

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003256.D
 Acq On : 09 Jul 2018 20:57
 Operator : JC/MD
 Sample : J3762-09 MDL .2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 10 01:02:34 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	255241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209450	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	5.51	113	176369	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.72	98	629589	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	216100	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	909	0.23	ug/l	76
3) Chloromethane	1.32	50	1804	0.51	ug/l #	85
4) Vinyl Chloride	1.40	62	869	0.24	ug/l #	1
5) Bromomethane	1.64	94	3135	Below	Cal	83
6) Chloroethane	1.73	64	444	0.22	ug/l #	70
7) Trichlorofluoromethane	1.93	101	1342	0.25	ug/l	100
8) Diethyl Ether	2.19	74	475	0.24	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	940	0.30	ug/l #	91
10) Methyl Iodide	2.52	142	4094	6.69	ug/l	97
11) Tert butyl alcohol	3.07	59	1245	1.71	ug/l #	78
12) 1,1-Dichloroethene	2.37	96	745	0.26	ug/l #	74
13) Acrolein	2.29	56	851	1.45	ug/l #	45
14) Allyl chloride	2.73	41	1307	0.25	ug/l #	80
15) Acrylonitrile	3.15	53	1945	1.20	ug/l #	83
16) Acetone	2.45	43	2364	1.66	ug/l	96
17) Carbon Disulfide	2.57	76	3046	0.38	ug/l #	92
18) Methyl Acetate	2.78	43	1040	0.26	ug/l	94
20) Methylene Chloride	2.87	84	1405	Below	Cal #	75
21) trans-1,2-Dichloroethene	3.17	96	875	0.29	ug/l #	79
22) Diisopropyl ether	3.89	45	2383	0.22	ug/l #	90
23) Vinyl Acetate	3.82	43	6636	0.72	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	1409	0.25	ug/l #	92
25) 2-Butanone	4.72	43	2516	1.00	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	960	0.26	ug/l #	1
28) Bromochloromethane	5.01	49	704	0.25	ug/l #	57
29) Tetrahydrofuran	5.18	42	2501	1.53	ug/l	99
30) Chloroform	5.22	83	1451	0.23	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	1220	0.22	ug/l #	23
36) 1,1-Dichloropropene	5.81	75	1541	0.32	ug/l #	68
37) Ethyl Acetate	4.88	43	1258	0.24	ug/l #	73
38) Carbon Tetrachloride	5.79	117	1310	0.25	ug/l #	82
39) Methylcyclohexane	7.47	83	1538	0.28	ug/l #	88
40) Benzene	6.15	78	2836	0.20	ug/l	100
42) 1,2-Dichloroethane	6.21	62	1078	0.21	ug/l	83

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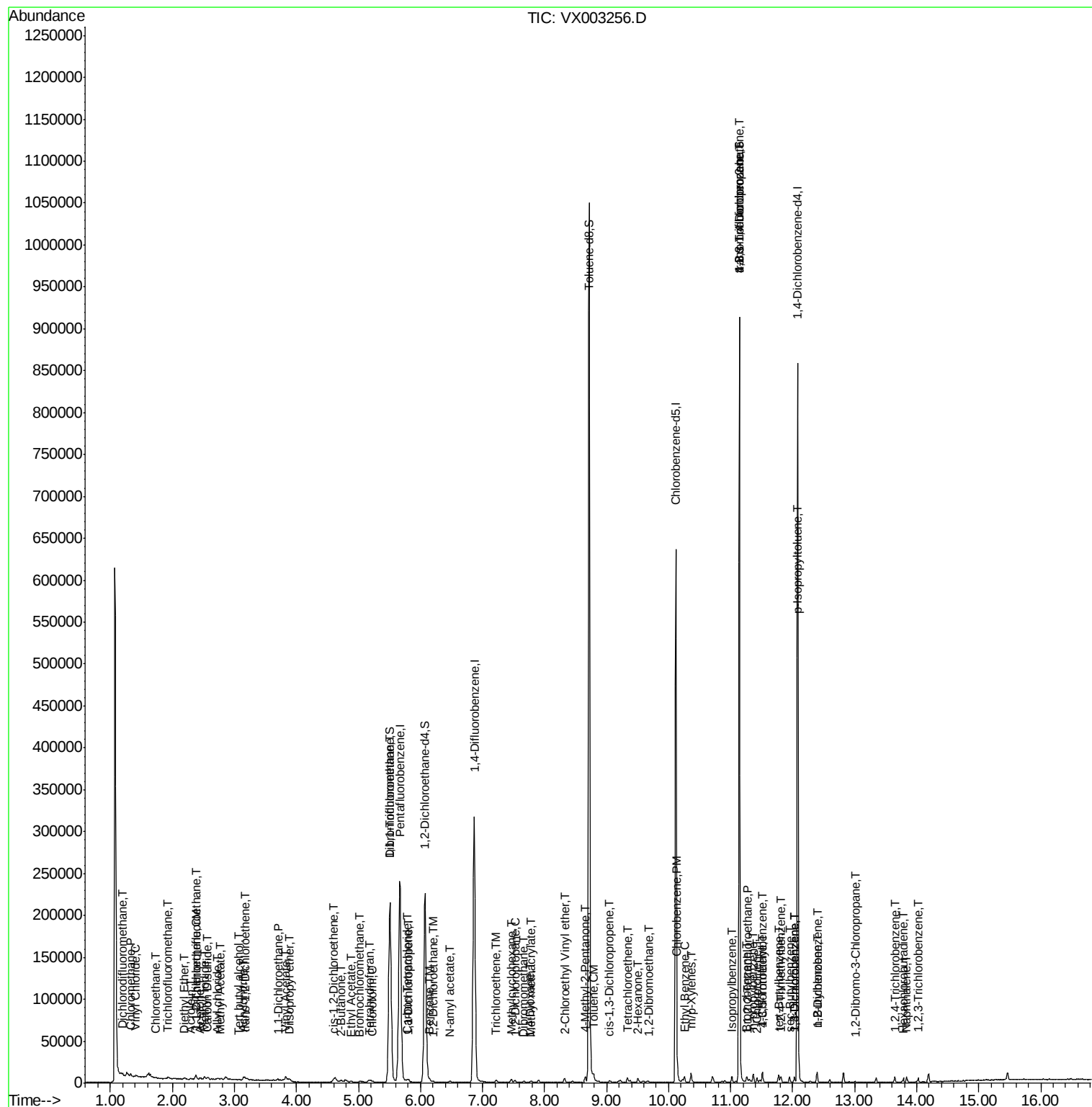
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.22	130	1042	0.25	ug/l	82
45) 1,2-Dichloropropane	7.52	63	818	0.22	ug/l #	69
46) Dibromomethane	7.66	93	517	0.21	ug/l #	75
48) Methyl methacrylate	7.78	41	1128	0.27	ug/l #	54
49) 1,4-Dioxane	7.76	88	345	3.94	ug/l #	62
51) 4-Methyl-2-Pentanone	8.66	43	4097	0.81	ug/l	95
52) Toluene	8.79	92	1895	0.21	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	989	0.20	ug/l #	82
58) 2-Chloroethyl Vinyl ether	8.32	63	1896	0.78	ug/l	96
59) 2-Hexanone	9.51	43	3354	0.87	ug/l	89
61) 1,2-Dibromoethane	9.68	107	774	0.20	ug/l	96
64) Tetrachloroethene	9.34	164	1288	0.29	ug/l	94
65) Chlorobenzene	10.14	112	2543	0.25	ug/l	91
67) Ethyl Benzene	10.26	91	3578	0.22	ug/l	93
68) m/p-Xylenes	10.37	106	2696	0.42	ug/l	99
73) Isopropylbenzene	11.02	105	3175	0.21	ug/l	96
74) N-amyl acetate	6.48	43	1630	0.23	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	974	0.21	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	105799	25.72	ug/l #	33
77) Bromobenzene	11.26	156	1174	0.27	ug/l	96
78) n-propylbenzene	11.37	91	4266	0.26	ug/l	97
79) 2-Chlorotoluene	11.42	91	2636	0.26	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	2694	0.22	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	105799	84.07	ug/l #	7
82) 4-Chlorotoluene	11.52	91	3023	0.25	ug/l	88
83) tert-Butylbenzene	11.77	119	2603	0.21	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	2632	0.21	ug/l	79
85) sec-Butylbenzene	11.95	105	3206	0.22	ug/l	98
86) p-Isopropyltoluene	12.07	119	2951	0.22	ug/l #	76
87) 1,3-Dichlorobenzene	12.03	146	2105	0.26	ug/l	97
88) 1,4-Dichlorobenzene	12.03	146	2105	0.26	ug/l	98
89) n-Butylbenzene	12.39	91	2715	0.24	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	2002	0.25	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.01	75	248	0.25	ug/l	80
93) 1,2,4-Trichlorobenzene	13.65	180	1832	0.32	ug/l	98
94) Hexachlorobutadiene	13.79	225	916	0.32	ug/l	95
95) Naphthalene	13.84	128	3394	0.22	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	1614	0.28	ug/l	96

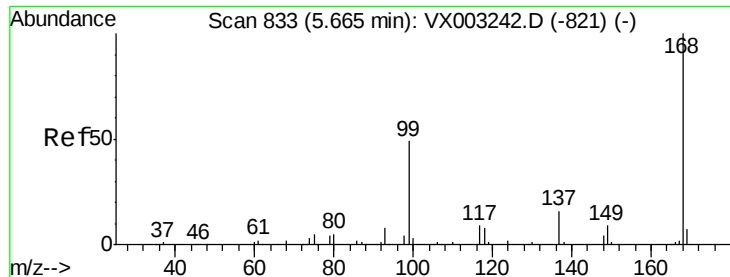
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

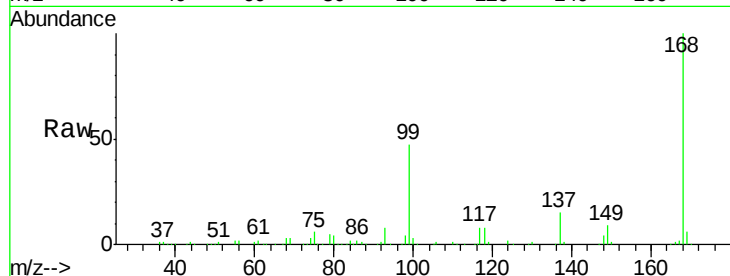
MDL-WATER-03-QT3-2018

Tot Ion:168 Resp: 255241

Ion Ratio Lower Upper

168 100

99 47.0 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

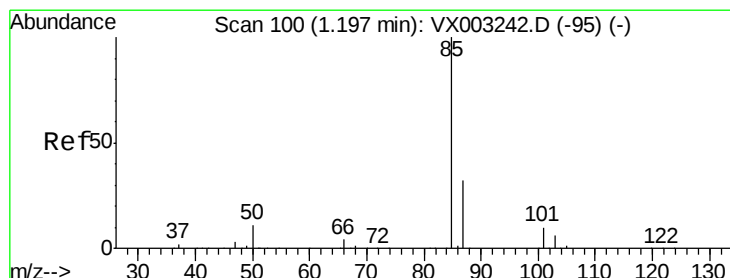
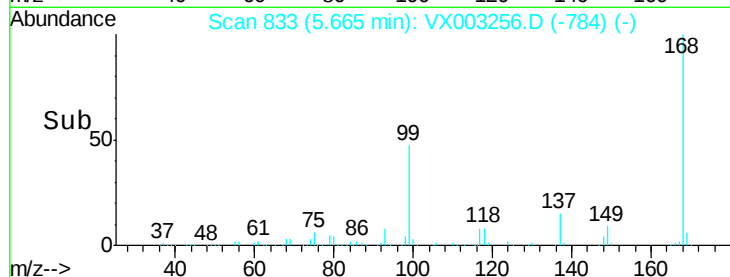
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003256.D

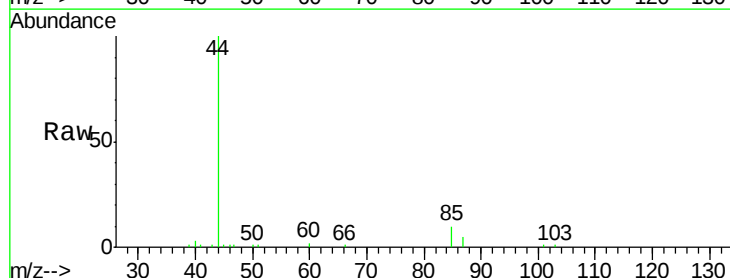
Acq: 09 Jul 2018 20:57

Tgt Ion: 85 Resp: 909

Ion Ratio Lower Upper

85 100

87 45.0 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

1000

800

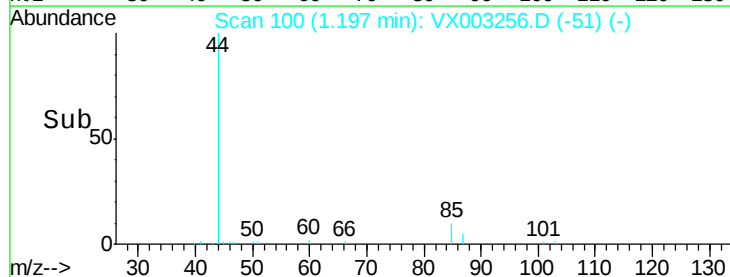
600

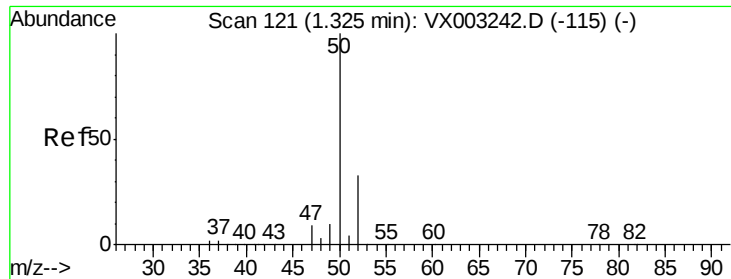
400

200

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 0.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

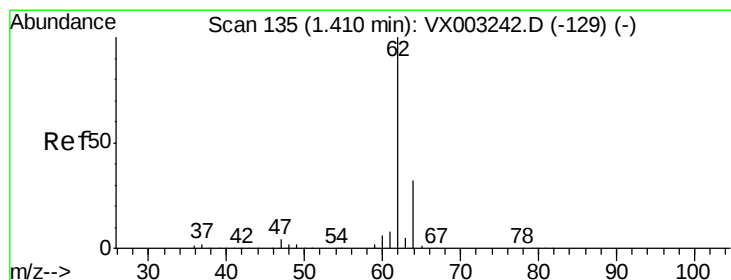
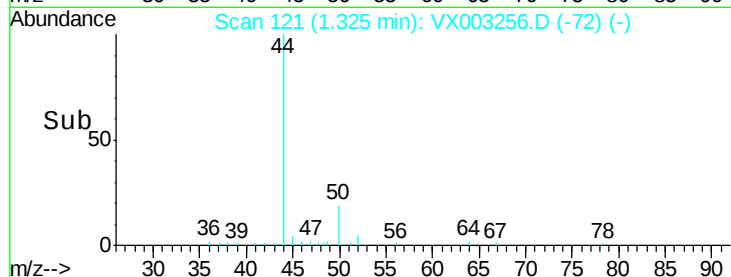
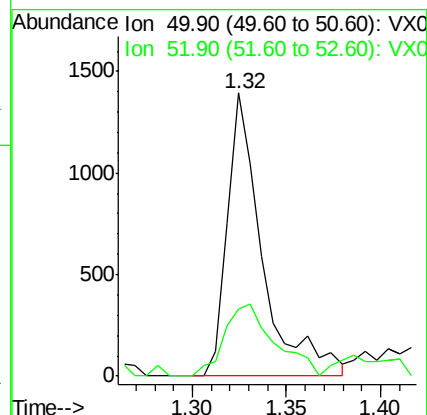
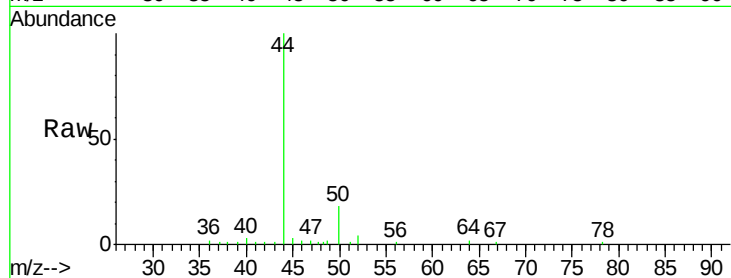
MDL-WATER-03-QT3-2018

Tot Ion: 50 Resp: 1804

Ion Ratio Lower Upper

50 100

52 23.6 25.7 38.5#



#4

Vinyl Chloride

Concen: 0.24 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003256.D

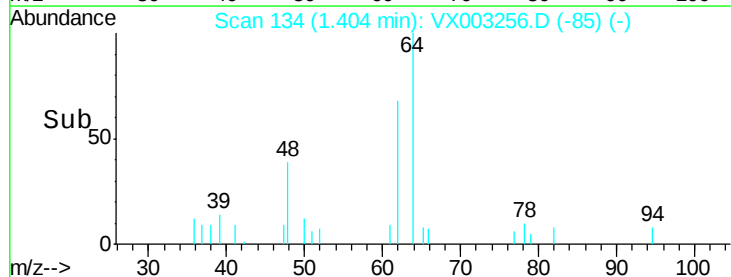
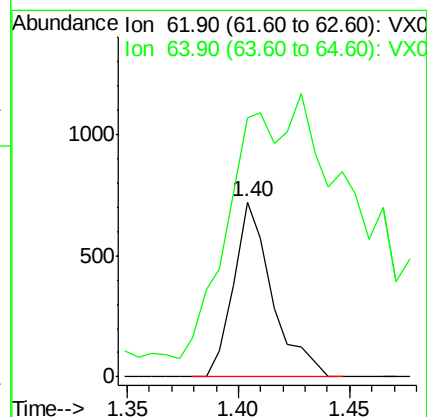
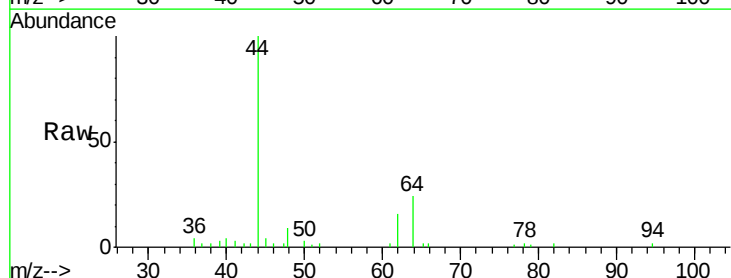
Acq: 09 Jul 2018 20:57

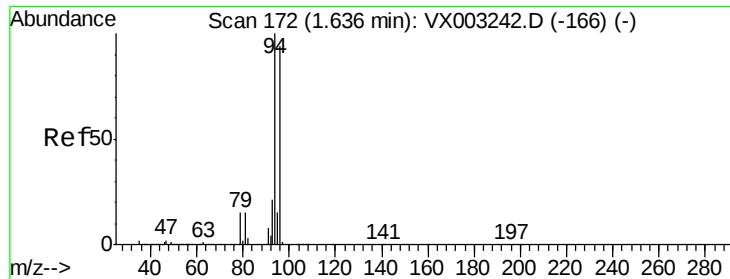
Tgt Ion: 62 Resp: 869

Ion Ratio Lower Upper

62 100

64 125.6 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

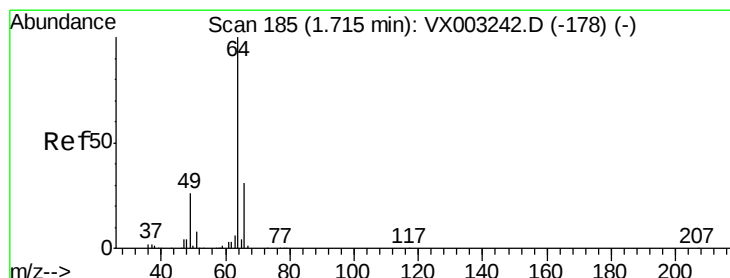
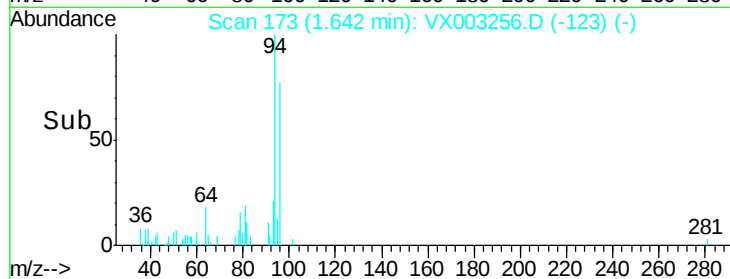
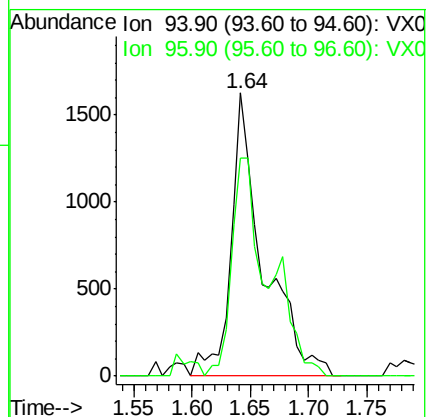
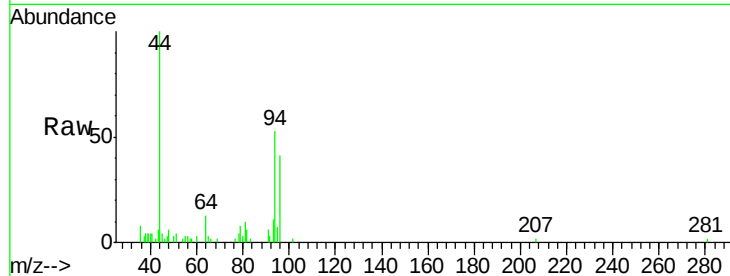
MDL-WATER-03-QT3-2018

Tot Ion: 94 Resp: 3135

Ion Ratio Lower Upper

94 100

96 77.2 74.9 112.3



#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX003256.D

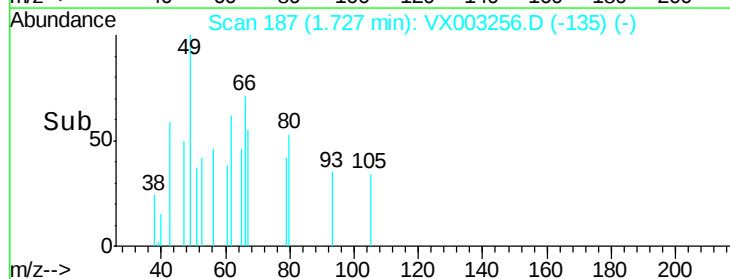
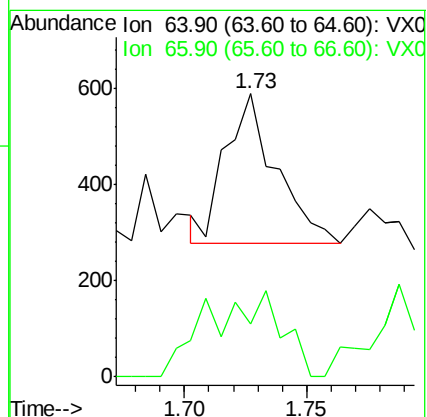
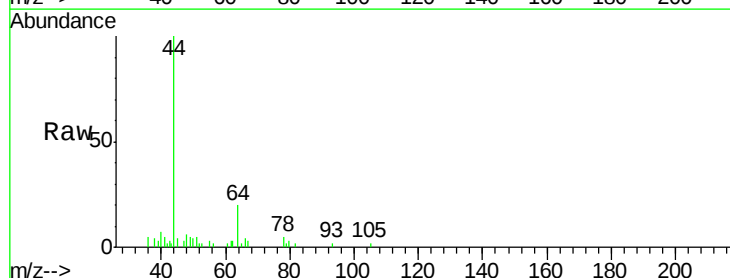
Acq: 09 Jul 2018 20:57

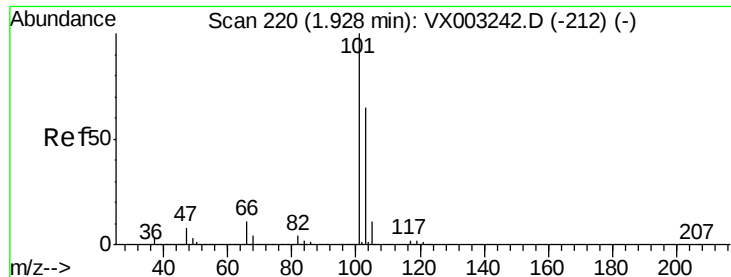
Tgt Ion: 64 Resp: 444

Ion Ratio Lower Upper

64 100

66 15.1 25.5 38.3#





#7

Trichlorofluoromethane

Concen: 0.25 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

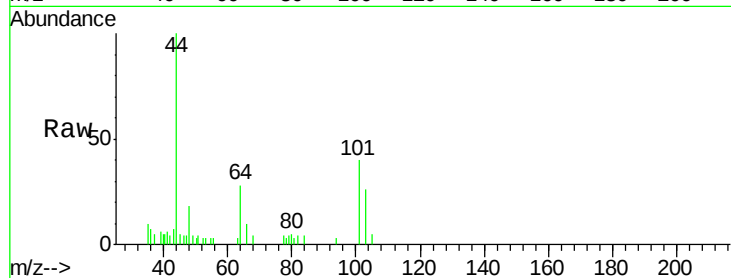
MDL-WATER-03-QT3-2018

Tot Ion:101 Resp: 1342

Ion Ratio Lower Upper

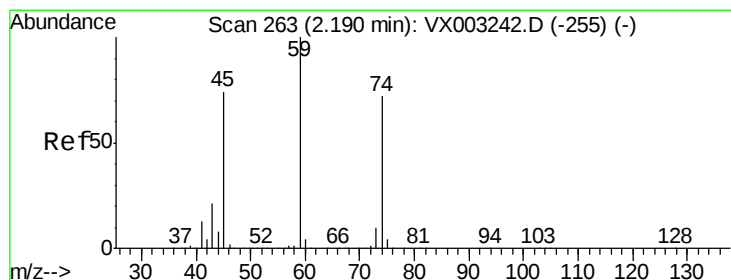
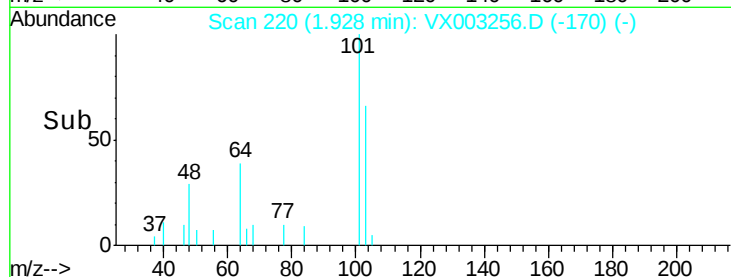
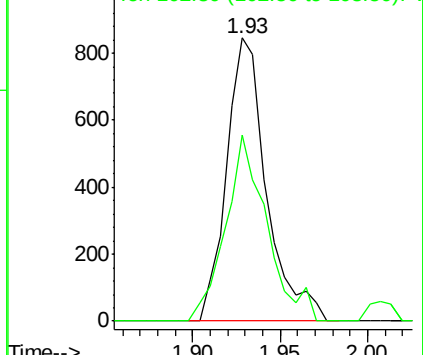
101 100

