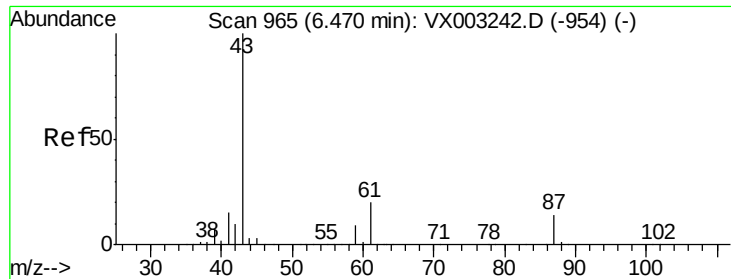
120 29.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 0.59 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

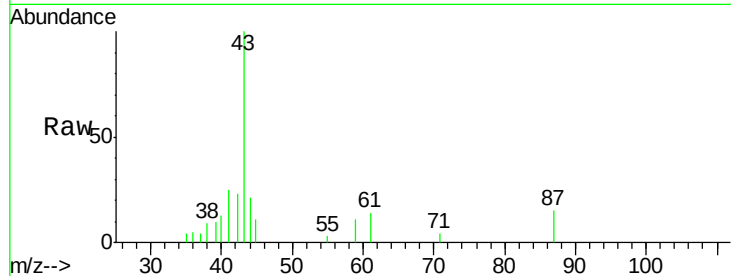
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 4113

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	1.7	0.0	0.0#
61	21.0	14.4	21.6

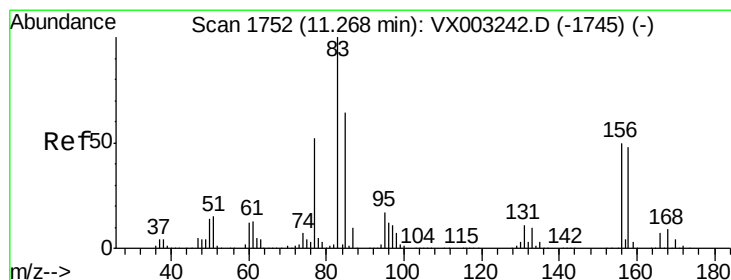
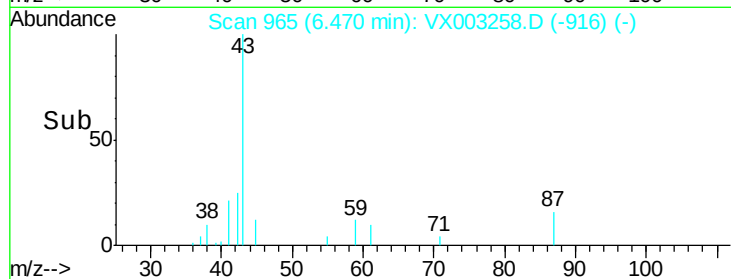
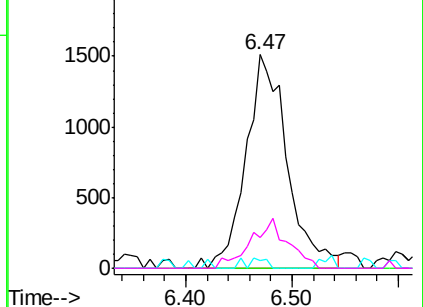


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.59 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

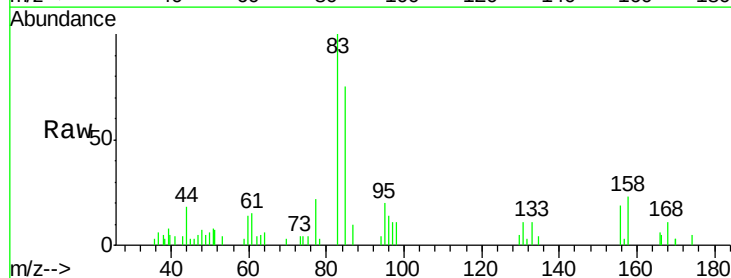
Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Tgt Ion: 83 Resp: 2682

Ion Ratio Lower Upper

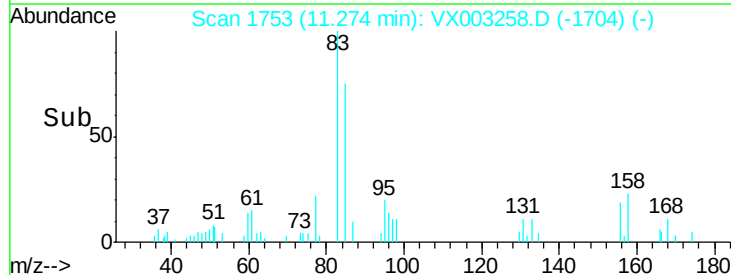
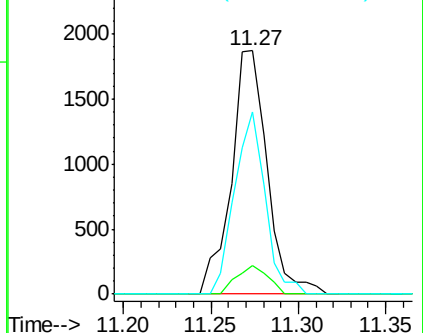
83	100		
131	10.3	5.6	16.8
85	63.4	32.4	97.2

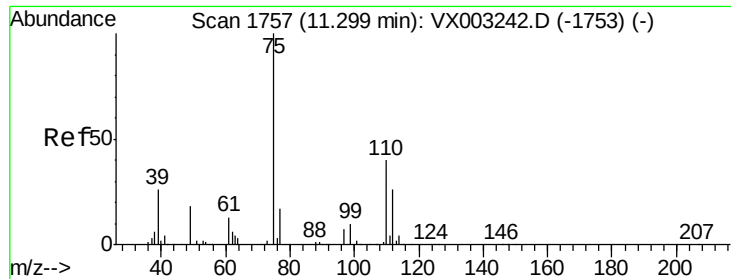


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

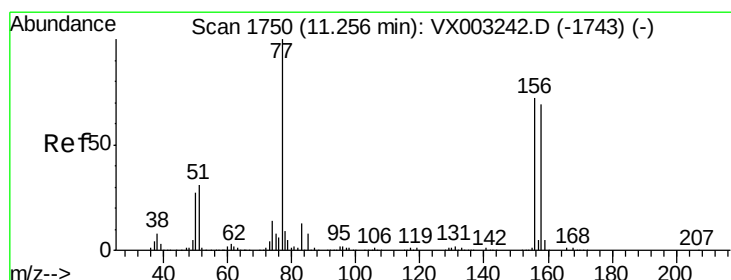
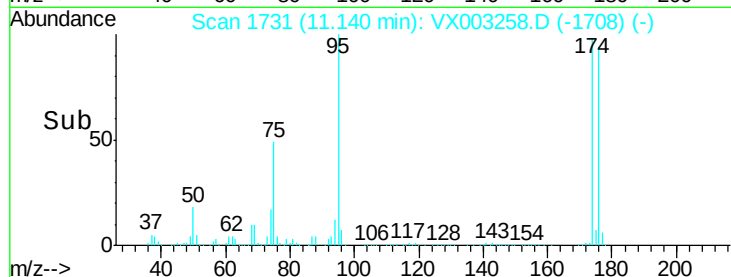
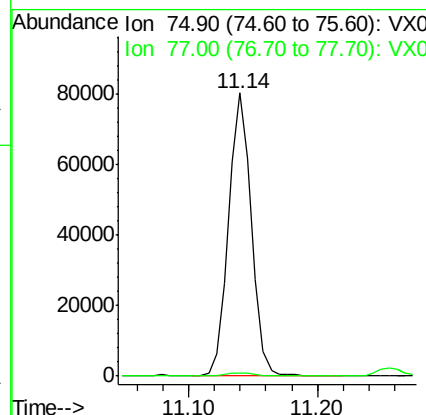
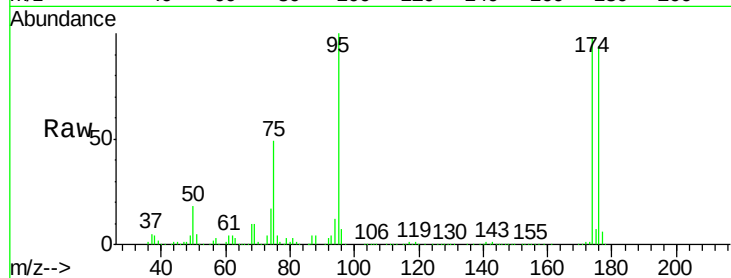




