

Data File : VX001263.D

Acq On : 30 Apr 2018 19:39

Operator : JC/MD

Sample : J2133-09 MDL 2.5PPB

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Quant Time: May 01 03:16:54 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon Apr 30 16:58:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33971	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	189369	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	175434	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76848	31.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.53%
60) 4-Bromofluorobenzene	11.14	95	80017	27.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.73%
63) Toluene-d8	8.72	98	228629	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	4095	1.84	ug/l	93
3) Chloromethane	1.32	50	5358	2.58	ug/l	95
4) Vinyl Chloride	1.40	62	5264	2.41	ug/l	93
5) Bromomethane	1.65	94	4953	3.01	ug/l	93
6) Chloroethane	1.73	64	3449	2.59	ug/l #	84
7) Trichlorofluoromethane	1.93	101	8926	2.46	ug/l	94
8) Diethyl Ether	2.19	74	3262	2.59	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5172	2.52	ug/l	91
10) 1,1-Dichloroethene	2.38	96	4892	2.63	ug/l	85
11) Methyl Iodide	2.51	142	3830	1.69	ug/l	93
12) Methyl Acetate	2.78	43	6977	2.85	ug/l	99
13) Acrolein	2.29	56	4747	3.25	ug/l	92
14) Acrylonitrile	3.15	53	14415	2.96	ug/l	99
15) Acetone	2.45	58	4696	3.10	ug/l	99
16) Carbon Disulfide	2.57	76	11411	2.31	ug/l #	90
17) Allyl chloride	2.73	41	8536	2.59	ug/l	96
18) Methylene Chloride	2.86	84	5695	2.81	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	5465	2.72	ug/l	96
20) Diisopropyl ether	3.88	45	15605	2.40	ug/l #	96
21) 1,1-Dichloroethane	3.70	63	8952	2.56	ug/l	96
22) cis-1,2-Dichloroethene	4.60	96	5601	2.50	ug/l	93
23) tert-Butyl Alcohol	3.07	59	6470	3.25	ug/l #	99
24) Methyl tert-Butyl Ether	3.21	73	17450	2.73	ug/l #	86
25) Chloroform	5.22	83	9278	2.44	ug/l	99
26) Cyclohexane	5.57	56	7754	2.44	ug/l #	91
29) 1,1-Dichloropropene	5.81	75	6913	2.46	ug/l	88
30) 2-Butanone	4.71	43	20714	2.88	ug/l #	94
31) 2,2-Dichloropropane	4.59	77	6776	2.21	ug/l #	89
32) 1,1,1-Trichloroethane	5.51	97	7867	2.32	ug/l #	88
33) Carbon Tetrachloride	5.79	117	6491	2.12	ug/l	96
34) Benzene	6.15	78	20264	2.44	ug/l	99
35) Methacrylonitrile	5.07	41	4317	2.71	ug/l	82
36) 1,2-Dichloroethane	6.21	62	8453	2.65	ug/l	97
37) Trichloroethene	7.22	130	6214	2.47	ug/l	98
38) Methylcyclohexane	7.47	83	7803	2.36	ug/l	95
39) 1,2-Dichloropropane	7.52	63	5301	2.51	ug/l	98
40) Dibromomethane	7.67	93	3612	2.44	ug/l	85

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ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Quant Time: May 01 03:16:54 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon Apr 30 16:58:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	6196	2.21	ug/l #	95
42) Vinyl Acetate	3.83	43	64862	2.29	ug/l	98
43) Ethyl Acetate	4.87	43	8122	2.93	ug/l #	72
44) Isopropyl Acetate	6.48	43	11365	2.41	ug/l	99
45) 1,4-Dioxane	7.76	88	2623	61.25	ug/l	93
46) Methyl methacrylate	7.79	41	6089	2.48	ug/l	87
47) n-amyl Acetate	10.90	43	8303	1.84	ug/l	91
48) t-1,3-Dichloropropene	8.44	75	6309	1.91	ug/l	95
49) cis-1,3-Dichloropropene	9.05	75	5296	1.68	ug/l	90
50) 1,1,2-Trichloroethane	9.22	97	5329	2.42	ug/l	96
51) Ethyl methacrylate	9.19	69	6819	2.17	ug/l	93
52) 1,3-Dichloropropane	9.38	76	8726	2.45	ug/l	100
53) Dibromochloromethane	9.59	129	4445	1.83	ug/l	92
54) 1,2-Dibromoethane	9.68	107	5336	2.26	ug/l	96
55) 2-Chloroethyl vinyl ether	8.32	63	16442	10.69	ug/l	100
56) Bromoform	10.86	173	3357	1.69	ug/l #	96
58) 4-Methyl-2-Pentanone	8.66	43	36415	2.50	ug/l	99
59) 2-Hexanone	9.51	43	27202	2.40	ug/l	96
61) Tetrachloroethene	9.34	164	6983	2.60	ug/l	90
62) Toluene	8.79	91	23198	2.46	ug/l	98
64) Chlorobenzene	10.14	112	15104	2.37	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	4815	2.07	ug/l	96
66) Ethyl Benzene	10.26	91	24377	2.32	ug/l	96
67) m/p-Xylenes	10.37	106	18546	2.22	ug/l	99
68) o-Xylene	10.70	106	9189	2.27	ug/l	97
69) Styrene	10.72	104	13644	2.03	ug/l	95
70) Isopropylbenzene	11.02	105	24728	2.25	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	7736	2.40	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	8254	2.87	ug/l	80
73) Bromobenzene	11.26	156	7621	2.39	ug/l	95
74) n-propylbenzene	11.37	91	27177	2.19	ug/l	99
75) 2-Chlorotoluene	11.43	91	16992	2.27	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	20053	2.14	ug/l	66
77) t-1,4-Dichloro-2-butene	11.08	75	1200	1.40	ug/l #	53
78) 4-Chlorotoluene	11.52	91	18847	2.11	ug/l	97
79) tert-butylbenzene	12.07	119	21219	2.12	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	20619	2.17	ug/l	96
81) sec-Butylbenzene	11.95	105	23737	2.19	ug/l	99
82) p-Isopropyltoluene	12.07	119	21219	2.12	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	13023	2.24	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	13297	2.24	ug/l	97
85) n-Butylbenzene	12.39	91	17289	2.00	ug/l	100
86) Hexachloroethane	12.60	117	2879	1.88	ug/l	79
87) 1,2-Dichlorobenzene	12.40	146	13204	2.28	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.01	75	1301	1.93	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	9245	2.11	ug/l	98
90) Hexachlorobutadiene	13.79	225	5050	2.48	ug/l	95
91) Naphthalene	13.84	128	24925	2.19	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	9741	2.25	ug/l	99

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX043018\
Quantitation Report (Not Reviewed)

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Acq On : 30 Apr 2018 19:39
Operator : JC/MD
Sample : J2133-09 MDL 2.5PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 01 03:16:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Apr 30 16:58:22 2018
Response via : Initial Calibration

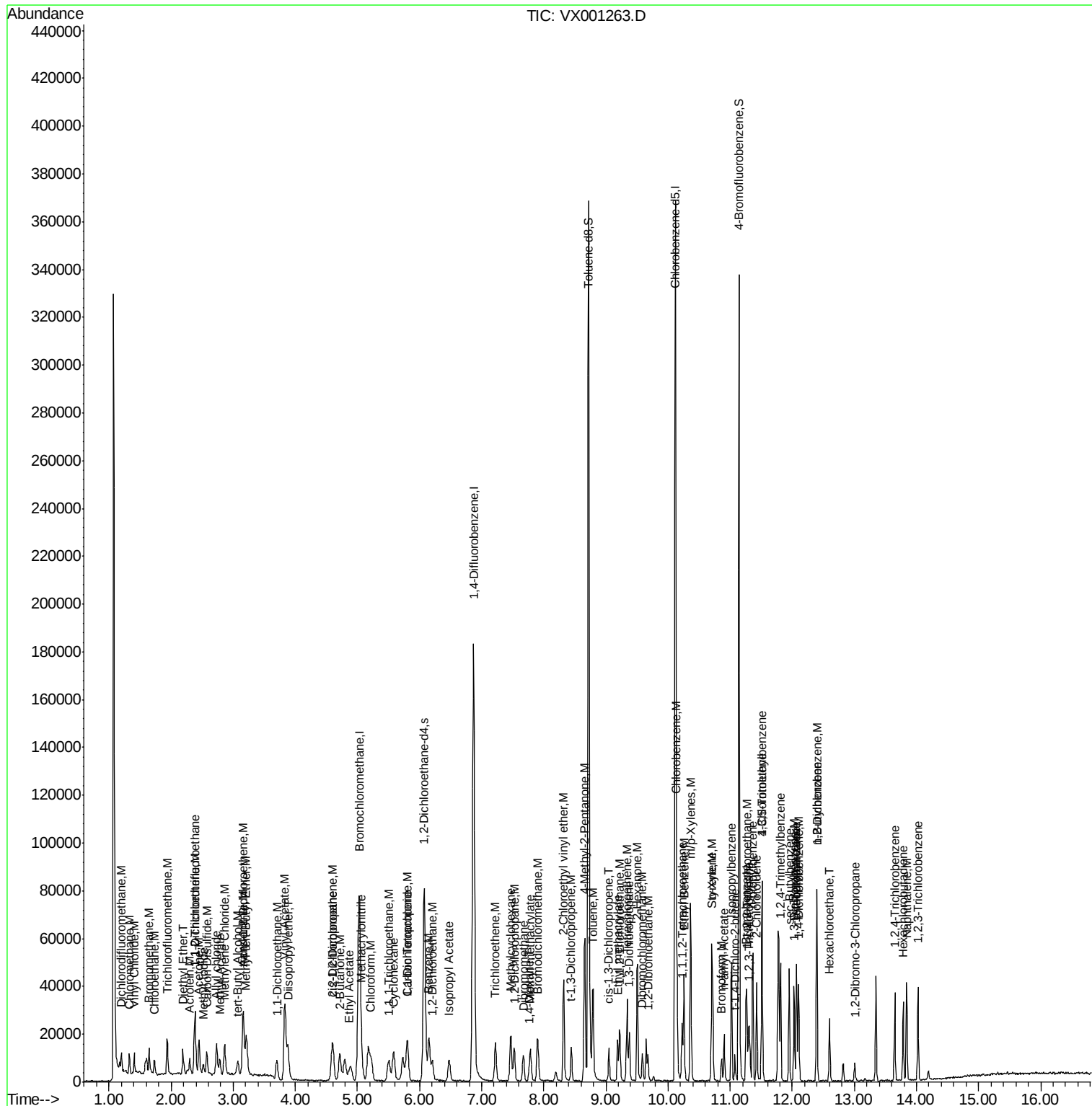
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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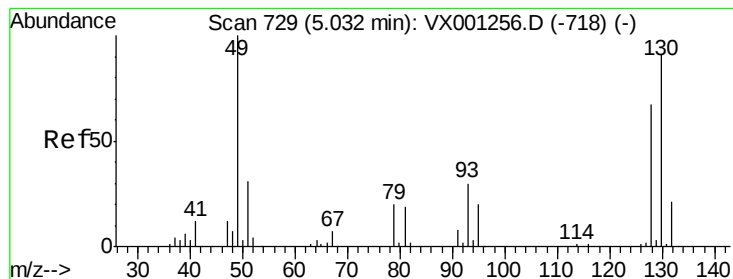
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 11 Sample Multiplier: 1

MDL-WATER-03-QT2-2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

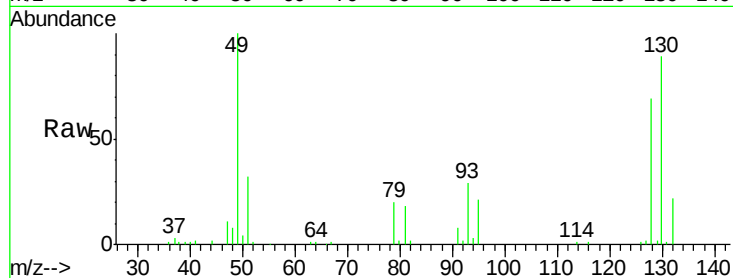
Tgt Ion:128 Resp: 33971

Ion Ratio Lower Upper

128 100

49 146.8 0.0 378.3

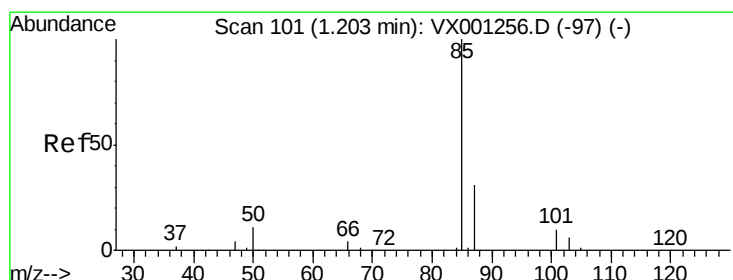
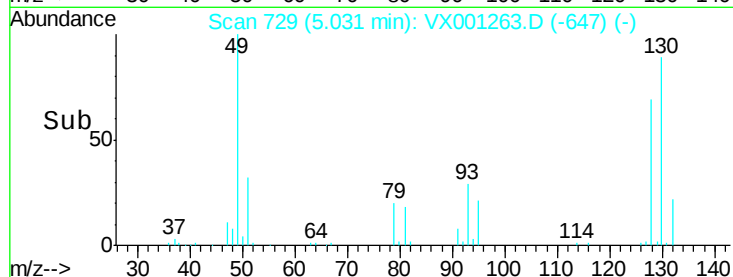
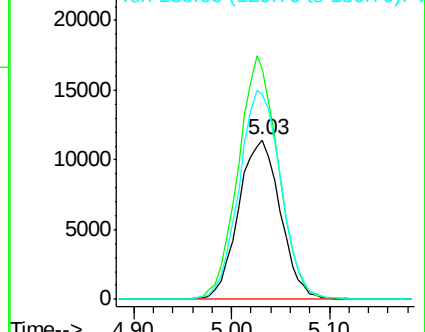
130 131.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001263.D

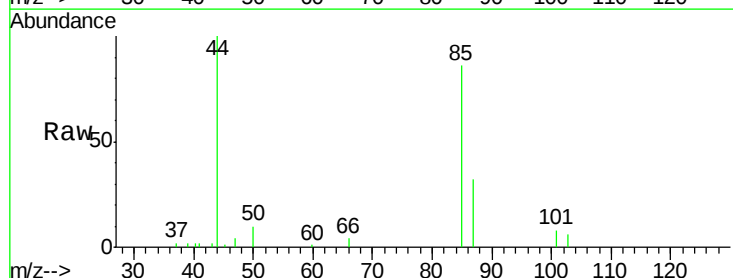
Acq: 30 Apr 2018 19:39

Tgt Ion: 85 Resp: 4095

Ion Ratio Lower Upper

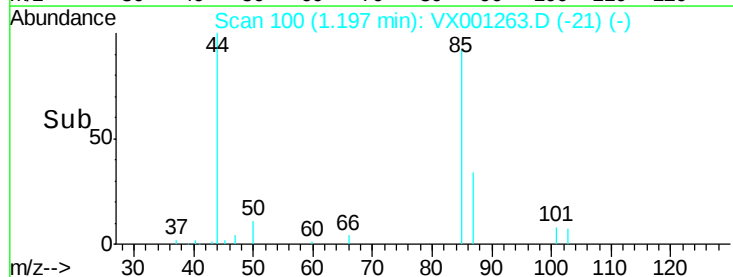
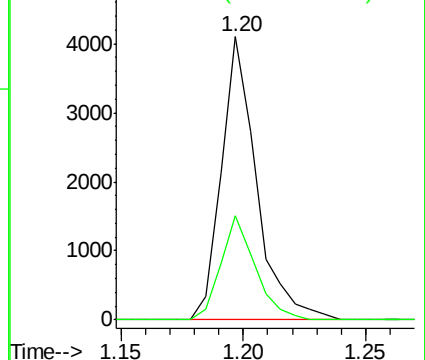
85 100

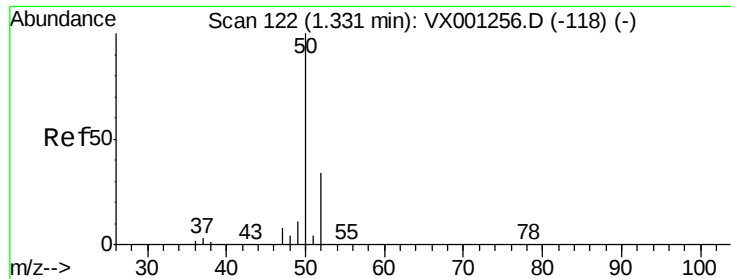
87 36.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

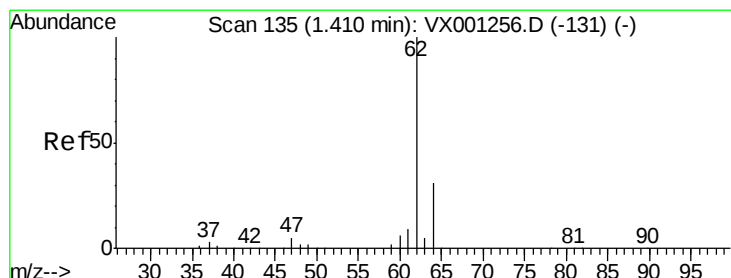
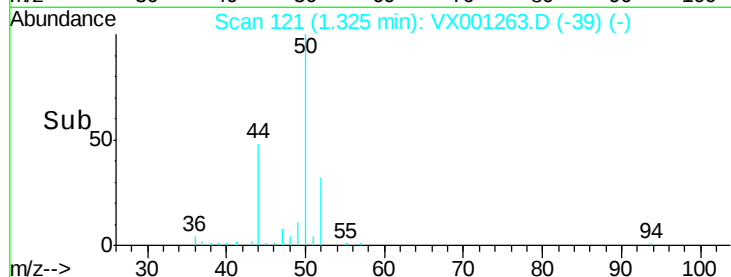
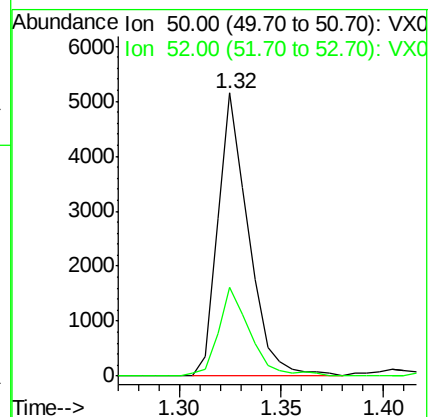
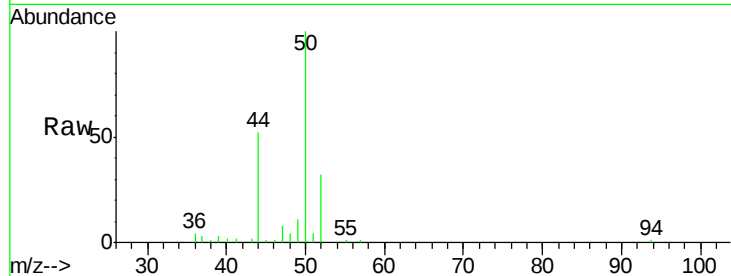
MDL-WATER-03-QT2-2018