103 65.7 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: 0.24 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003256.D

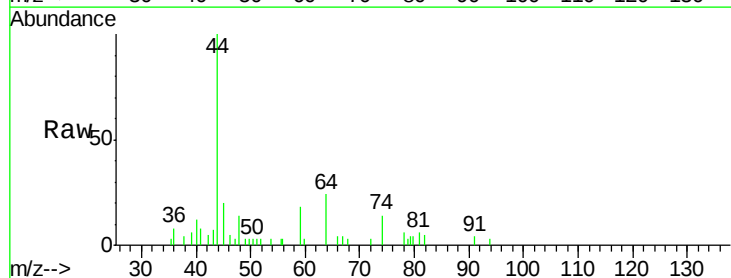
Acq: 09 Jul 2018 20:57

Tgt Ion: 74 Resp: 475

Ion Ratio Lower Upper

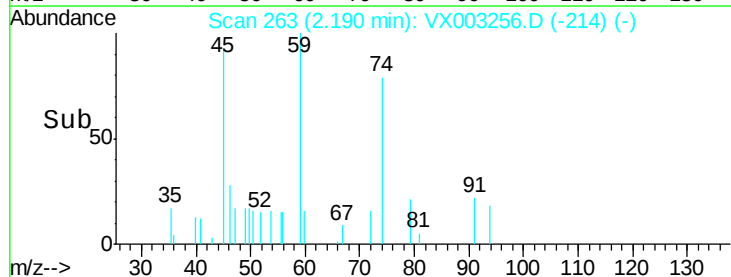
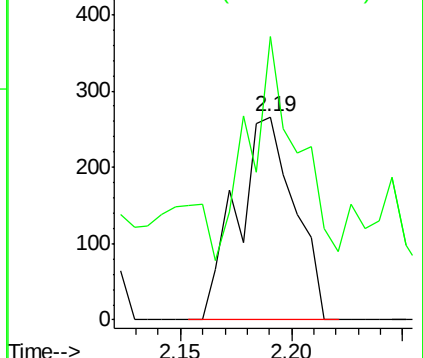
74 100

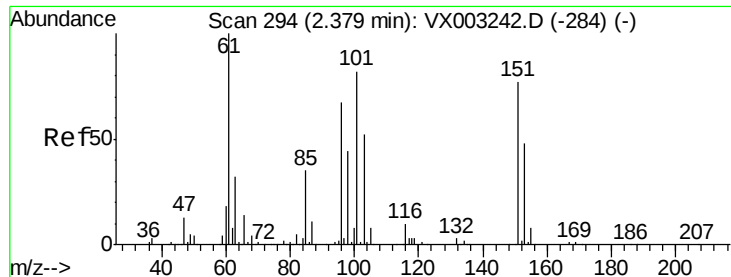
45 91.4 53.1 159.4



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: 0.30 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003256.D

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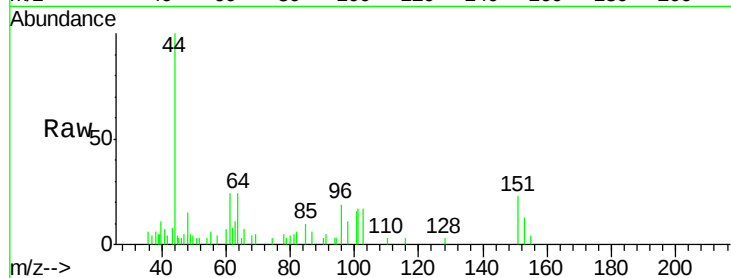
Tot Ion:101 Resp: 940

Ion Ratio Lower Upper

101 100

85 56.5 36.0 54.0#

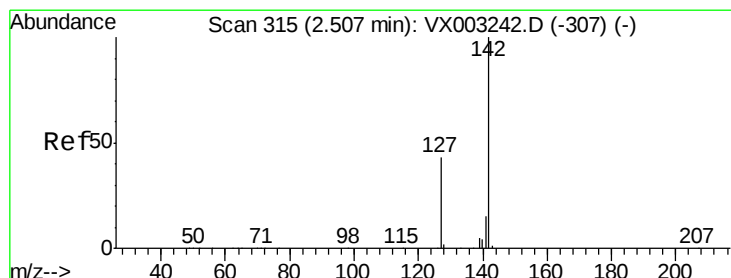
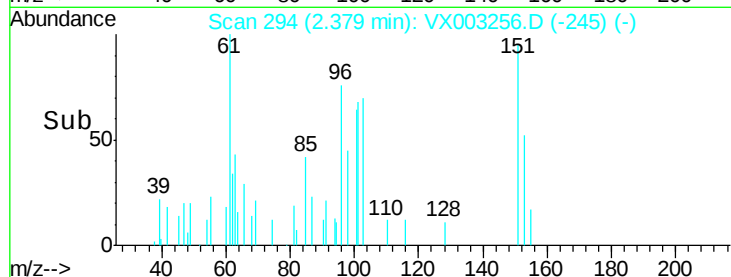
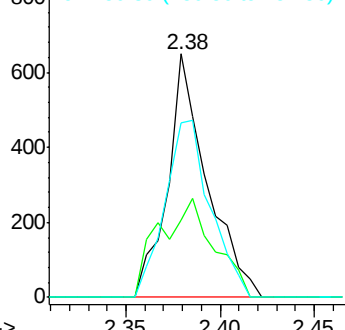
151 83.8 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.69 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

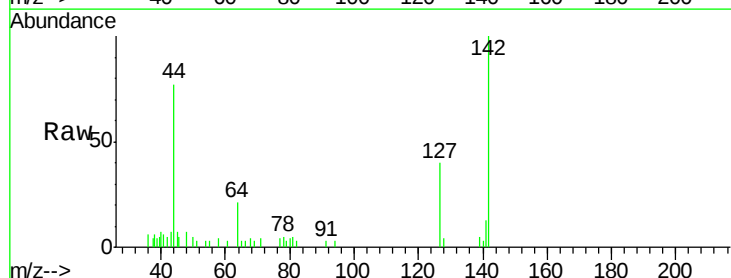
Tgt Ion:142 Resp: 4094

Ion Ratio Lower Upper

142 100

127 44.1 36.6 55.0

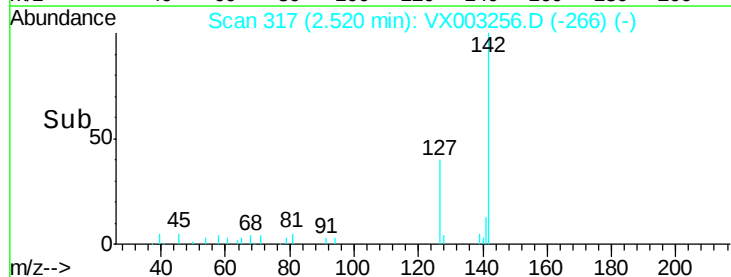
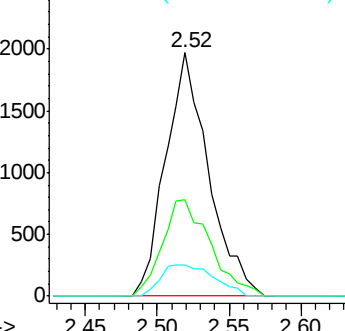
141 16.0 11.3 16.9

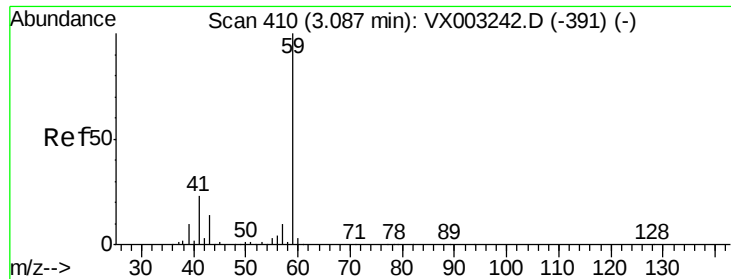


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



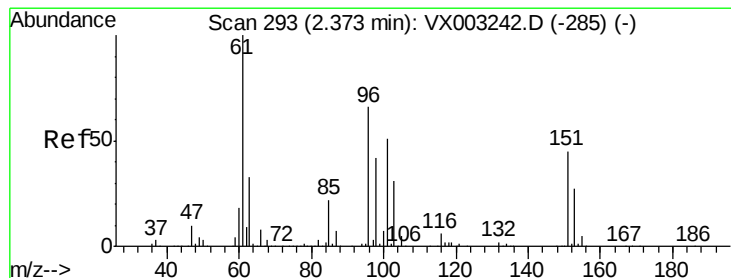
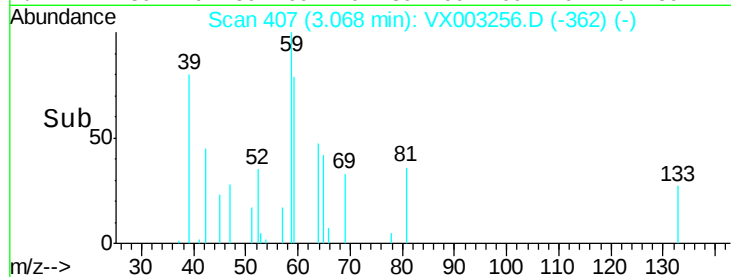
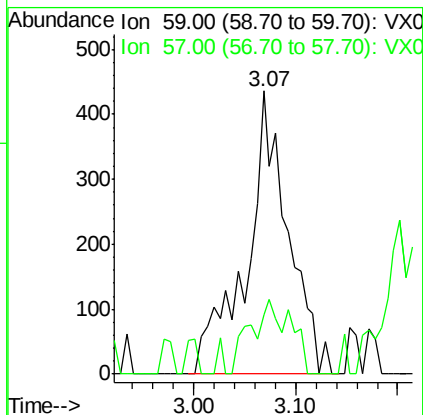
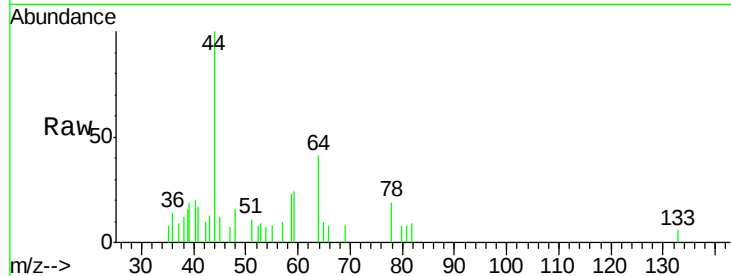


#11

Tert butyl alcohol
Concen: 1.71 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

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

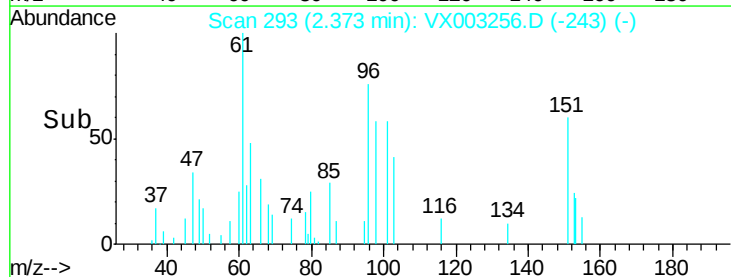
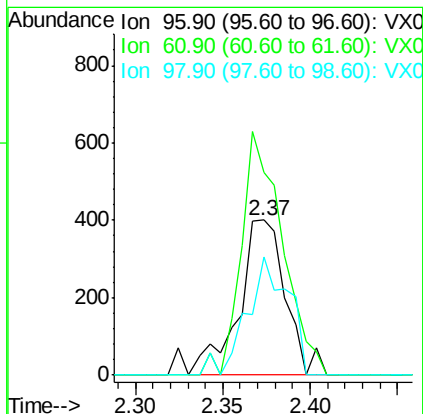
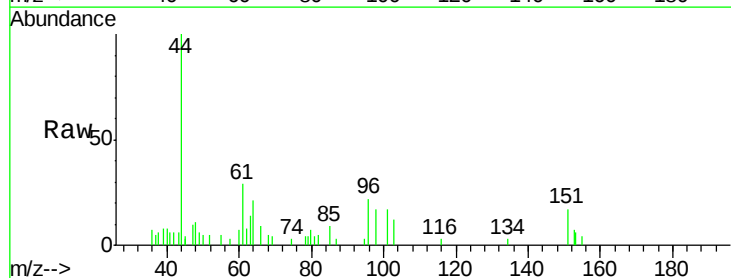
Tot Ion: 59 Resp: 1245
Ion Ratio Lower Upper
59 100
57 18.2 8.2 12.2#

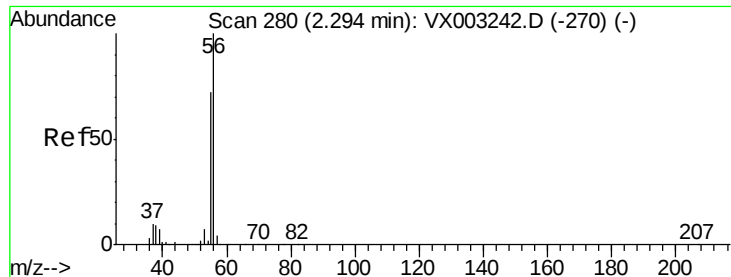


#12

1,1-Dichloroethene
Concen: 0.26 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 96 Resp: 745
Ion Ratio Lower Upper
96 100
61 131.0 137.9 206.9#
98 76.5 51.6 77.4





#13

Acrolein

Concen: 1.45 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

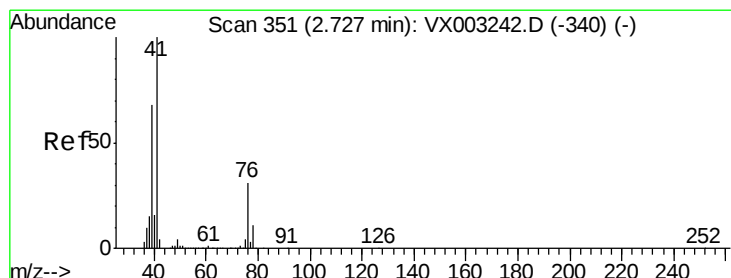
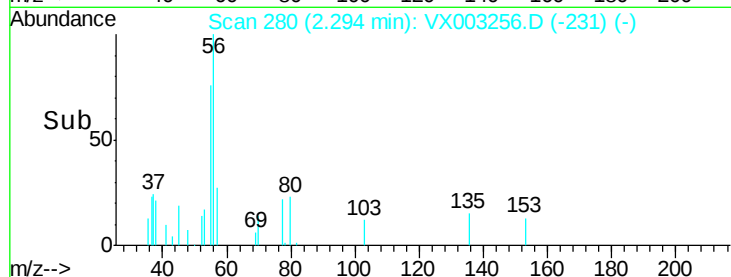
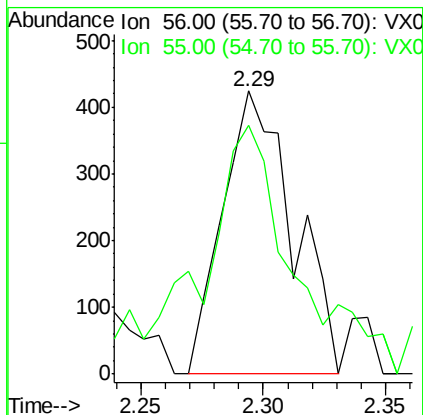
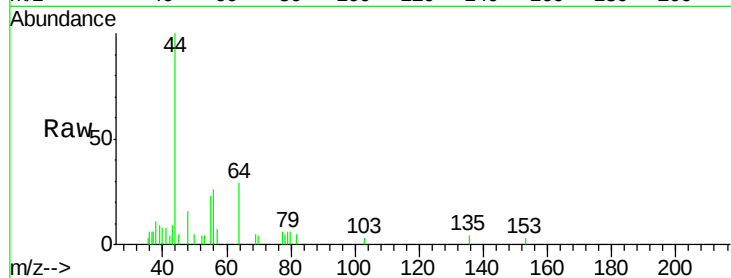
MDL-WATER-03-QT3-2018

Tot Ion: 56 Resp: 851

Ion Ratio Lower Upper

56 100

55 116.7 57.0 85.4#



#14

Allyl chloride

Concen: 0.25 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

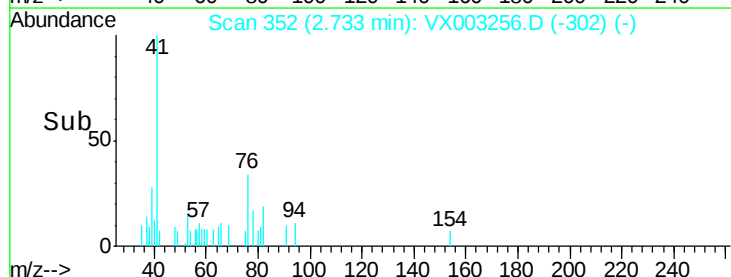
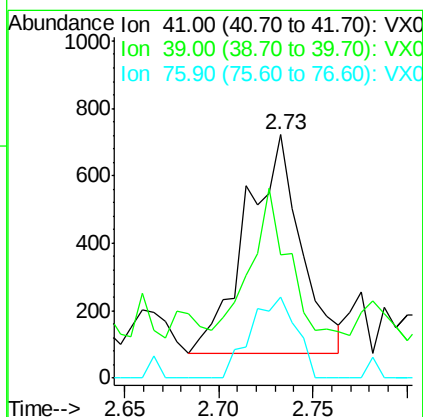
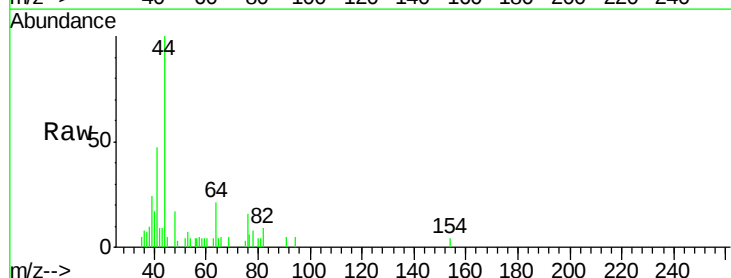
Tgt Ion: 41 Resp: 1307

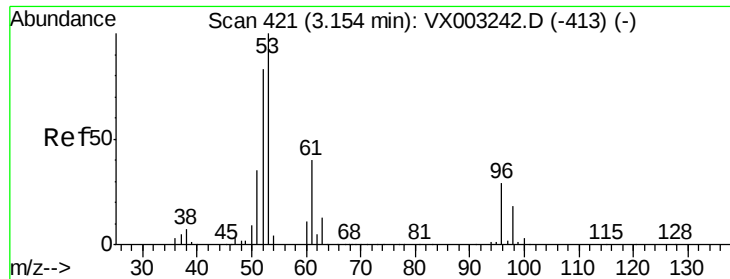
Ion Ratio Lower Upper

41 100

39 47.8 56.8 85.2#

76 30.9 23.8 35.8





#15

Acrylonitrile

Concen: 1.20 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

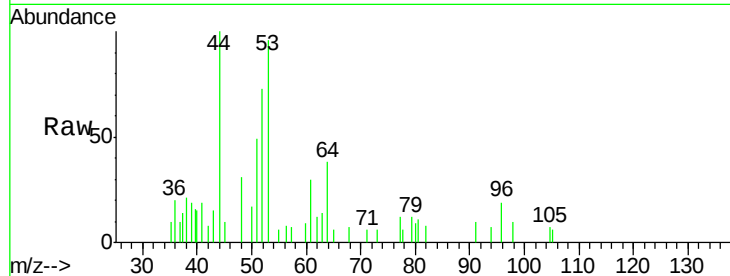
Tot Ion: 53 Resp: 1945

Ion Ratio Lower Upper

53 100

52 96.1 66.7 100.1

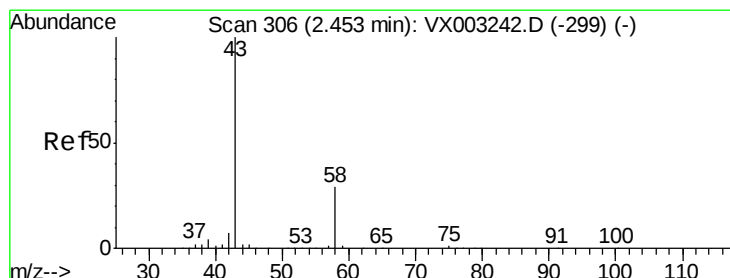
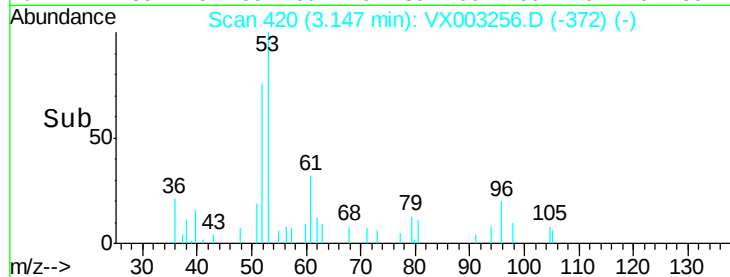
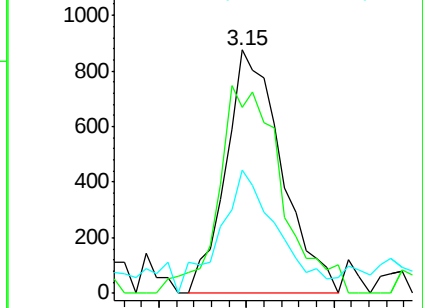
51 52.2 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003256.D

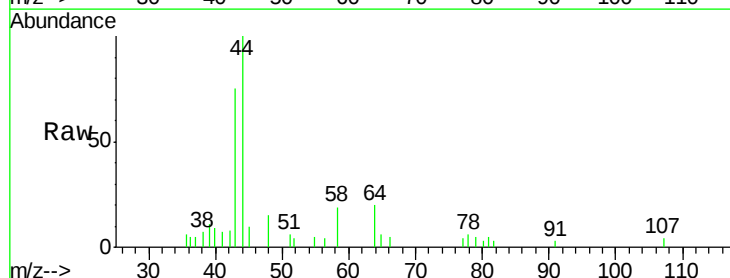
Acq: 09 Jul 2018 20:57

Tgt Ion: 43 Resp: 2364

Ion Ratio Lower Upper

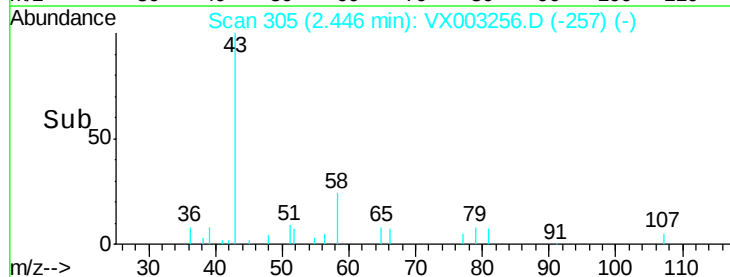
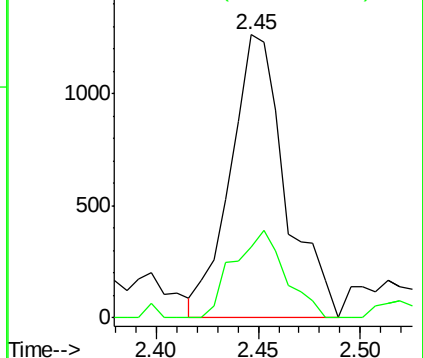
43 100

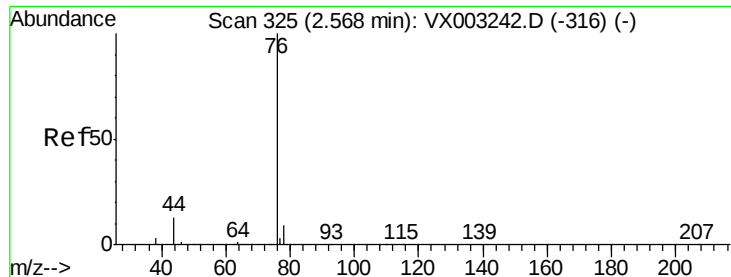
58 25.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

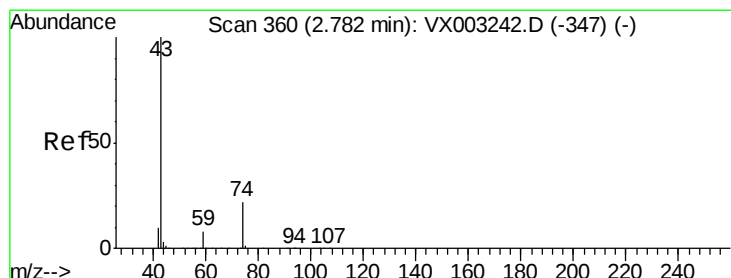
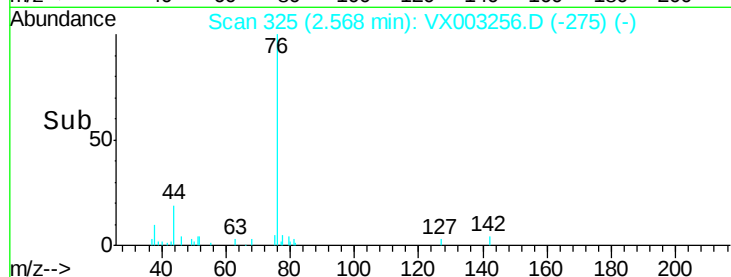
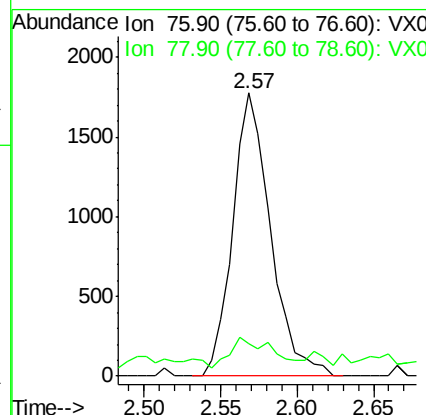
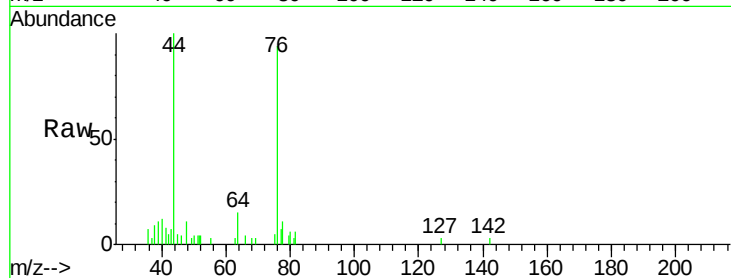