#76
 1,2,3-Trichloropropane
 Concen: 24.95 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

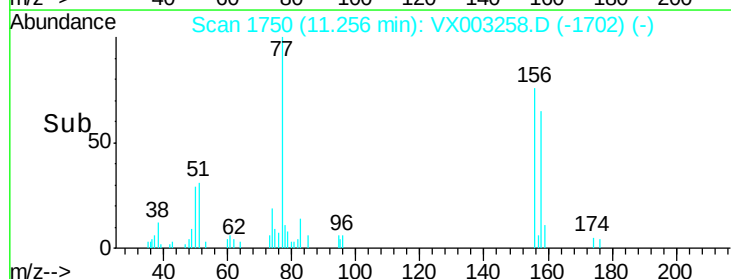
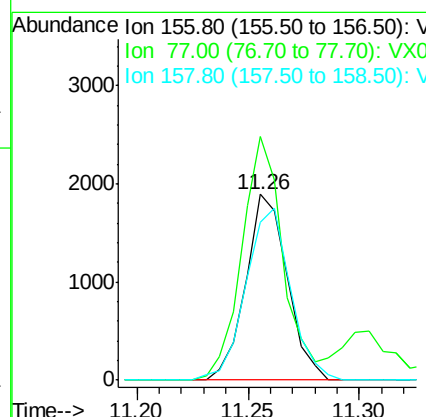
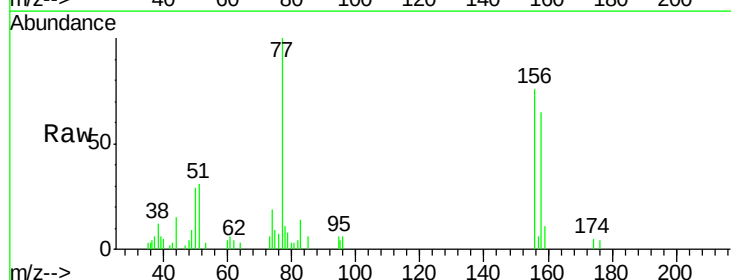
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

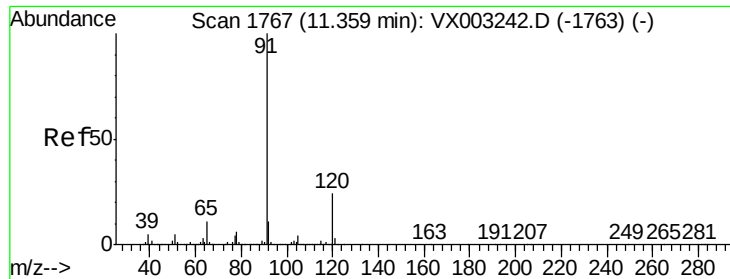
Tot Ion: 75 Resp: 100301
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#77
 Bromobenzene
 Concen: 0.58 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 156 Resp: 2461
 Ion Ratio Lower Upper
 156 100
 77 129.7 71.4 214.2
 158 99.8 48.9 146.6





#78

n-propylbenzene

Concen: 0.55 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

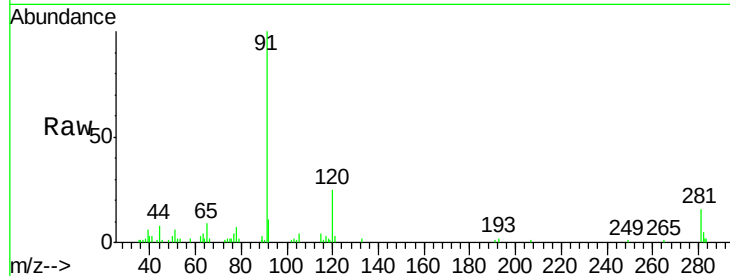
MDL-WATER-03-QT3-2018

Tot Ion: 91 Resp: 8940

Ion Ratio Lower Upper

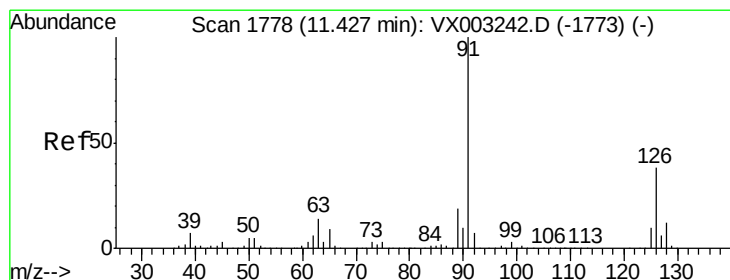
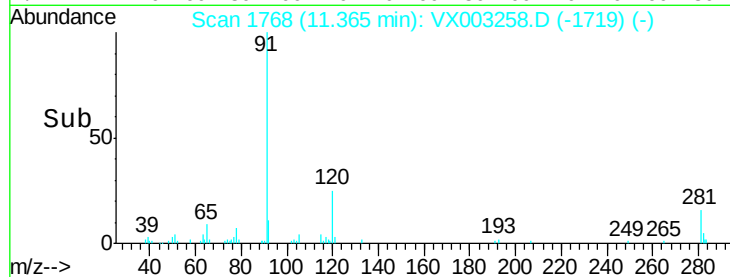
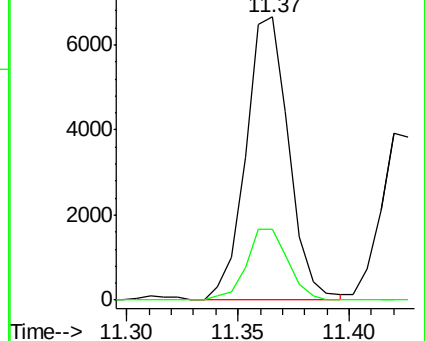
91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.55 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003258.D