Tgt Ion: 50 Resp: 5358

Ion Ratio Lower Upper

50 100

52 31.5 27.8 41.6



#4

Vinyl Chloride

Concen: 2.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001263.D

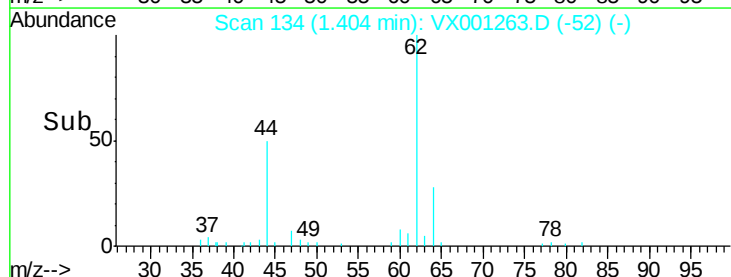
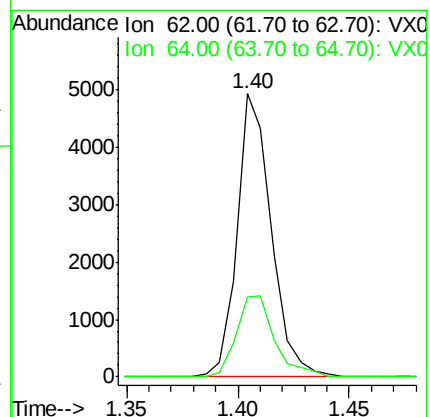
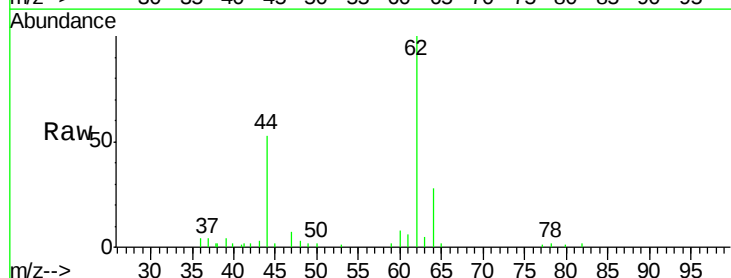
Acq: 30 Apr 2018 19:39

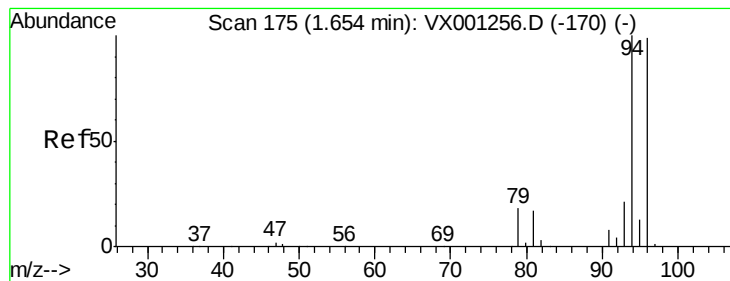
Tgt Ion: 62 Resp: 5264

Ion Ratio Lower Upper

62 100

64 28.3 26.0 39.0





#5

Bromomethane

Concen: 3.01 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

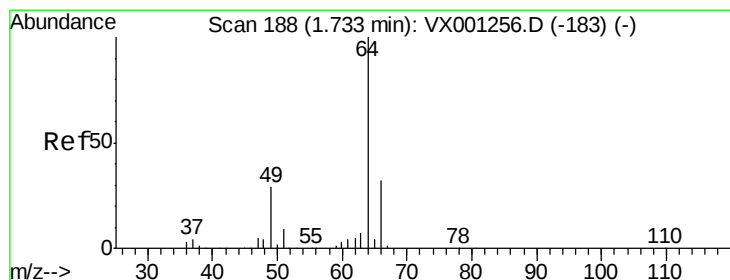
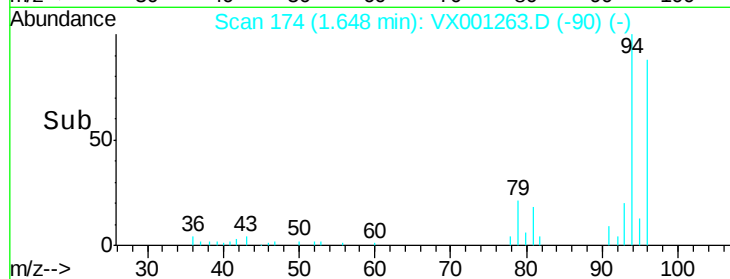
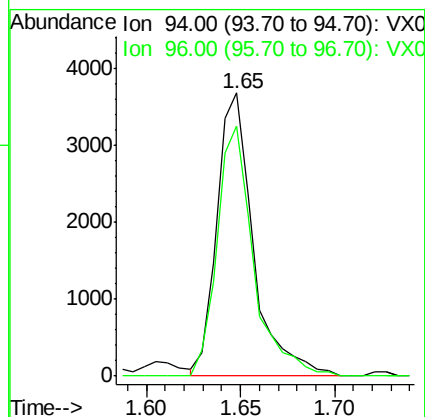
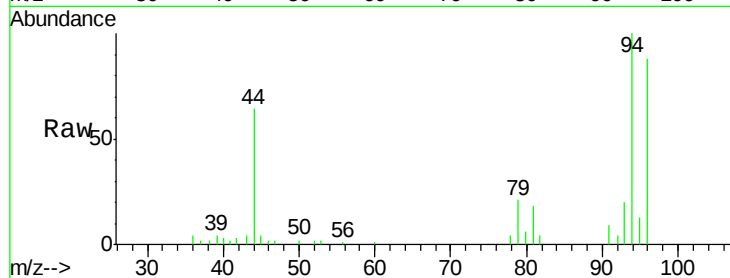
MDL-WATER-03-QT2-2018

Tgt Ion: 94 Resp: 4953

Ion Ratio Lower Upper

94 100

96 88.2 76.2 114.2



#6

Chloroethane

Concen: 2.59 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001263.D

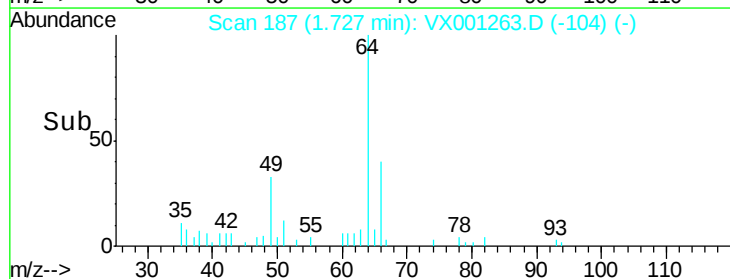
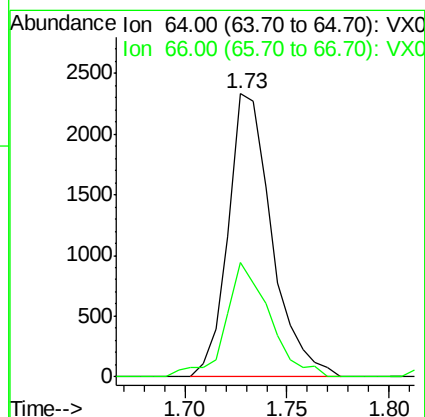
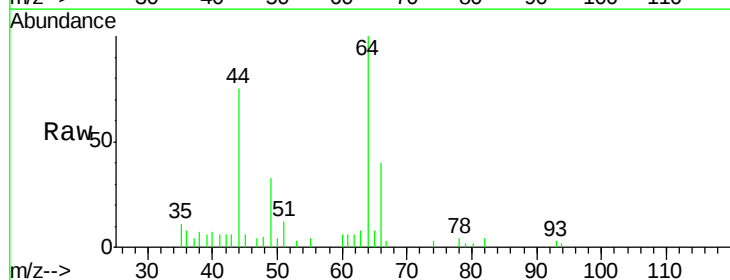
Acq: 30 Apr 2018 19:39

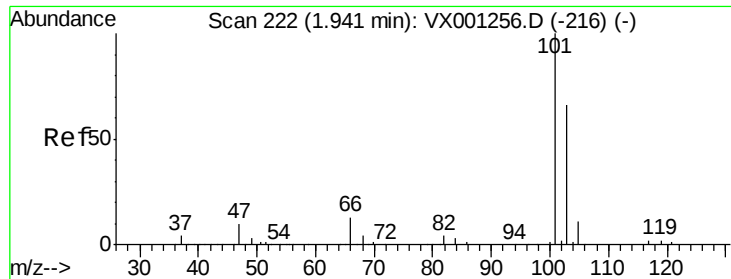
Tgt Ion: 64 Resp: 3449

Ion Ratio Lower Upper

64 100

66 40.2 25.2 37.8#





#7

Trichlorofluoromethane

Concen: 2.46 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

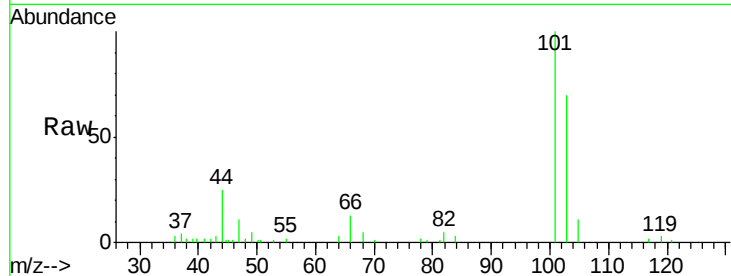
MDL-WATER-03-QT2-2018

Tgt Ion:101 Resp: 8926

Ion Ratio Lower Upper

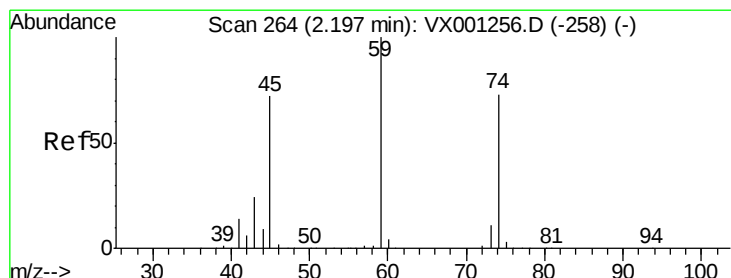
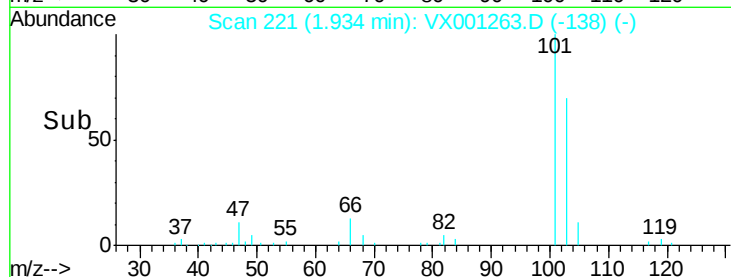
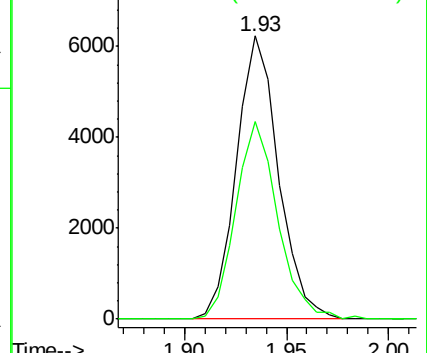
101 100

103 70.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 2.59 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001263.D

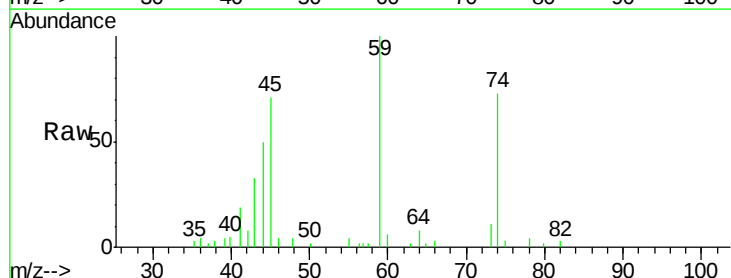
Acq: 30 Apr 2018 19:39

Tgt Ion: 74 Resp: 3262

Ion Ratio Lower Upper

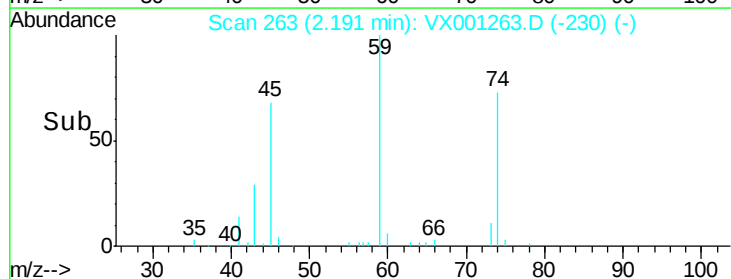
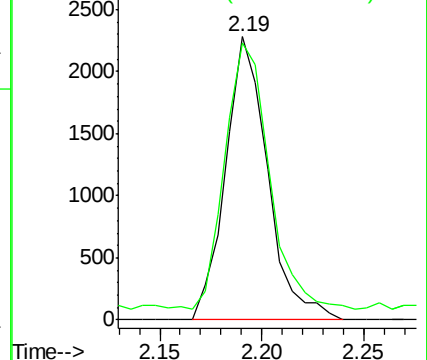
74 100

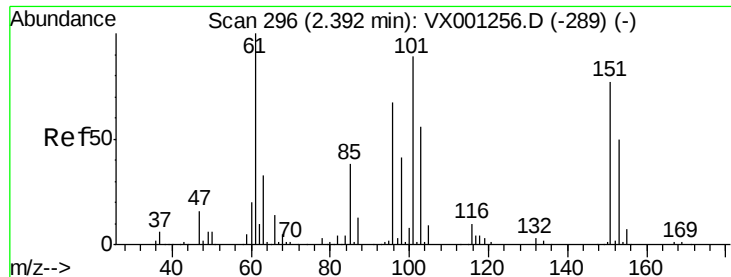
45 105.1 17.8 159.8



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: 2.52 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

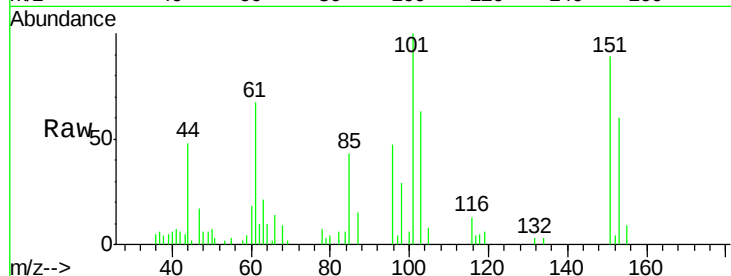
Tgt Ion: 101 Resp: 5172

Ion Ratio Lower Upper

101 100

85 47.4 0.0 90.4

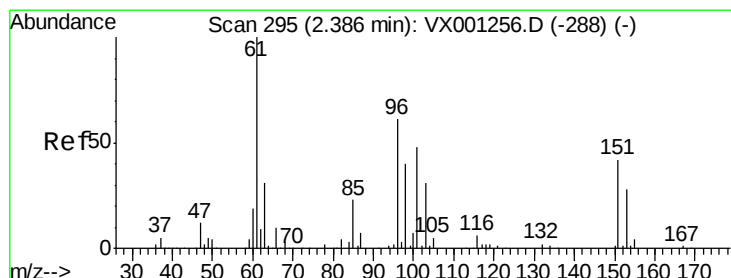
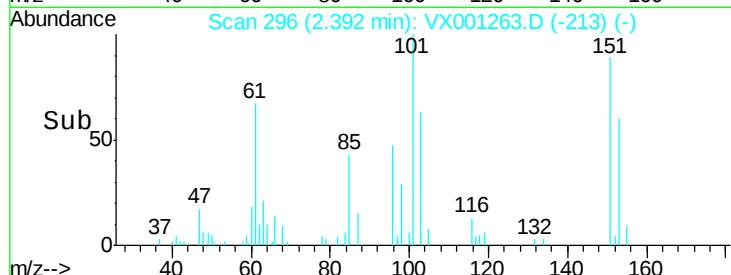
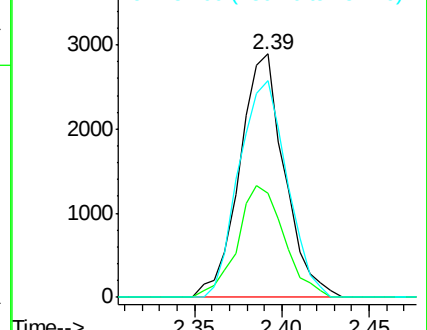
151 94.9 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.63 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

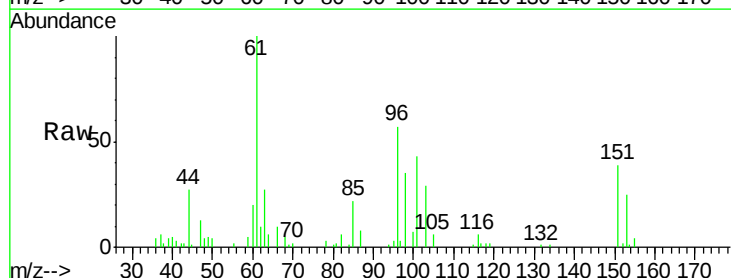
Tgt Ion: 96 Resp: 4892

Ion Ratio Lower Upper

96 100

61 173.4 118.6 178.0

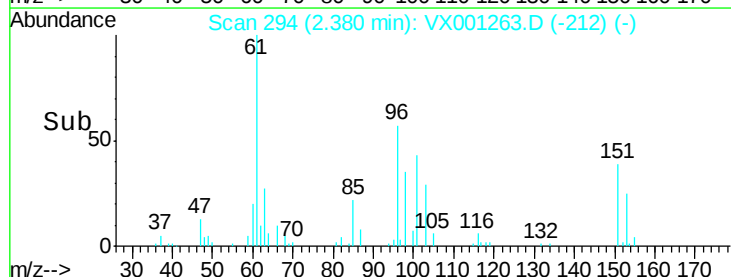
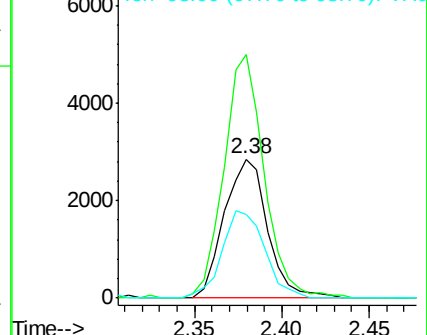
98 60.5 51.0 76.6

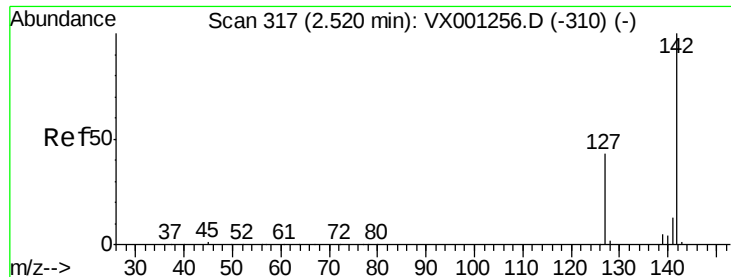


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

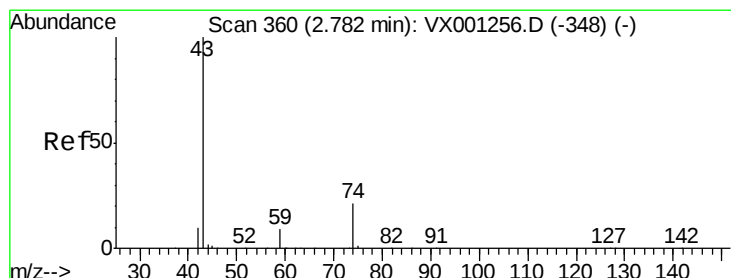
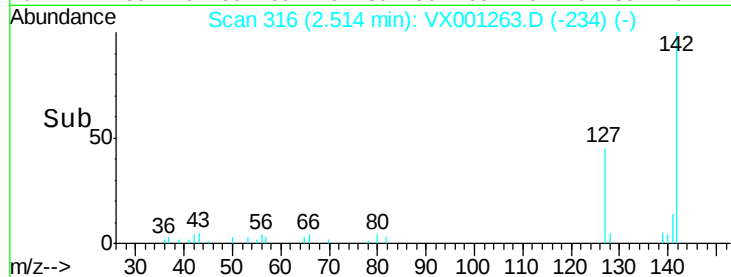
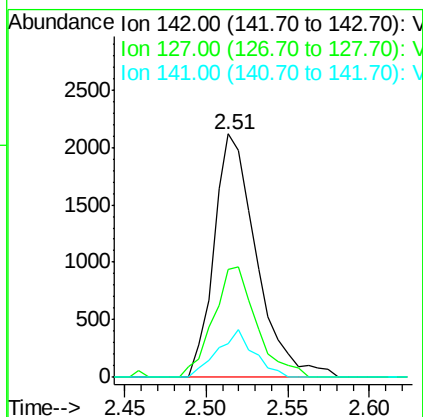
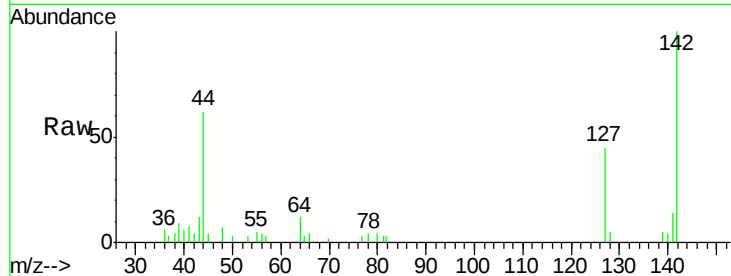