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

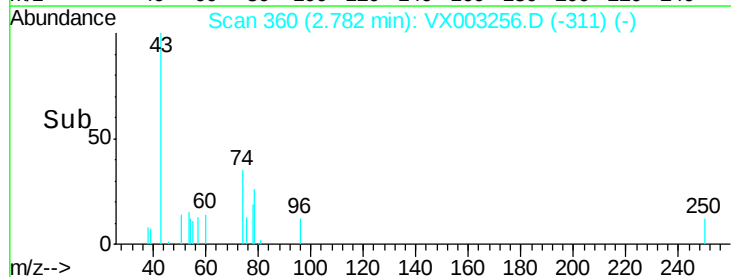
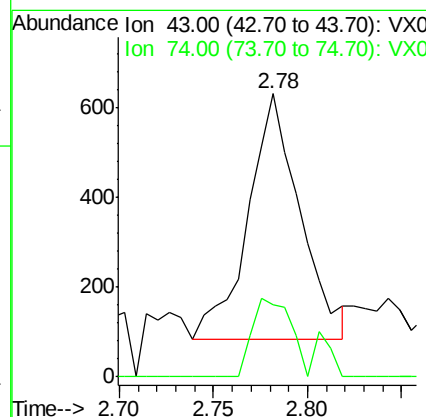
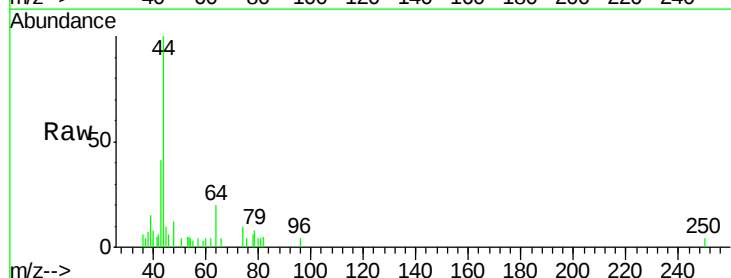
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

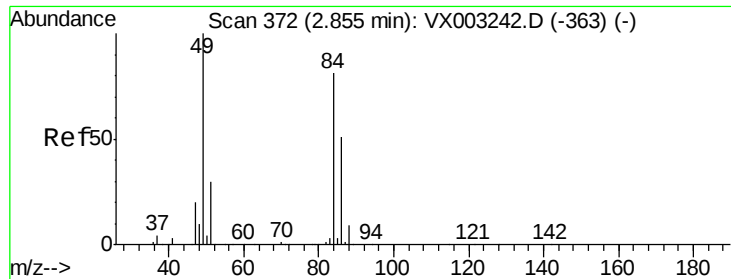
Tot Ion: 76 Resp: 3046
Ion Ratio Lower Upper
76 100
78 5.7 6.9 10.3#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 23.8 16.7 25.1

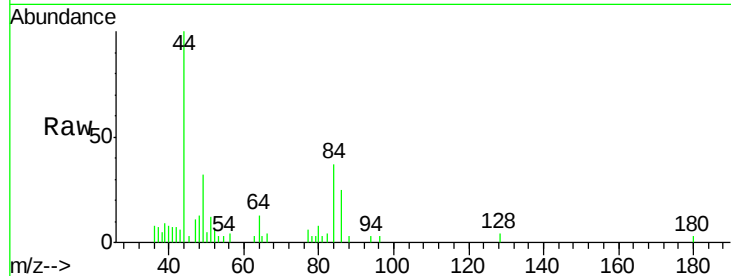




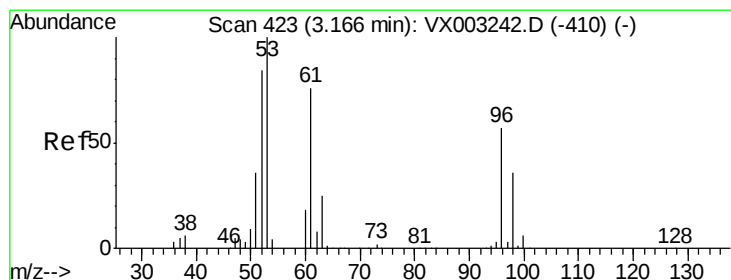
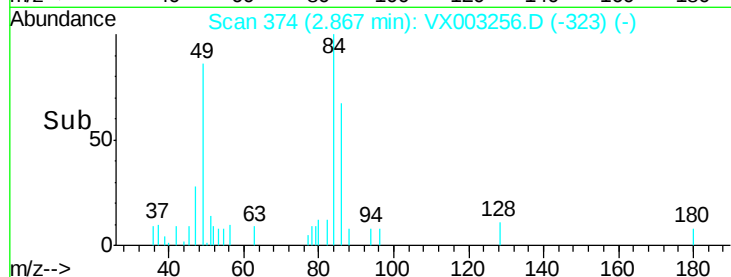
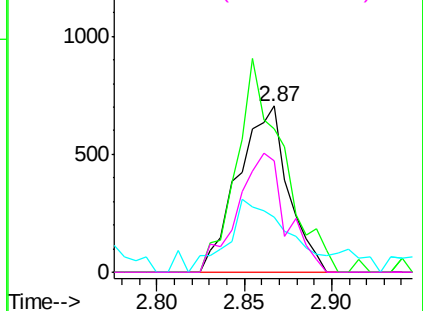
#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

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

Tot Ion: 84 Resp: 1405
Ion Ratio Lower Upper
84 100
49 86.4 107.8 161.6#
51 33.2 32.8 49.2
86 66.9 52.5 78.7

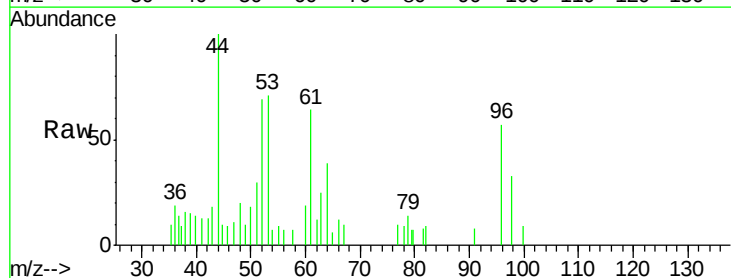


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

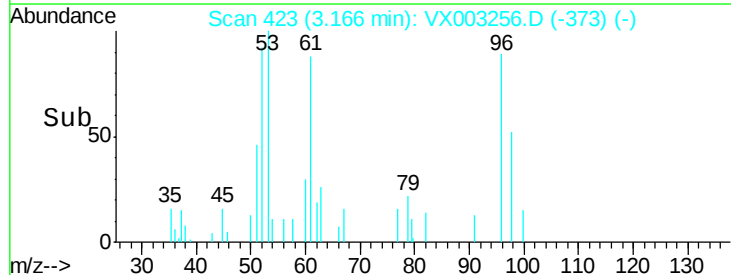
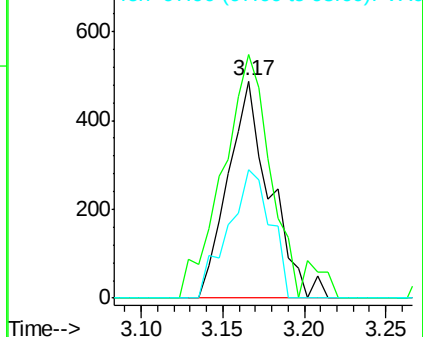


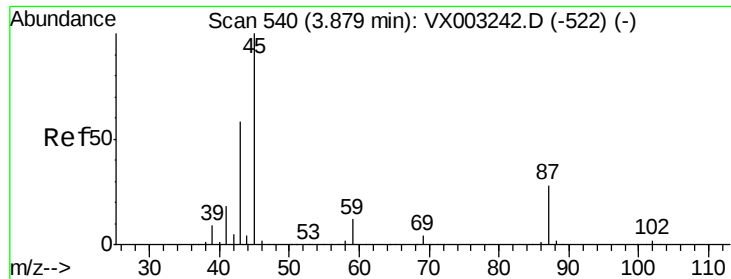
#21
trans-1,2-Dichloroethene
Concen: 0.29 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 96 Resp: 875
Ion Ratio Lower Upper
96 100
61 112.1 117.0 175.4#
98 58.9 52.4 78.6



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

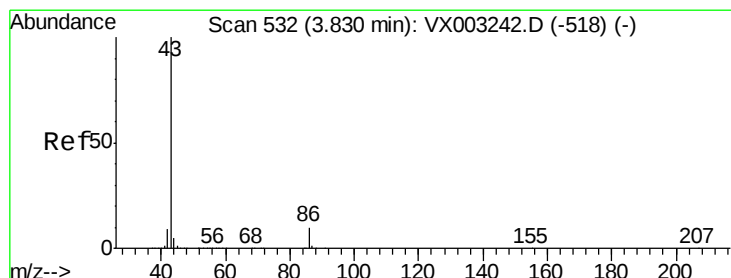
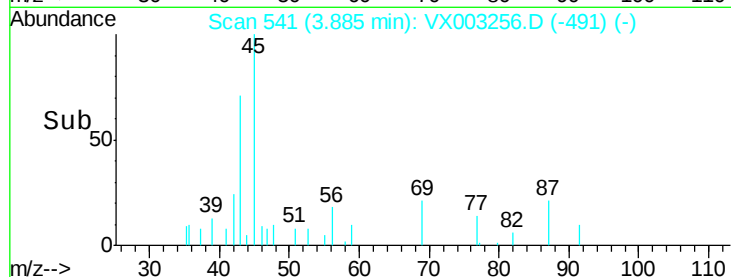
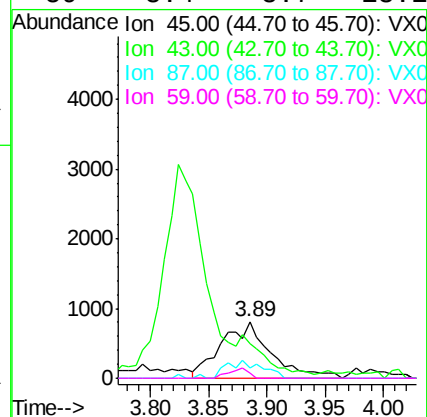
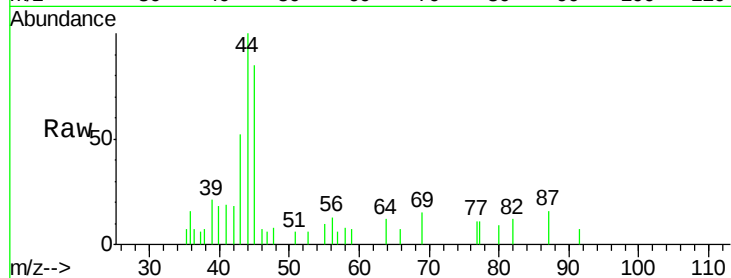




#22
Diisopropyl ether
Concen: 0.22 ug/l
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

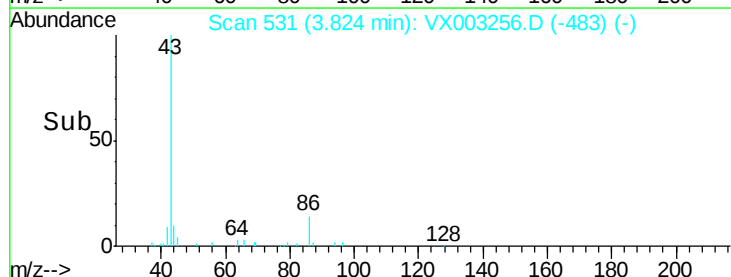
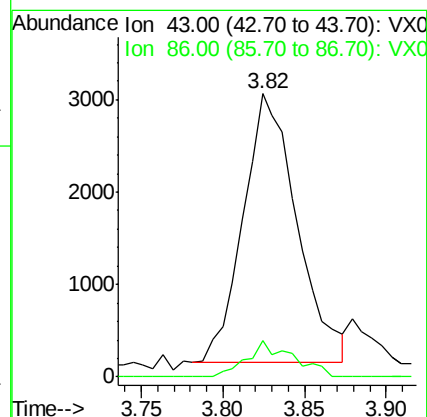
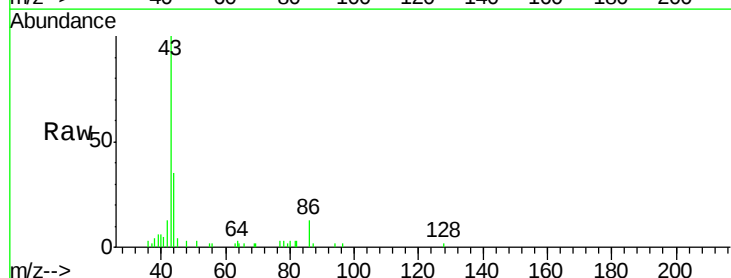
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

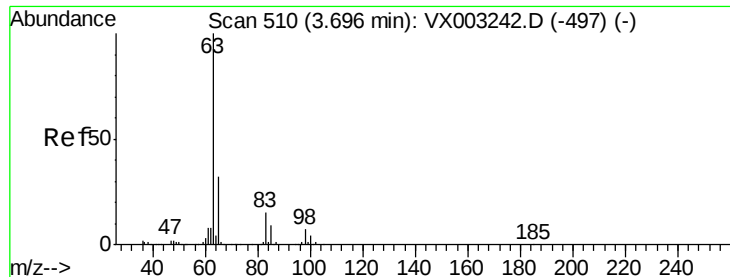
Tot Ion: 45 Resp: 2383
Ion Ratio Lower Upper
45 100
43 52.2 46.8 70.2
87 18.2 20.2 30.4#
59 8.4 8.7 13.1#



#23
Vinyl Acetate
Concen: 0.72 ug/l
RT: 3.82 min Scan# 531
Delta R.T. -0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 43 Resp: 6636
Ion Ratio Lower Upper
43 100
86 13.4 7.4 11.0#





#24

1,1-Dichloroethane

Concen: 0.25 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

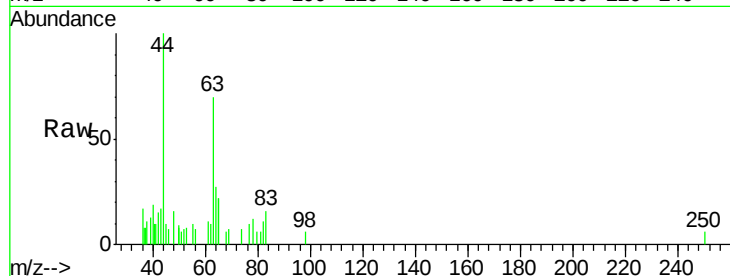
Tot Ion: 63 Resp: 1409

Ion Ratio Lower Upper

63 100

98 8.5 3.4 10.2

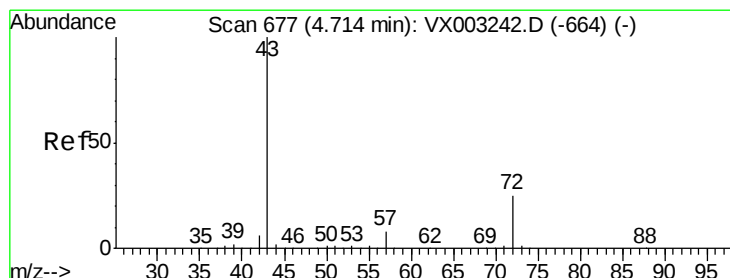
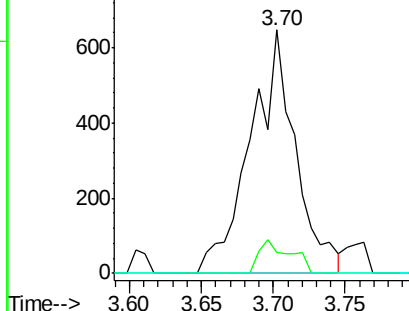
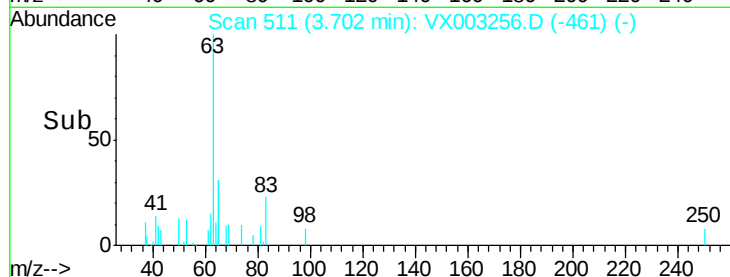
100 0.0 2.0 6.0#



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: 1.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003256.D

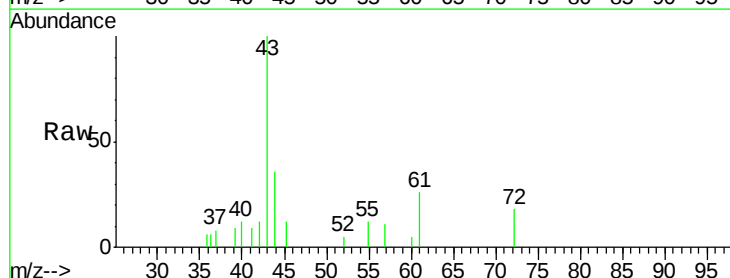
Acq: 09 Jul 2018 20:57

Tgt Ion: 43 Resp: 2516

Ion Ratio Lower Upper

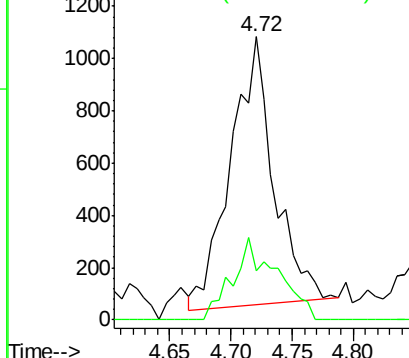
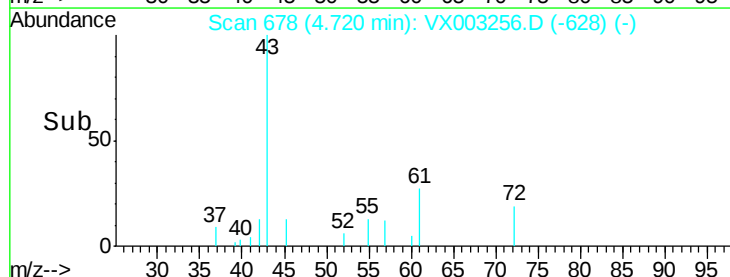
43 100

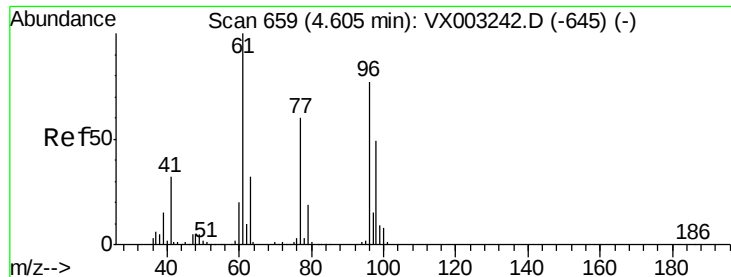
72 19.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.26 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

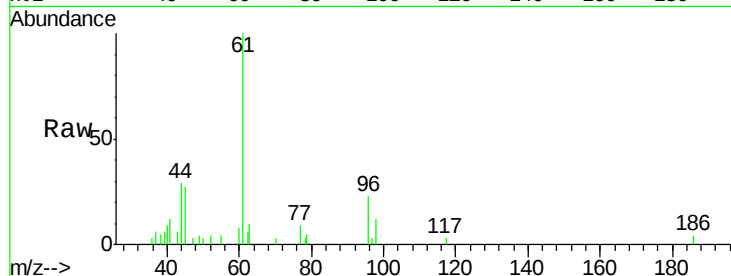
Tot Ion: 96 Resp: 960

Ion Ratio Lower Upper

96 100

61 1371.3 0.0 330.2#

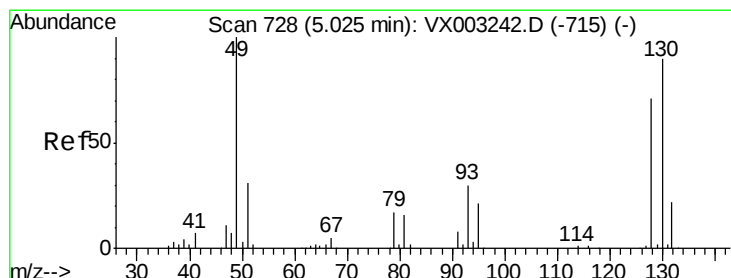
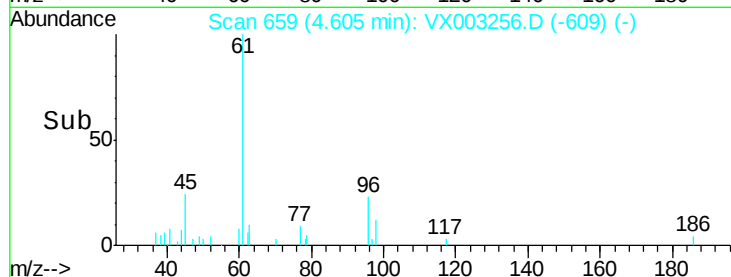
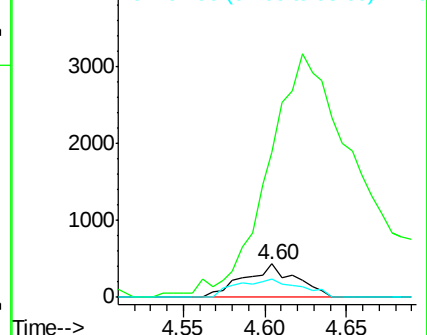
98 65.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 0.25 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

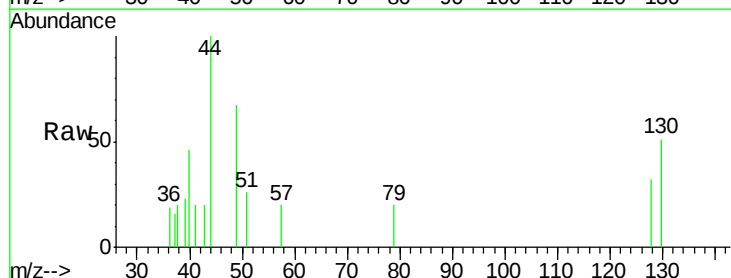
Tgt Ion: 49 Resp: 704

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

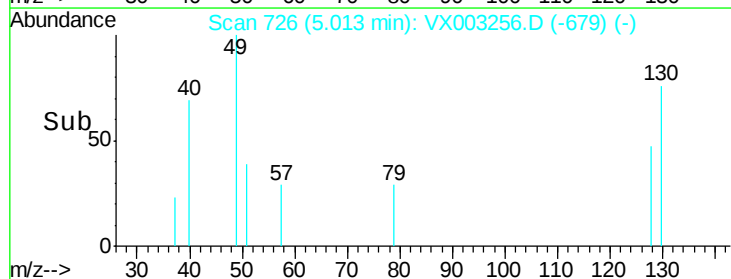
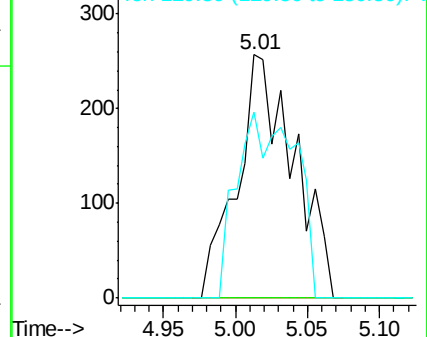
130 38.2 61.2 91.8#

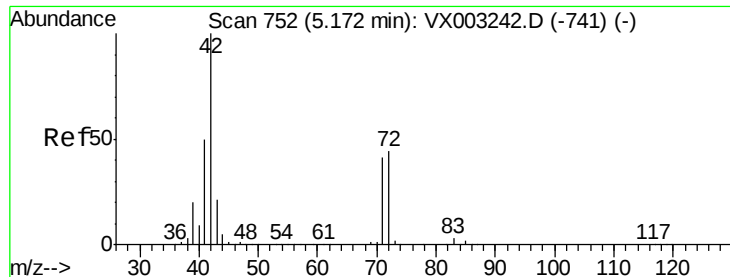


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.53 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

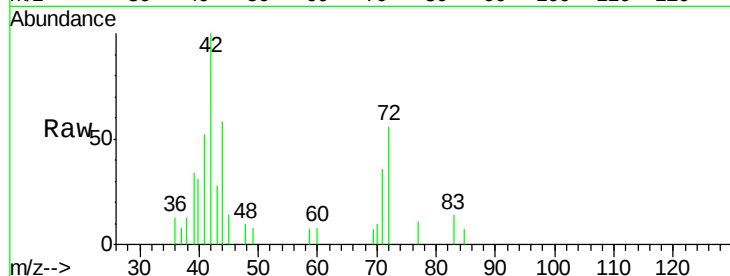
Tot Ion: 42 Resp: 2501

Ion Ratio Lower Upper

42 100

72 39.8 32.0 48.0

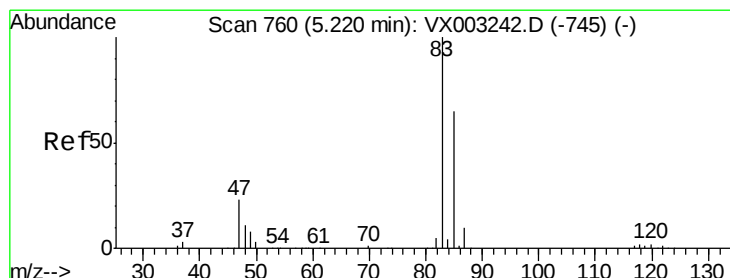
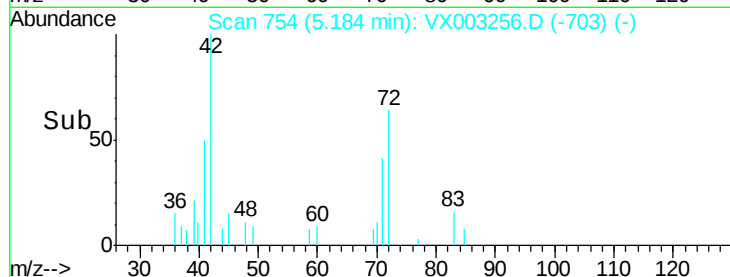
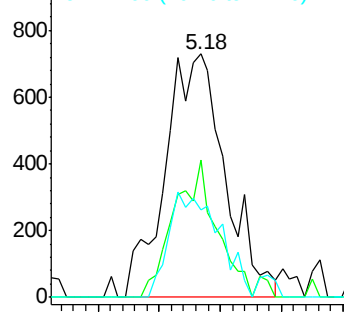
71 36.1 30.1 45.1



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: 0.23 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003256.D

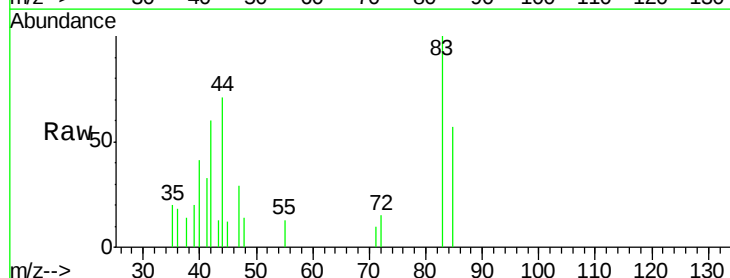
Acq: 09 Jul 2018 20:57

Tgt Ion: 83 Resp: 1451

Ion Ratio Lower Upper

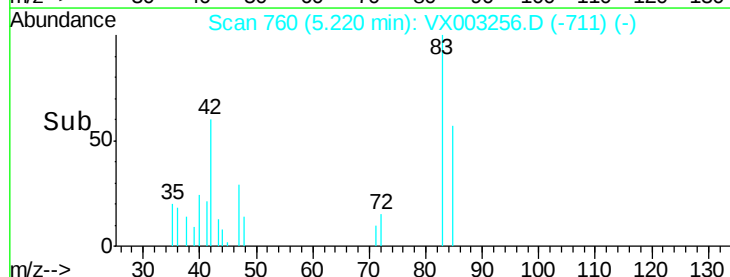
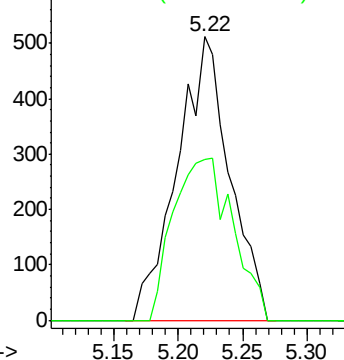
83 100