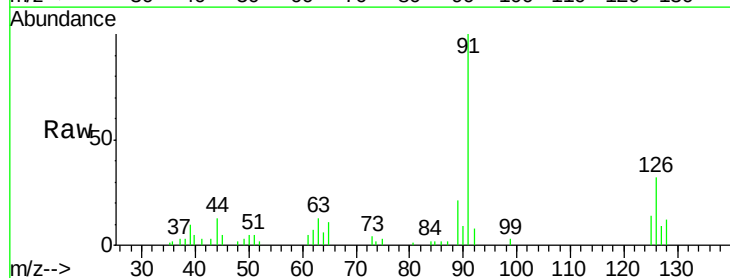
Acq: 09 Jul 2018 21:50

Tgt Ion: 91 Resp: 5441

Ion Ratio Lower Upper

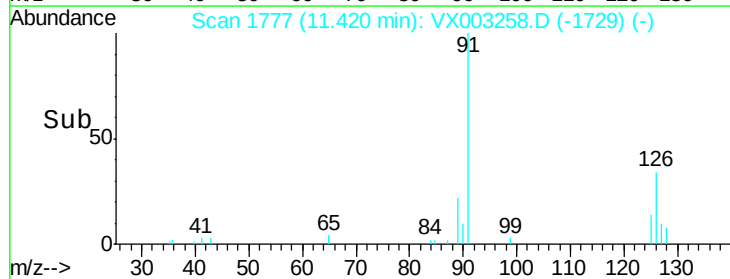
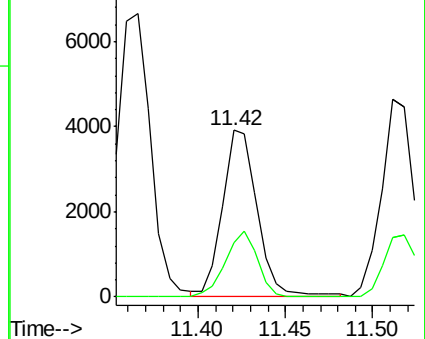
91 100

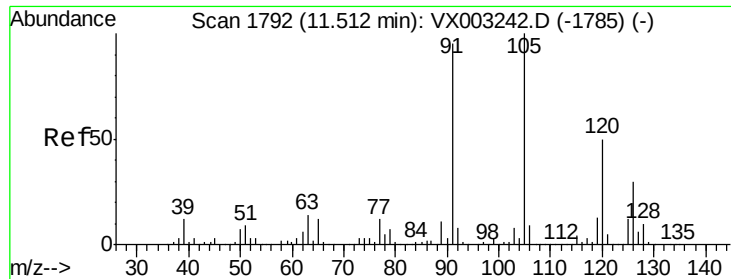
126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

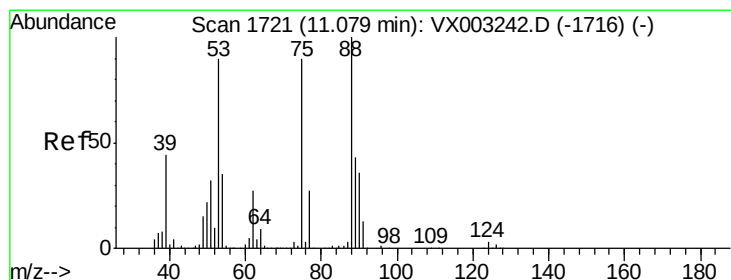
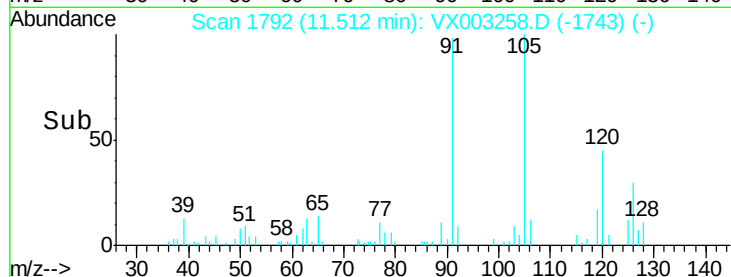
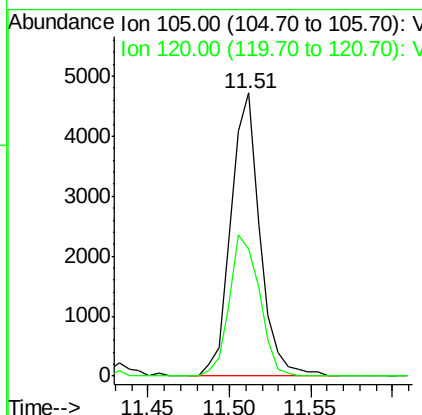
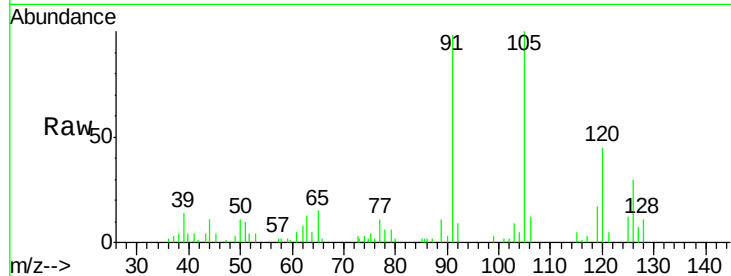




#80
 1,3,5-Trimethylbenzene
 Concen: 0.48 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

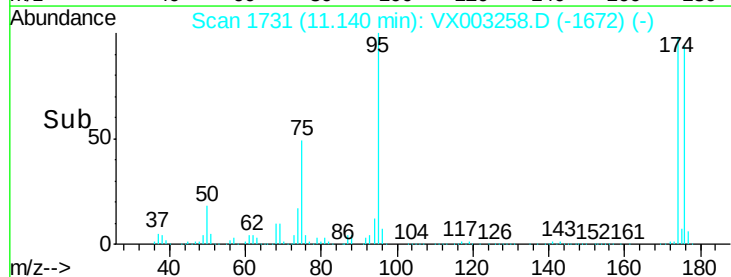
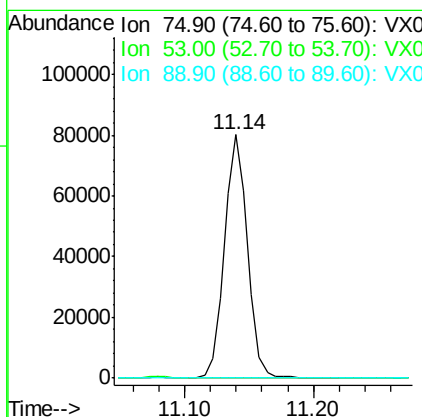
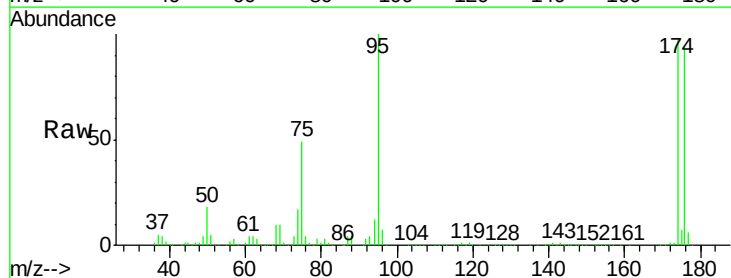
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

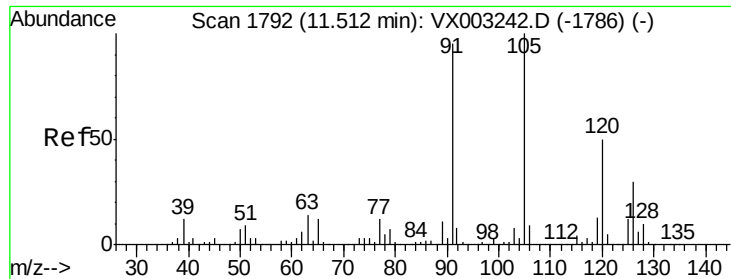
Tot Ion:105 Resp: 5837
 Ion Ratio Lower Upper
 105 100
 120 51.8 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 75 Resp: 100301
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