#11
Methyl Iodide
Concen: 1.69 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

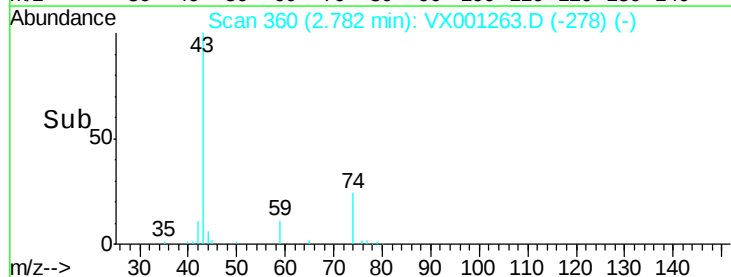
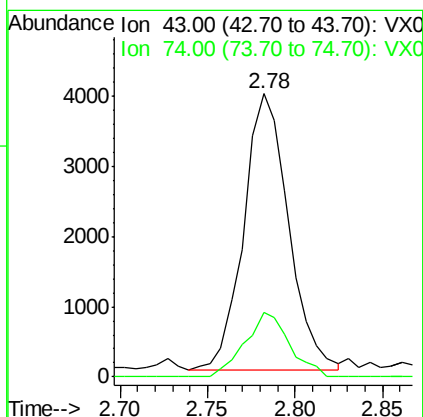
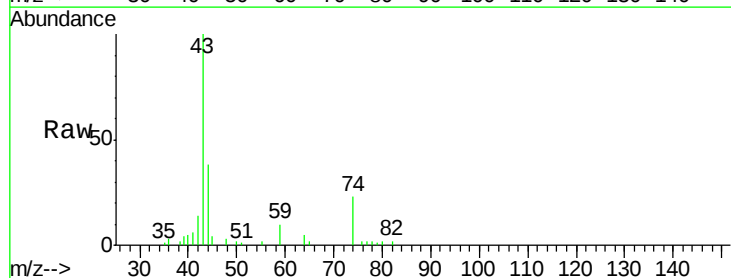
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

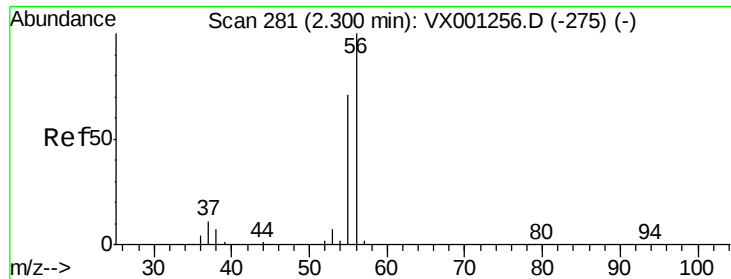
Tgt Ion:142 Resp: 3830
Ion Ratio Lower Upper
142 100
127 42.4 23.8 71.5
141 13.7 8.2 24.4



#12
Methyl Acetate
Concen: 2.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 6977
Ion Ratio Lower Upper
43 100
74 23.8 18.6 27.8





#13

Acrolein

Concen: 3.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

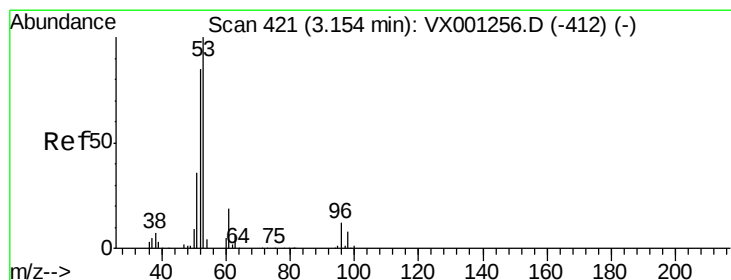
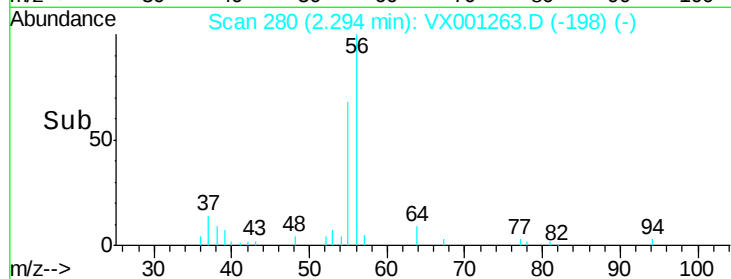
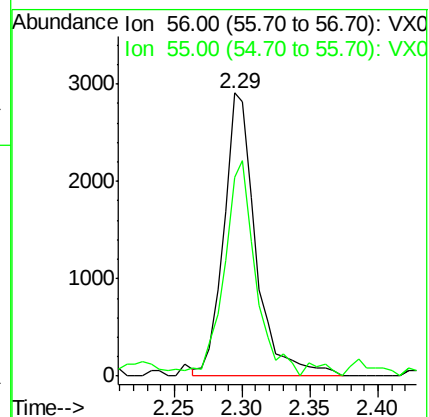
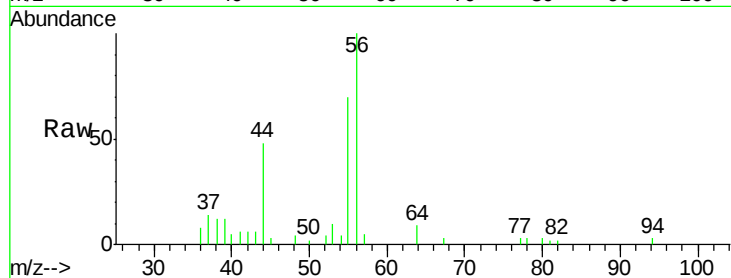
MDL-WATER-03-QT2-2018

Tgt Ion: 56 Resp: 4747

Ion Ratio Lower Upper

56 100

55 65.3 57.3 85.9



#14

Acrylonitrile

Concen: 2.96 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

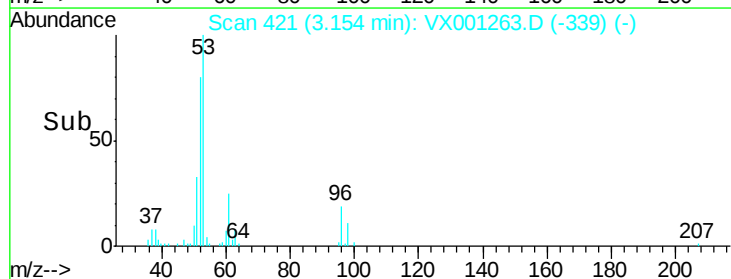
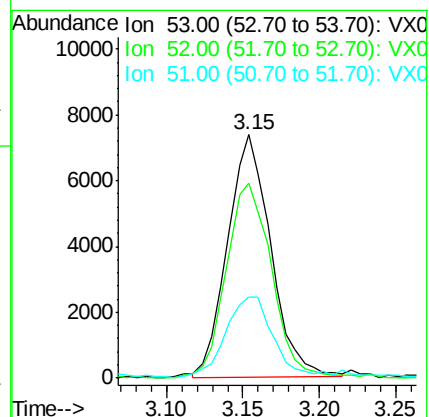
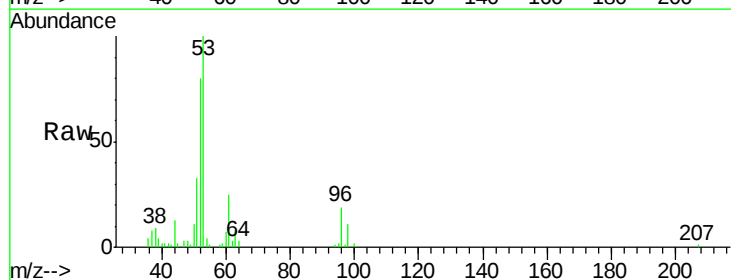
Tgt Ion: 53 Resp: 14415

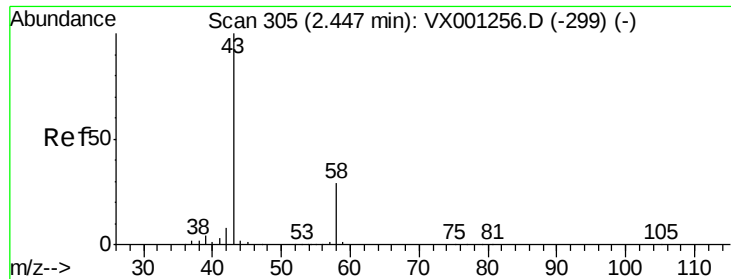
Ion Ratio Lower Upper

53 100

52 84.6 41.9 125.8

51 36.8 18.8 56.3





#15

Acetone

Concen: 3.10 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

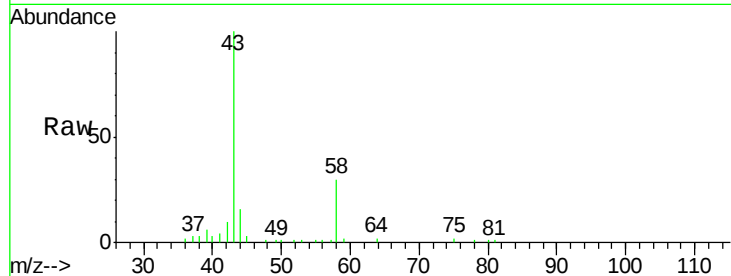
MDL-WATER-03-QT2-2018

Tgt Ion: 58 Resp: 4696

Ion Ratio Lower Upper

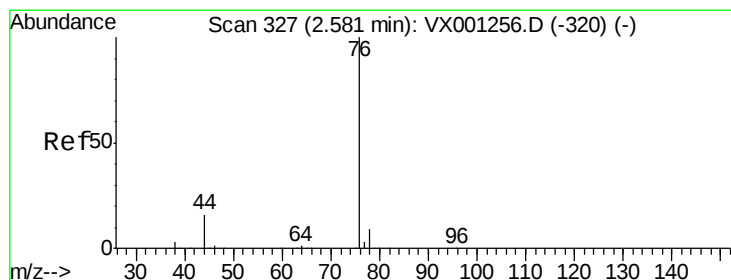
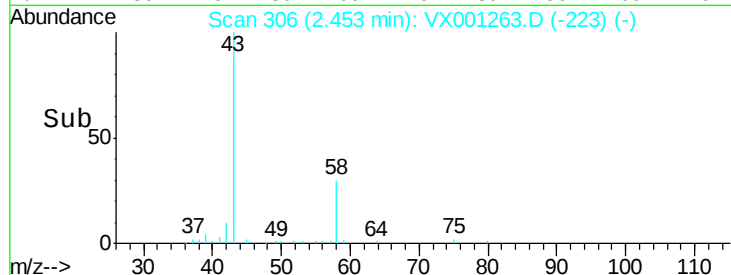
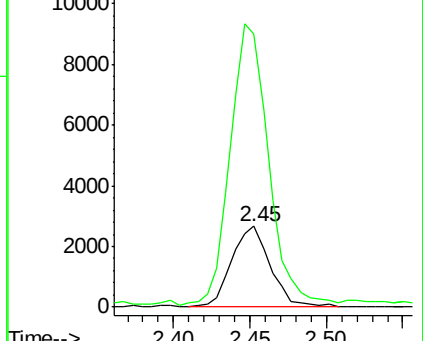
58 100

43 333.6 264.6 396.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 2.31 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001263.D

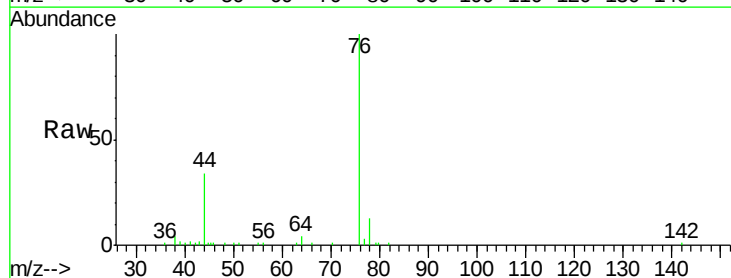
Acq: 30 Apr 2018 19:39

Tgt Ion: 76 Resp: 11411

Ion Ratio Lower Upper

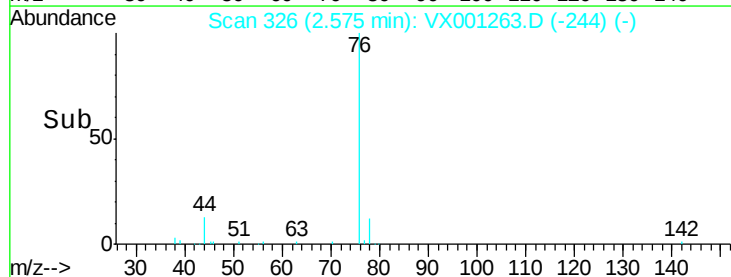
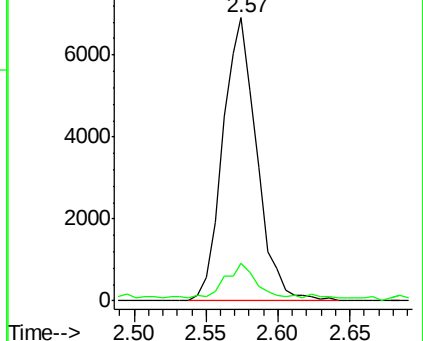
76 100

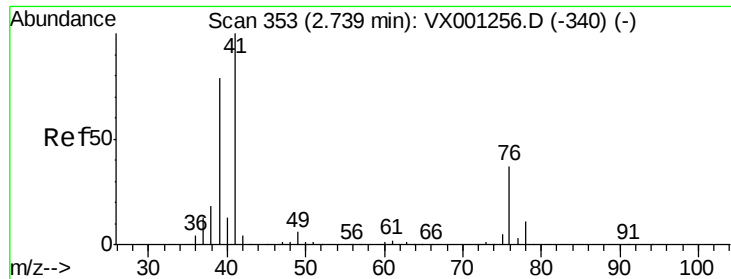
78 12.0 6.8 10.2#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allyl chloride

Concen: 2.59 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

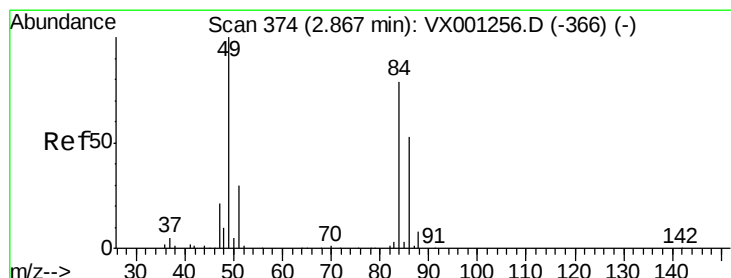
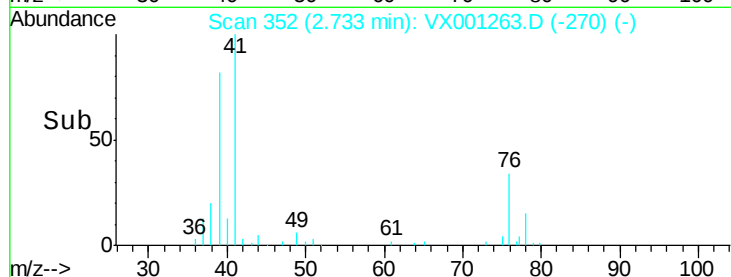
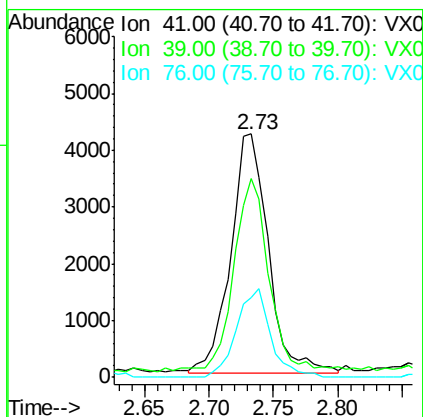
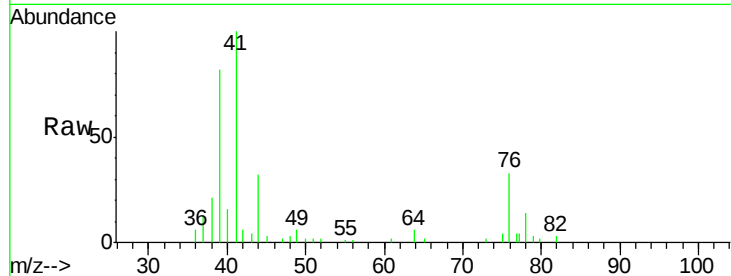
Tgt Ion: 41 Resp: 8536

Ion Ratio Lower Upper

41 100

39 80.2 38.5 115.5

76 33.9 18.7 56.1



#18

Methylene Chloride

Concen: 2.81 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion: 84 Resp: 5695

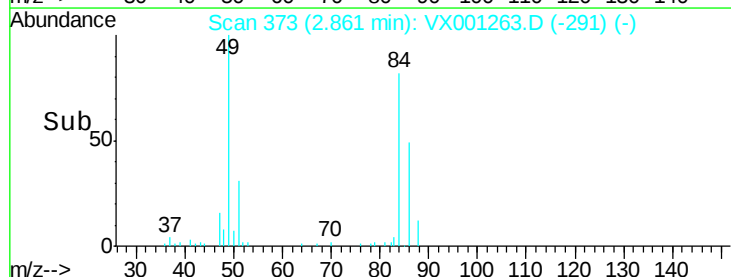
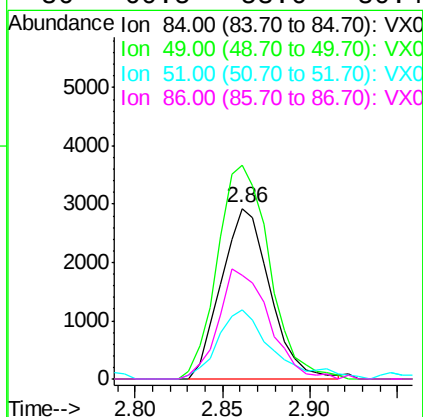
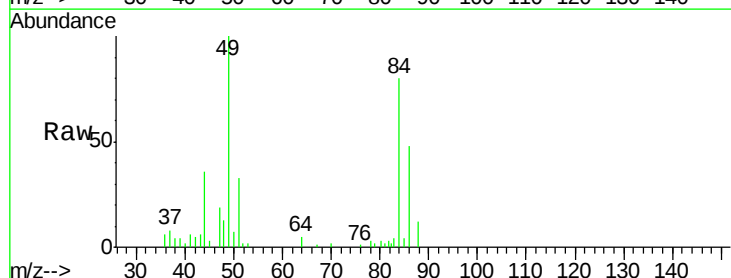
Ion Ratio Lower Upper

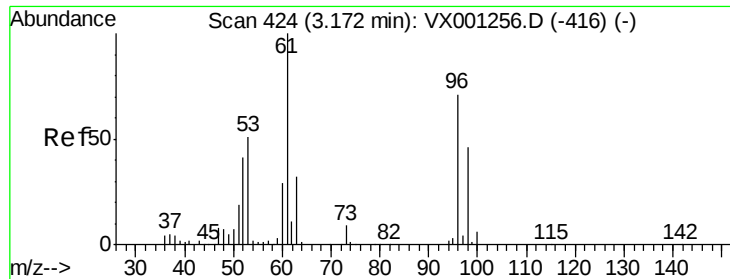
84 100

49 123.2 103.3 154.9

51 38.7 31.2 46.8

86 60.5 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 2.72 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