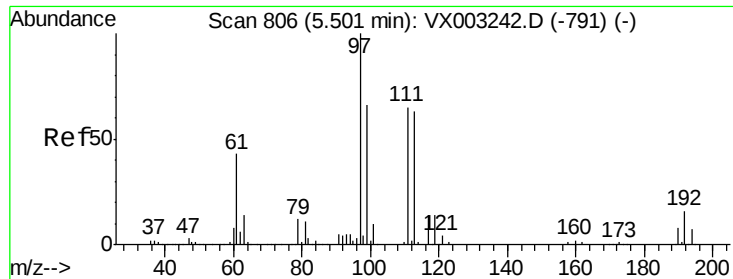
85 56.8 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.22 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

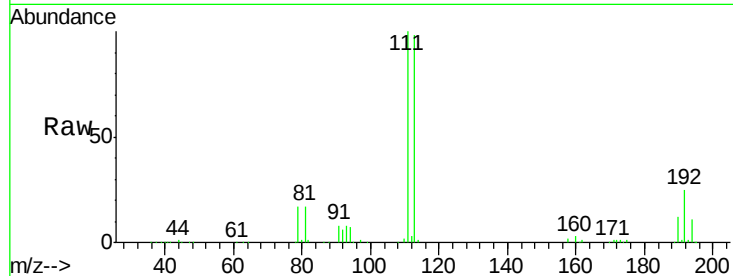
Tot Ion: 97 Resp: 1220

Ion Ratio Lower Upper

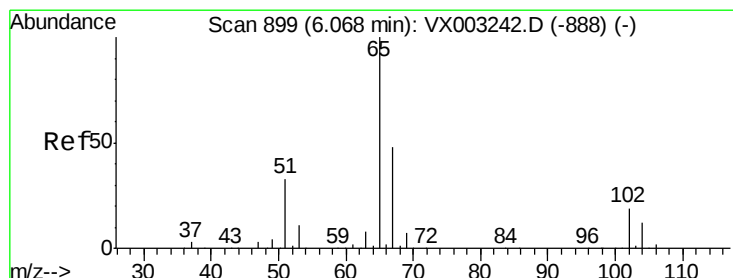
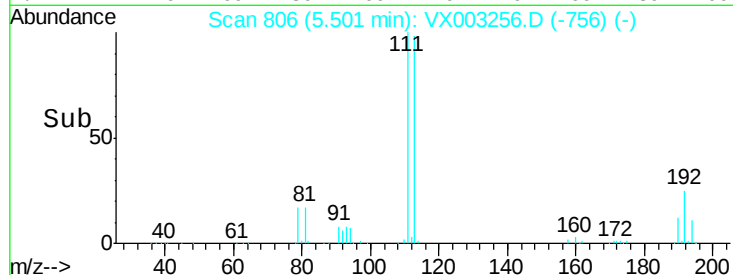
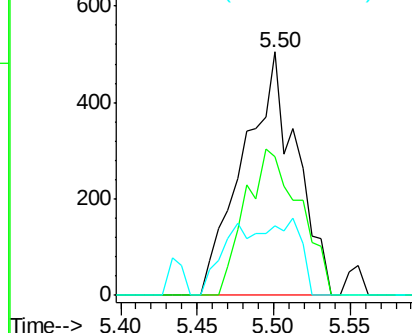
97 100

99 0.0 51.6 77.4#

61 0.0 36.4 54.6#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.14 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003256.D

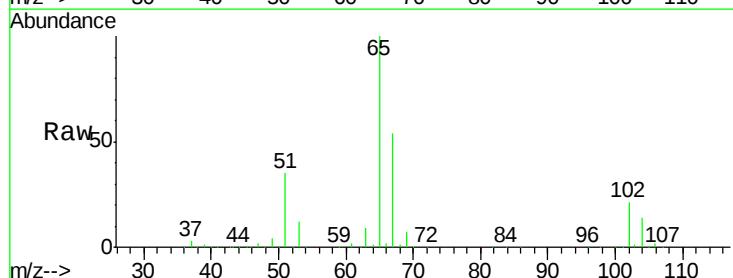
Acq: 09 Jul 2018 20:57

Tgt Ion: 65 Resp: 209450

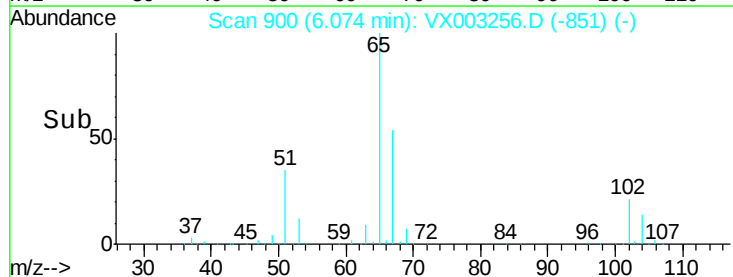
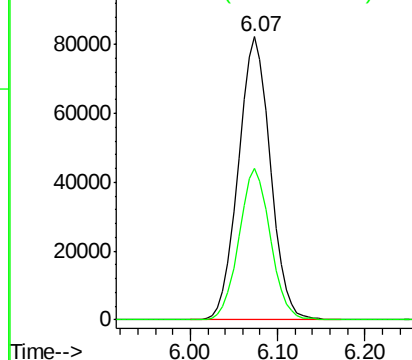
Ion Ratio Lower Upper

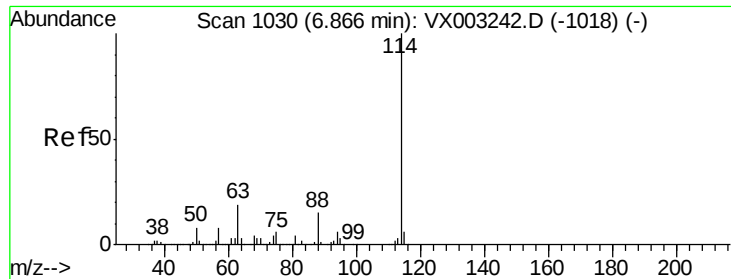
65 100

67 52.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

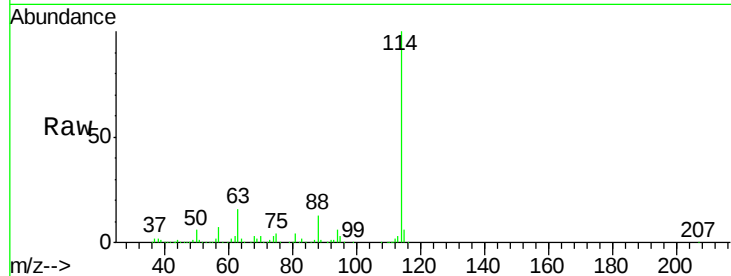
Tot Ion:114 Resp: 335131

Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.4

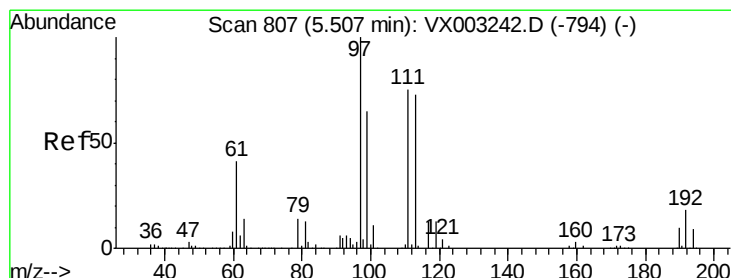
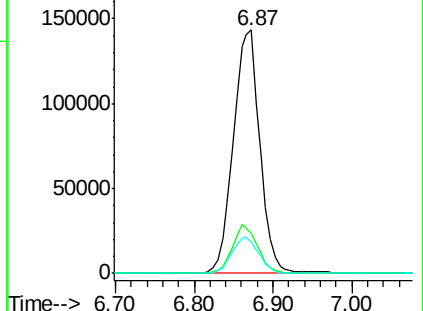
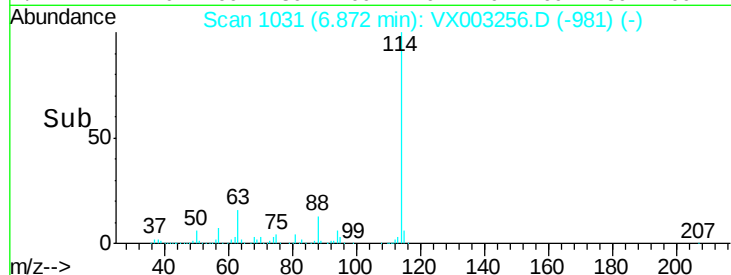
88 12.6 0.0 30.0



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: 48.99 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

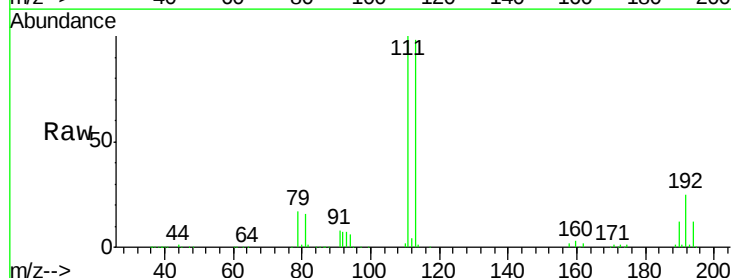
Tgt Ion:113 Resp: 176369

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

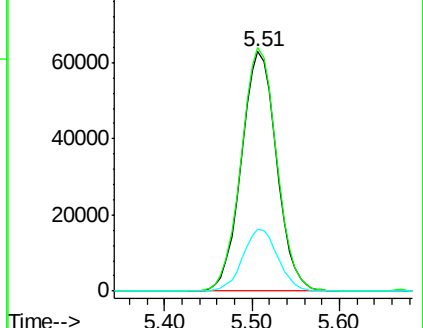
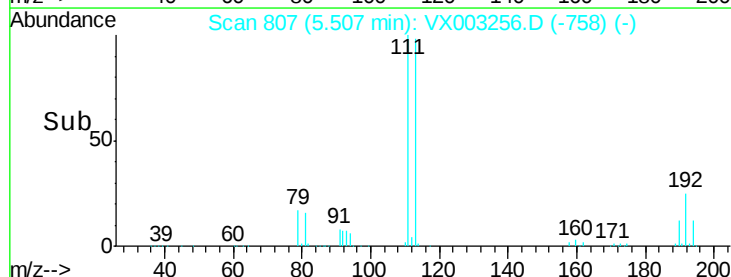
192 25.9 19.1 28.7

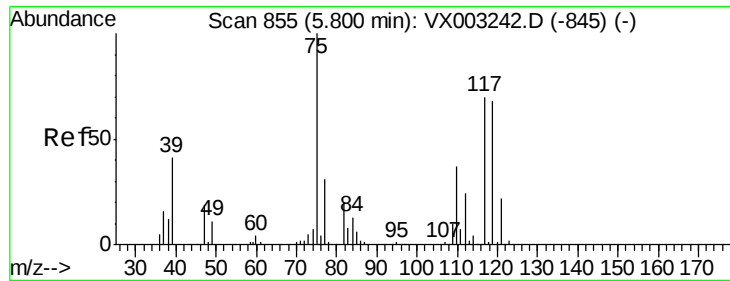


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

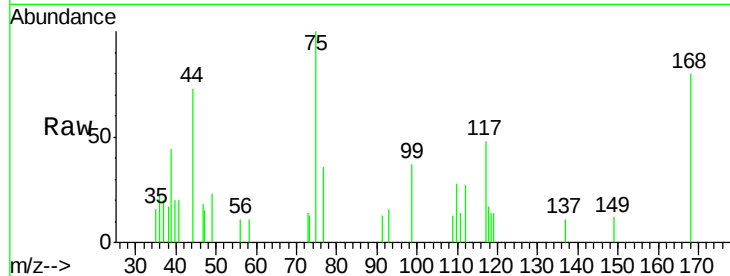




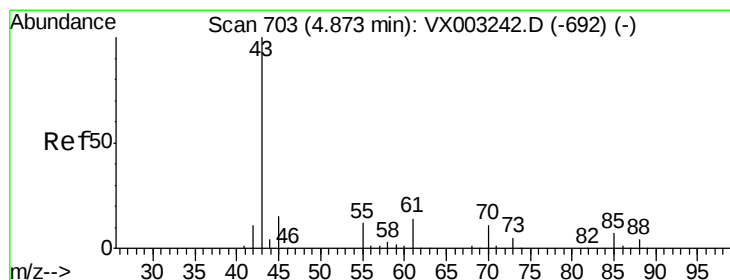
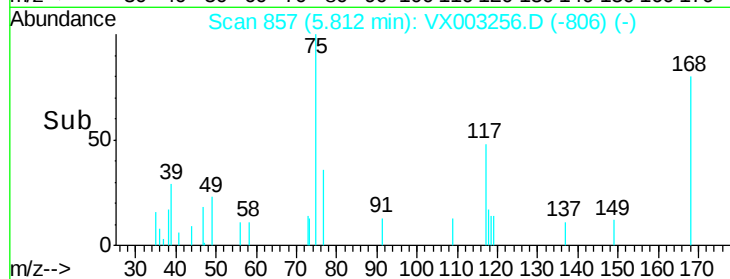
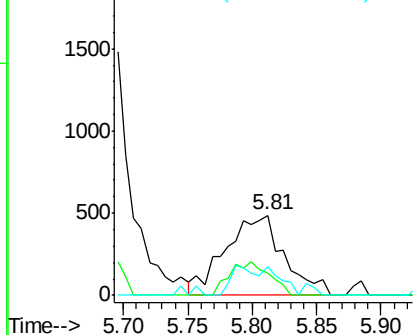
#36
 1,1-Dichloropropene
 Concen: 0.32 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

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

Tot Ion: 75 Resp: 1541
 Ion Ratio Lower Upper
 75 100
 110 29.0 18.1 54.4
 77 0.0 24.3 36.5#

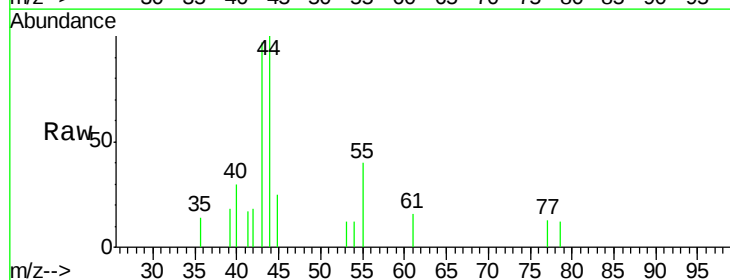


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

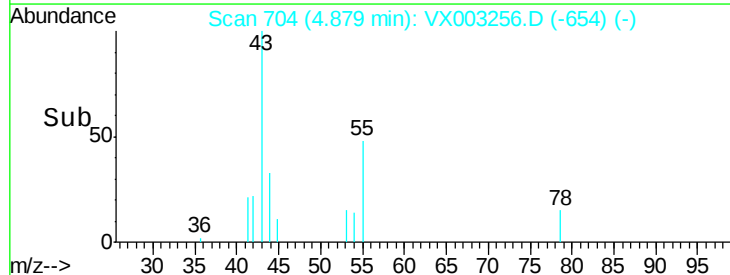
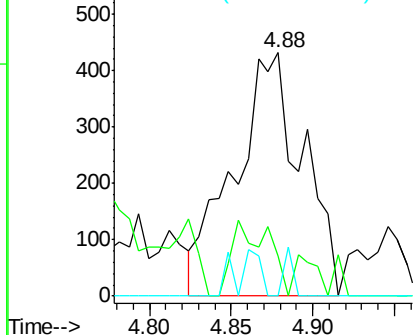


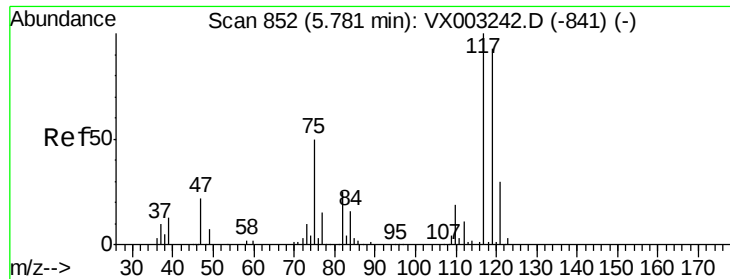
#37
 Ethyl Acetate
 Concen: 0.24 ug/l
 RT: 4.88 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

Tgt Ion: 43 Resp: 1258
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 2.5 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

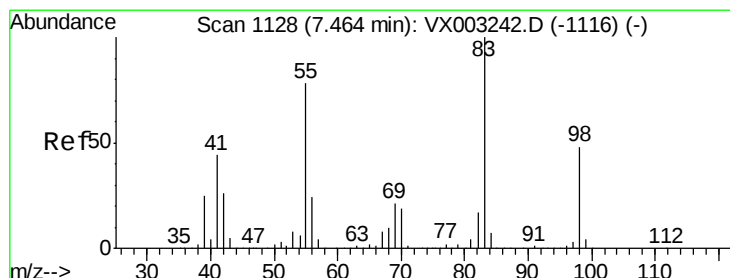
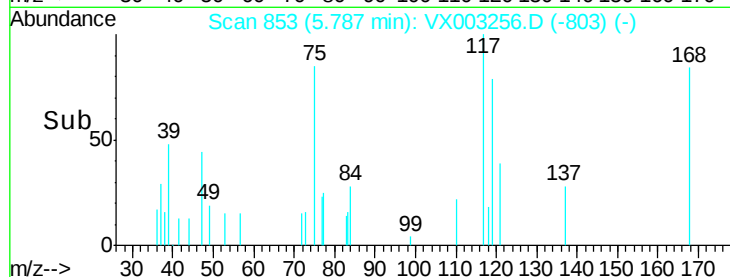
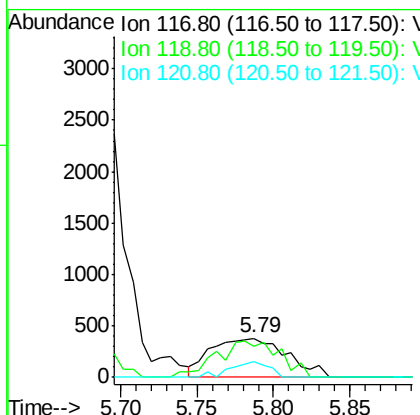
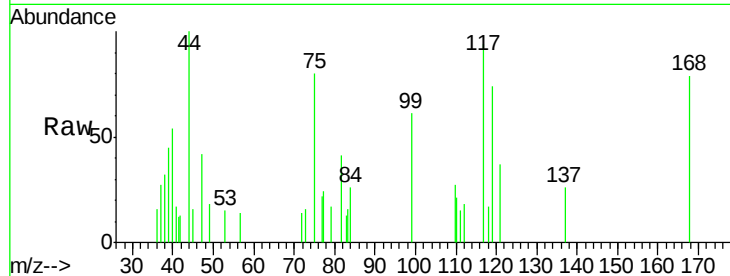




#38
Carbon Tetrachloride
Concen: 0.25 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

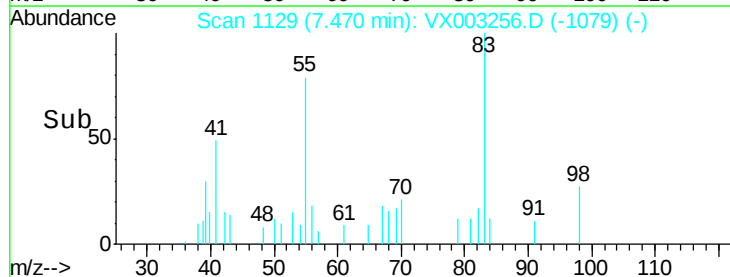
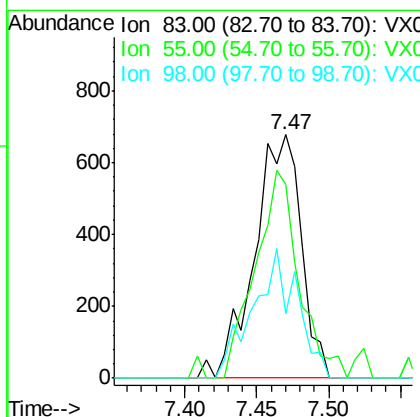
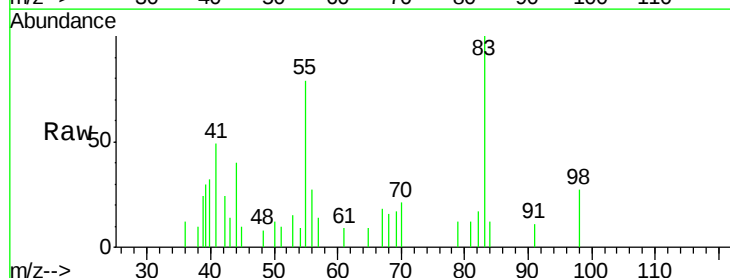
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

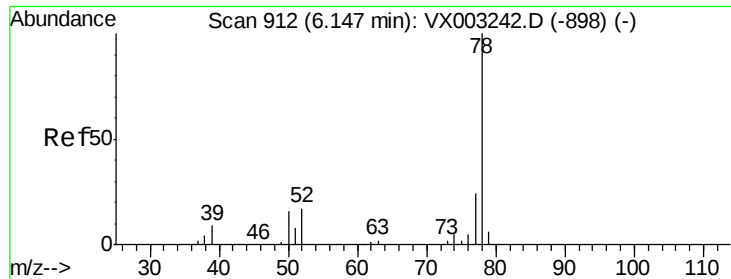
Tot Ion:117 Resp: 1310
Ion Ratio Lower Upper
117 100
119 79.1 77.4 116.0
121 39.3 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.28 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 83 Resp: 1538
Ion Ratio Lower Upper
83 100
55 79.5 65.4 98.0
98 26.7 37.4 56.0#





#40

Benzene

Concen: 0.20 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

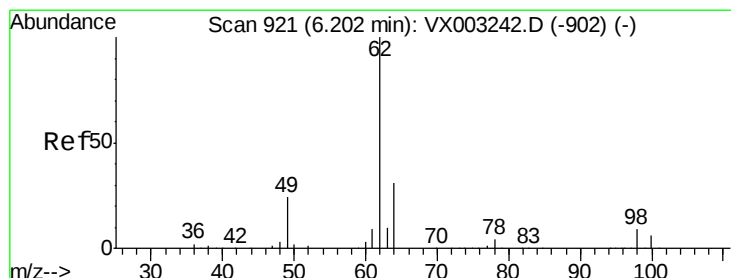
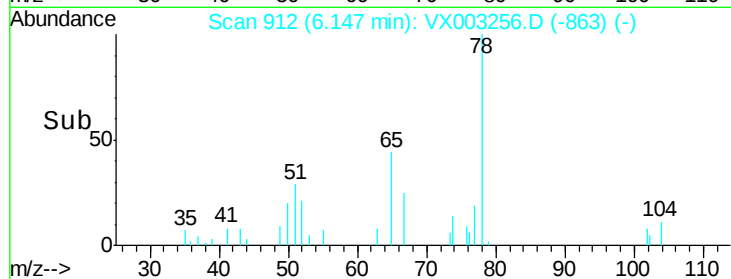
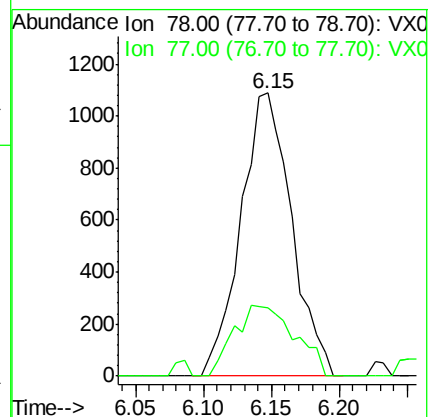
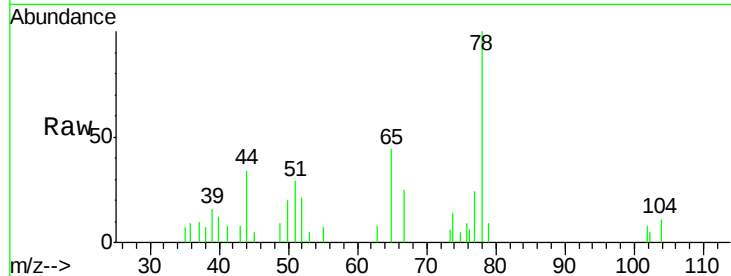
MDL-WATER-03-QT3-2018

Tot Ion: 78 Resp: 2836

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7



#42

1,2-Dichloroethane

Concen: 0.21 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX003256.D

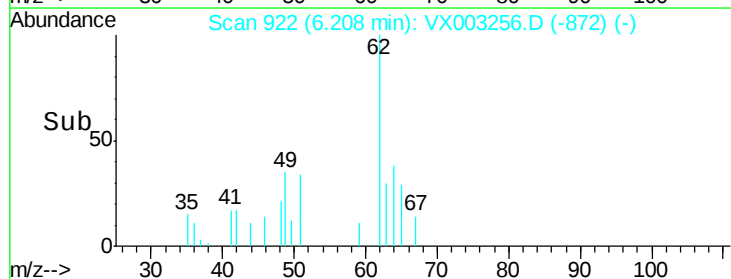
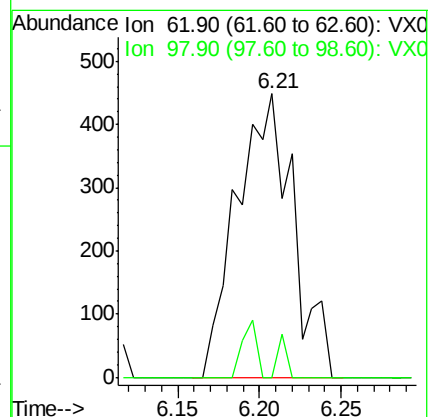
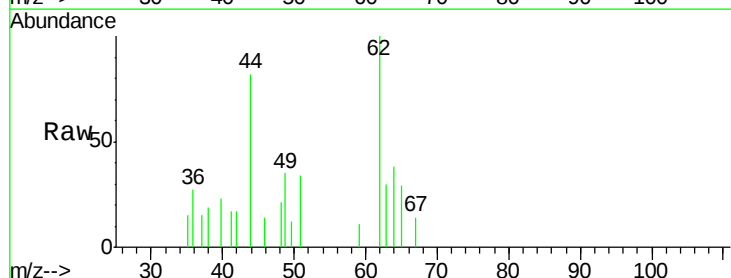
Acq: 09 Jul 2018 20:57