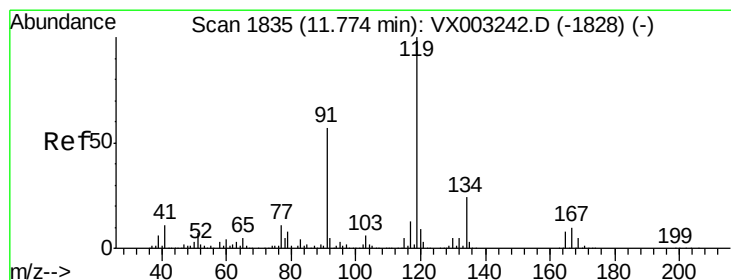
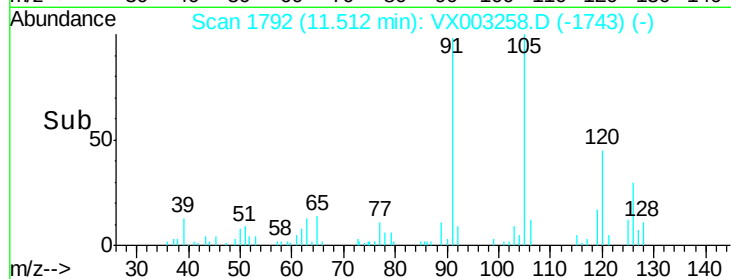
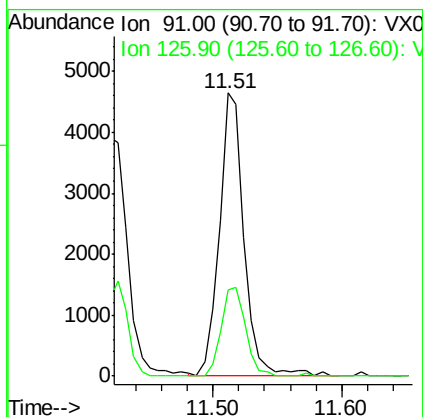
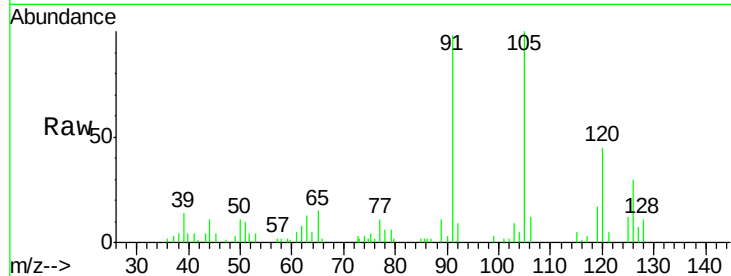




#82
4-Chlorotoluene
Concen: 0.54 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

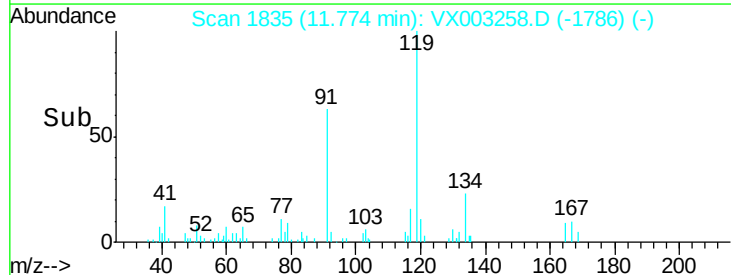
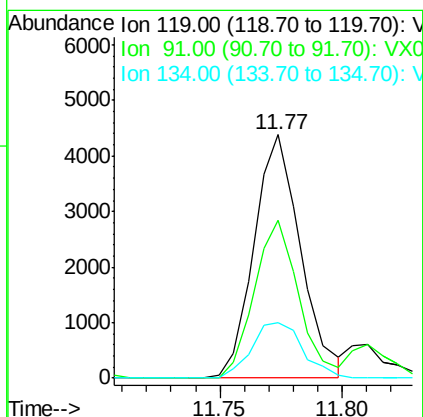
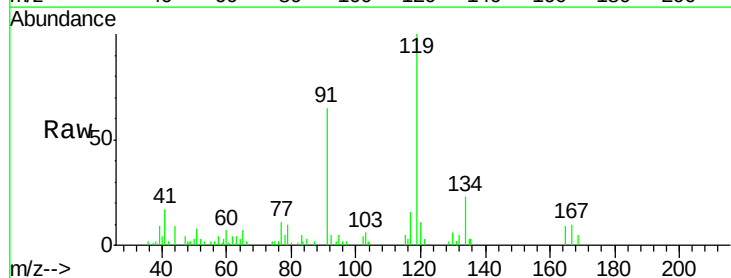
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

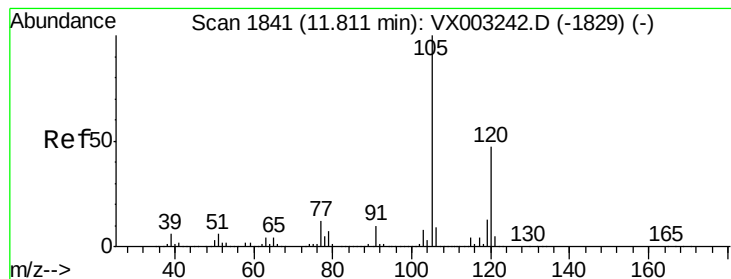
Tot Ion: 91 Resp: 6254
Ion Ratio Lower Upper
91 100
126 30.9 15.4 46.4



#83
tert-Butylbenzene
Concen: 0.48 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion: 119 Resp: 5839
Ion Ratio Lower Upper
119 100
91 61.4 30.3 90.9
134 25.3 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 0.47 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

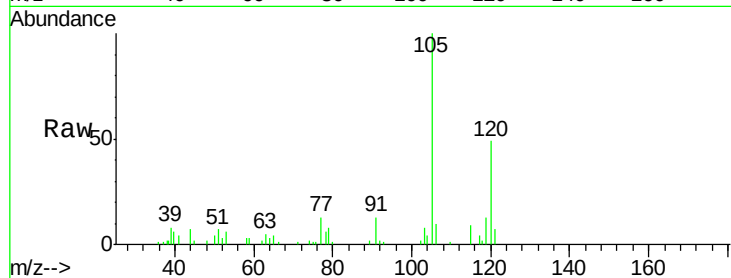
MDL-WATER-03-QT3-2018

Tot Ion:105 Resp: 5931

Ion Ratio Lower Upper

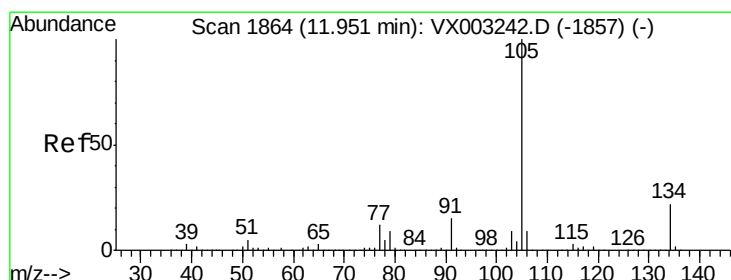
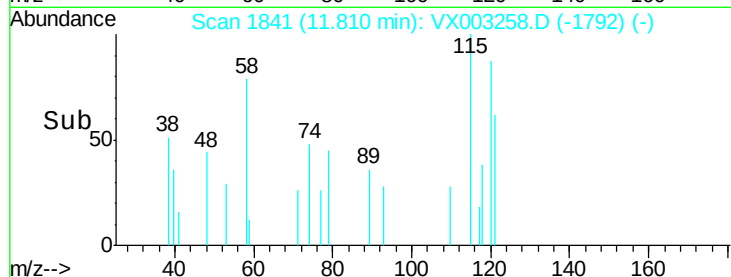
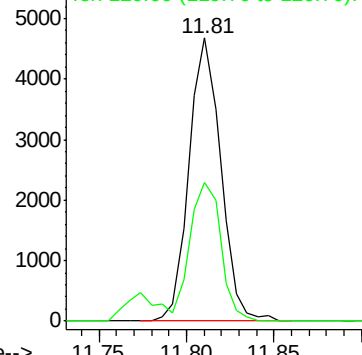
105 100