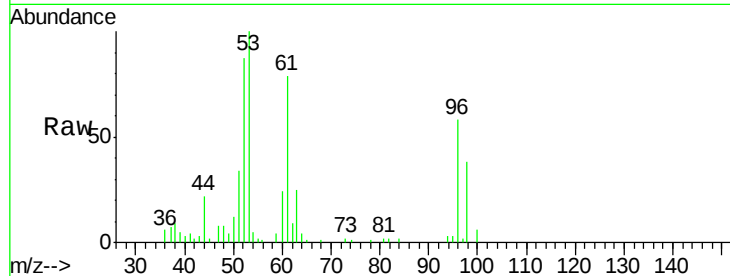
Tgt Ion: 96 Resp: 5465

Ion Ratio Lower Upper

96 100

61 133.1 101.0 151.6

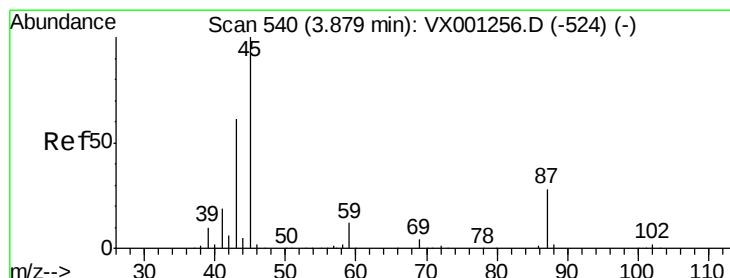
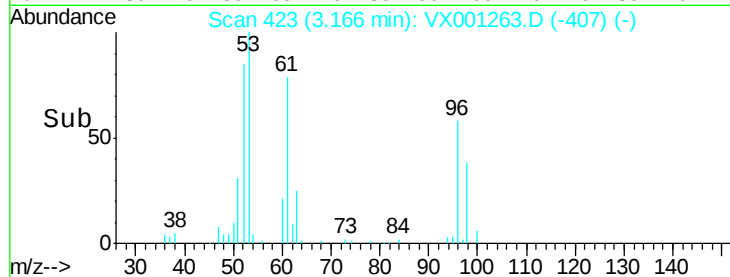
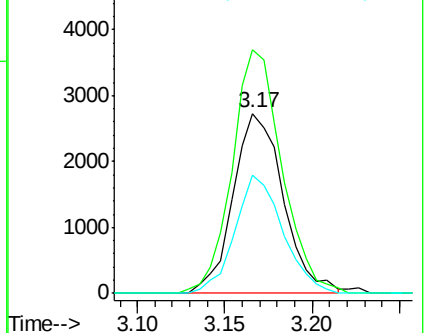
98 65.6 53.3 79.9



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 2.40 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Tgt Ion: 45 Resp: 15605

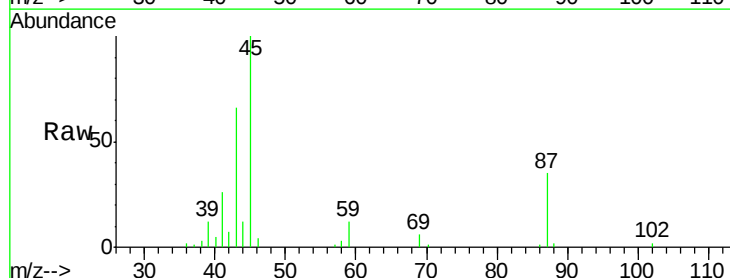
Ion Ratio Lower Upper

45 100

43 62.7 49.6 74.4

87 35.2 23.1 34.7#

59 12.4 10.8 16.2

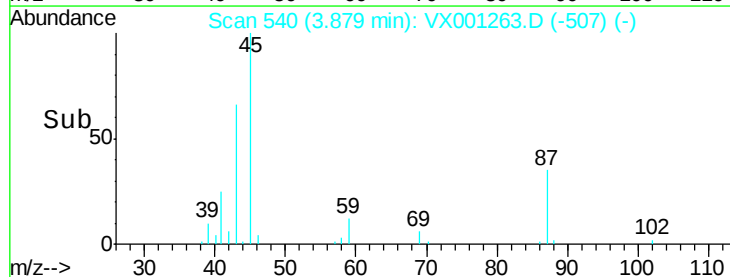
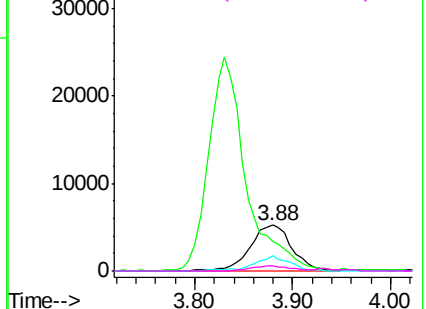


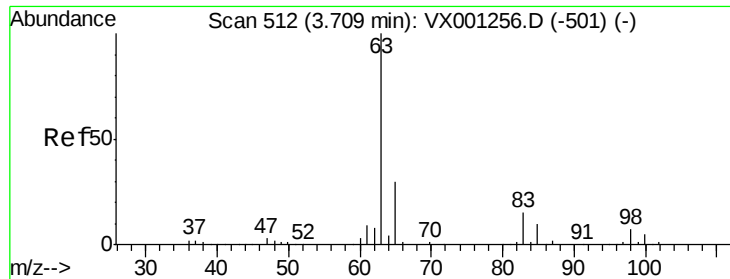
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

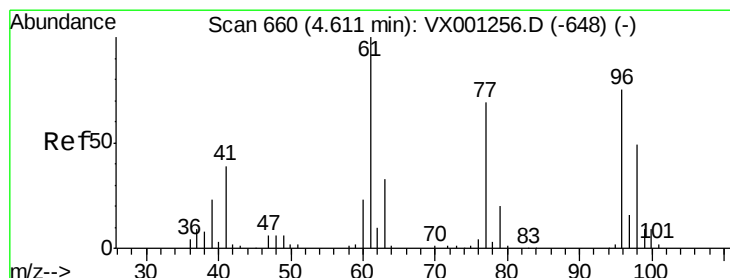
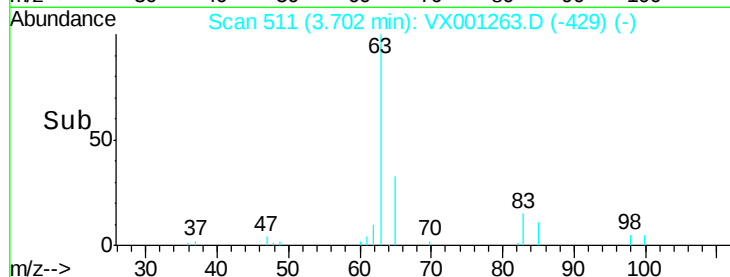
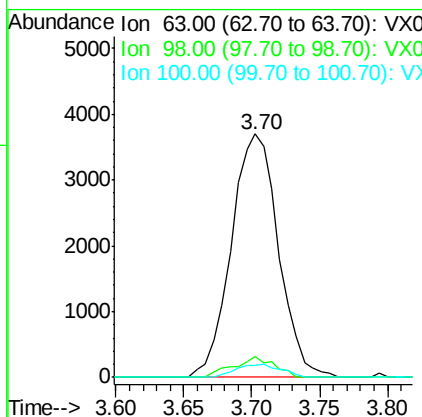
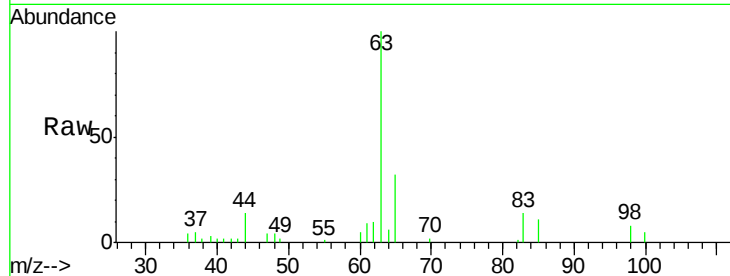




#21
 1,1-Dichloroethane
 Concen: 2.56 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

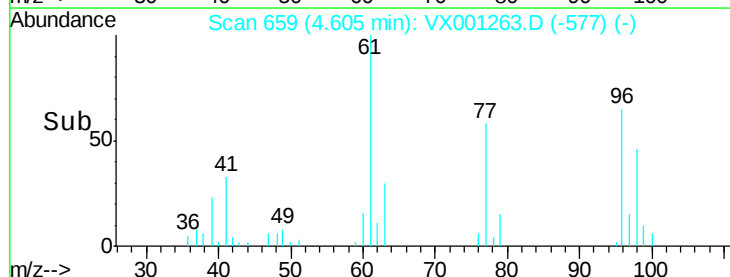
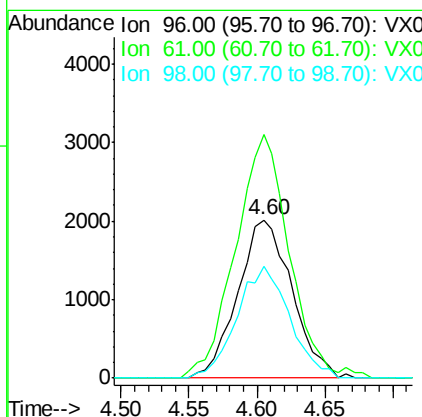
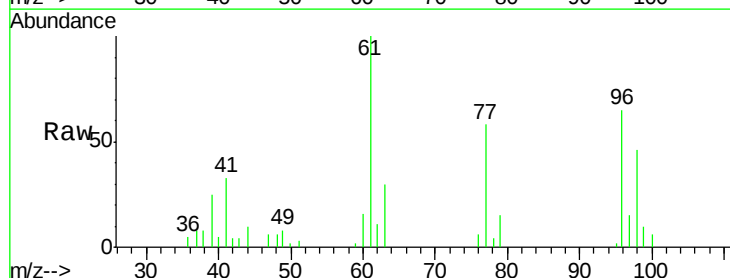
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

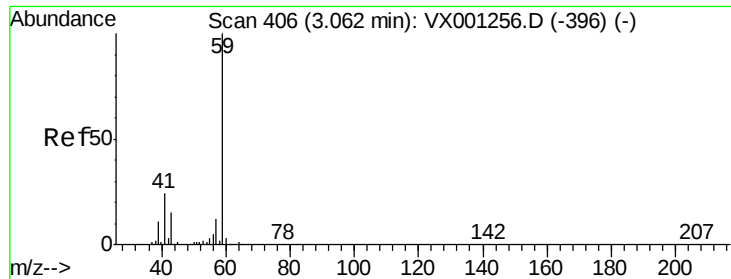
Tgt Ion: 63 Resp: 8952
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.3 9.9
 100 5.0 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 2.50 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 96 Resp: 5601
 Ion Ratio Lower Upper
 96 100
 61 151.0 113.5 170.3
 98 68.9 51.8 77.8

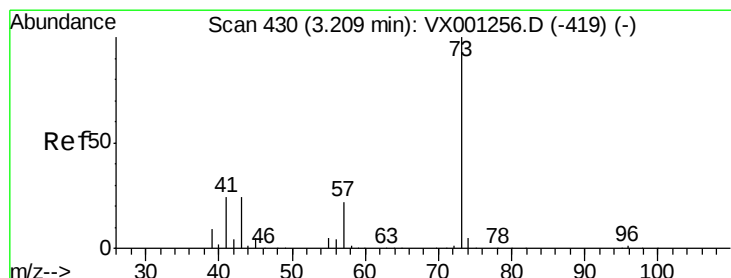
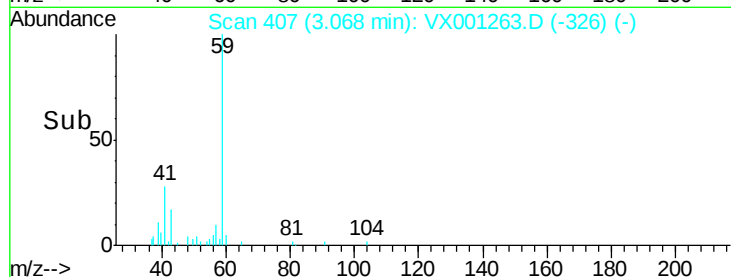
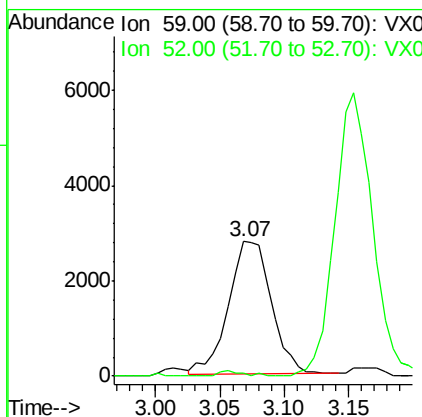
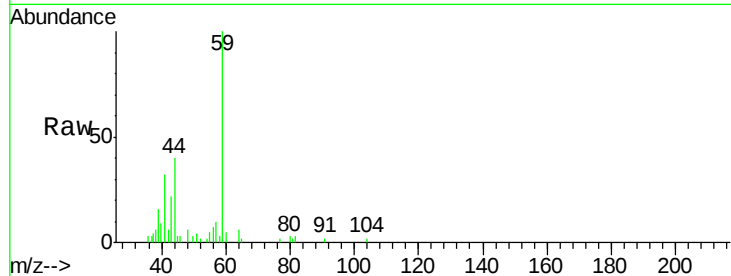




#23
 tert-Butyl Alcohol
 Concen: 3.25 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

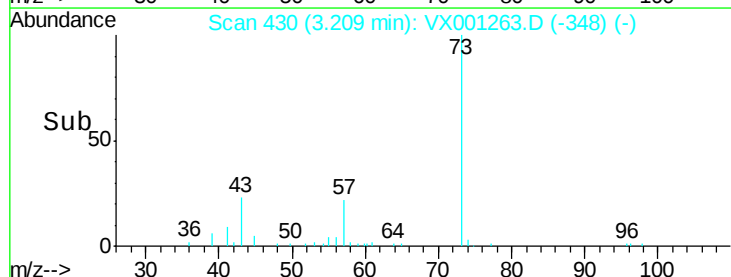
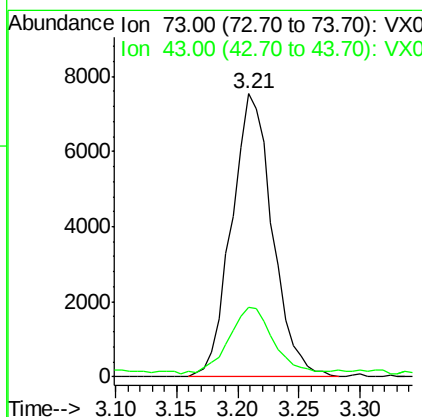
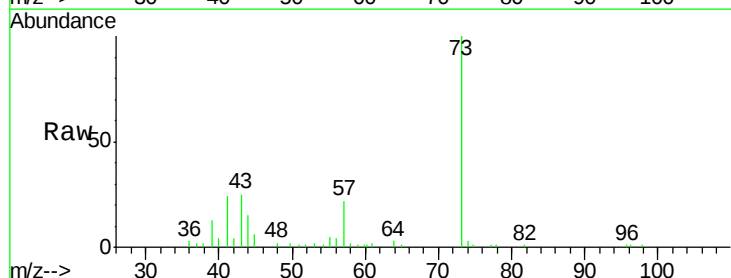
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

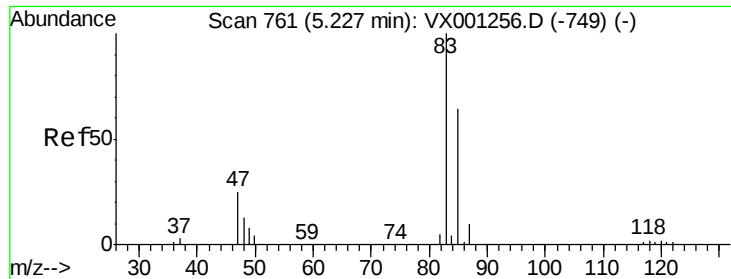
Tgt Ion: 59 Resp: 6470
 Ion Ratio Lower Upper
 59 100
 52 1.9 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 2.73 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 73 Resp: 17450
 Ion Ratio Lower Upper
 73 100
 43 26.9 16.5 24.7#

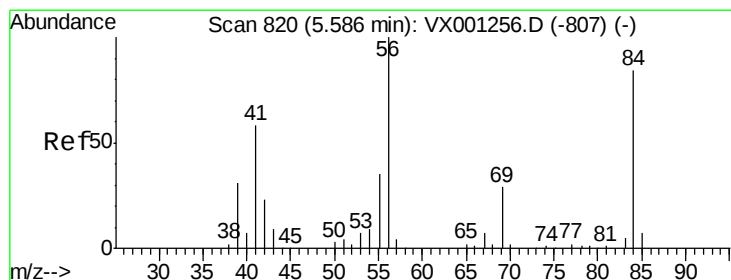
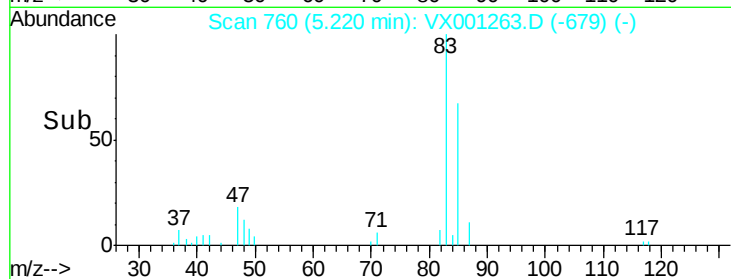
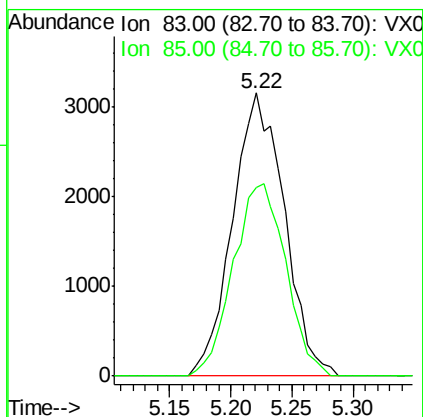
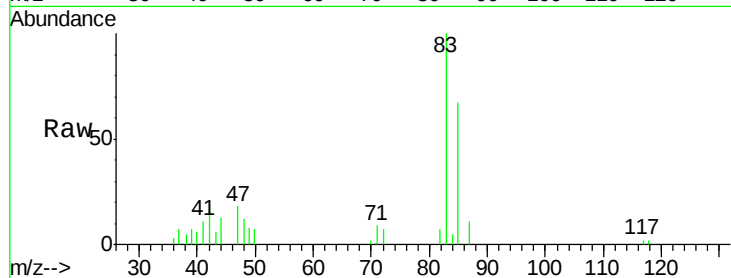




#25
Chloroform
Concen: 2.44 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

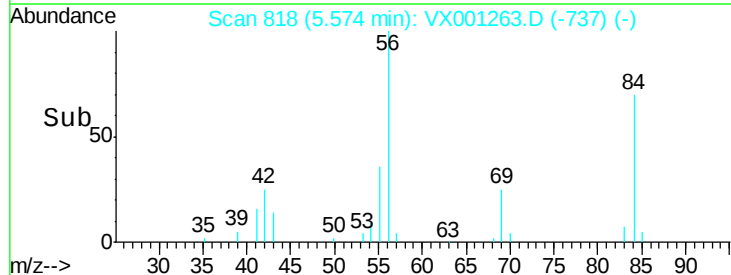
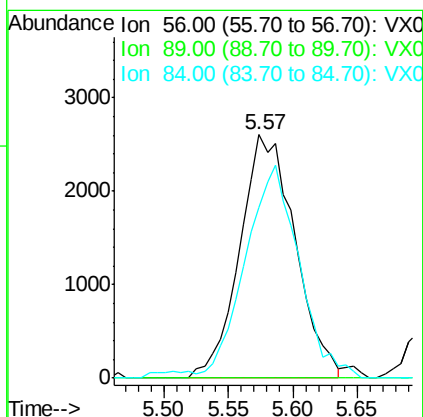
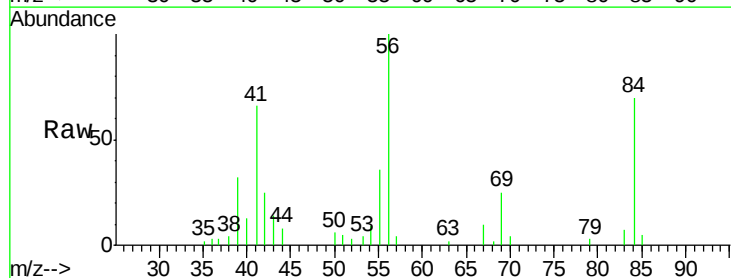
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