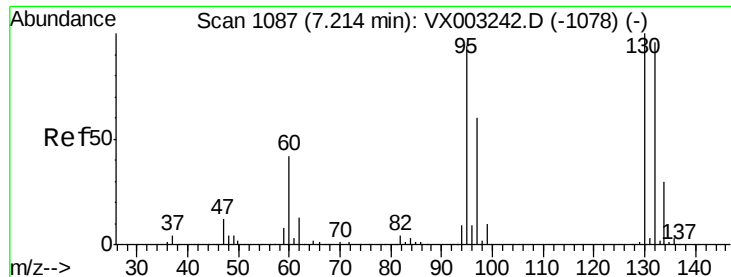
Tgt Ion: 62 Resp: 1078

Ion Ratio Lower Upper

62 100

98 2.3 0.0 16.6





#44

Trichloroethene

Concen: 0.25 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

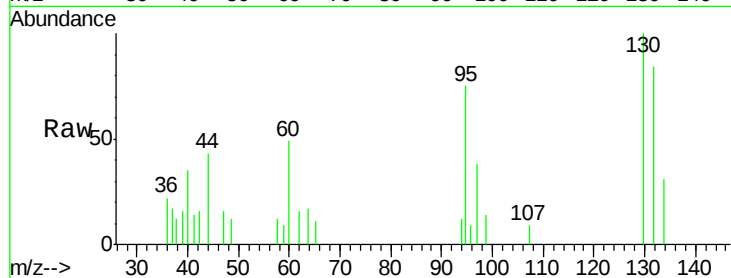
MDL-WATER-03-QT3-2018

Tot Ion:130 Resp: 1042

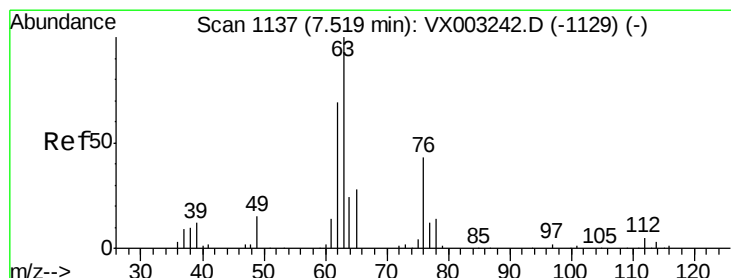
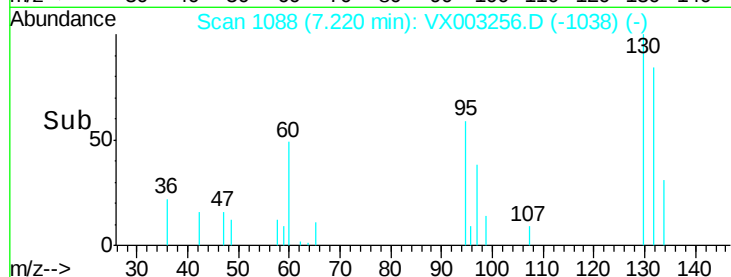
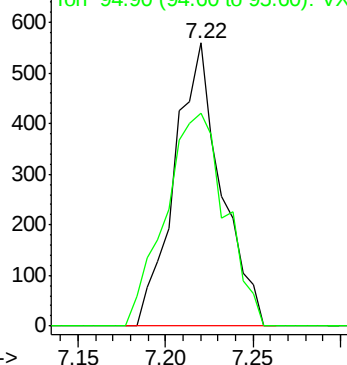
Ion Ratio Lower Upper

130 100

95 75.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 0.22 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003256.D

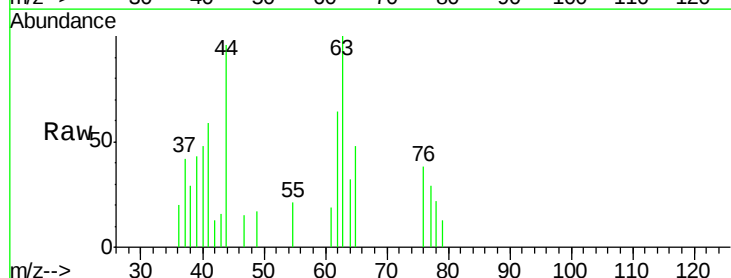
Acq: 09 Jul 2018 20:57

Tgt Ion: 63 Resp: 818

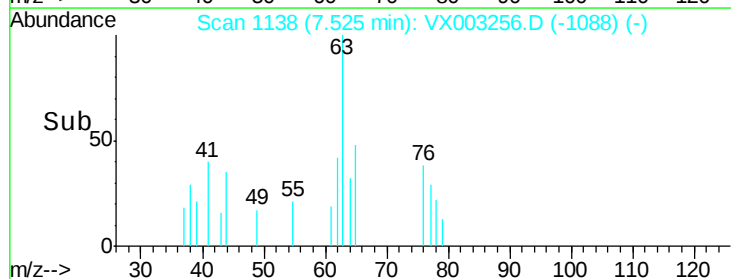
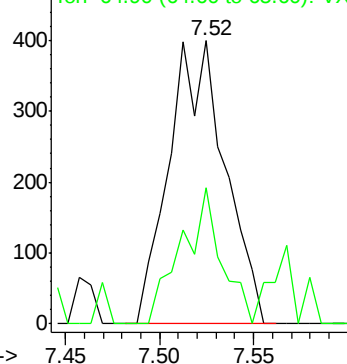
Ion Ratio Lower Upper

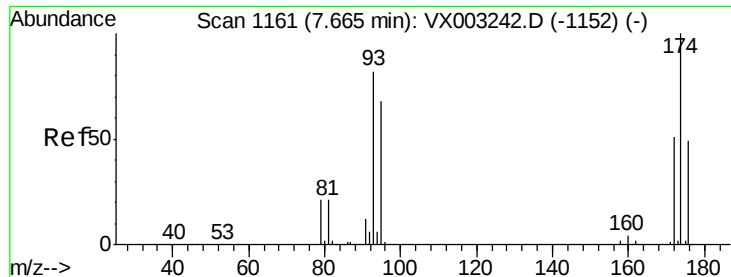
63 100

65 48.1 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0





#46

Dibromomethane

Concen: 0.21 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

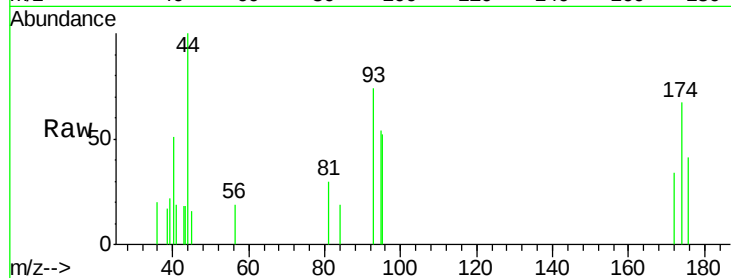
Tot Ion: 93 Resp: 517

Ion Ratio Lower Upper

93 100

95 111.6 65.9 98.9#

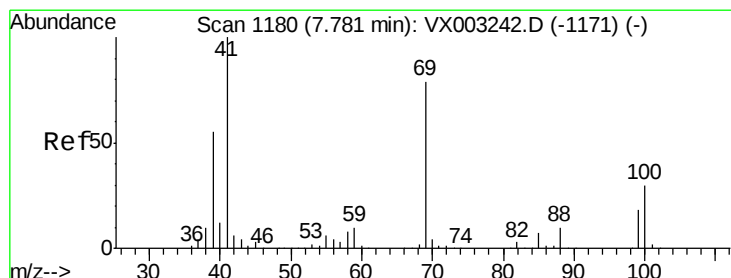
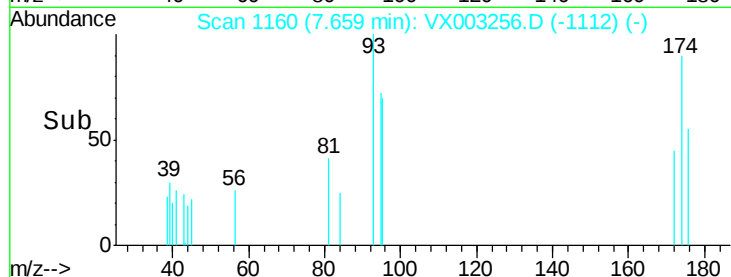
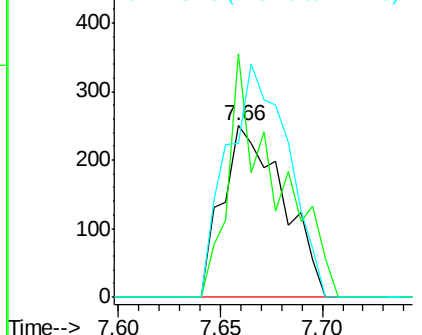
174 136.0 92.4 138.6



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



#48

Methyl methacrylate

Concen: 0.27 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

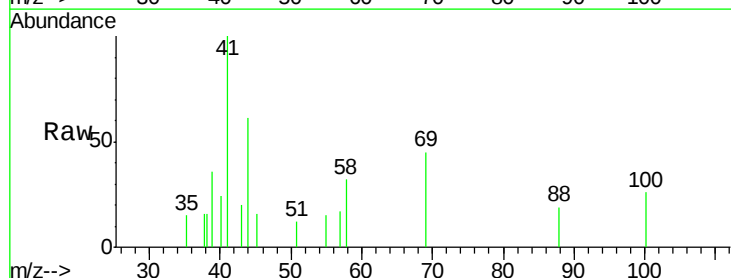
Tgt Ion: 41 Resp: 1128

Ion Ratio Lower Upper

41 100

69 59.0 59.1 88.7#

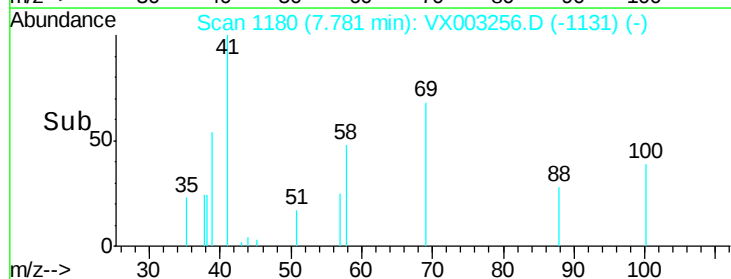
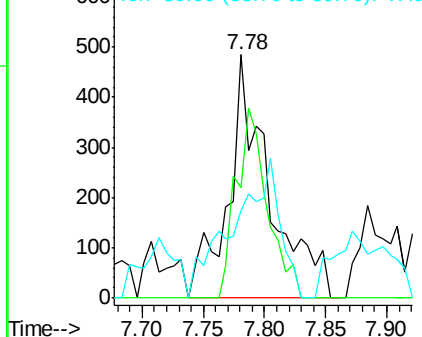
39 0.0 48.9 73.3#

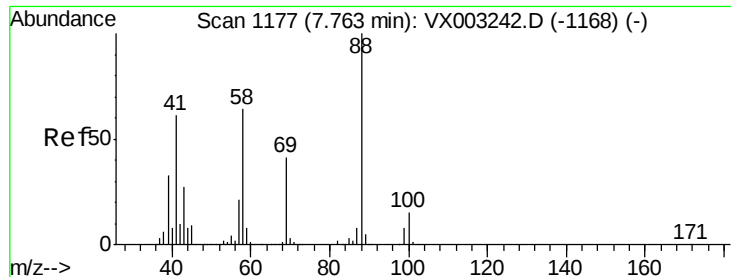


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

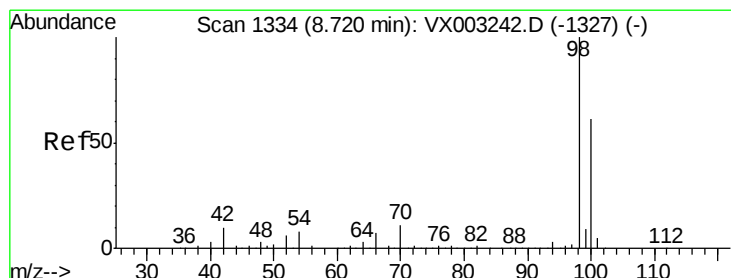
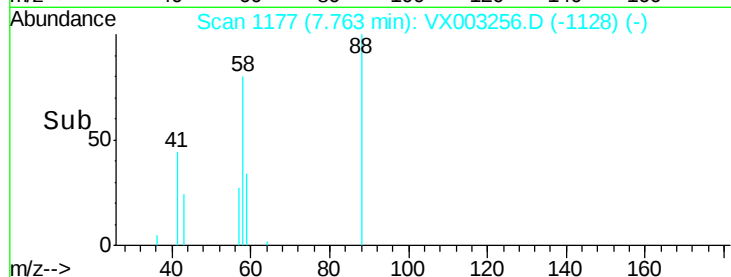
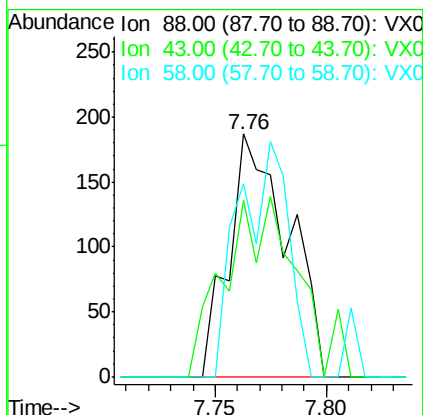
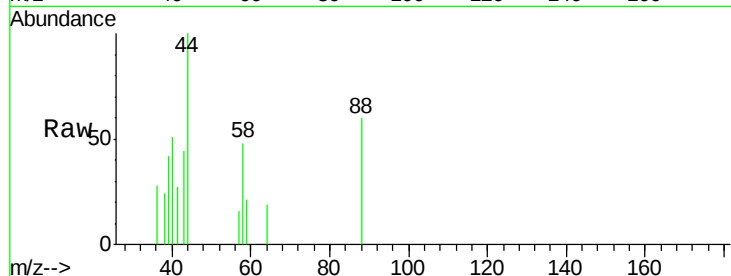




#49
1,4-Dioxane
Concen: 3.94 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

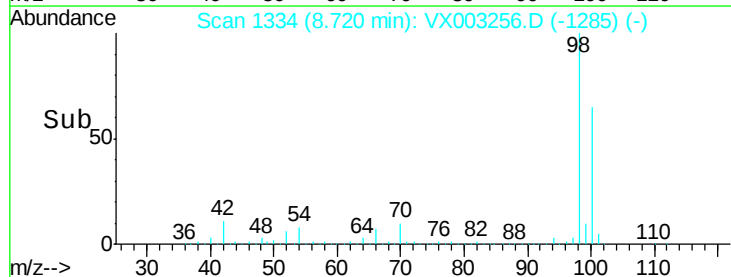
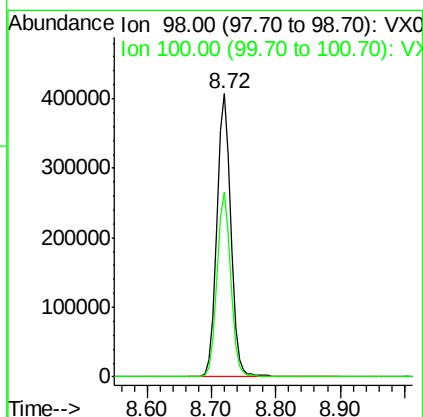
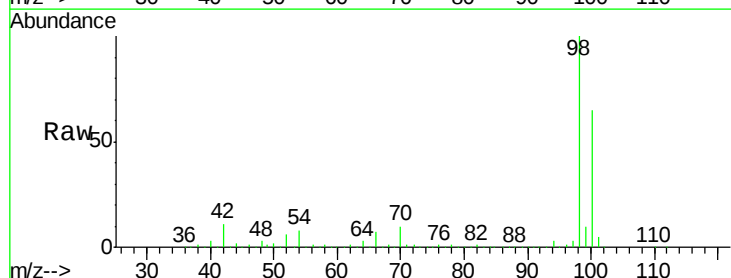
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

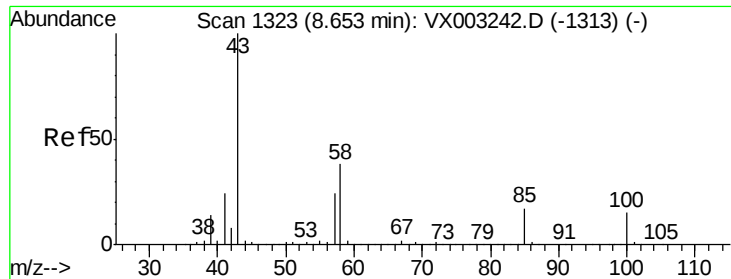
Tot Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 91.3 29.8 44.6#
58 80.6 57.1 85.7



#50
Toluene-d8
Concen: 49.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 98 Resp: 629589
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

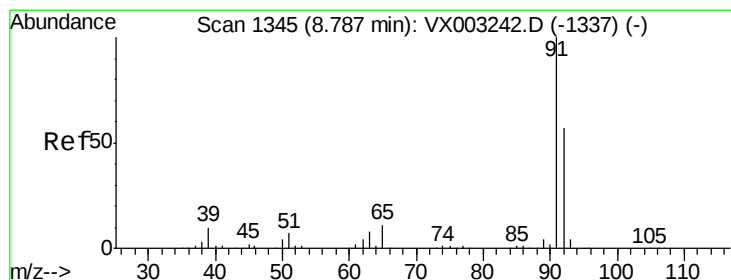
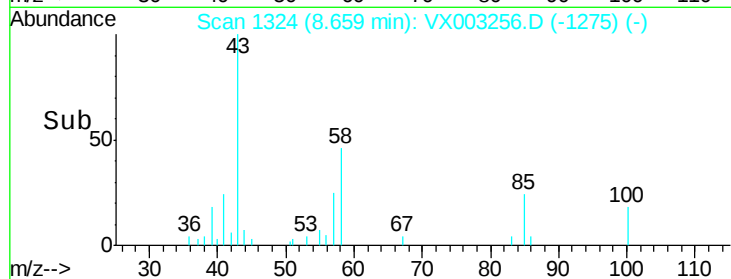
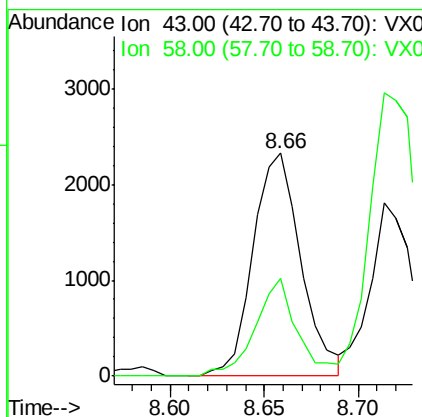
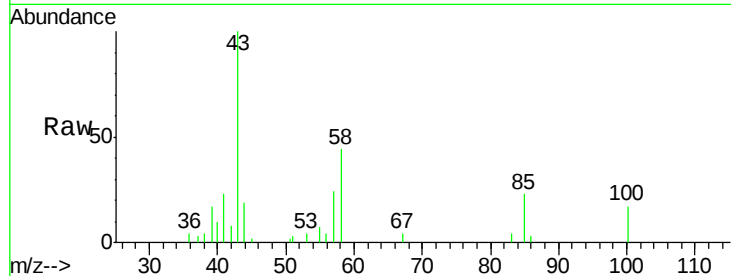




#51
4-Methyl-2-Pentanone
Concen: 0.81 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

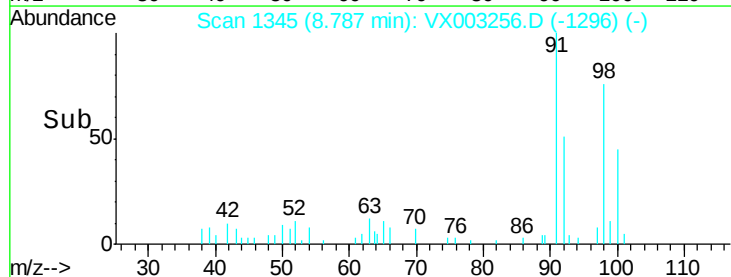
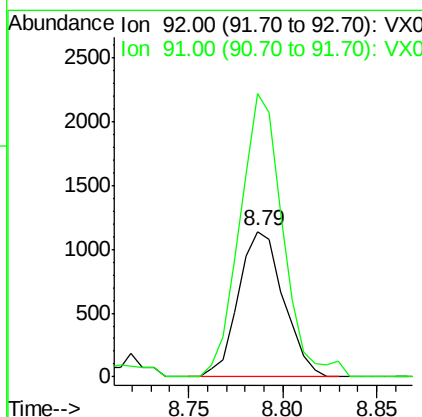
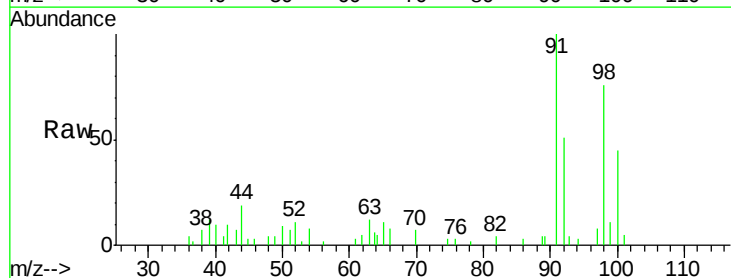
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

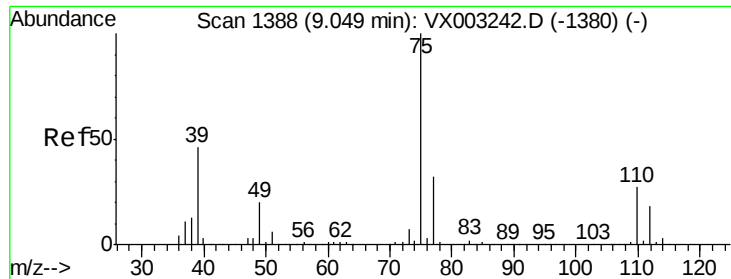
Tot Ion: 43 Resp: 4097
Ion Ratio Lower Upper
43 100
58 38.7 28.6 42.8



#52
Toluene
Concen: 0.21 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 92 Resp: 1895
Ion Ratio Lower Upper
92 100
91 185.6 140.4 210.6



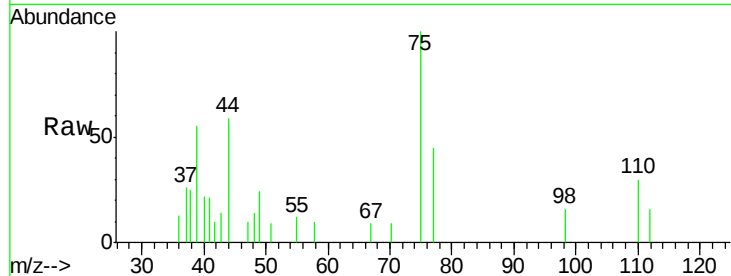


#54

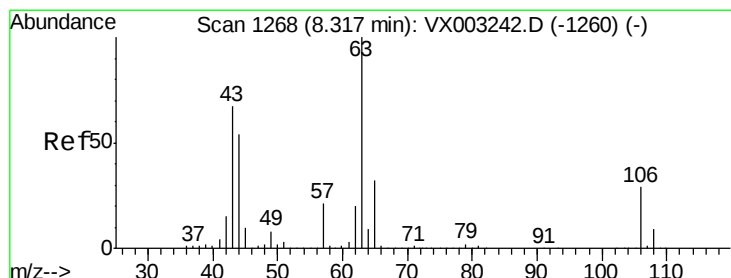
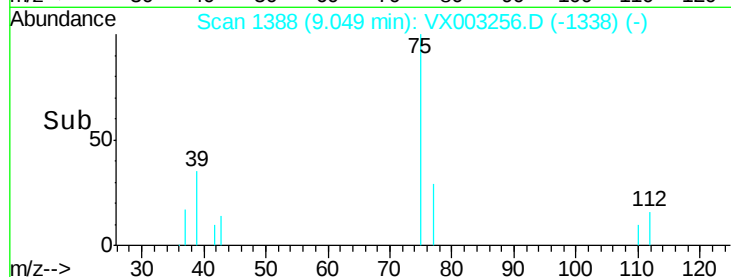
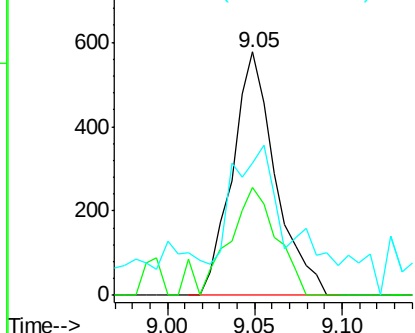
cis-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

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

Tot Ion: 75 Resp: 989
Ion Ratio Lower Upper
75 100
77 44.5 24.8 37.2#
39 42.5 42.4 63.6



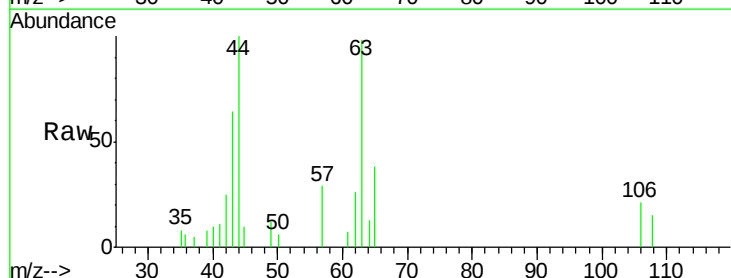
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



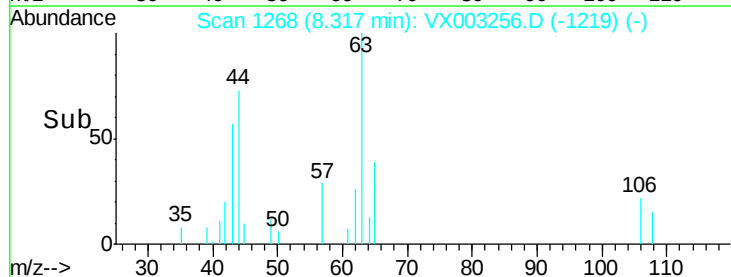
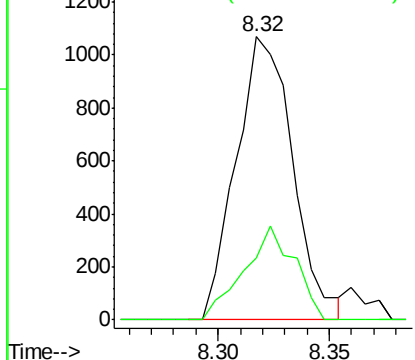
#58

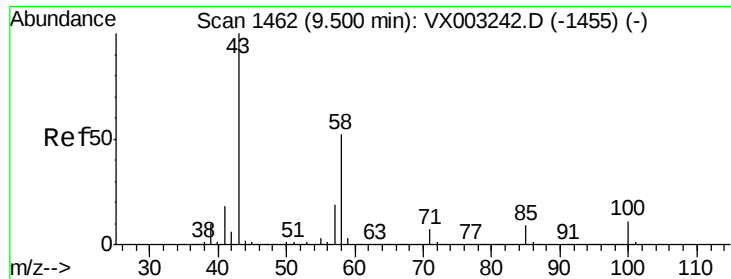
2-Chloroethyl Vinyl ether
Concen: 0.78 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 63 Resp: 1896
Ion Ratio Lower Upper
63 100
106 29.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