120 47.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.47 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003258.D

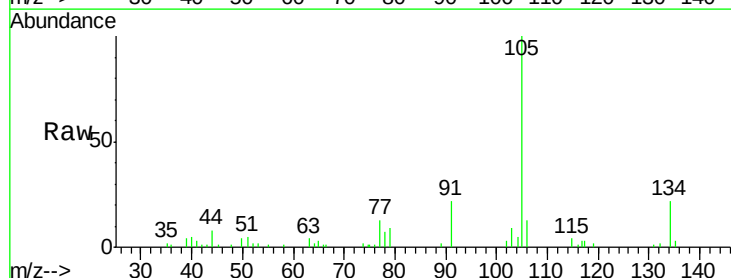
Acq: 09 Jul 2018 21:50

Tgt Ion:105 Resp: 6814

Ion Ratio Lower Upper

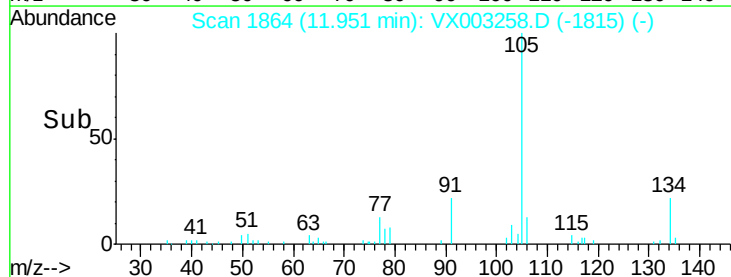
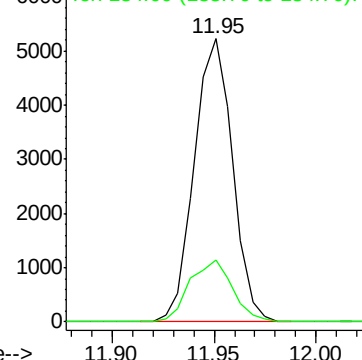
105 100

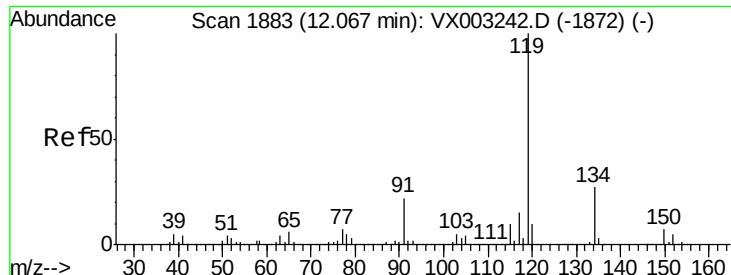
134 24.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

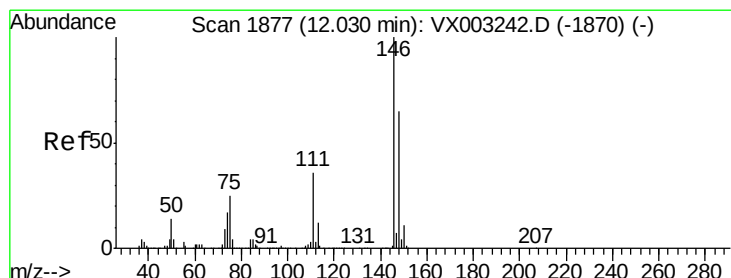
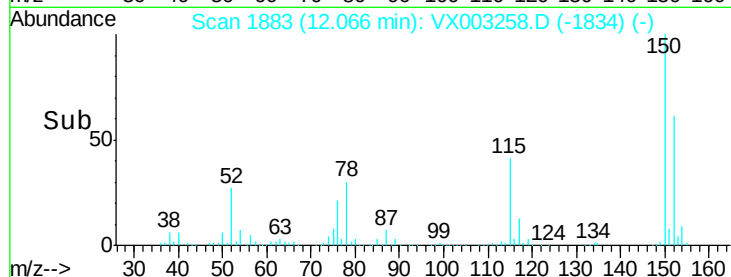
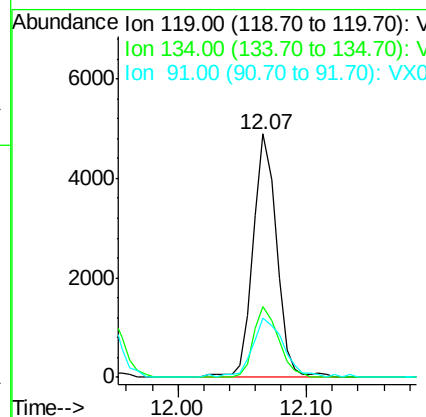
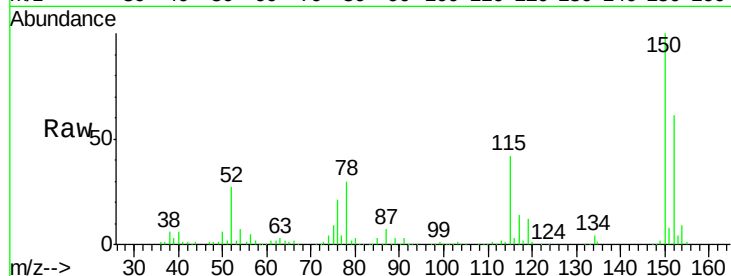




#86
p-Isopropyltoluene
Concen: 0.47 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

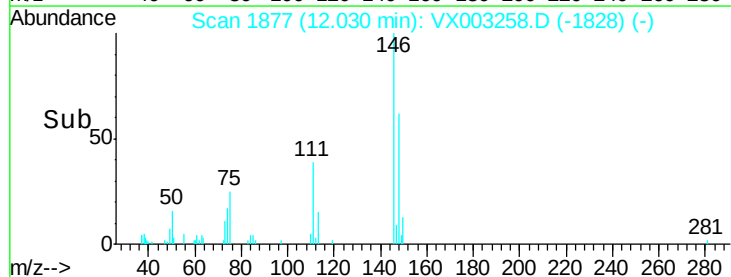
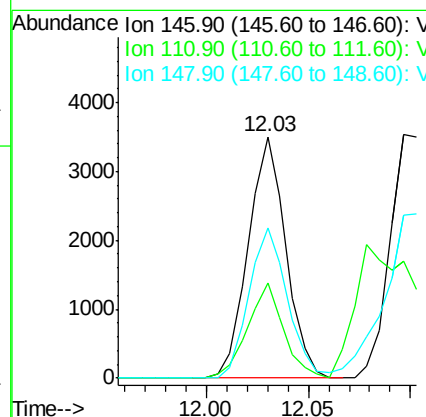
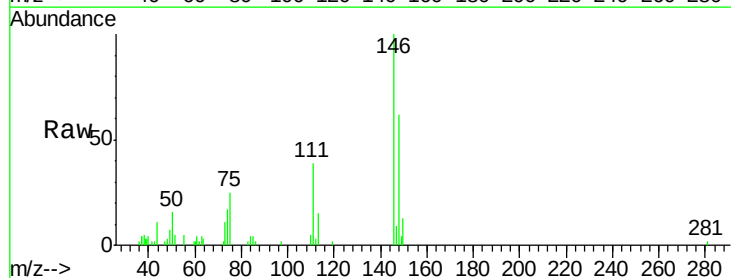
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