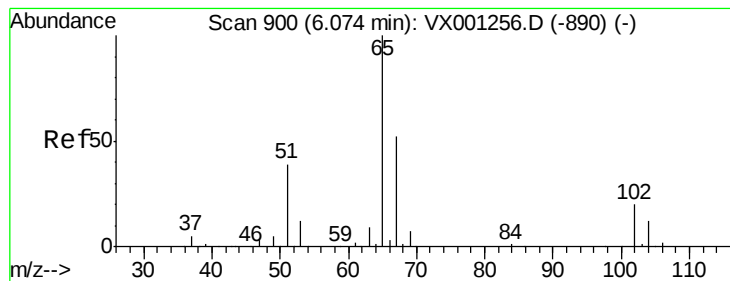
Tgt Ion: 83 Resp: 9278
Ion Ratio Lower Upper
83 100
85 66.7 52.5 78.7



#26
Cyclohexane
Concen: 2.44 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 56 Resp: 7754
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 74.8 112.2





#27

1,2-Dichloroethane-d4

Concen: 31.36 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

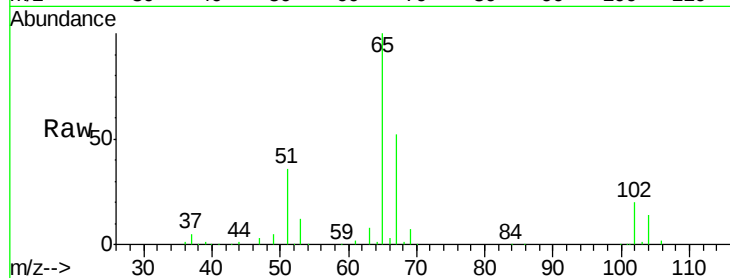
MDL-WATER-03-QT2-2018

Tgt Ion: 65 Resp: 76848

Ion Ratio Lower Upper

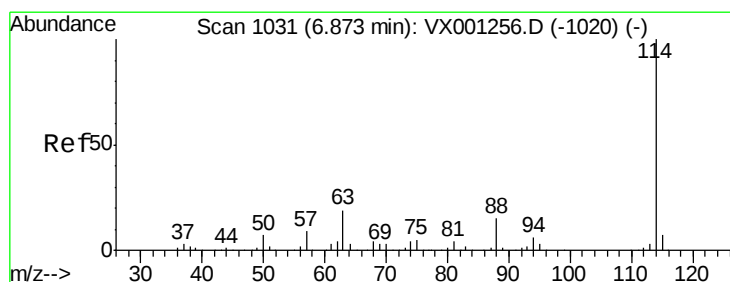
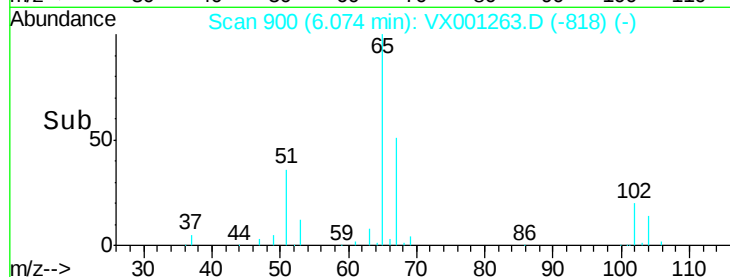
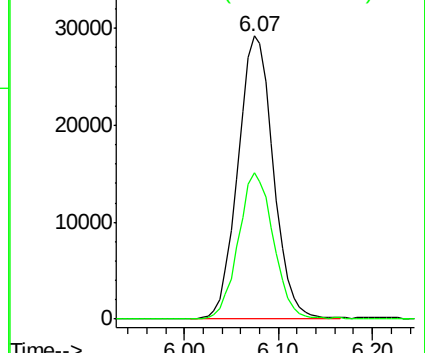
65 100

67 50.8 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

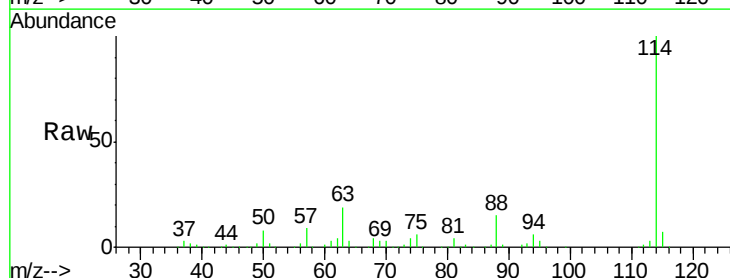
Tgt Ion: 114 Resp: 189369

Ion Ratio Lower Upper

114 100

63 19.7 15.0 22.4

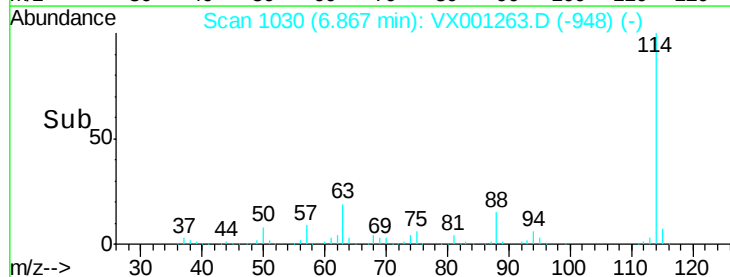
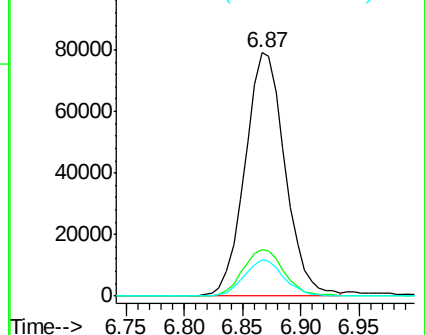
88 14.8 11.8 17.8

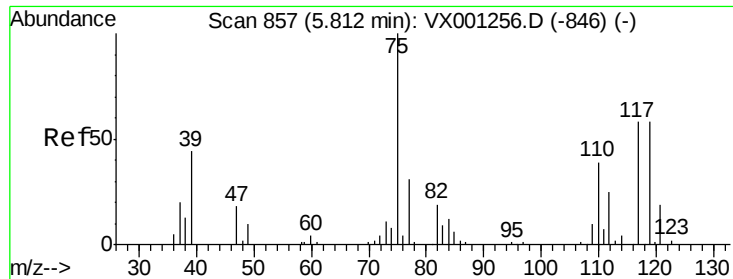


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

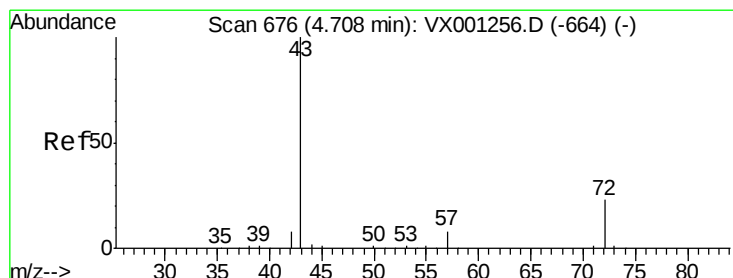
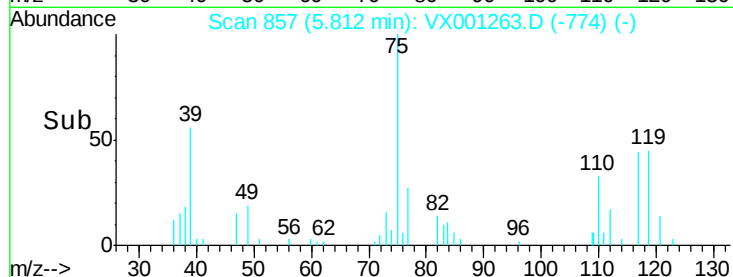
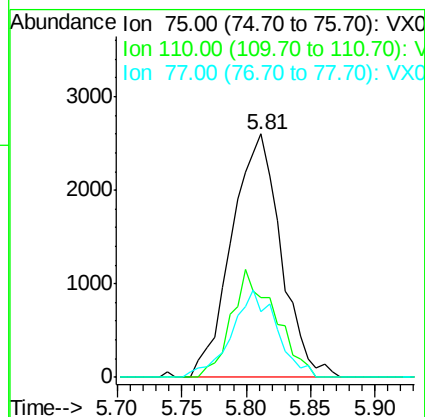
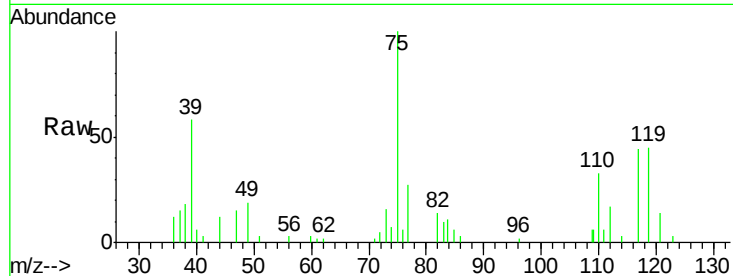




#29
 1,1-Dichloropropene
 Concen: 2.46 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

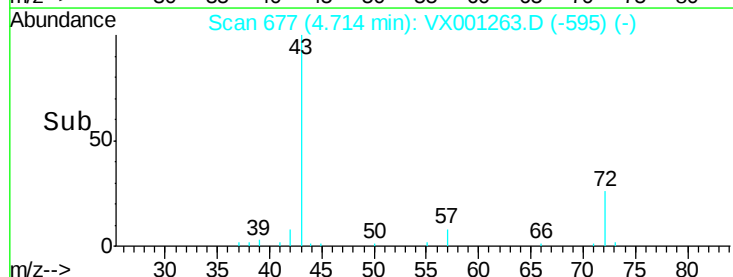
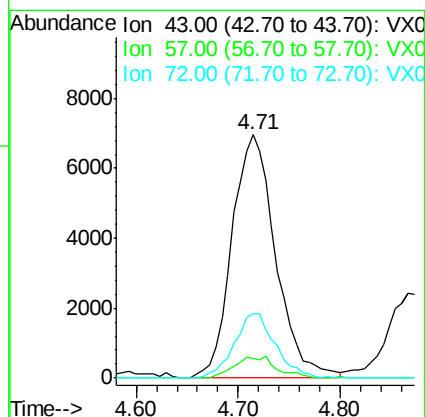
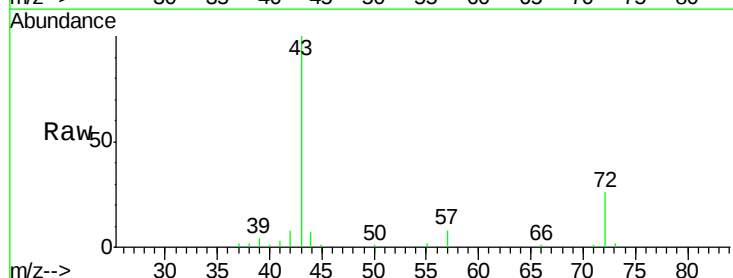
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

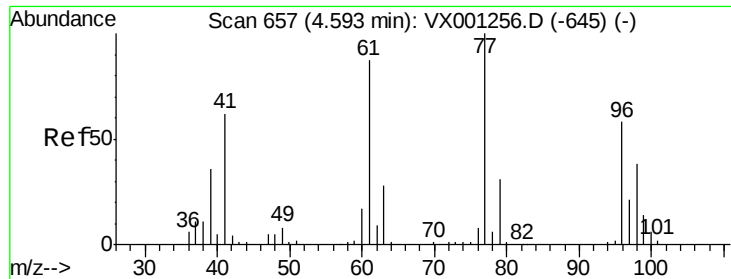
Tgt Ion: 75 Resp: 6913
 Ion Ratio Lower Upper
 75 100
 110 26.0 0.0 75.6
 77 33.1 0.0 62.6



#30
 2-Butanone
 Concen: 2.88 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 20714
 Ion Ratio Lower Upper
 43 100
 57 5.2 6.6 10.0#
 72 24.8 21.8 32.6

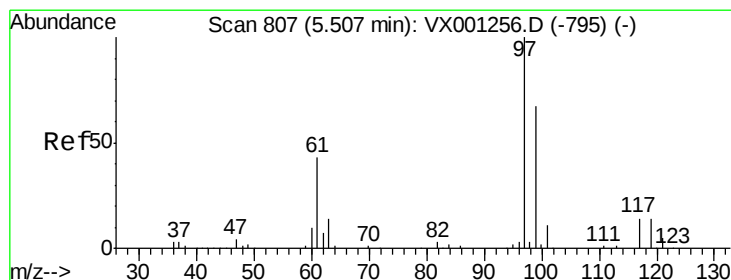
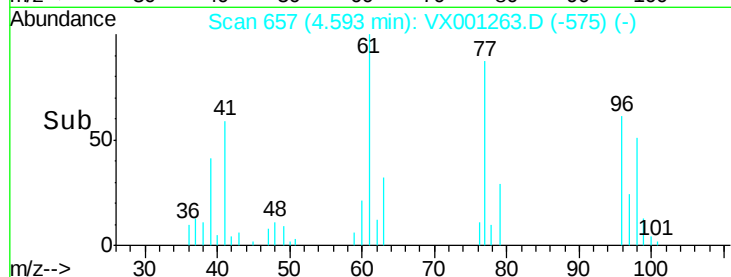
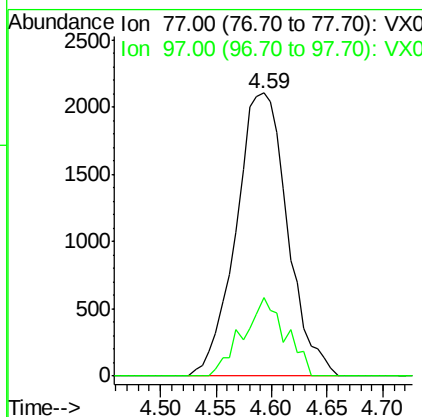
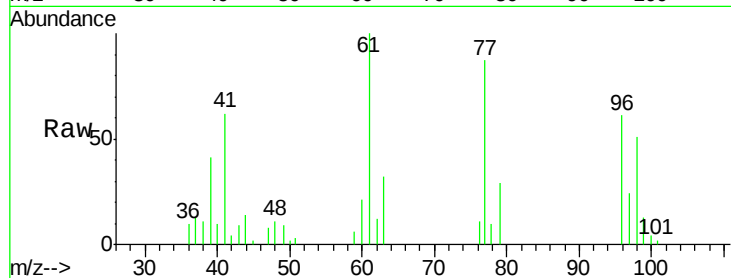




#31
 2,2-Dichloropropane
 Concen: 2.21 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

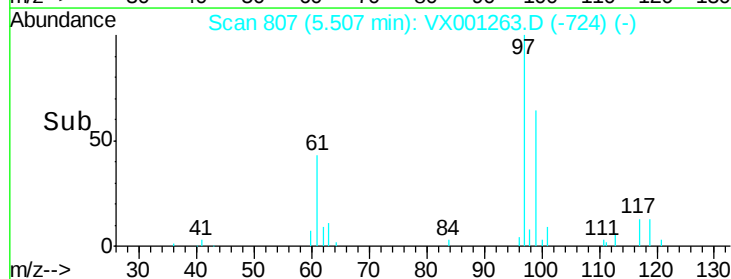
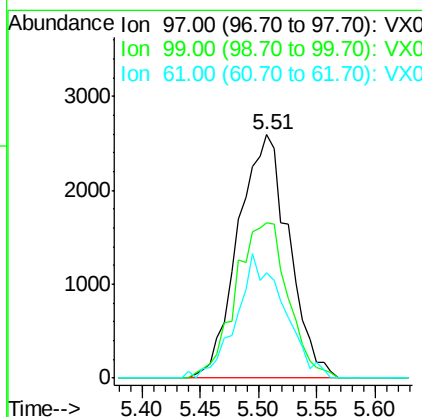
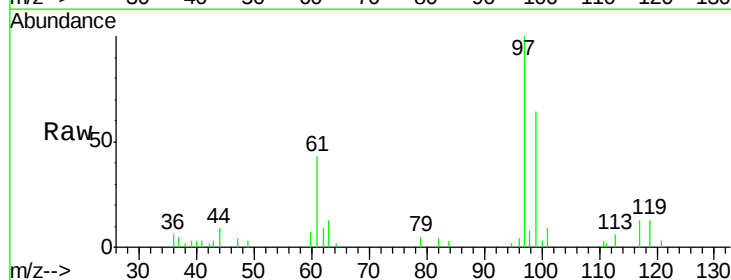
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

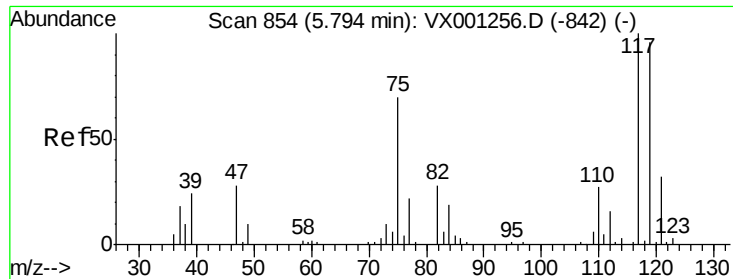
Tgt Ion: 77 Resp: 6776
 Ion Ratio Lower Upper
 77 100
 97 18.0 18.6 27.8#



#32
 1,1,1-Trichloroethane
 Concen: 2.32 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 97 Resp: 7867
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.3 78.5
 61 24.7 34.3 51.5#

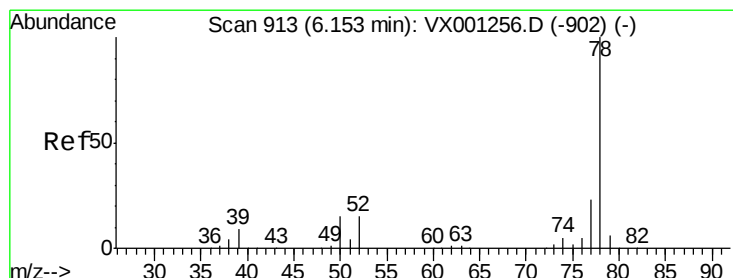
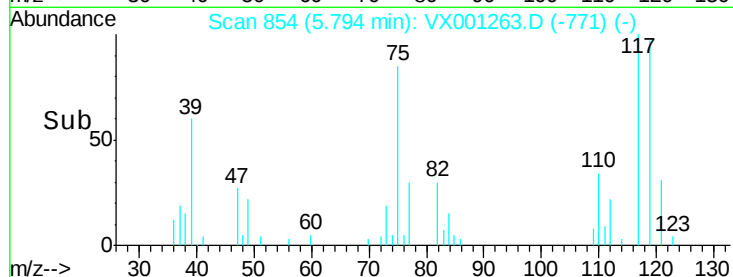
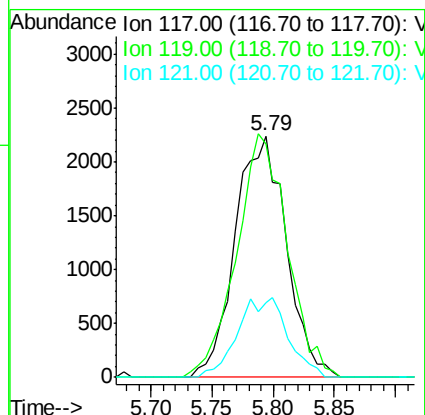
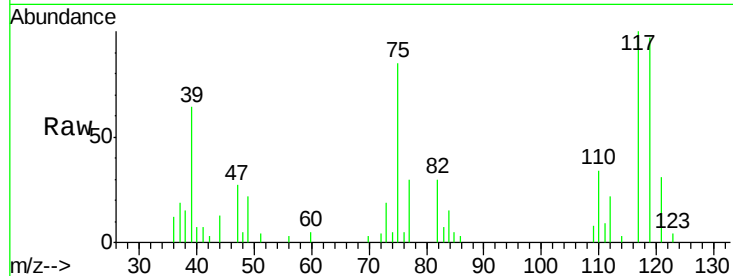