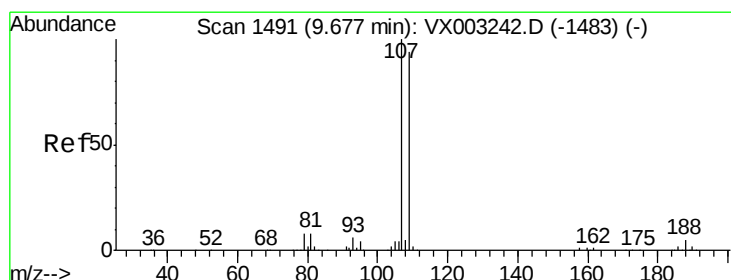
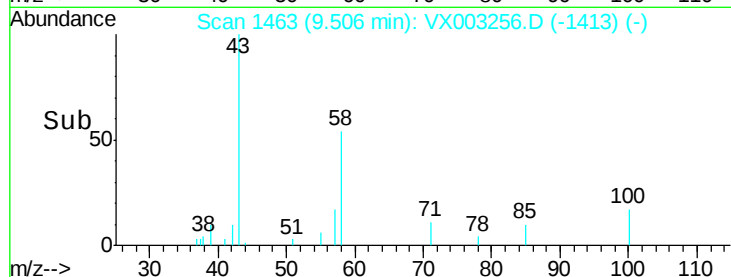
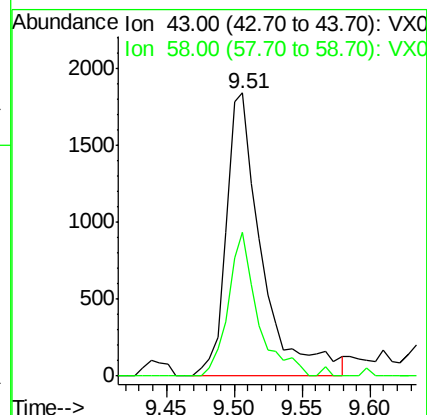
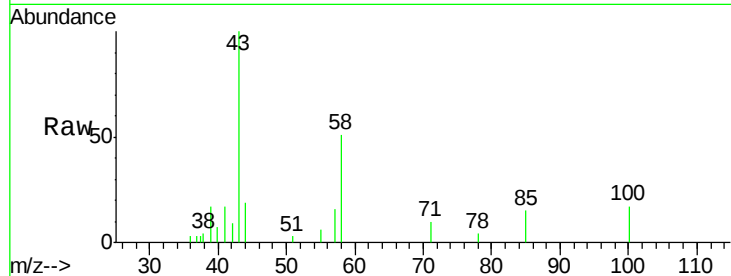




#59
2-Hexanone
Concen: 0.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

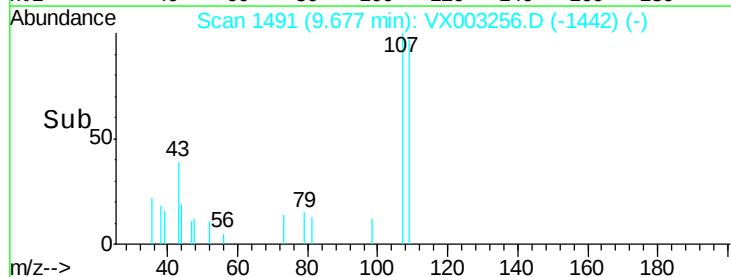
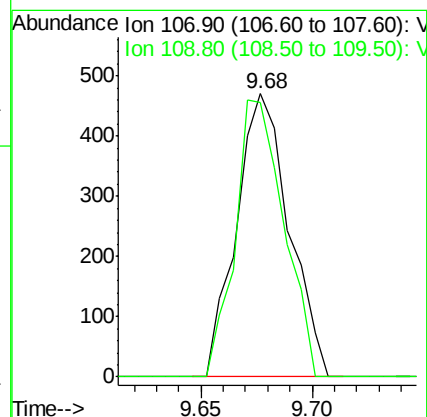
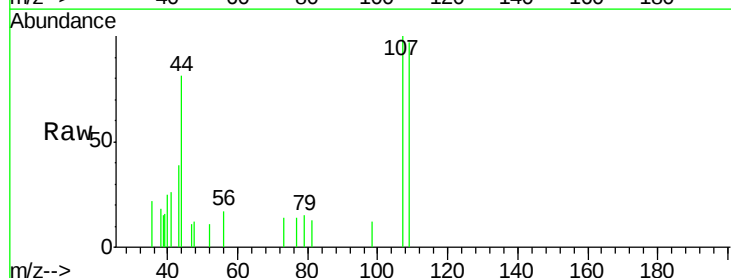
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

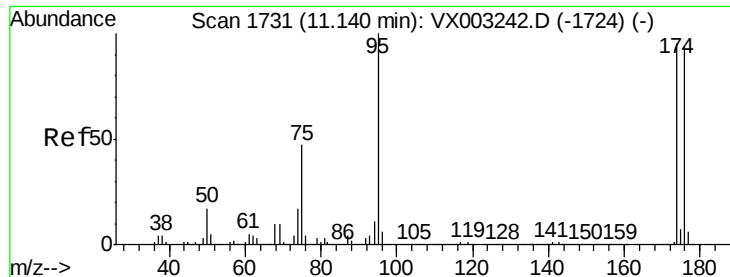
Tot Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
58 41.9 24.6 73.6



#61
1,2-Dibromoethane
Concen: 0.20 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion: 107 Resp: 774
Ion Ratio Lower Upper
107 100
109 90.2 75.3 112.9





#62

4-Bromofluorobenzene

Concen: 45.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

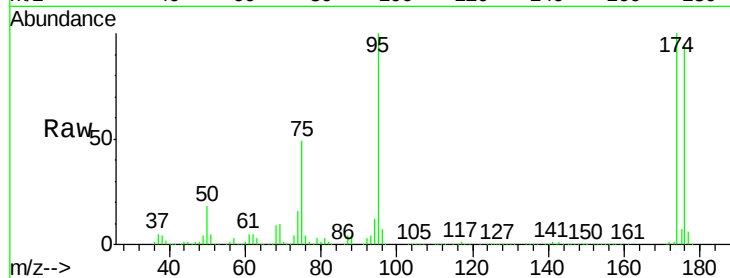
Tot Ion: 95 Resp: 216100

Ion Ratio Lower Upper

95 100

174 102.7 0.0 187.4

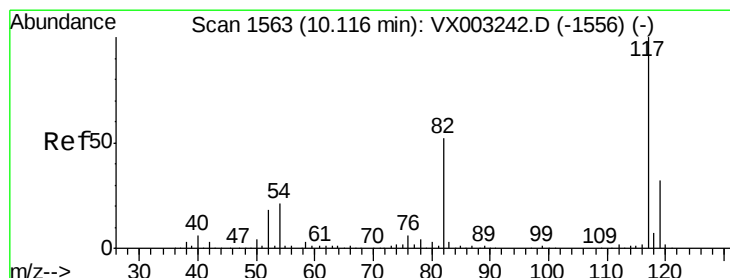
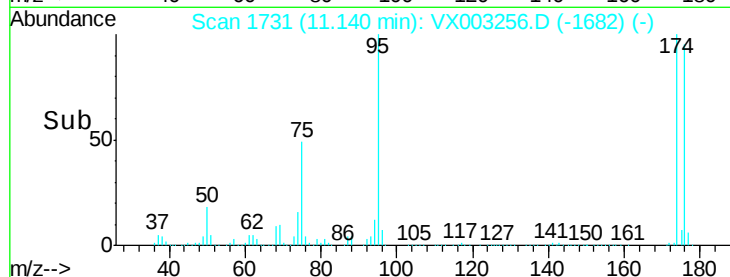
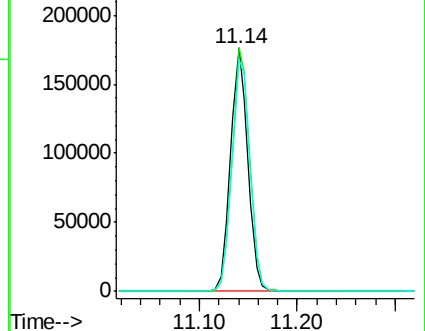
176 99.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003242.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003242.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003242.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

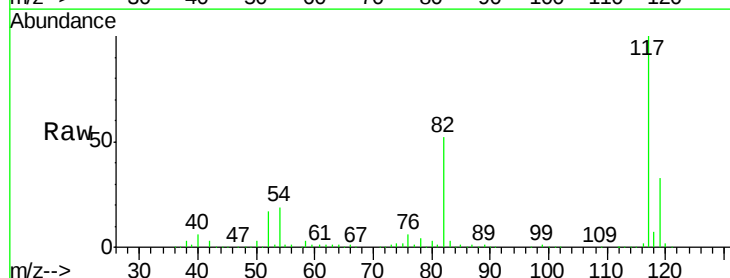
Tgt Ion: 117 Resp: 296935

Ion Ratio Lower Upper

117 100

82 51.8 45.0 67.4

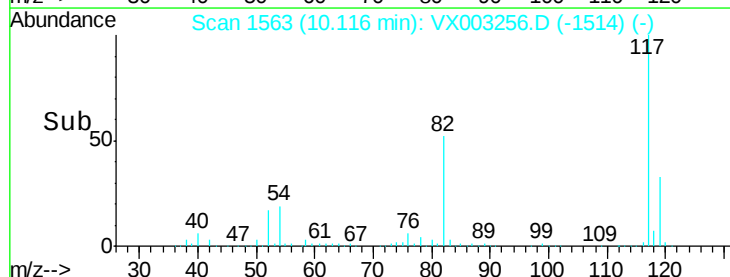
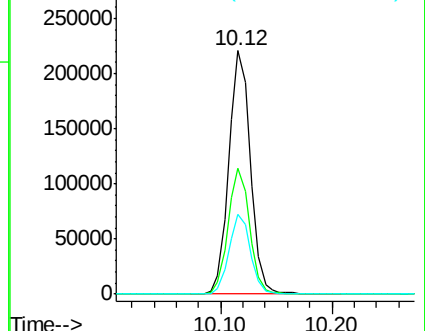
119 33.0 25.8 38.6

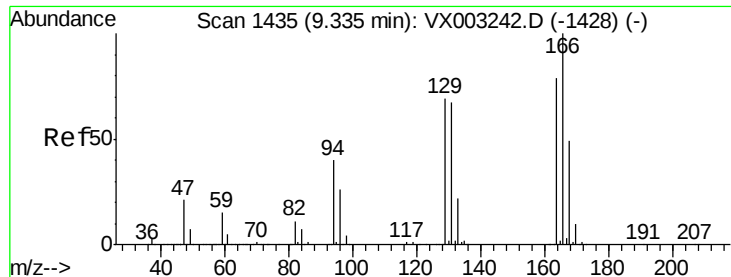


Abundance Ion 116.90 (116.60 to 117.60): VX003242.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003242.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003242.D (-1556) (-)

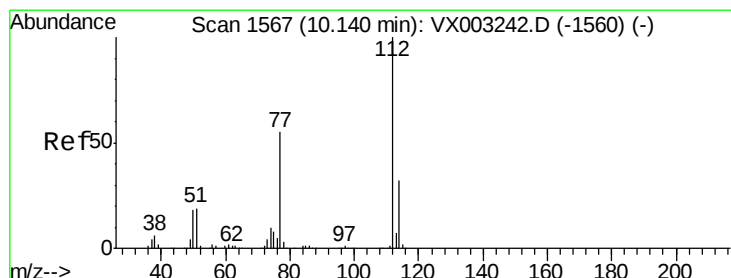
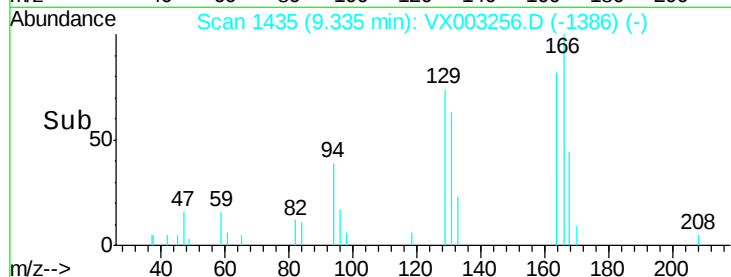
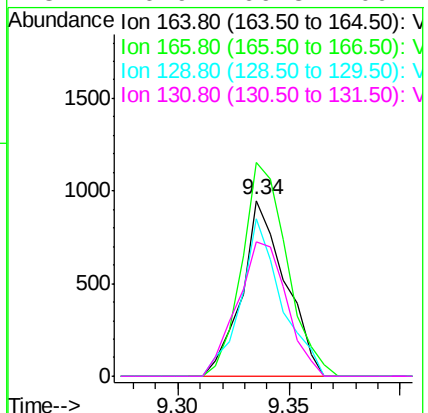
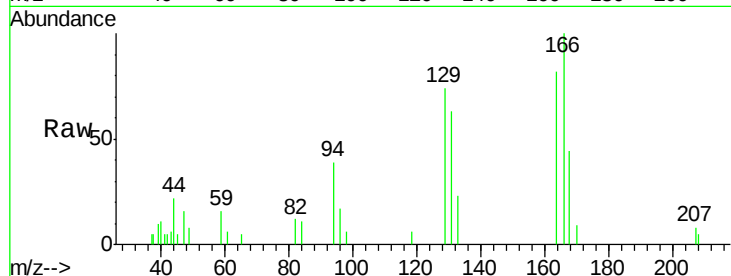




#64
Tetrachloroethene
Concen: 0.29 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

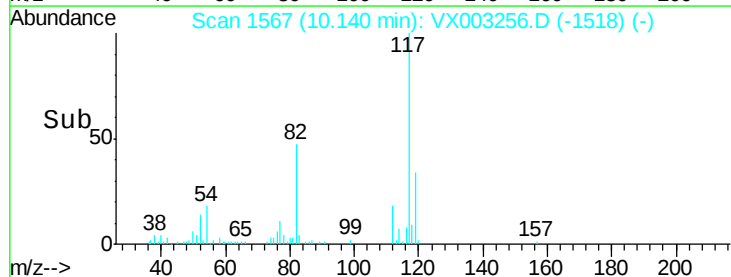
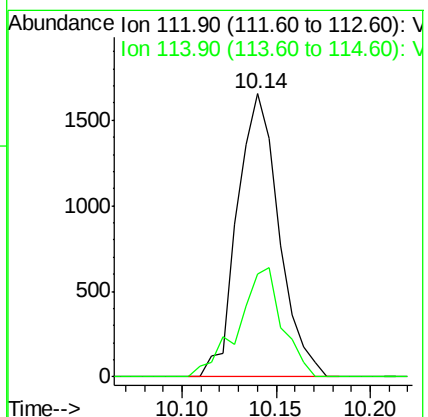
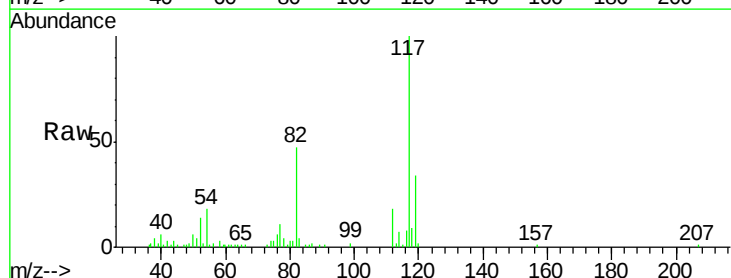
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

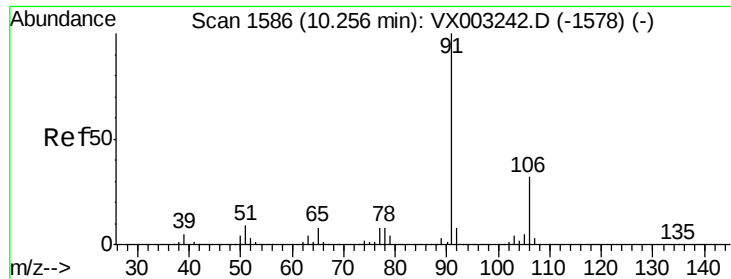
Tot Ion:164 Resp: 1288
Ion Ratio Lower Upper
164 100
166 121.8 102.9 154.3
129 89.7 68.6 102.8
131 76.9 66.8 100.2



#65
Chlorobenzene
Concen: 0.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion:112 Resp: 2543
Ion Ratio Lower Upper
112 100
114 36.5 25.3 37.9





#67

Ethyl Benzene

Concen: 0.22 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

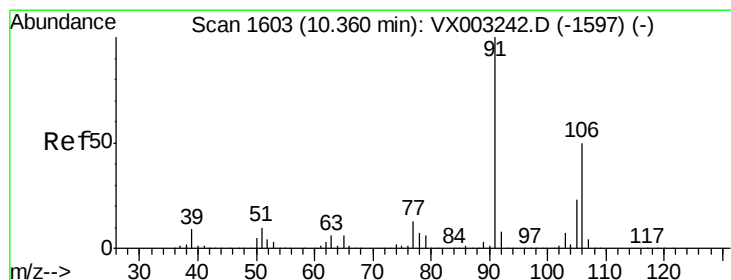
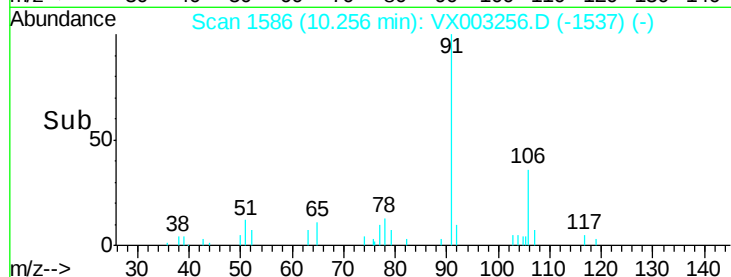
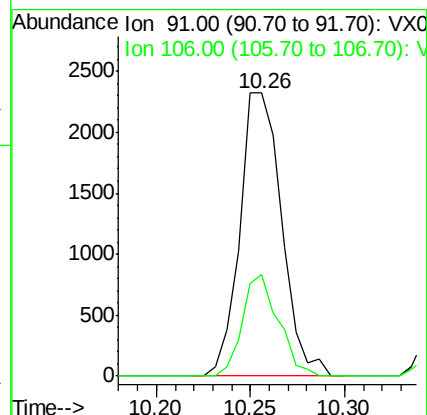
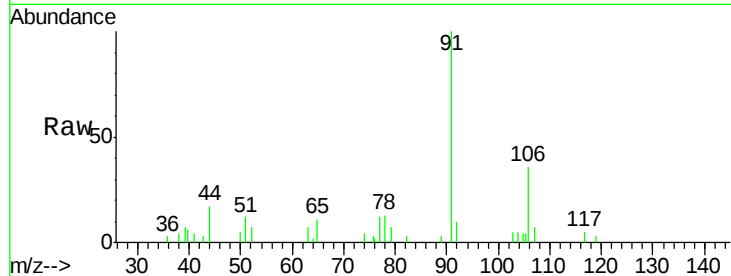
MDL-WATER-03-QT3-2018

Tot Ion: 91 Resp: 3578

Ion Ratio Lower Upper

91 100

106 35.8 25.5 38.3



#68

m/p-Xylenes

Concen: 0.42 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003256.D

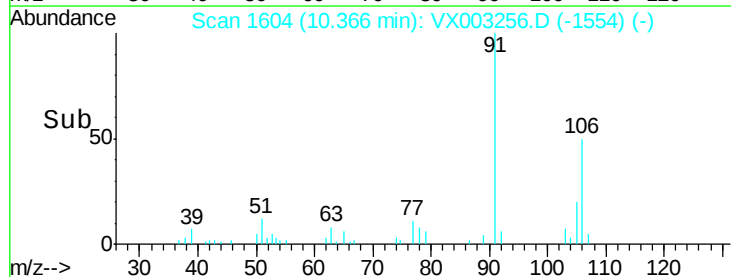
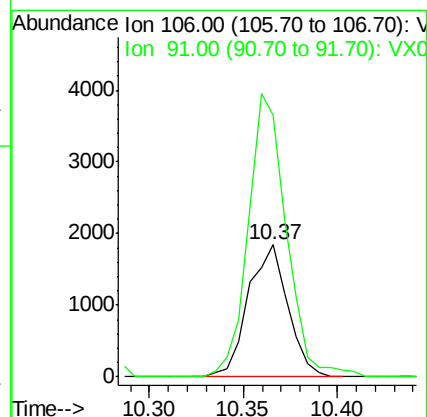
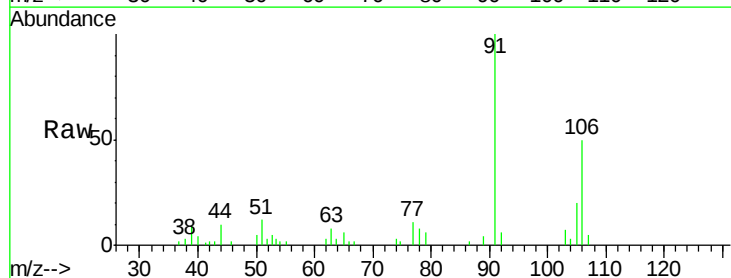
Acq: 09 Jul 2018 20:57

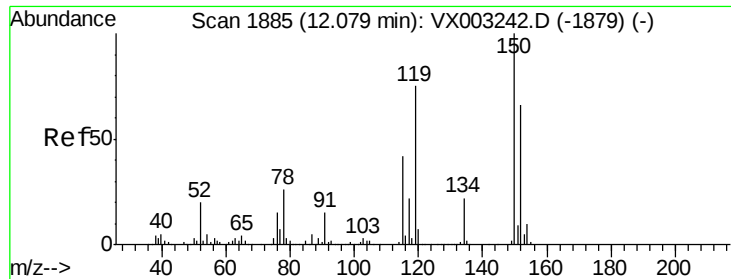
Tgt Ion: 106 Resp: 2696

Ion Ratio Lower Upper

106 100

91 206.2 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

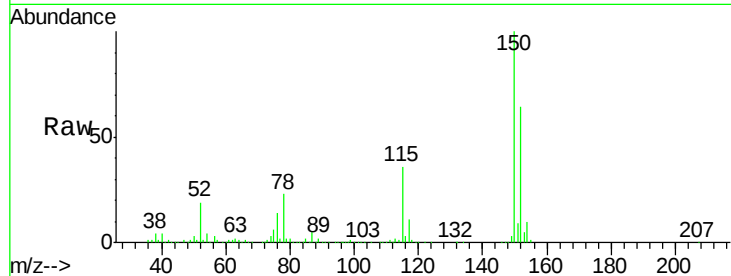
Tot Ion:152 Resp: 190310

Ion Ratio Lower Upper

152 100

115 53.2 40.1 120.2

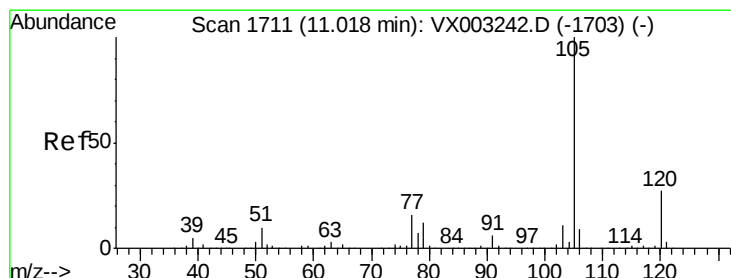
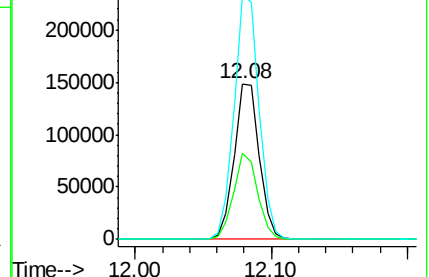
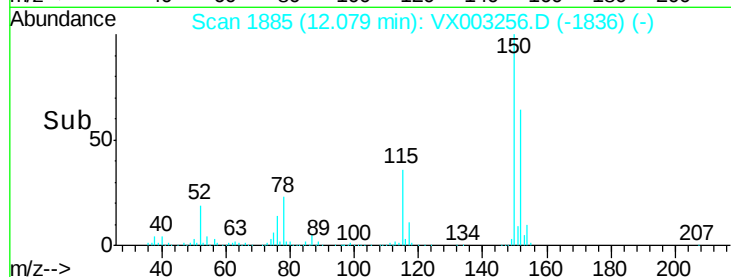
150 155.6 0.0 347.2



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: 0.21 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003256.D

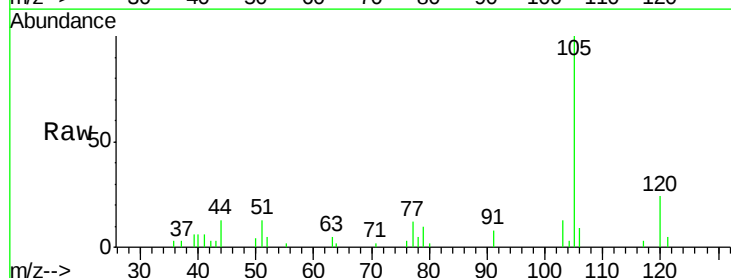
Acq: 09 Jul 2018 20:57

Tgt Ion:105 Resp: 3175

Ion Ratio Lower Upper

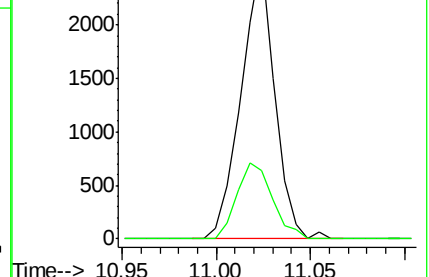
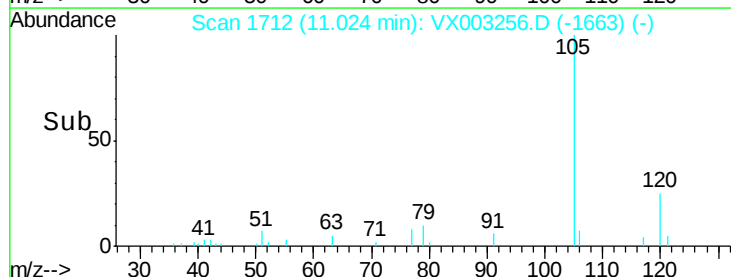
105 100

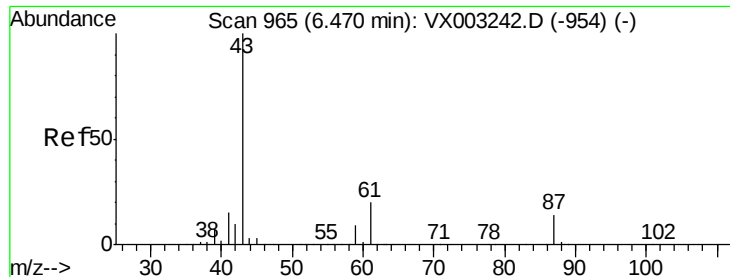
120 29.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.23 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 1630

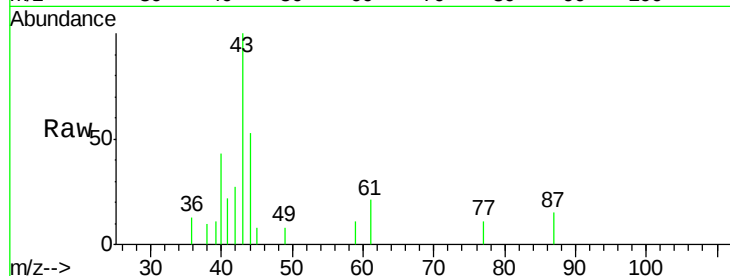
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 1.5 0.0 0.0#