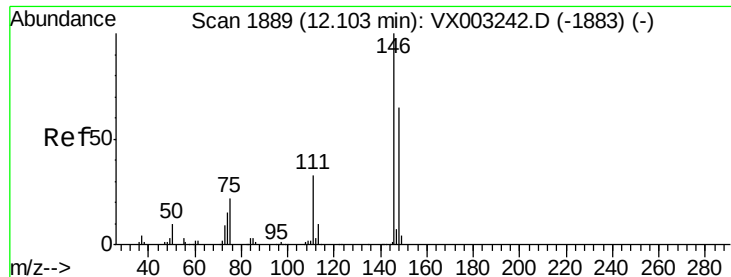
Tot Ion:119 Resp: 6139
Ion Ratio Lower Upper
119 100
134 30.6 13.4 40.1
91 31.9 11.9 35.7



#87
1,3-Dichlorobenzene
Concen: 0.58 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX003258.D
Acq: 09 Jul 2018 21:50

Tgt Ion:146 Resp: 4490
Ion Ratio Lower Upper
146 100
111 37.6 18.9 56.7
148 64.1 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.57 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

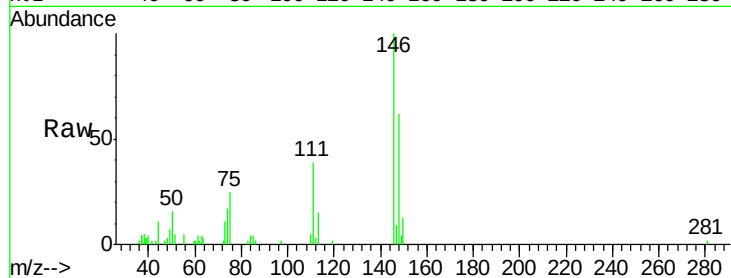
Tot Ion:146 Resp: 4490

Ion Ratio Lower Upper

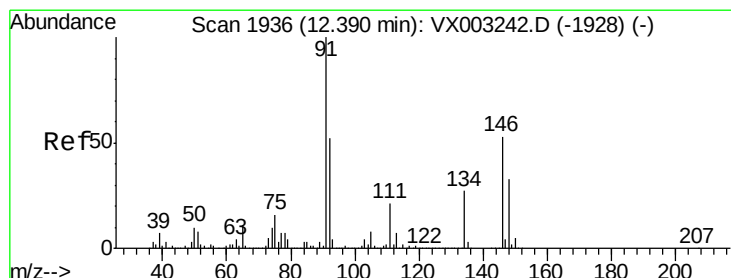
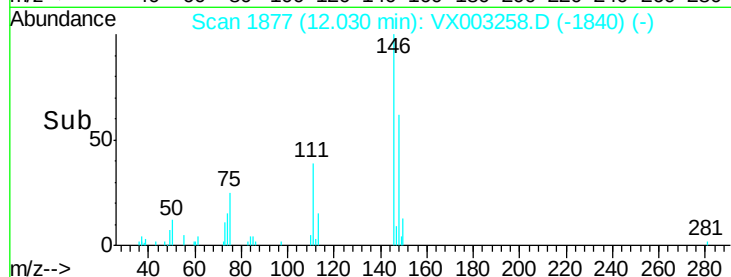
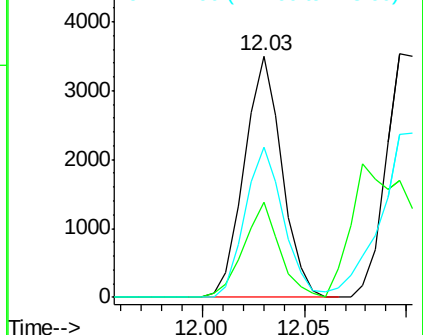
146 100

111 37.6 18.7 56.1

148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.47 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

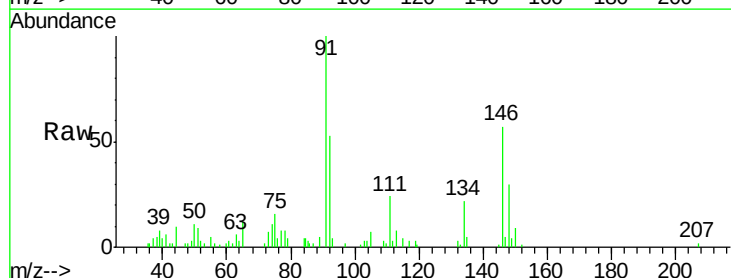
Tgt Ion: 91 Resp: 5150

Ion Ratio Lower Upper

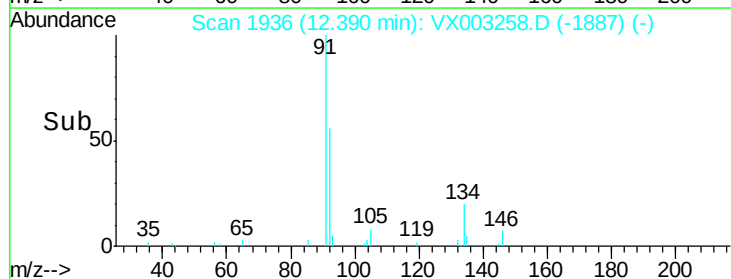
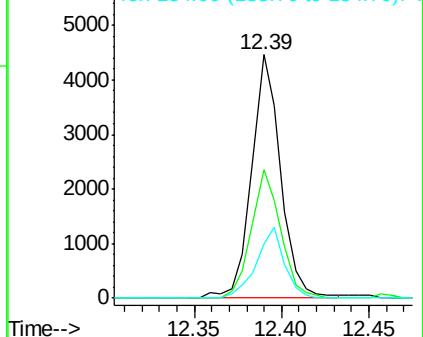
91 100

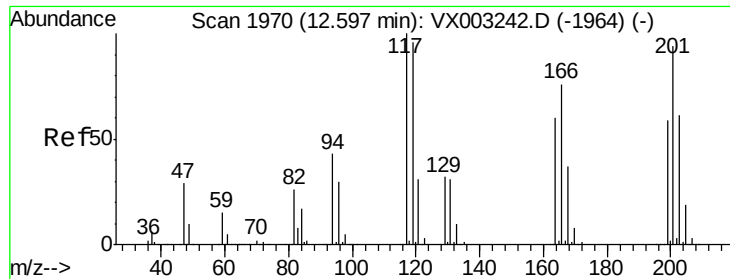
92 53.2 26.0 78.0

134 27.9 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.46 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