#33
Carbon Tetrachloride
Concen: 2.12 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

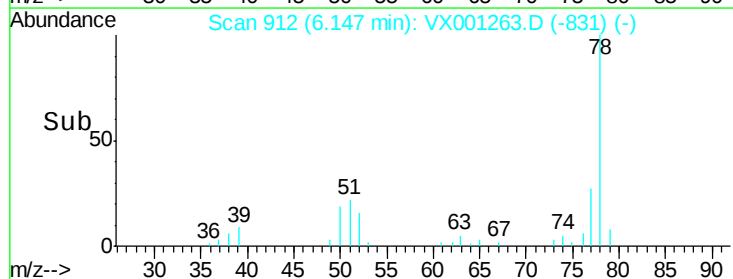
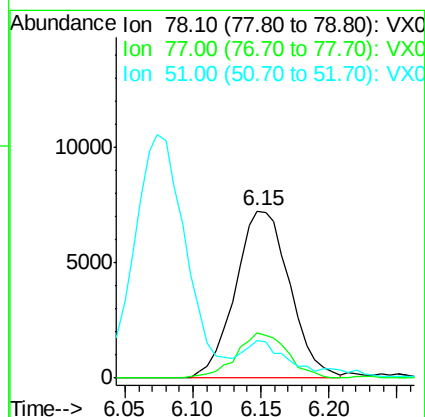
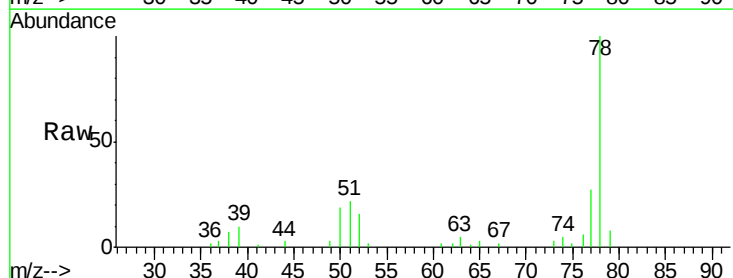
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

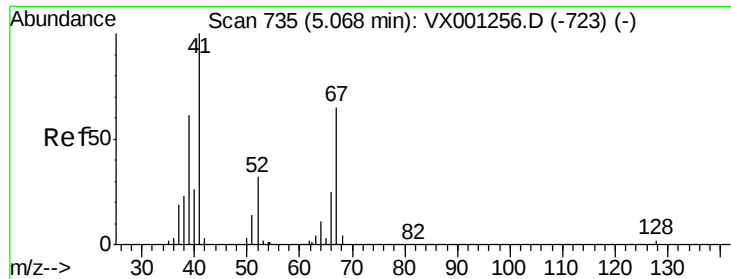
Tgt Ion: 117 Resp: 6491
Ion Ratio Lower Upper
117 100
119 96.8 73.5 110.3
121 30.8 24.6 37.0



#34
Benzene
Concen: 2.44 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 78 Resp: 20264
Ion Ratio Lower Upper
78 100
77 27.1 21.7 32.5
51 17.3 14.9 22.3

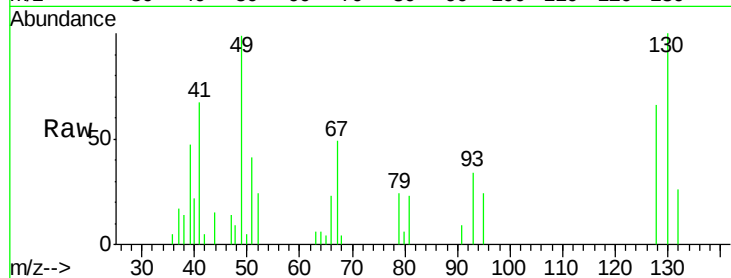




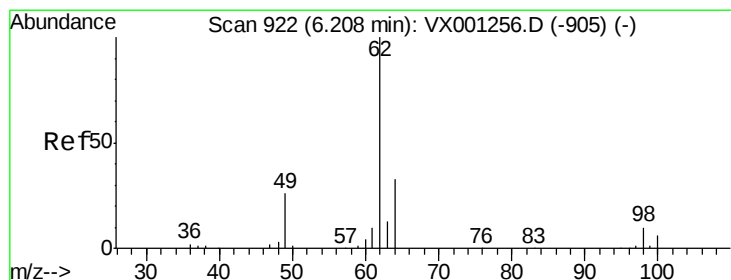
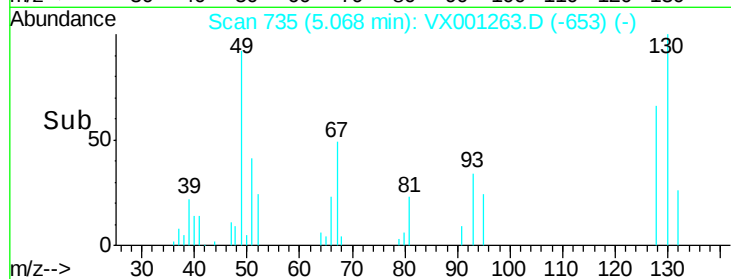
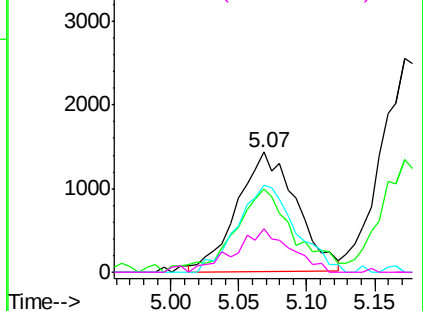
#35
Methacrylonitrile
Concen: 2.71 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

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

Tgt Ion:	41	Resp:	4317
Ion	Ratio	Lower	Upper
41	100		
39	66.4	29.8	89.3
67	76.5	28.7	86.3
52	37.7	14.0	41.9

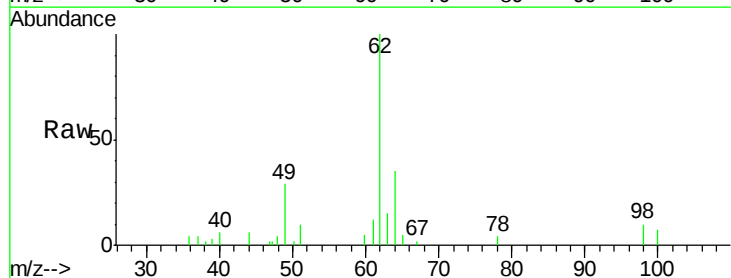


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

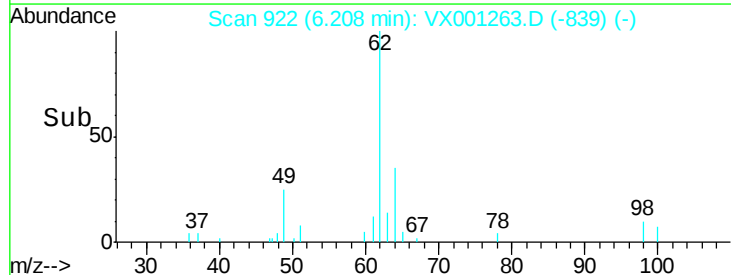
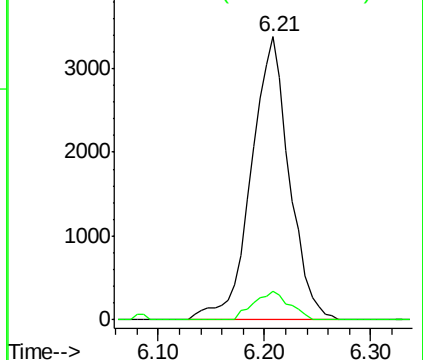


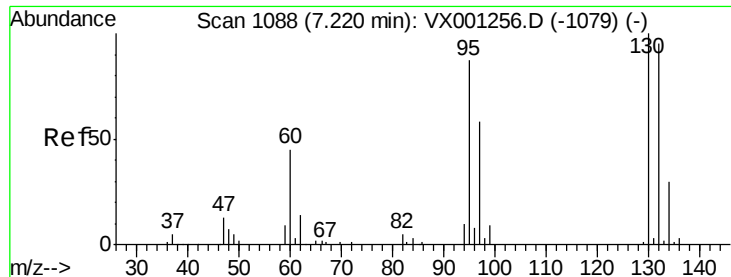
#36
1,2-Dichloroethane
Concen: 2.65 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:	62	Resp:	8453
Ion	Ratio	Lower	Upper
62	100		
98	9.6	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 2.47 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

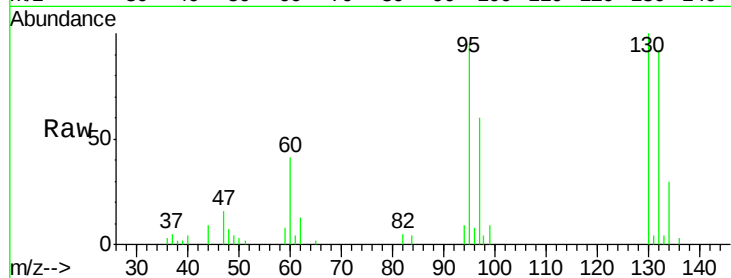
MDL-WATER-03-QT2-2018

Tgt Ion:130 Resp: 6214

Ion Ratio Lower Upper

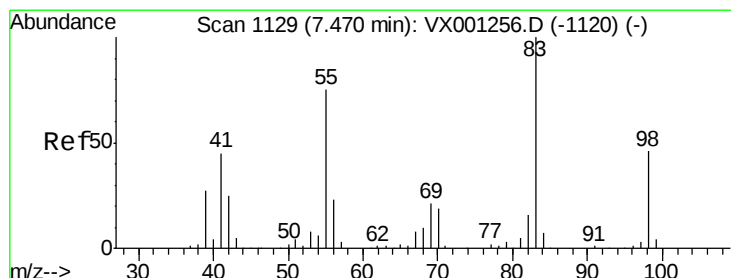
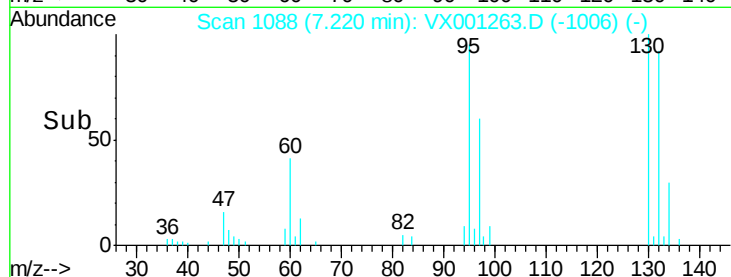
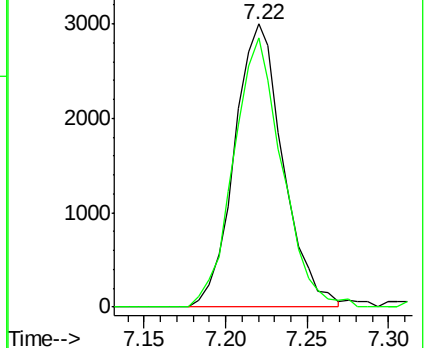
130 100

95 95.0 74.6 112.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 2.36 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

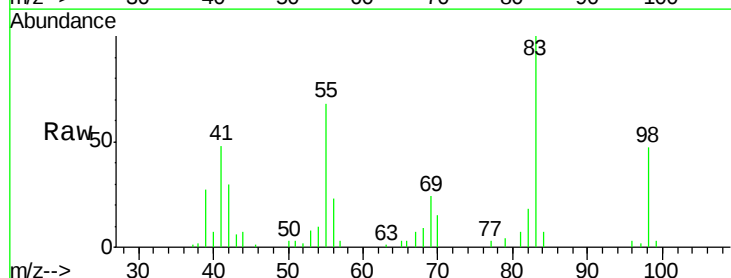
Tgt Ion: 83 Resp: 7803

Ion Ratio Lower Upper

83 100

55 78.6 35.9 107.7

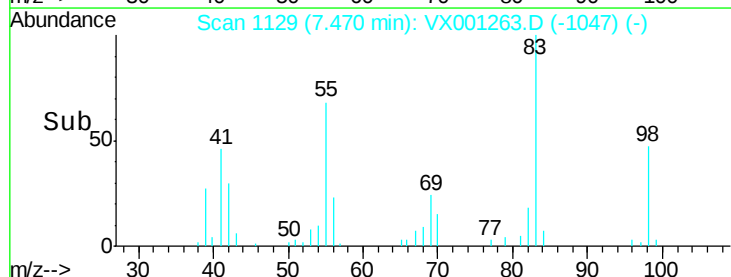
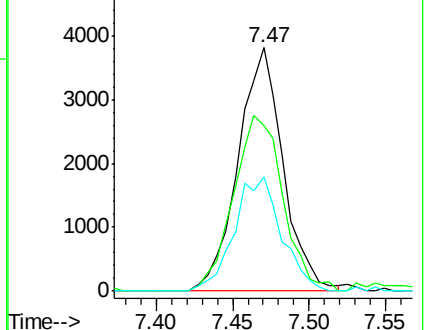
98 49.2 24.6 74.0

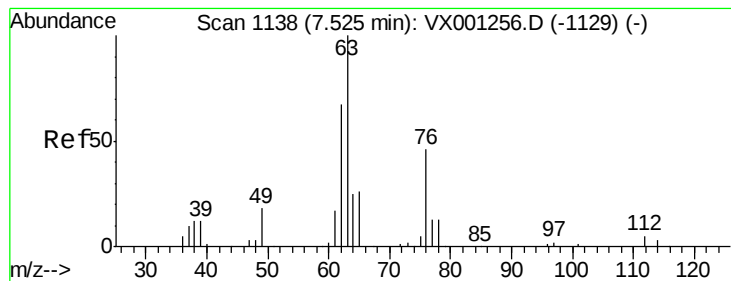


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 2.51 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

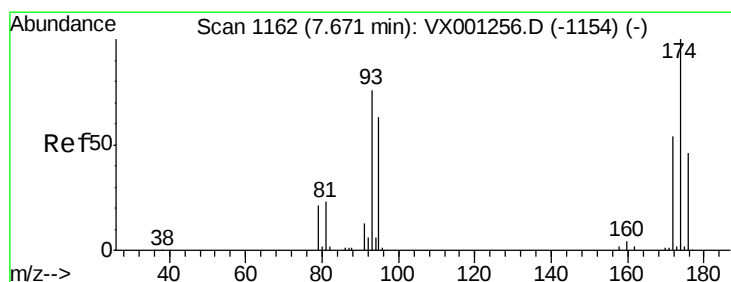
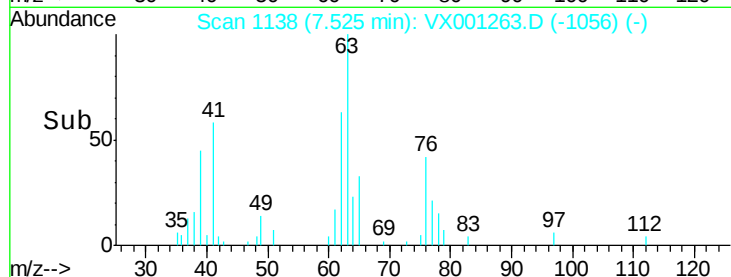
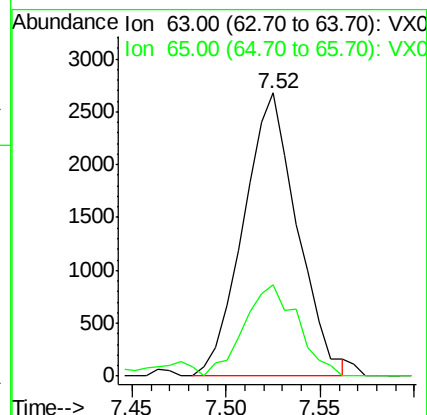
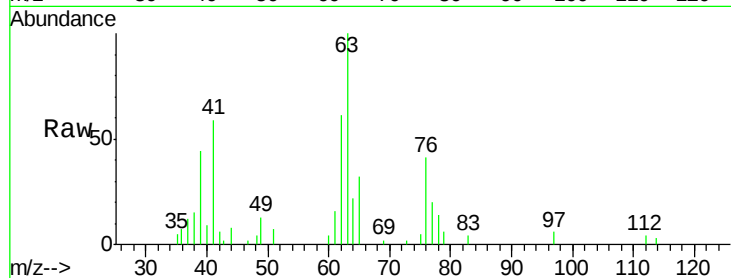
MDL-WATER-03-QT2-2018

Tgt Ion: 63 Resp: 5301

Ion Ratio Lower Upper

63 100

65 32.3 25.0 37.6



#40

Dibromomethane

Concen: 2.44 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

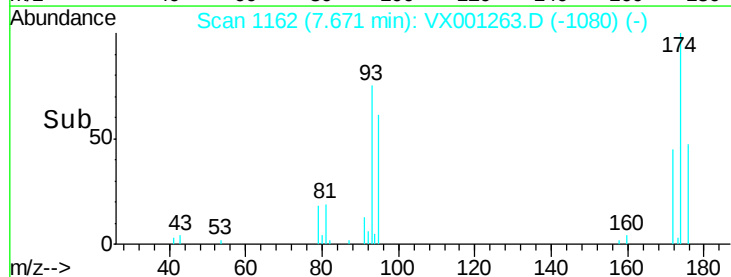
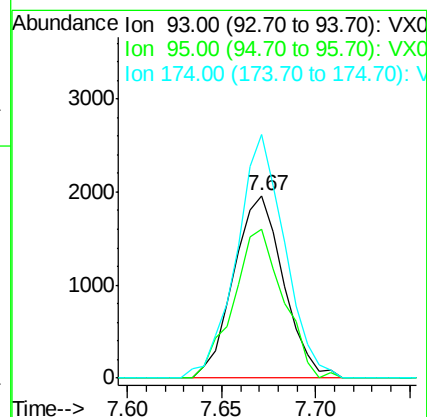
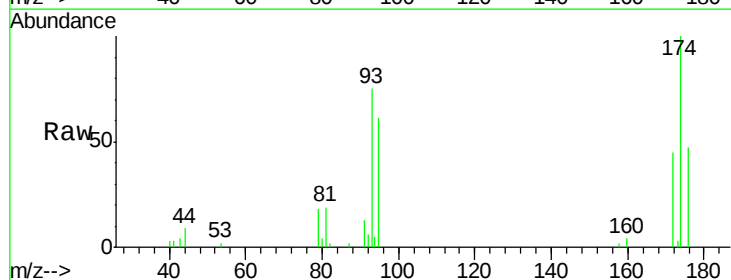
Tgt Ion: 93 Resp: 3612