61 14.2 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

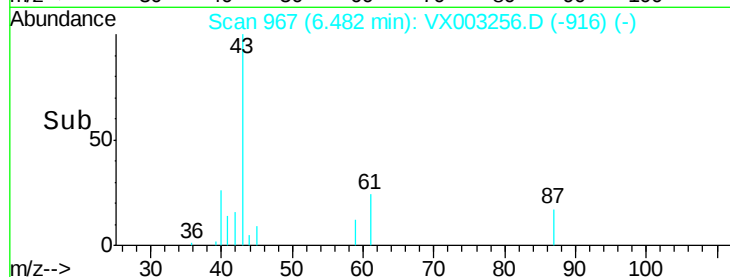
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

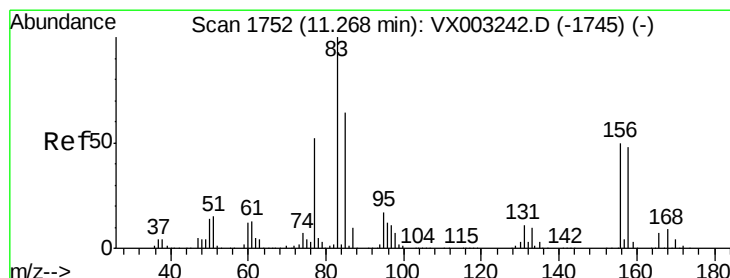
Ion 61.00 (60.70 to 61.70): VX0

Time-->

6.40 6.45 6.50 6.55



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 0.21 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

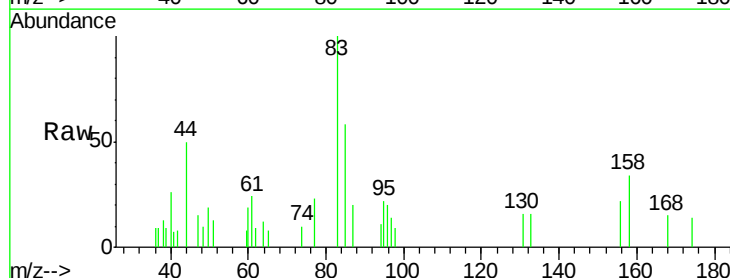
Tgt Ion: 83 Resp: 974

Ion Ratio Lower Upper

83 100

131 9.8 5.6 16.8

85 63.0 32.4 97.2



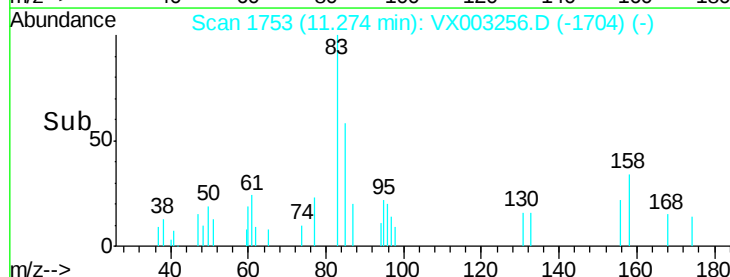
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

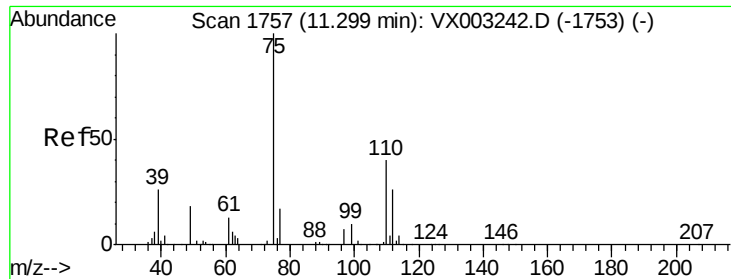
Ion 84.90 (84.60 to 85.60): VX0

Time-->

11.25 11.30



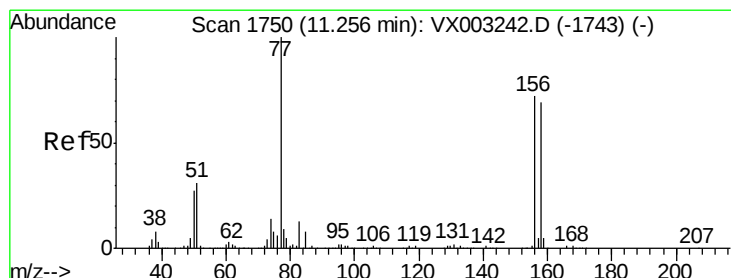
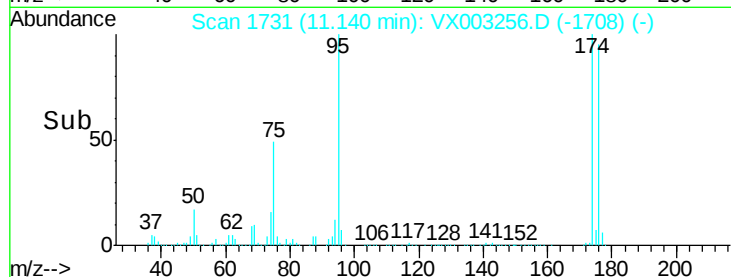
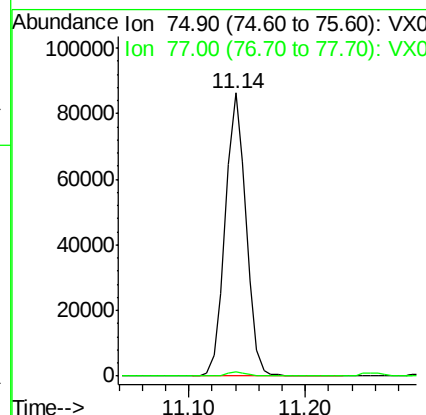
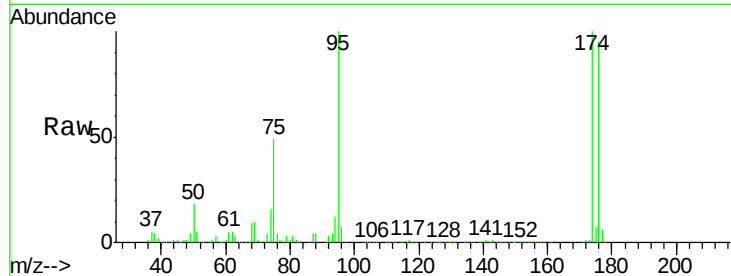
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 25.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

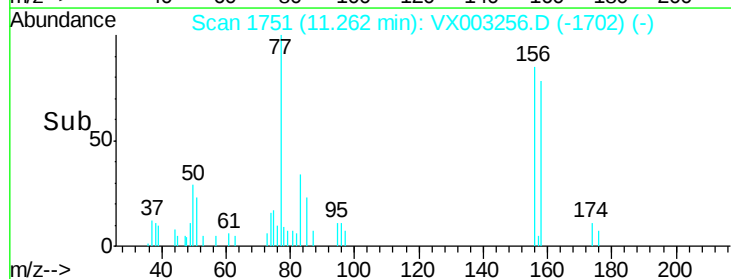
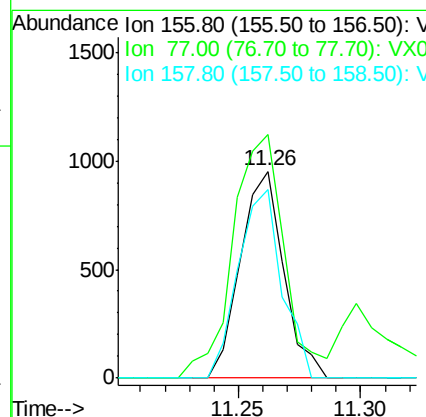
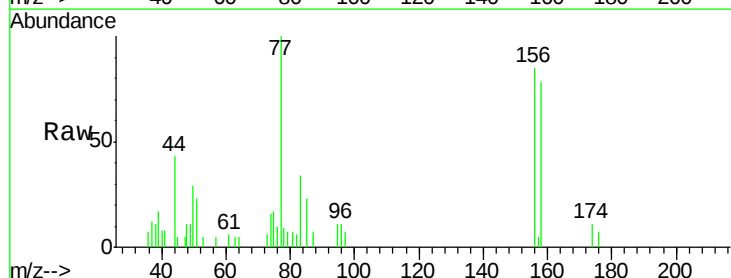
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

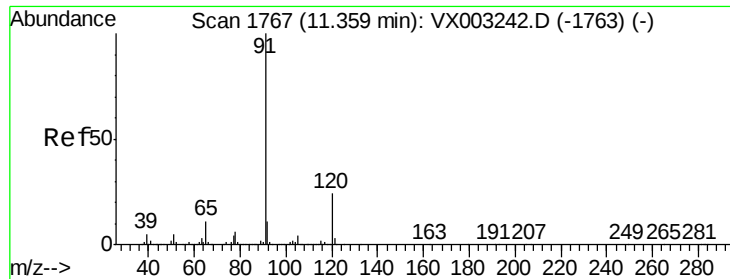
Tot Ion: 75 Resp: 105799
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#77
 Bromobenzene
 Concen: 0.27 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

Tgt Ion: 156 Resp: 1174
 Ion Ratio Lower Upper
 156 100
 77 139.9 71.4 214.2
 158 91.6 48.9 146.6





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

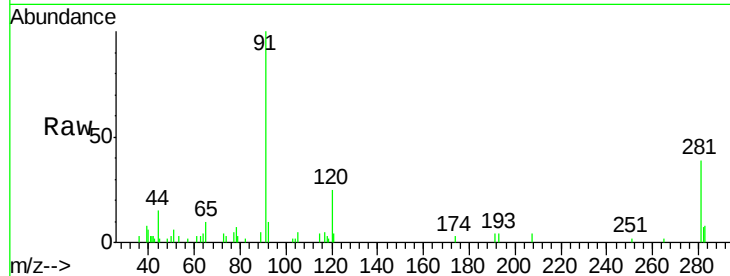
MDL-WATER-03-QT3-2018

Tot Ion: 91 Resp: 4266

Ion Ratio Lower Upper

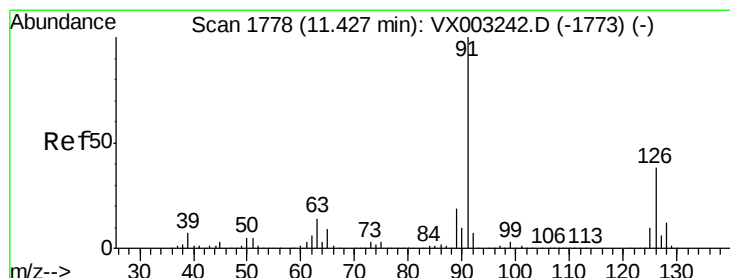
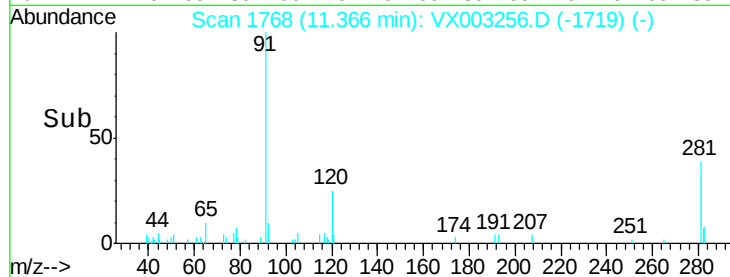
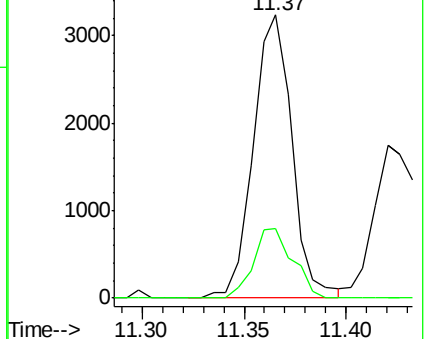
91 100

120 25.1 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: 0.26 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003256.D

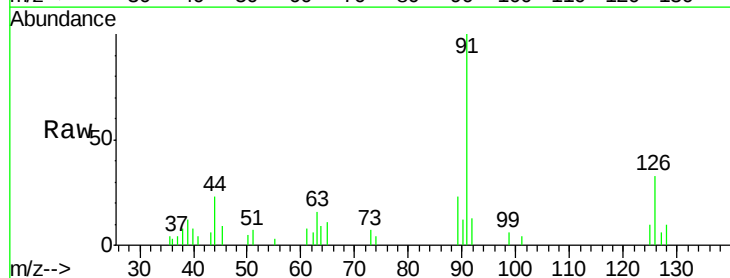
Acq: 09 Jul 2018 20:57

Tgt Ion: 91 Resp: 2636

Ion Ratio Lower Upper

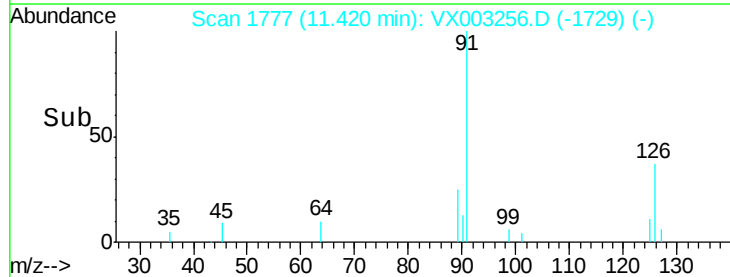
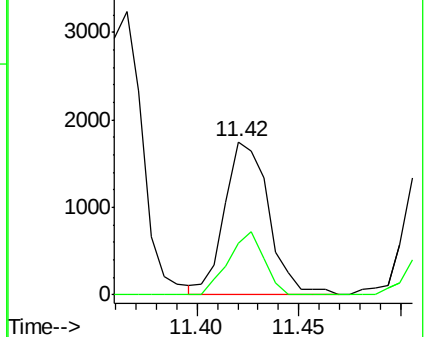
91 100

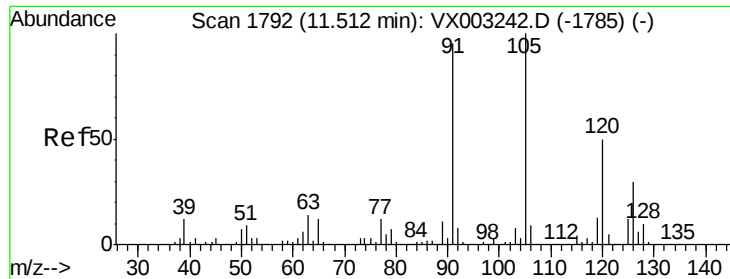
126 32.8 17.7 53.1



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: 0.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

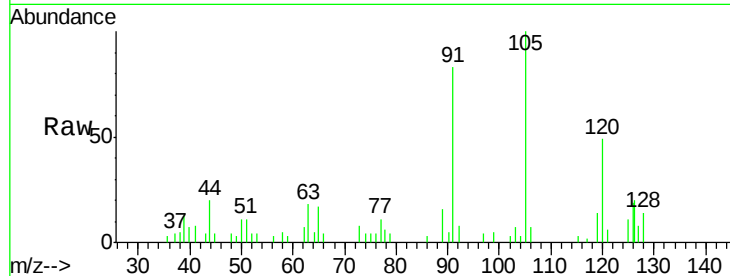
MDL-WATER-03-QT3-2018

Tot Ion:105 Resp: 2694

Ion Ratio Lower Upper

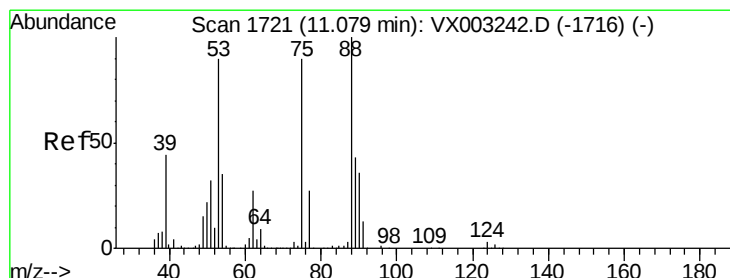
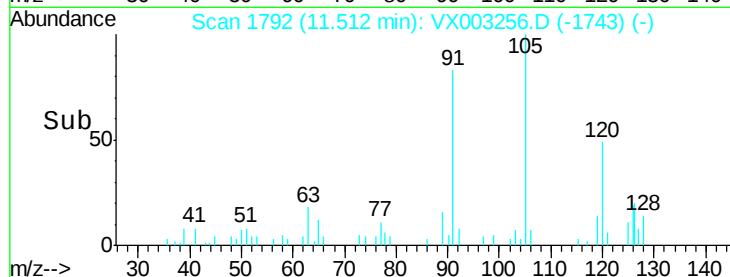
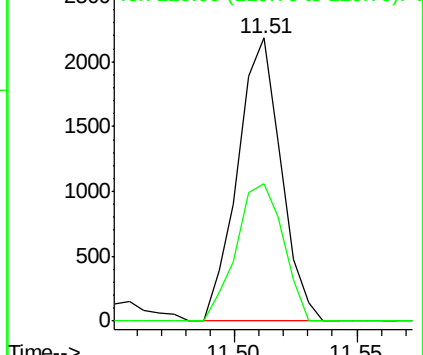
105 100

120 52.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

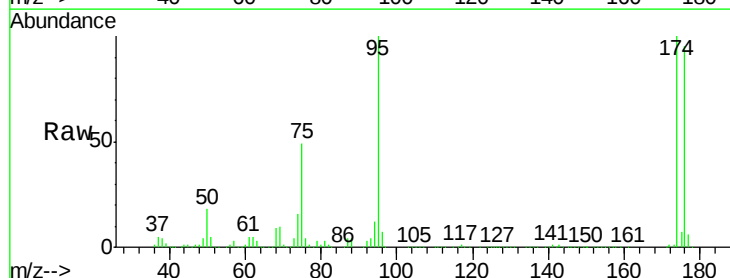
Tgt Ion: 75 Resp: 105799

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

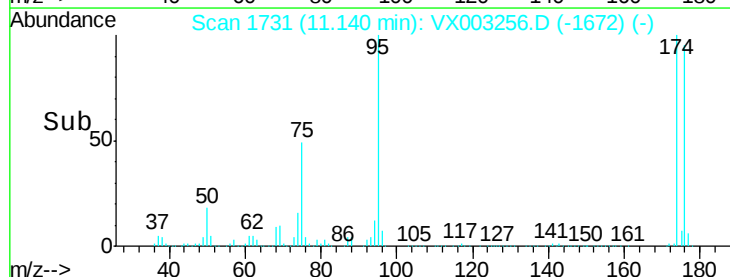
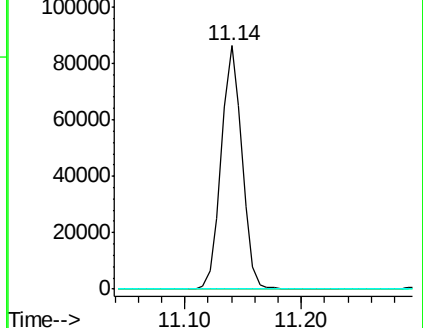
89 0.0 38.2 57.2#

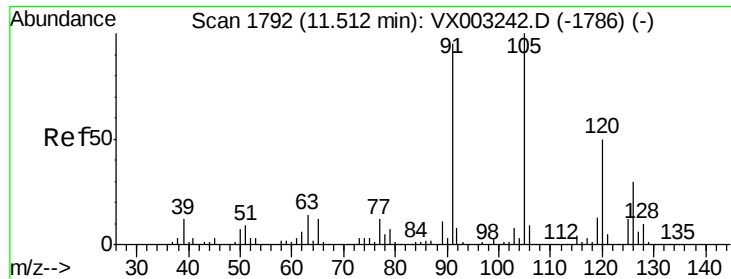


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.25 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

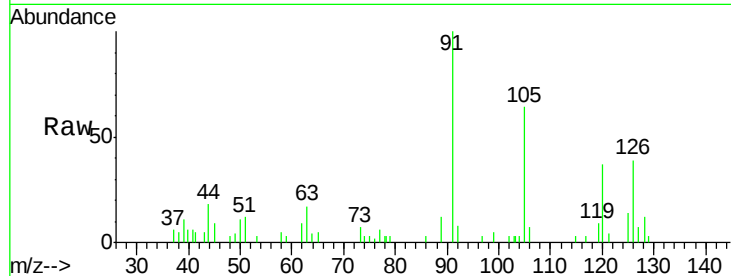
MDL-WATER-03-QT3-2018

Tot Ion: 91 Resp: 3023

Ion Ratio Lower Upper

91 100

126 37.4 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX003242.D (-1786) (-)

Ion 125.90 (125.60 to 126.60): VX003242.D (-1786) (-)

11.52

2500

2000

1500

1000

500

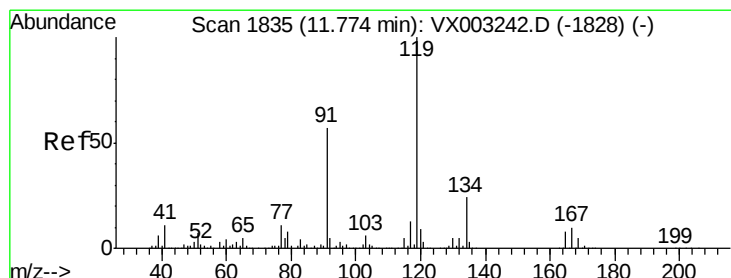
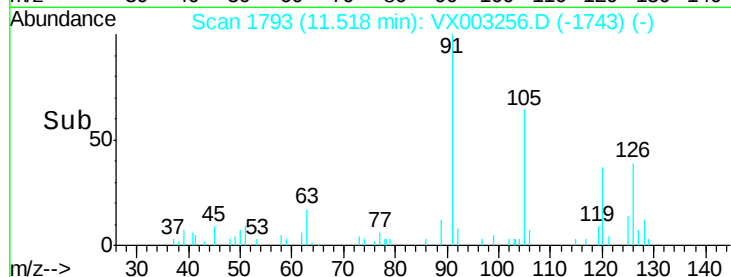
0

Time-->

11.45

11.50

11.55



#83

tert-Butylbenzene

Concen: 0.21 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

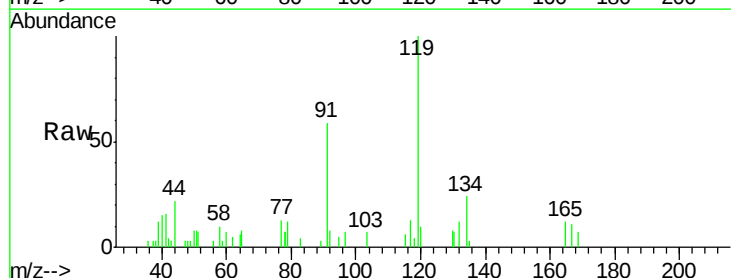
Tgt Ion: 119 Resp: 2603

Ion Ratio Lower Upper

119 100

91 56.9 30.3 90.9

134 25.3 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): VX003242.D (-1828) (-)

Ion 91.00 (90.70 to 91.70): VX003242.D (-1828) (-)

Ion 134.00 (133.70 to 134.70): VX003242.D (-1828) (-)

11.77

2500

2000

1500

1000

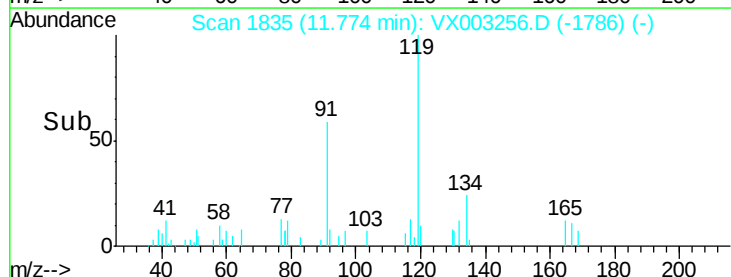
500

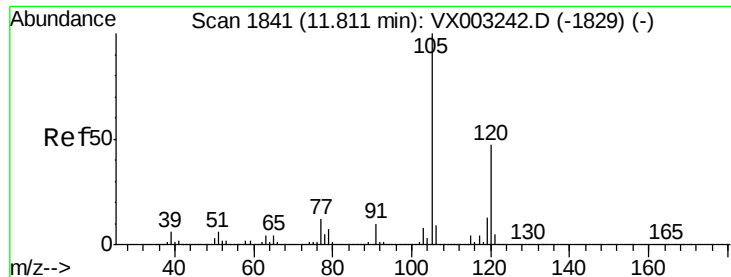
0

Time-->

11.75

11.80





#84

1,2,4-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

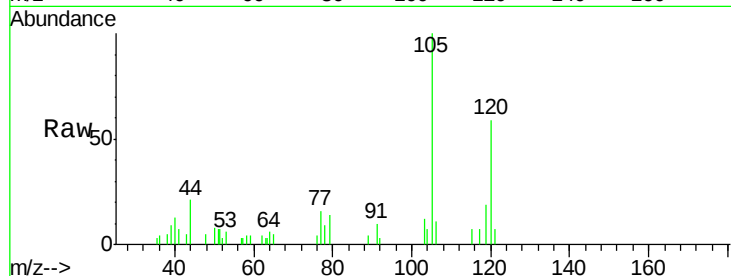
MDL-WATER-03-QT3-2018

Tot Ion:105 Resp: 2632

Ion Ratio Lower Upper

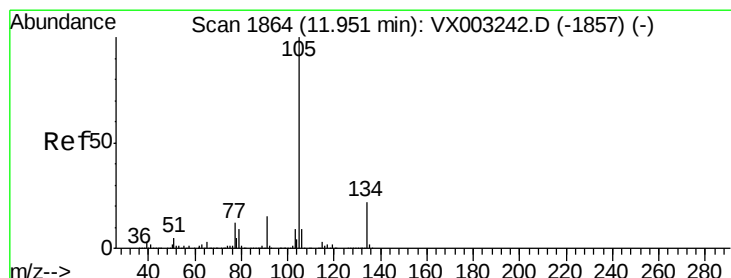
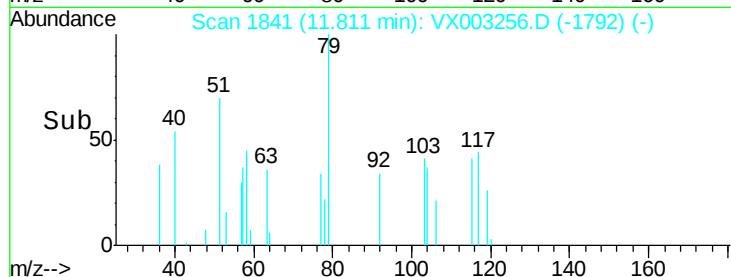
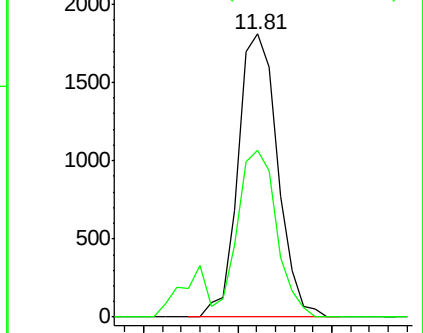
105 100

120 58.1 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: 0.22 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003256.D