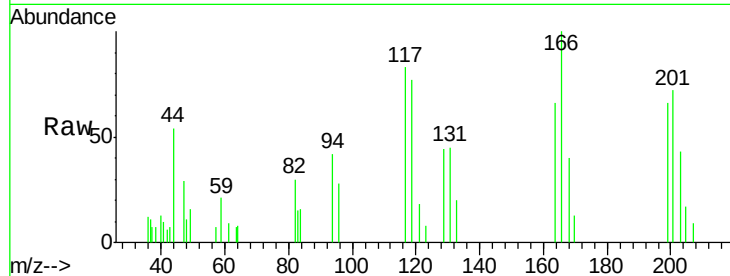
MDL-WATER-03-QT3-2018

Tot Ion:117 Resp: 915

Ion Ratio Lower Upper

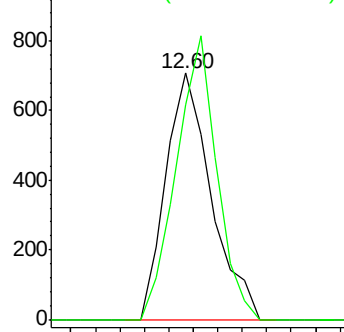
117 100

201 102.4 49.0 147.0

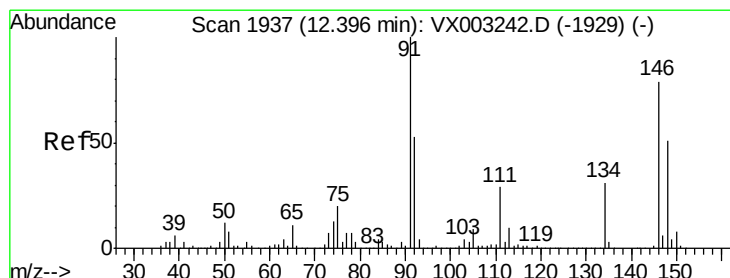
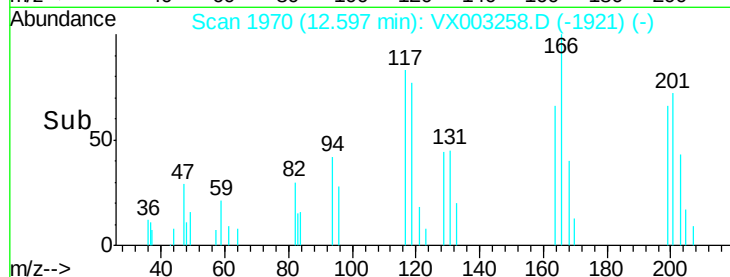


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time--> 12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 0.54 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

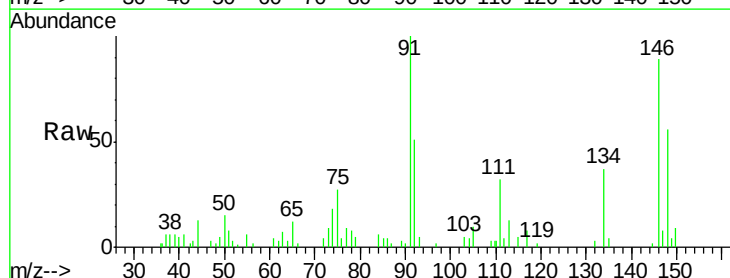
Tgt Ion:146 Resp: 4184

Ion Ratio Lower Upper

146 100

111 37.0 19.4 58.1

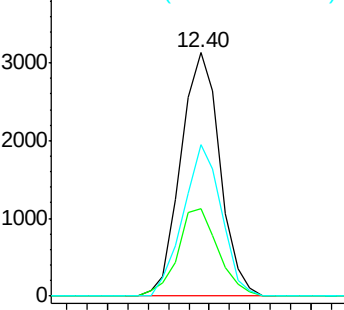
148 60.8 31.7 95.1



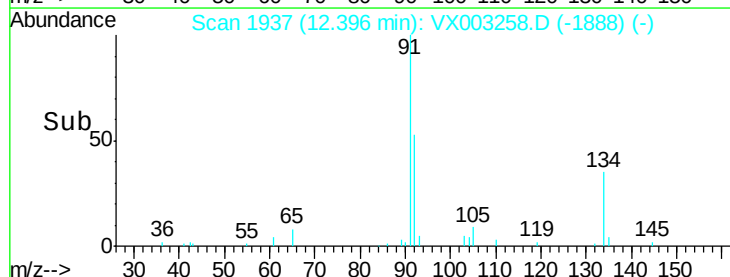
Abundance Ion 145.90 (145.60 to 146.60): V

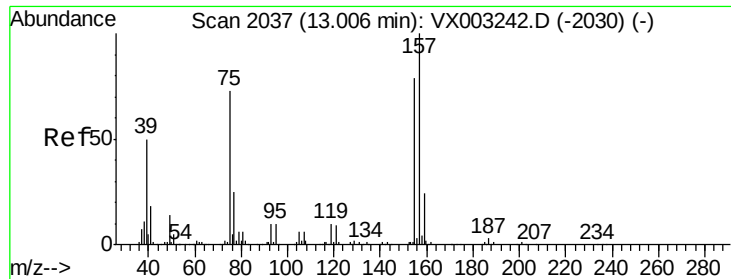
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 12.35 12.40 12.45

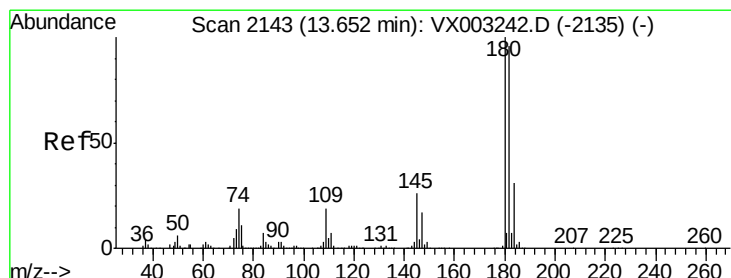
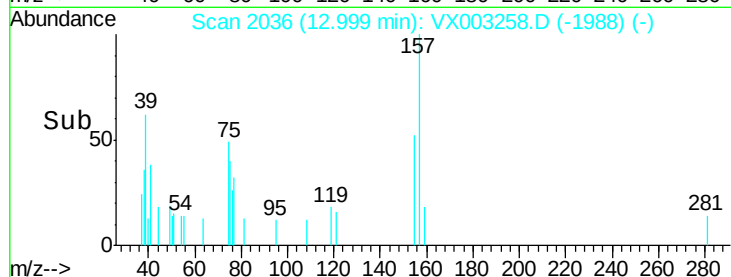
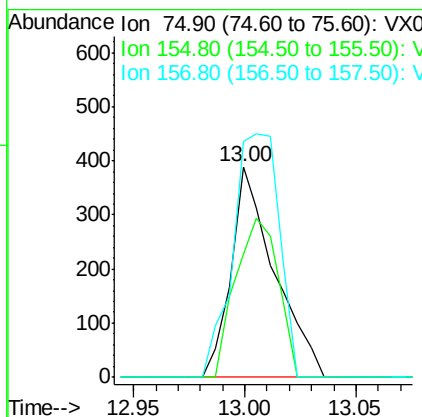
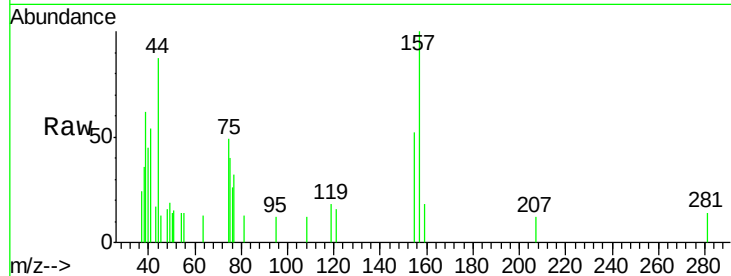




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.54 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