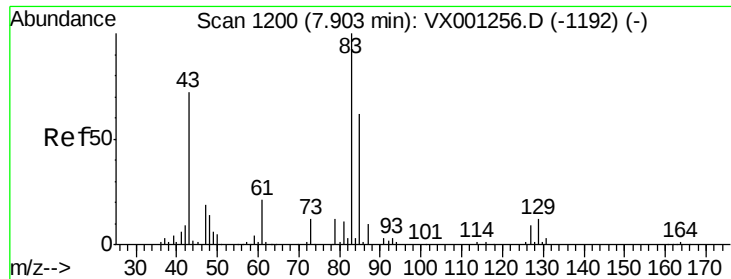
Ion Ratio Lower Upper

93 100

95 80.8 0.0 170.6

174 128.5 0.0 210.4





#41

Bromodichloromethane

Concen: 2.21 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

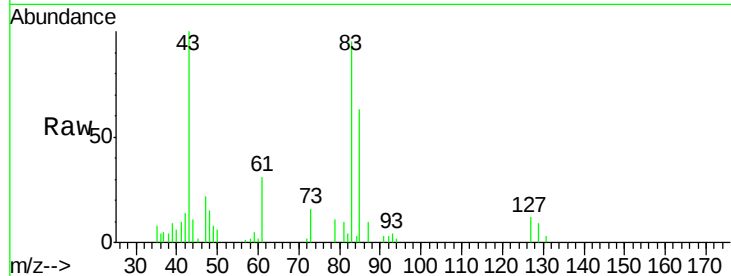
Tgt Ion: 83 Resp: 6196

Ion Ratio Lower Upper

83 100

85 66.0 50.0 75.0

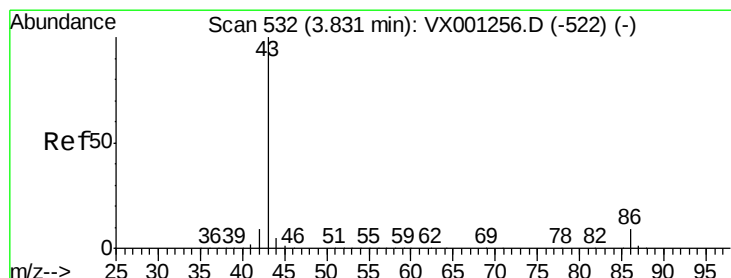
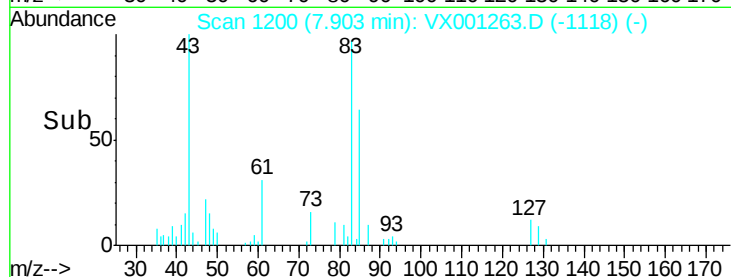
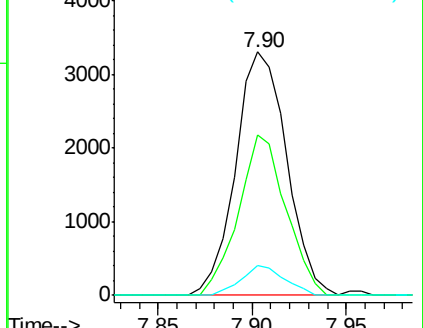
127 12.4 6.6 10.0#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 2.29 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001263.D

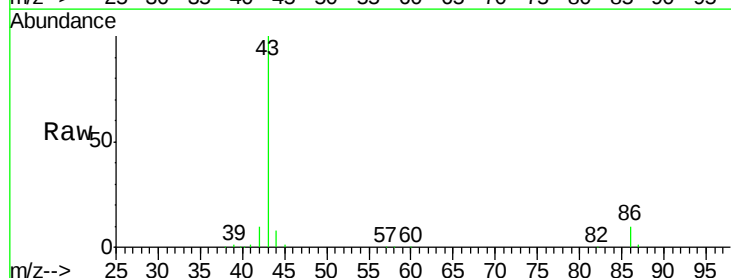
Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 64862

Ion Ratio Lower Upper

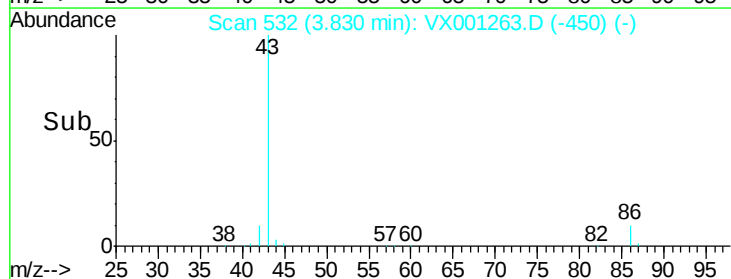
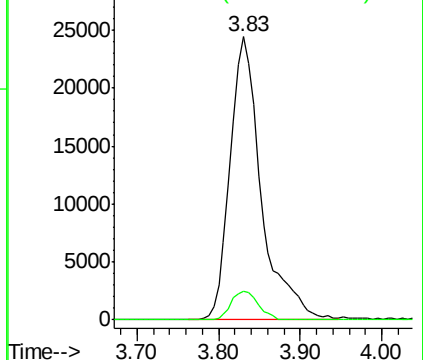
43 100

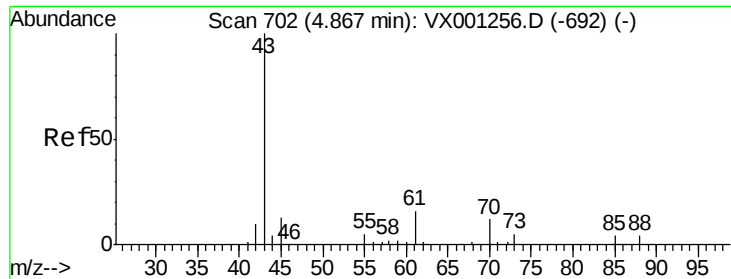
86 8.8 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 2.93 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

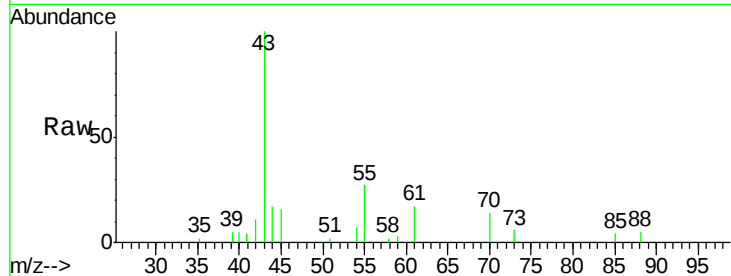
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 8122

Ion Ratio Lower Upper

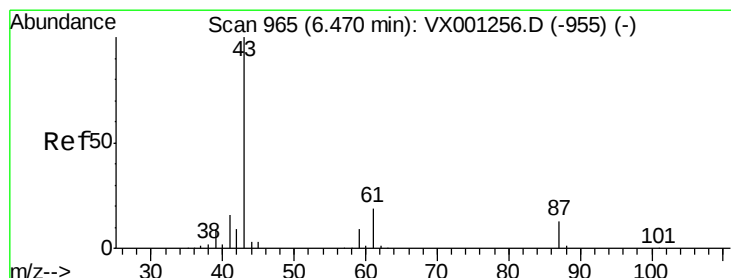
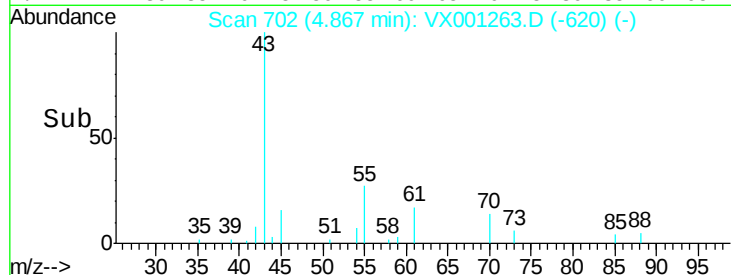
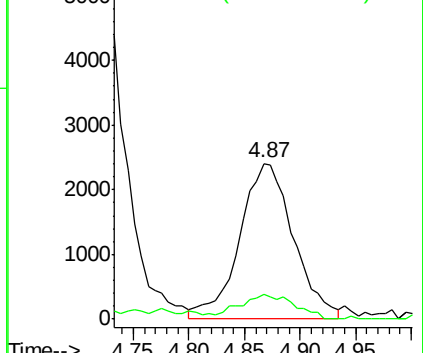
43 100

45 3.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 2.41 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001263.D

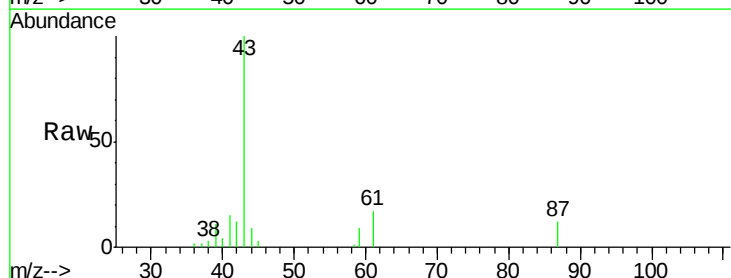
Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 11365

Ion Ratio Lower Upper

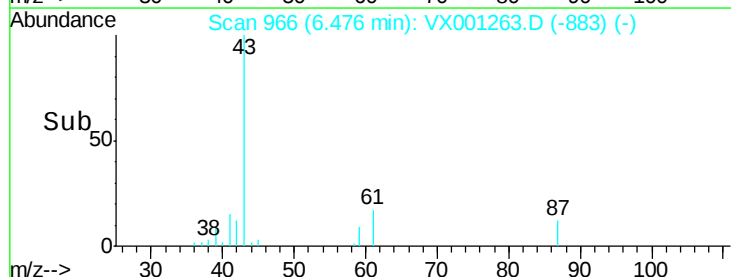
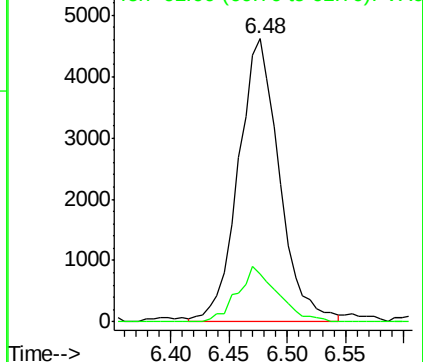
43 100

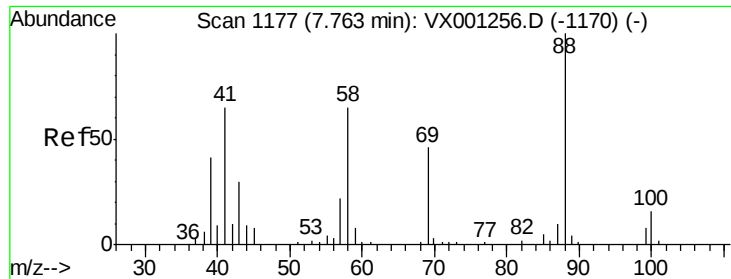
61 19.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

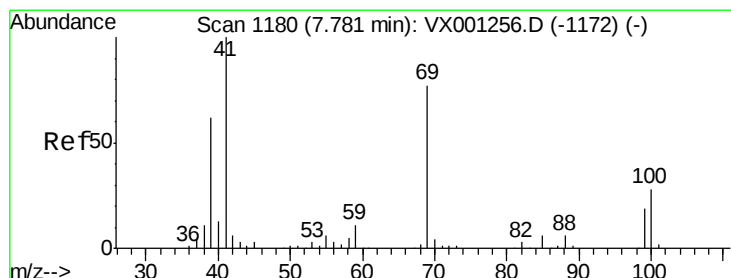
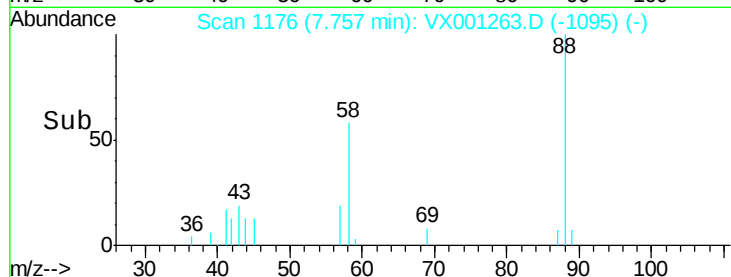
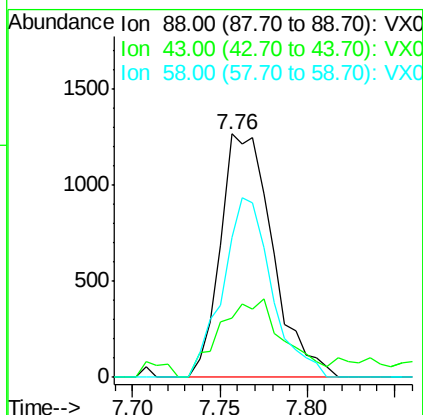
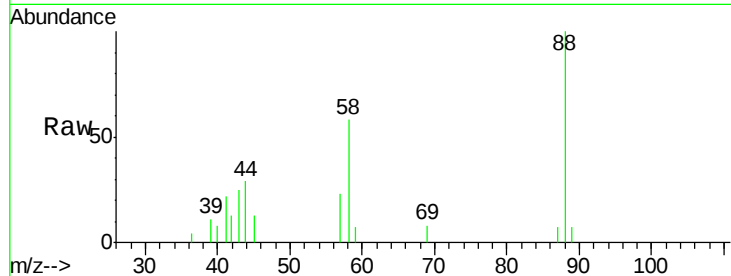




#45
 1,4-Dioxane
 Concen: 61.25 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

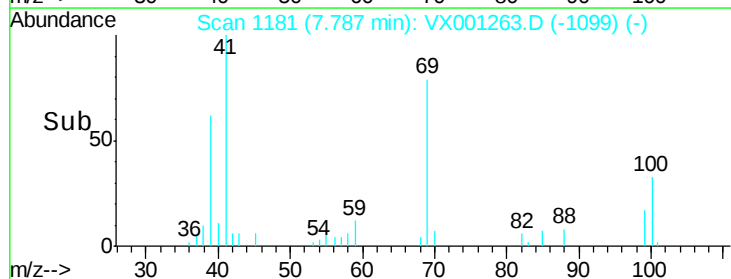
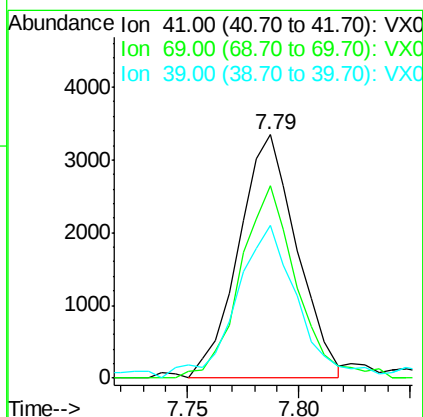
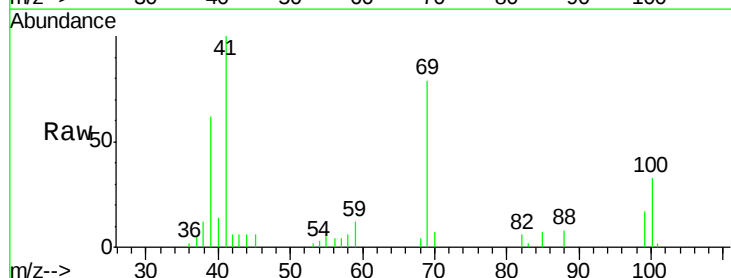
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

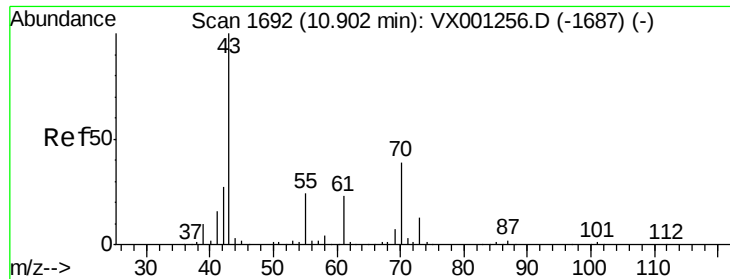
Tgt Ion: 88 Resp: 2623
 Ion Ratio Lower Upper
 88 100
 43 39.5 26.8 40.2
 58 69.0 52.1 78.1



#46
 Methyl methacrylate
 Concen: 2.48 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 41 Resp: 6089
 Ion Ratio Lower Upper
 41 100
 69 76.3 45.5 136.5
 39 57.6 32.5 97.5





#47

n-amyl Acetate

Concen: 1.84 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

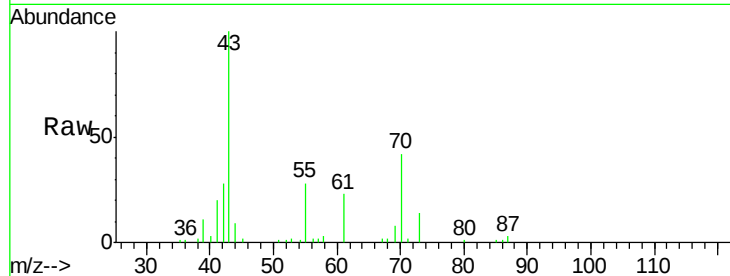
MDL-WATER-03-QT2-2018

Tgt Ion: 43 Resp: 8303

Ion Ratio Lower Upper

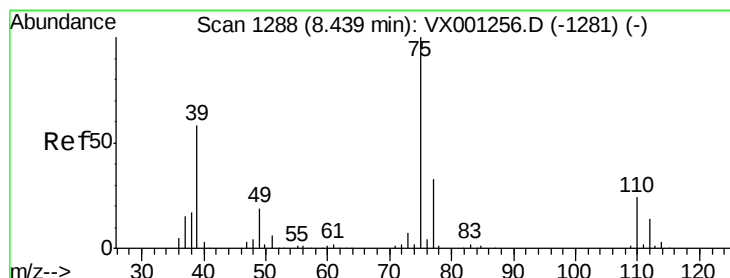
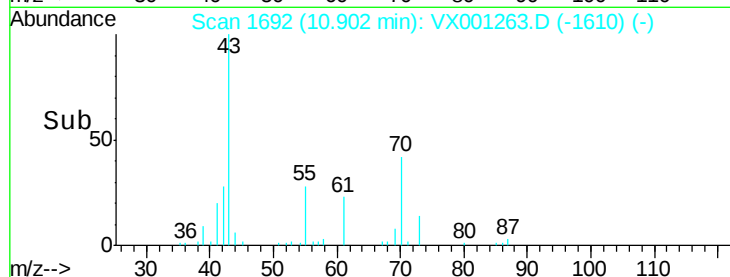
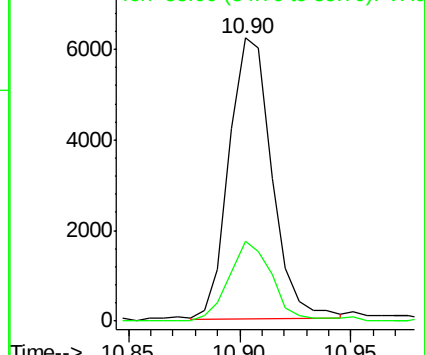
43 100

55 28.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 1.91 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001263.D

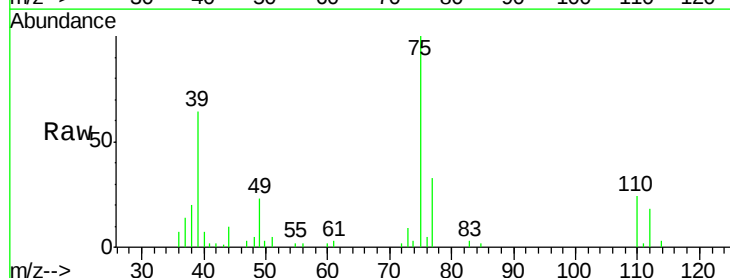
Acq: 30 Apr 2018 19:39

Tgt Ion: 75 Resp: 6309

Ion Ratio Lower Upper

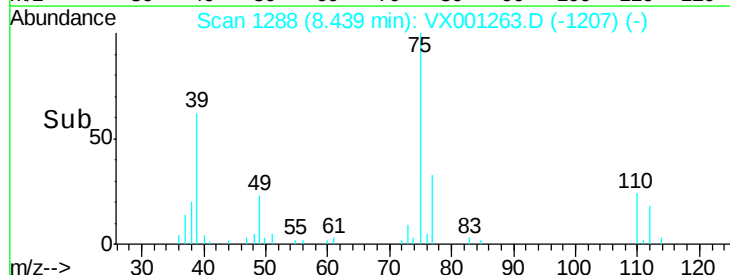
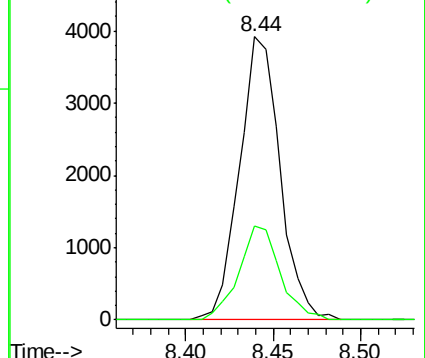
75 100