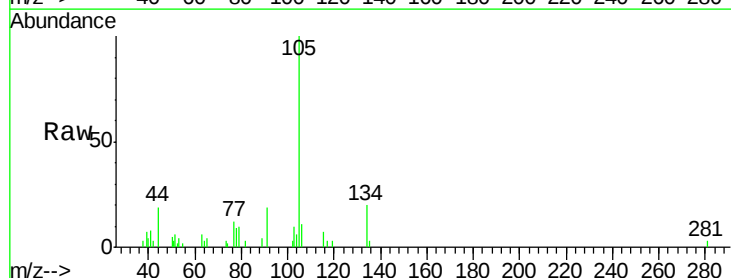
Acq: 09 Jul 2018 20:57

Tgt Ion:105 Resp: 3206

Ion Ratio Lower Upper

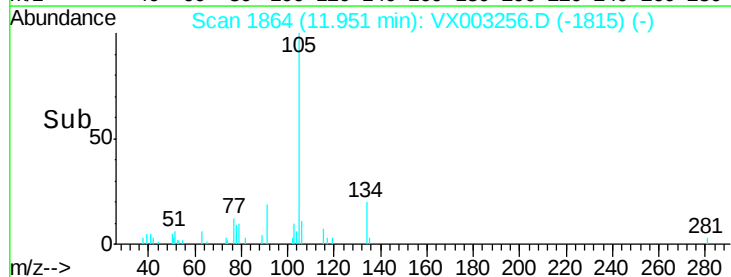
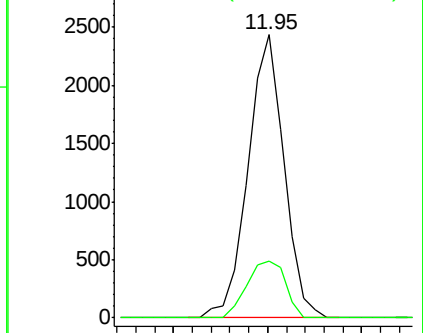
105 100

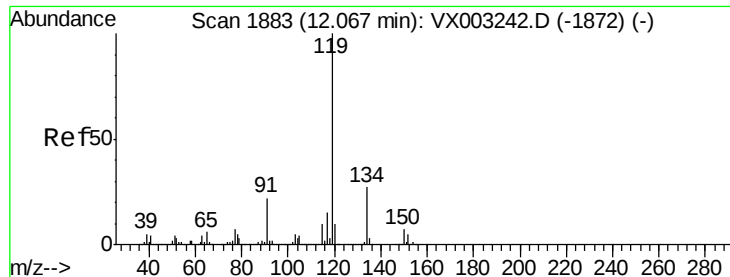
134 21.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

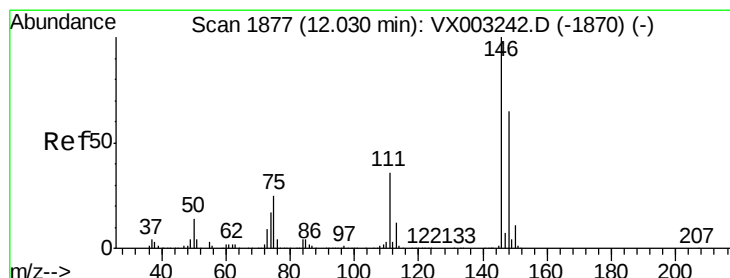
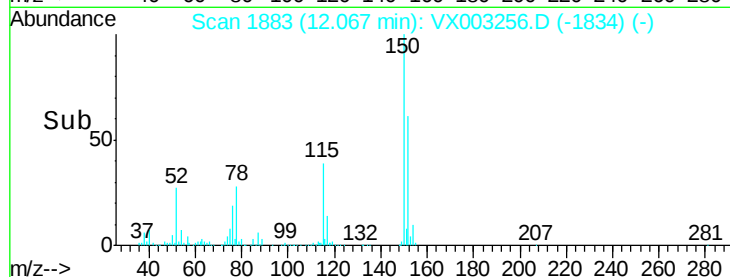
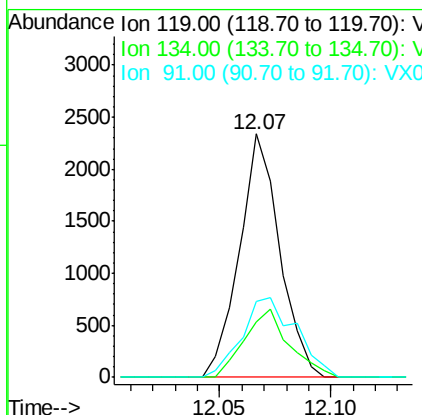
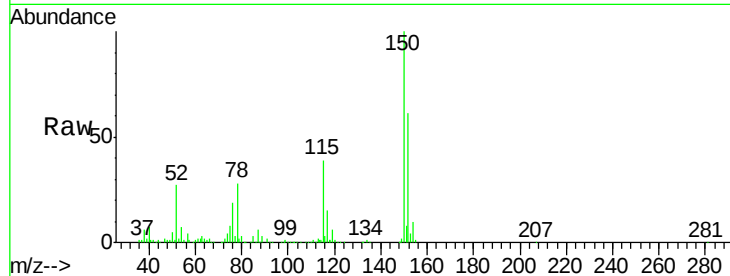




#86
p-Isopropyltoluene
Concen: 0.22 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

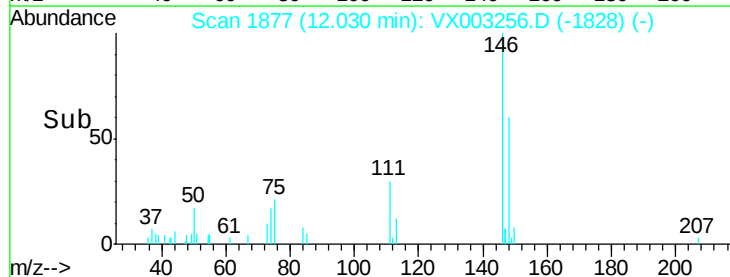
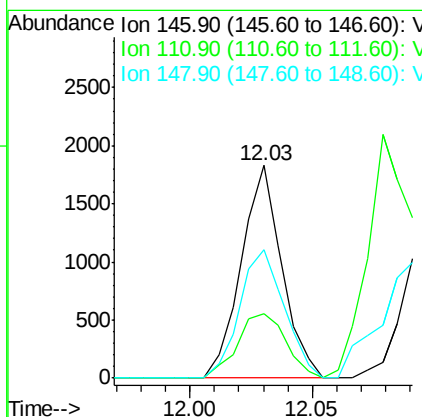
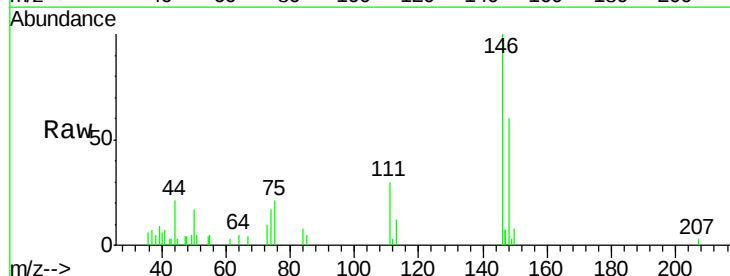
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2018

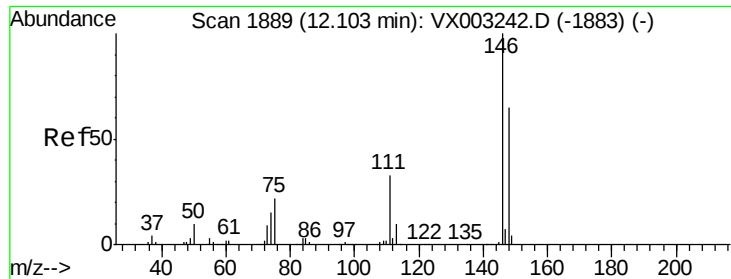
Tot Ion:119 Resp: 2951
Ion Ratio Lower Upper
119 100
134 31.1 13.4 40.1
91 43.6 11.9 35.7#



#87
1,3-Dichlorobenzene
Concen: 0.26 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX003256.D
Acq: 09 Jul 2018 20:57

Tgt Ion:146 Resp: 2105
Ion Ratio Lower Upper
146 100
111 36.3 18.9 56.7
148 66.7 32.1 96.3

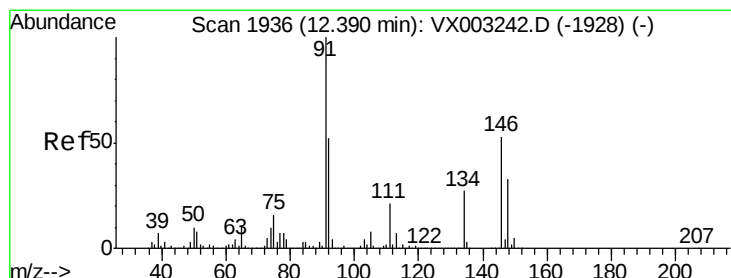
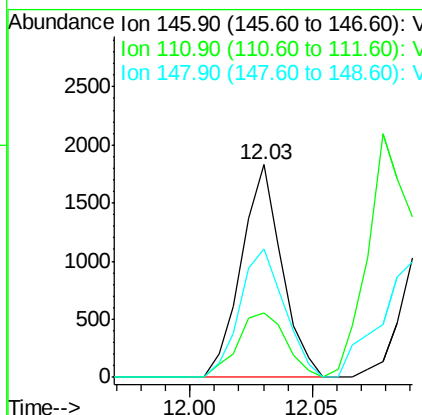
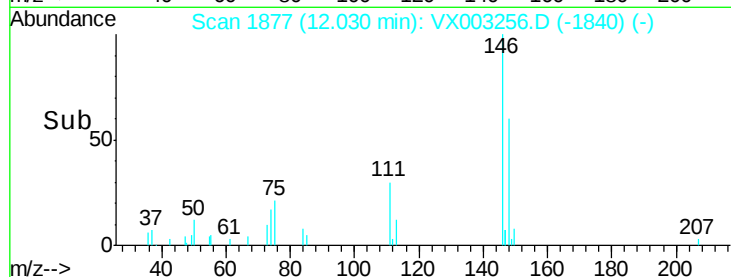
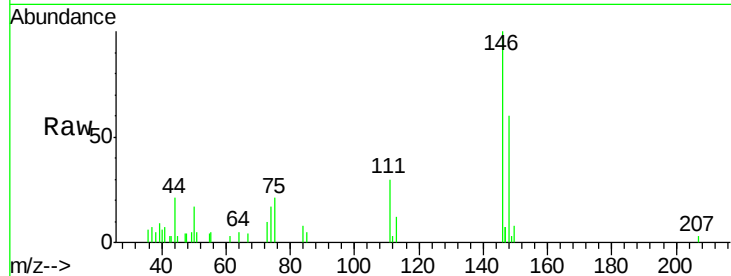




#88
 1,4-Dichlorobenzene
 Concen: 0.26 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

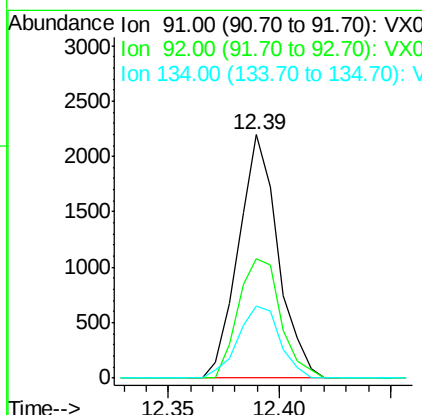
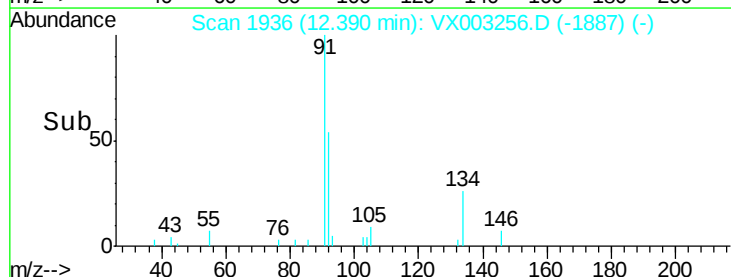
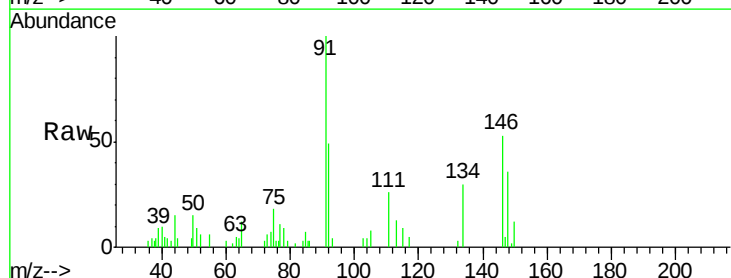
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2018

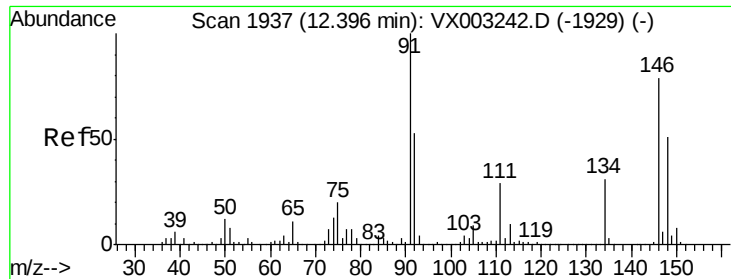
Tot Ion:146 Resp: 2105
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.7 56.1
 148 66.7 32.4 97.0



#89
 n-Butylbenzene
 Concen: 0.24 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

Tgt Ion: 91 Resp: 2715
 Ion Ratio Lower Upper
 91 100
 92 52.6 26.0 78.0
 134 31.6 13.5 40.5

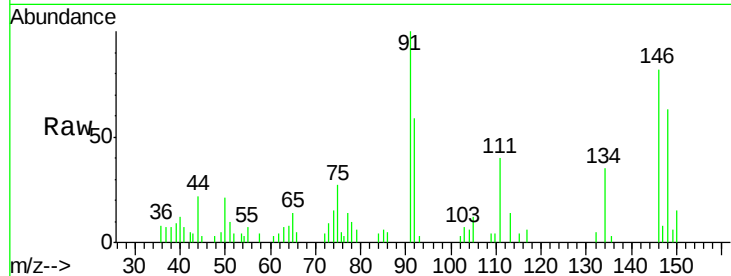




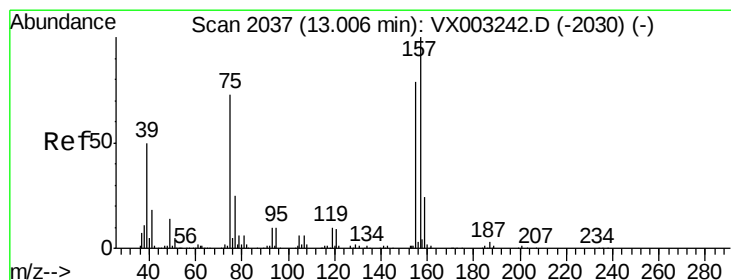
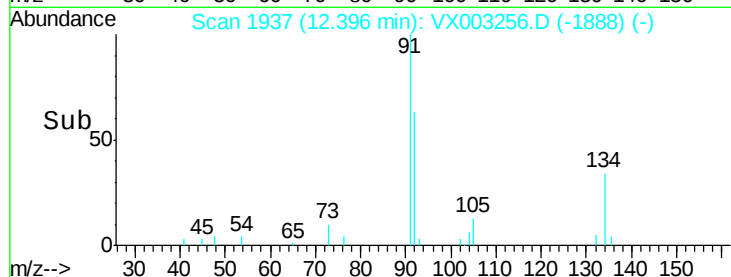
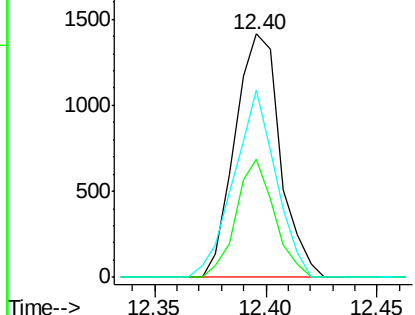
#91
 1,2-Dichlorobenzene
 Concen: 0.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

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

Tot Ion:146 Resp: 2002
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.4 58.1
 148 71.6 31.7 95.1

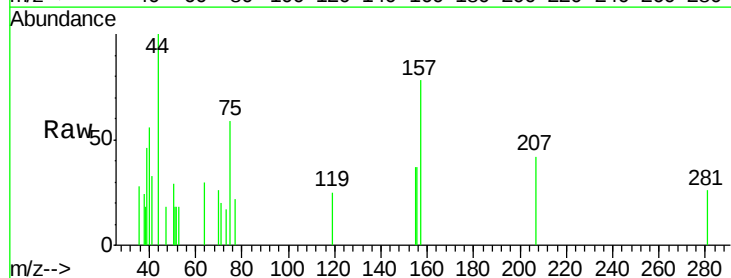


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

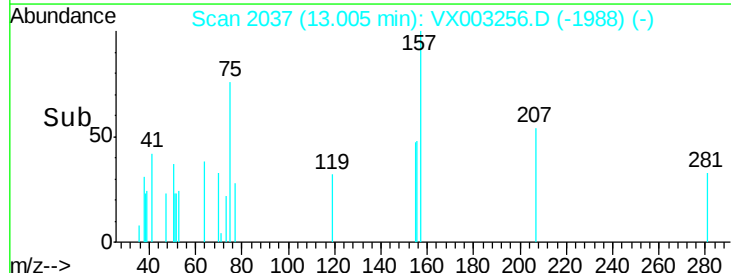
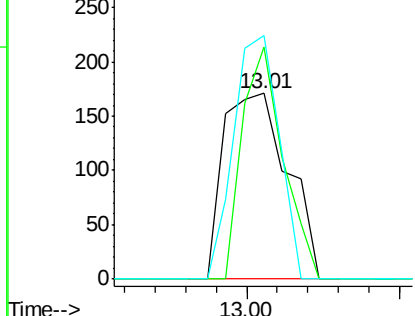


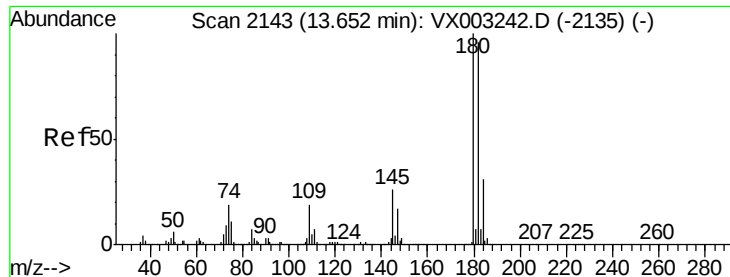
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.25 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

Tgt Ion: 75 Resp: 248
 Ion Ratio Lower Upper
 75 100
 155 79.4 45.8 137.4
 157 92.3 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

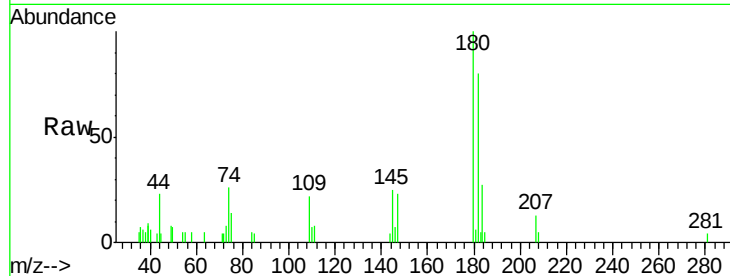




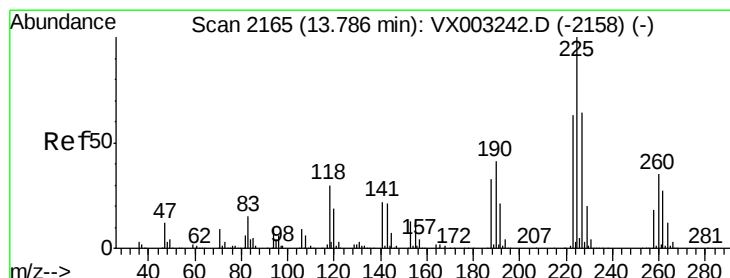
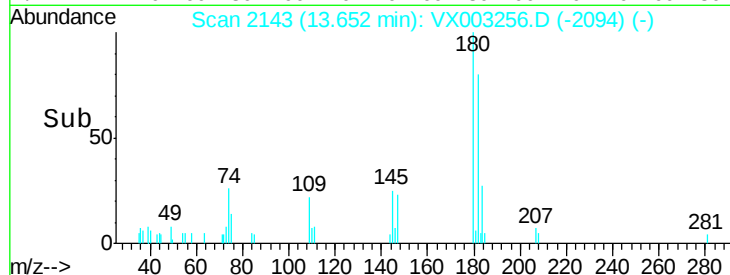
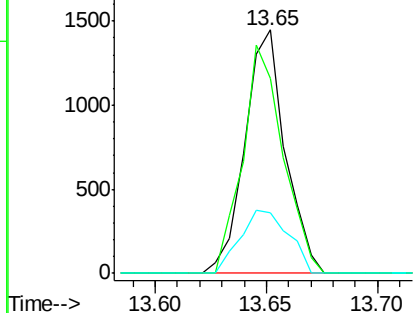
#93
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

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

Tot Ion:180 Resp: 1832
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.7 143.1
 145 30.8 14.1 42.4

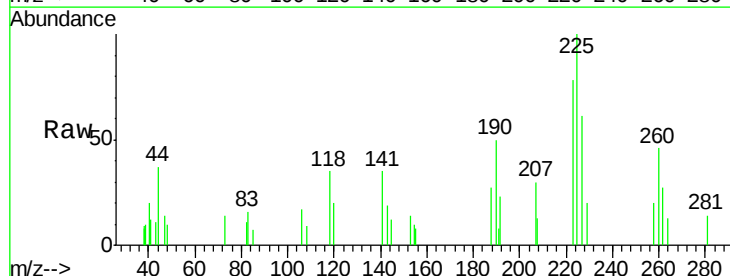


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

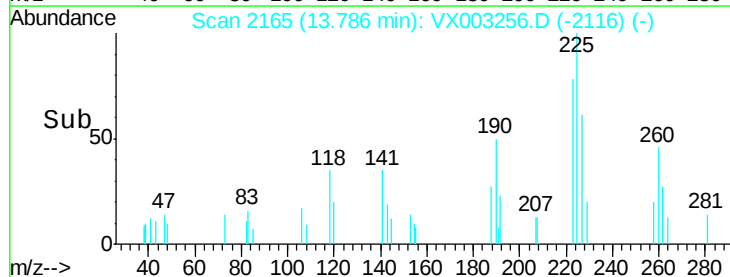
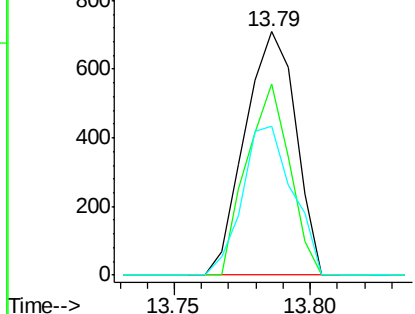


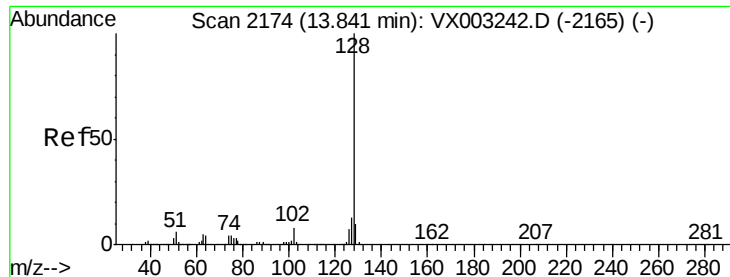
#94
 Hexachlorobutadiene
 Concen: 0.32 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003256.D
 Acq: 09 Jul 2018 20:57

Tgt Ion:225 Resp: 916
 Ion Ratio Lower Upper
 225 100
 223 66.6 31.6 95.0
 227 60.7 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: 0.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2018

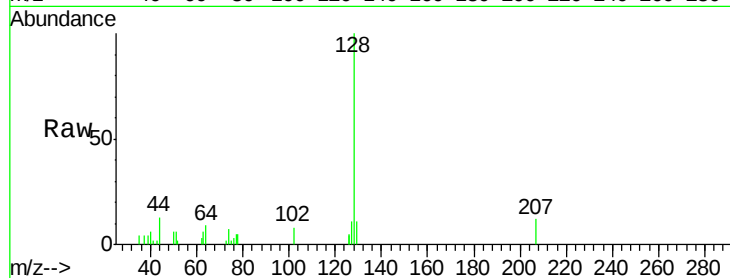
Tot Ion:128 Resp: 3394

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

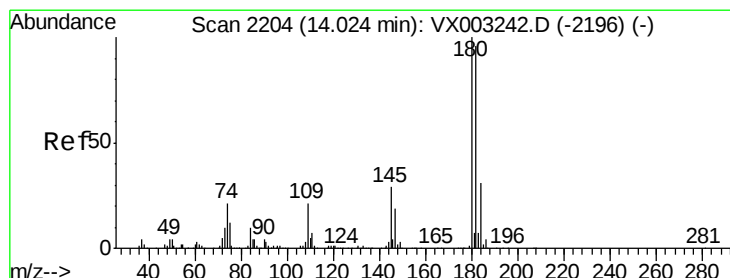
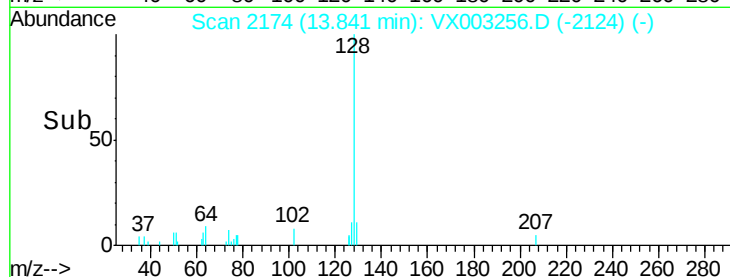
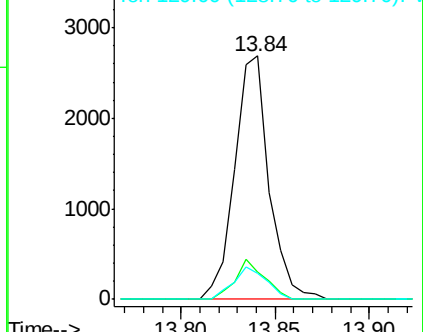
129 12.7 8.6 13.0



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: 0.28 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003256.D

Acq: 09 Jul 2018 20:57

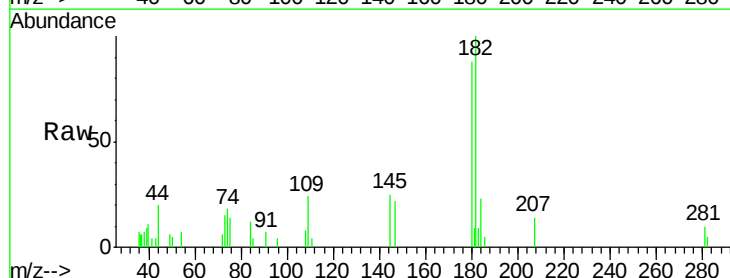
Tgt Ion:180 Resp: 1614

Ion Ratio Lower Upper

180 100

182 100.0 48.0 144.0

145 27.8 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