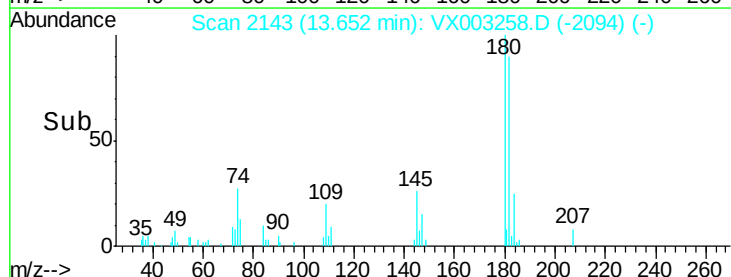
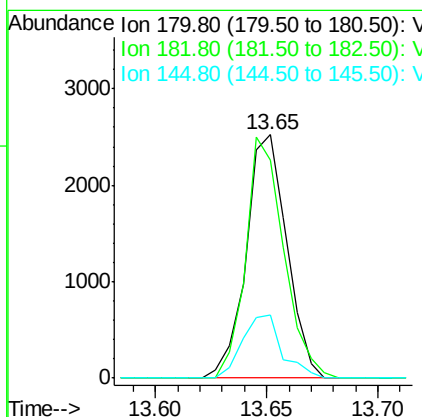
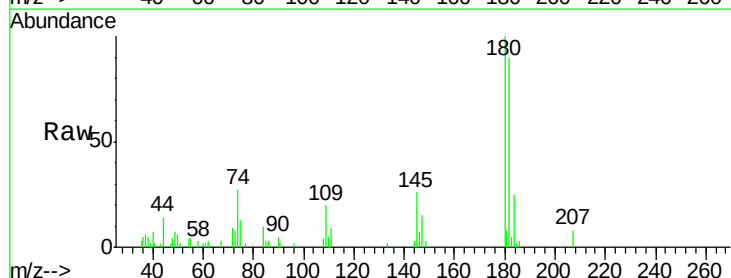
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

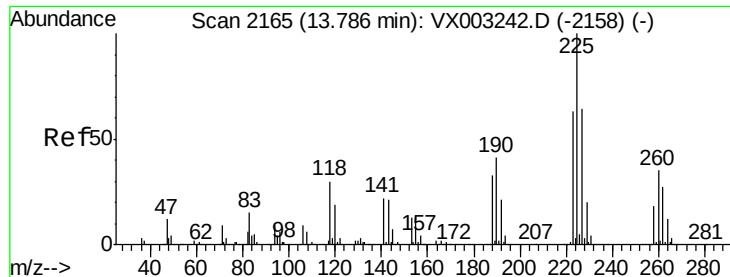
Tot Ion: 75 Resp: 526
 Ion Ratio Lower Upper
 75 100
 155 74.3 45.8 137.4
 157 124.5 60.1 180.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Tgt Ion: 180 Resp: 3209
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.7 143.1
 145 25.1 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.56 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

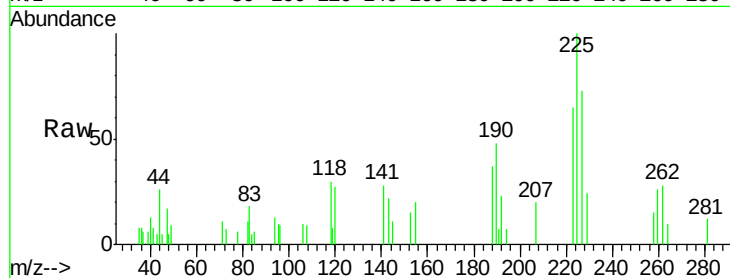
Tot Ion:225 Resp: 1581

Ion Ratio Lower Upper

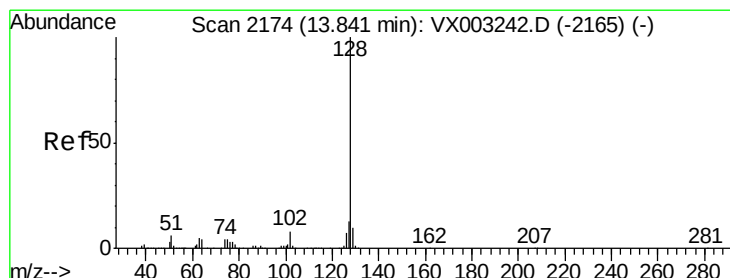
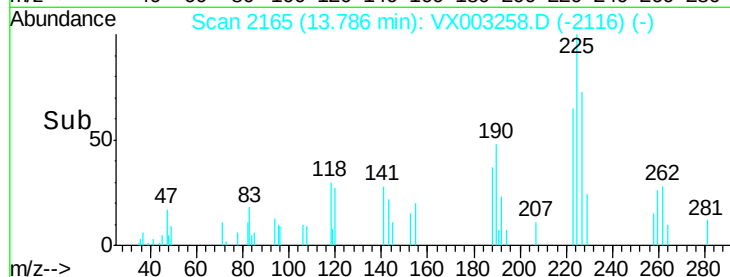
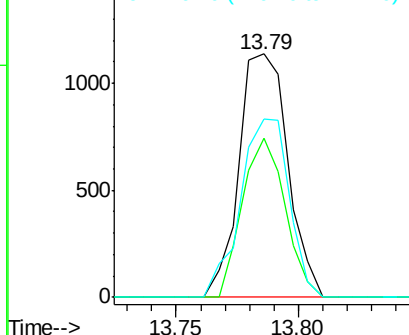
225 100

223 57.5 31.6 95.0

227 73.4 32.4 97.2



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: 0.46 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003258.D

Acq: 09 Jul 2018 21:50

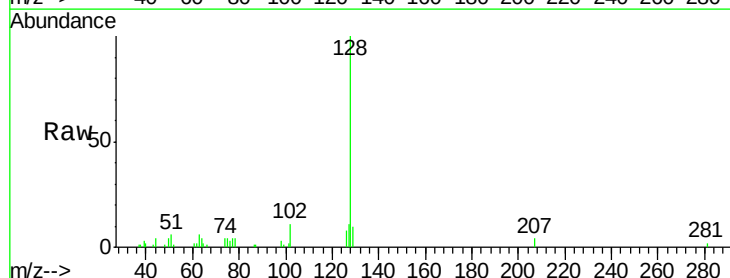
Tgt Ion:128 Resp: 6809

Ion Ratio Lower Upper

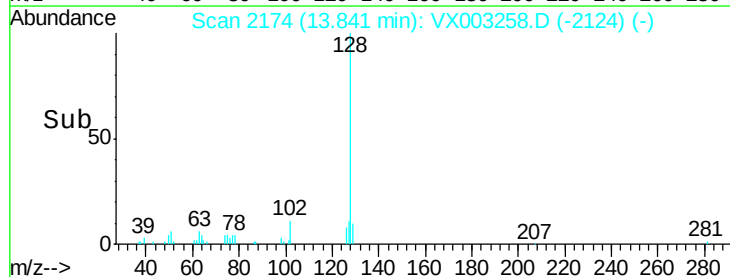
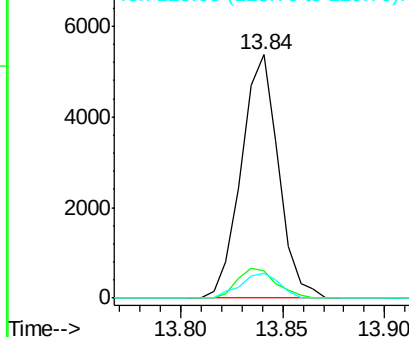
128 100

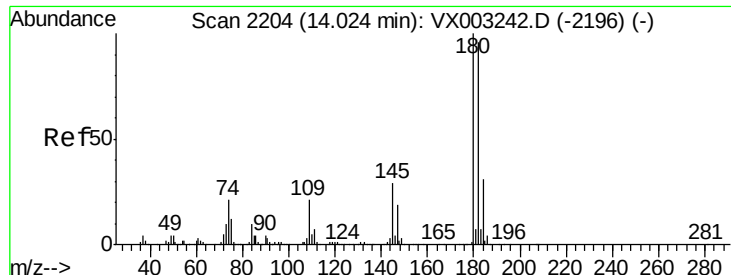
127 12.7 10.4 15.6

129 10.5 8.6 13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.53 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003258.D
 Acq: 09 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.0	144.0
145	28.2	14.8	44.3