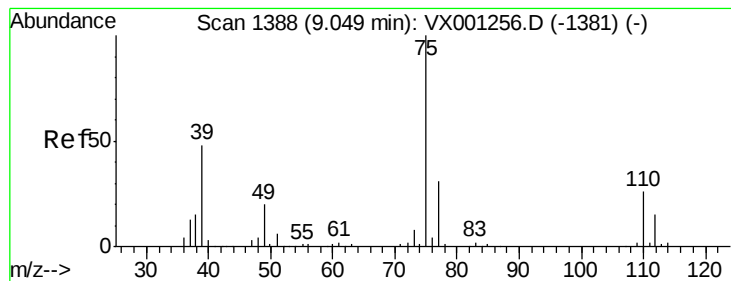
77 33.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



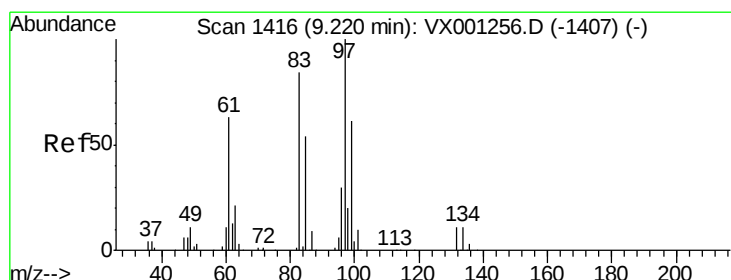
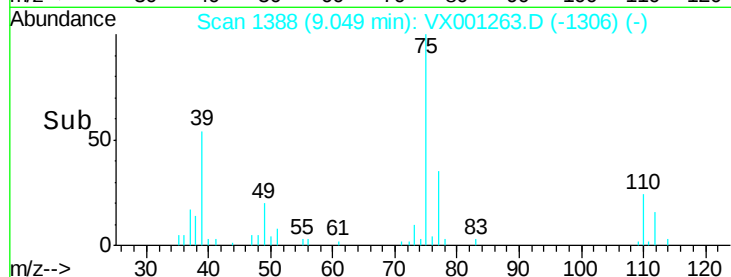
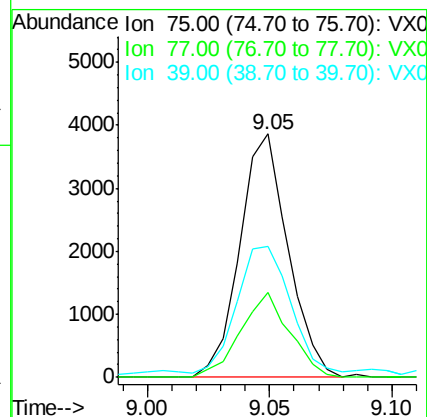
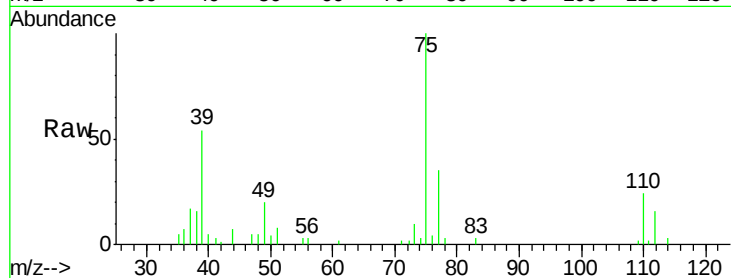


#49

cis-1,3-Dichloropropene
 Concen: 1.68 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

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

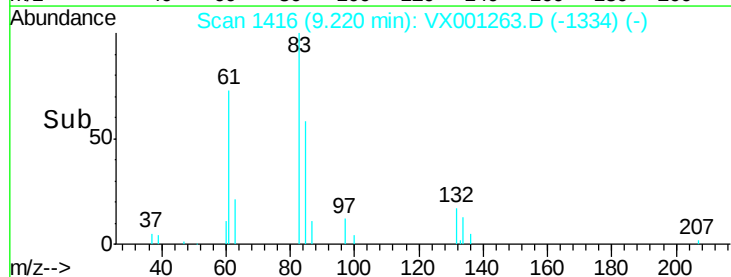
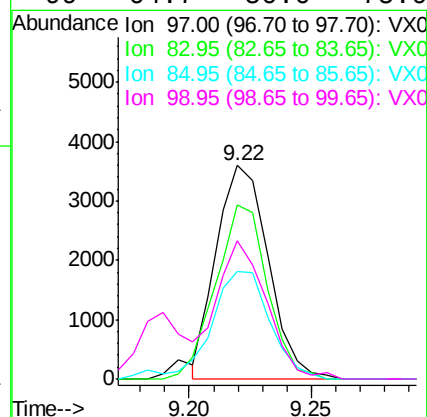
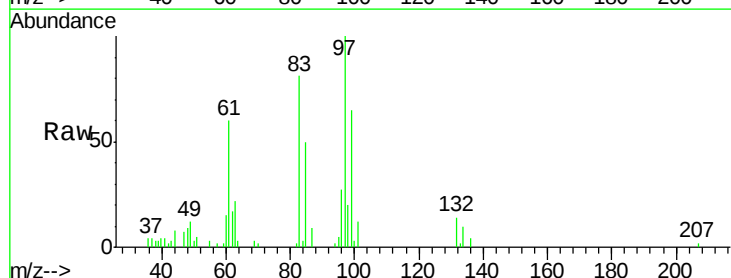
Tgt Ion: 75 Resp: 5296
 Ion Ratio Lower Upper
 75 100
 77 34.7 24.5 36.7
 39 52.1 35.6 53.4

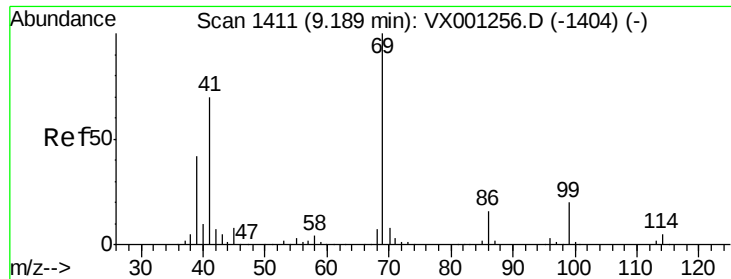


#50

1,1,2-Trichloroethane
 Concen: 2.42 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 97 Resp: 5329
 Ion Ratio Lower Upper
 97 100
 83 81.4 66.9 100.3
 85 50.1 44.4 66.6
 99 64.7 50.0 75.0





#51

Ethyl methacrylate

Concen: 2.17 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

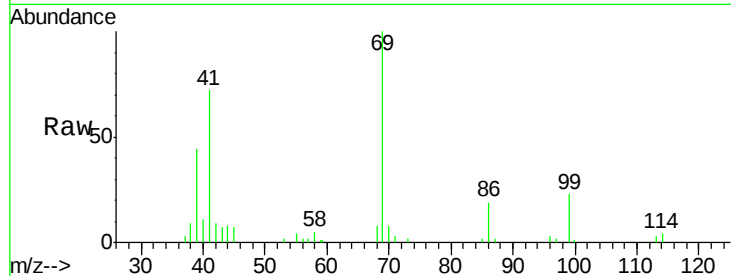
Tgt Ion: 69 Resp: 6819

Ion Ratio Lower Upper

69 100

41 70.7 32.1 96.3

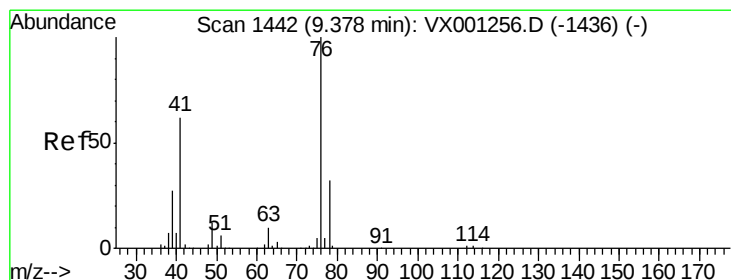
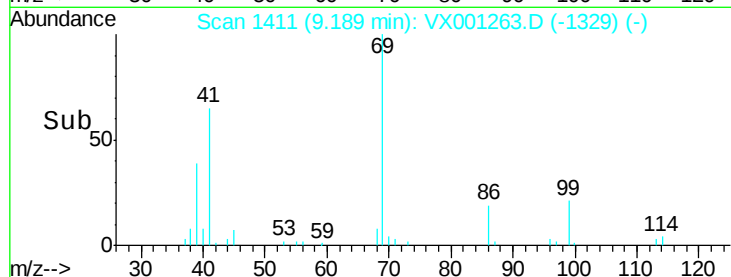
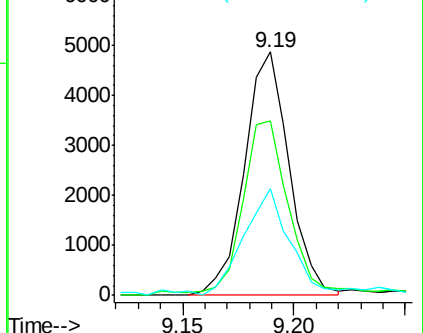
39 42.0 19.6 58.7



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



#52

1,3-Dichloropropane

Concen: 2.45 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001263.D

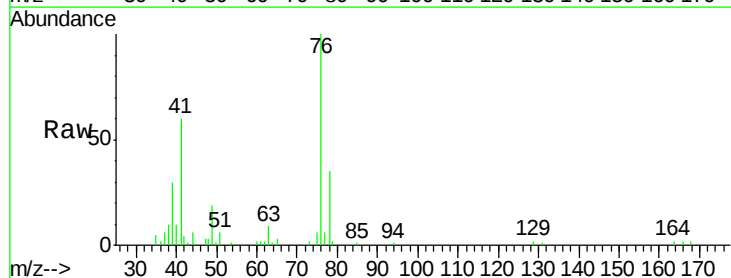
Acq: 30 Apr 2018 19:39

Tgt Ion: 76 Resp: 8726

Ion Ratio Lower Upper

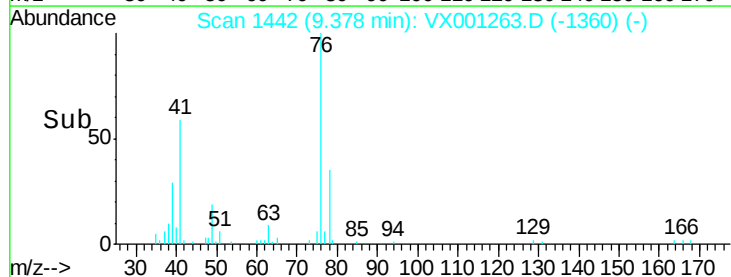
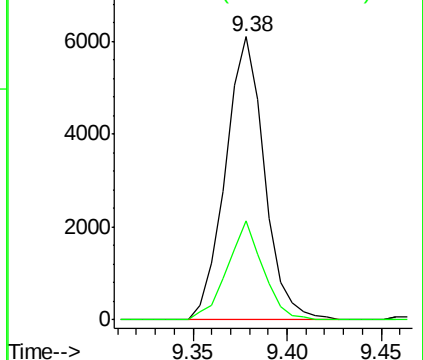
76 100

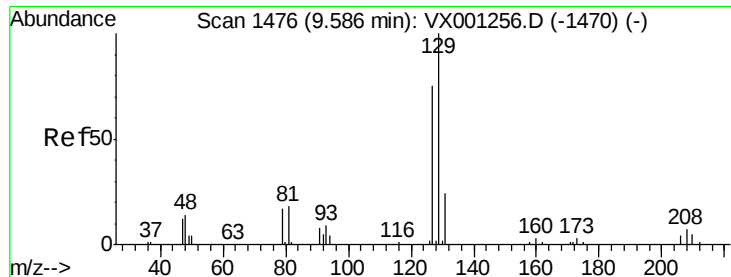
78 32.3 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

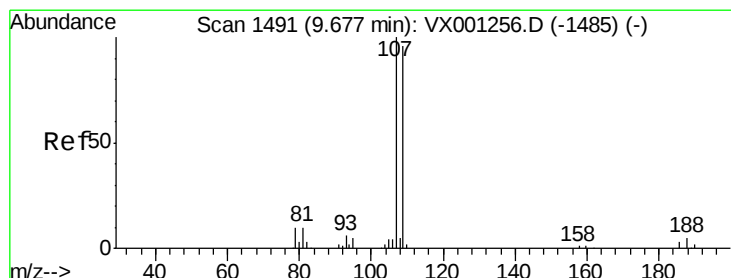
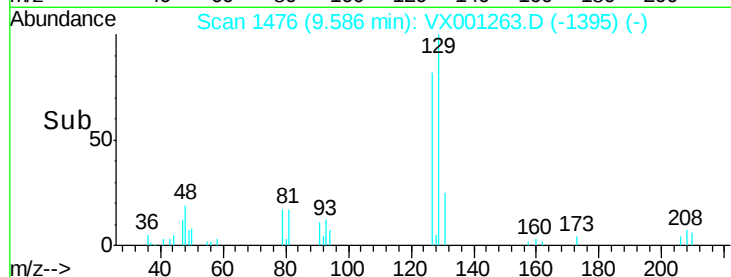
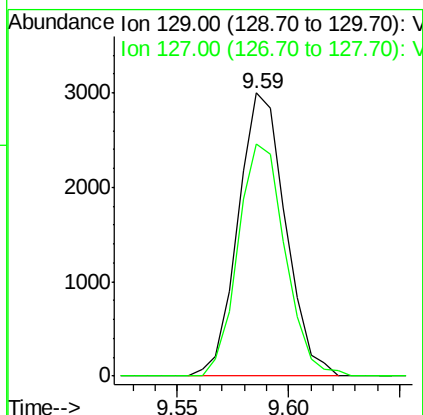
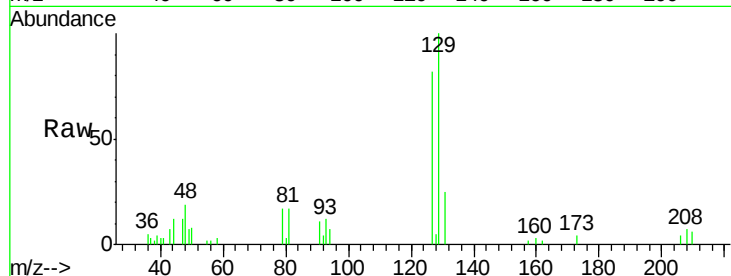




#53
 Dibromochloromethane
 Concen: 1.83 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

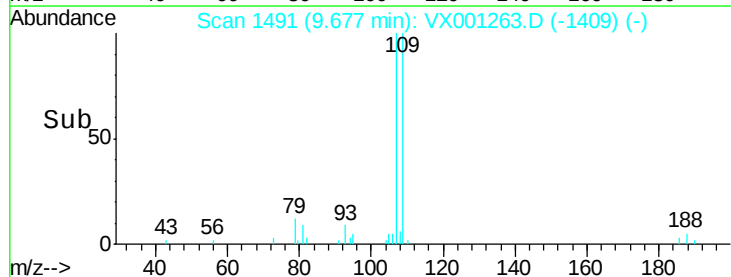
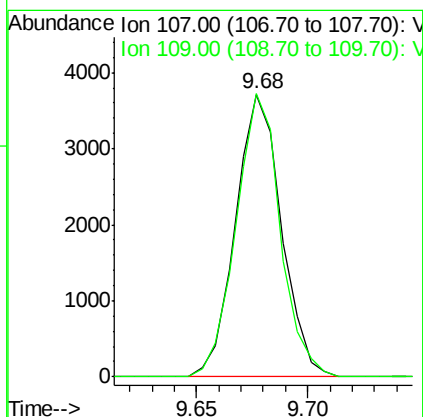
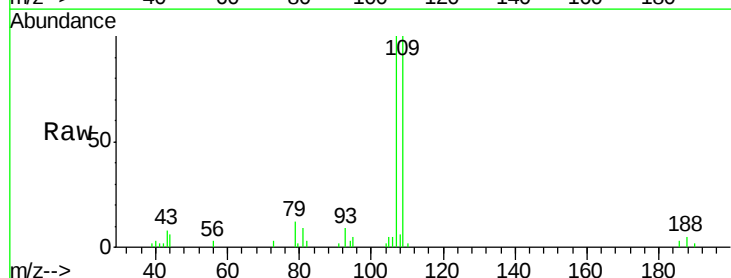
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

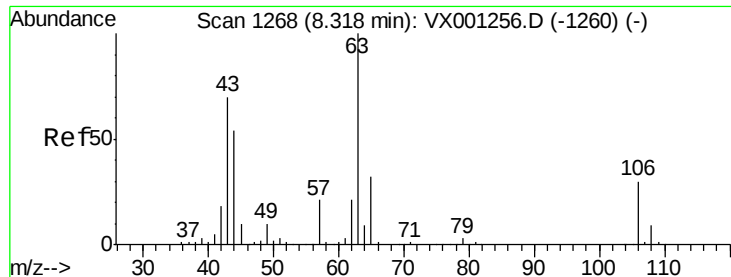
Tgt Ion:129 Resp: 4445
 Ion Ratio Lower Upper
 129 100
 127 81.6 37.5 112.5



#54
 1,2-Dibromoethane
 Concen: 2.26 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion:107 Resp: 5336
 Ion Ratio Lower Upper
 107 100
 109 96.7 74.5 111.7

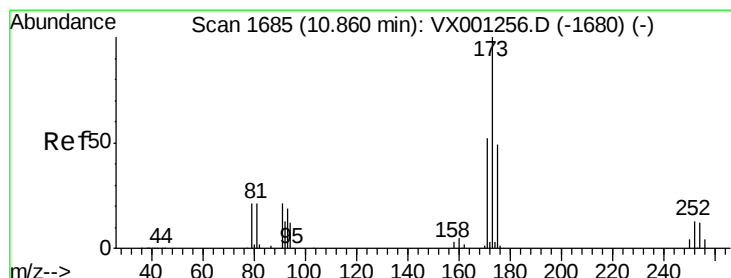
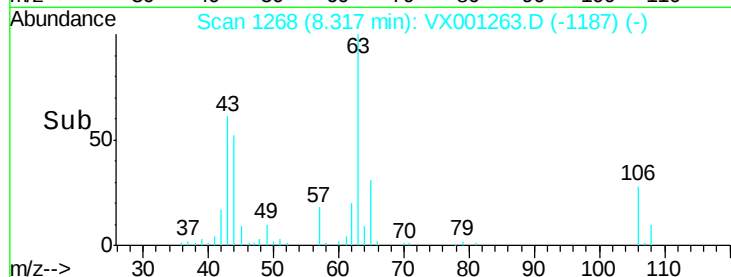
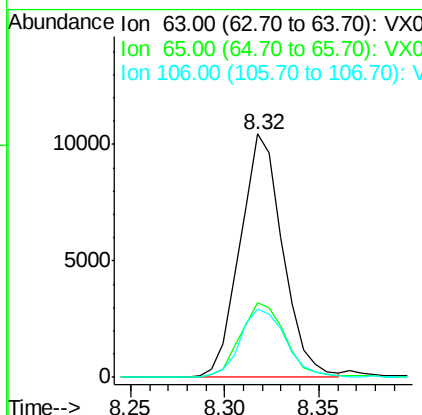
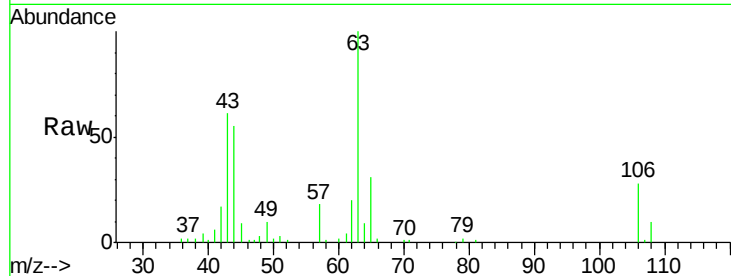




#55
 2-Chloroethyl vinyl ether
 Concen: 10.69 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

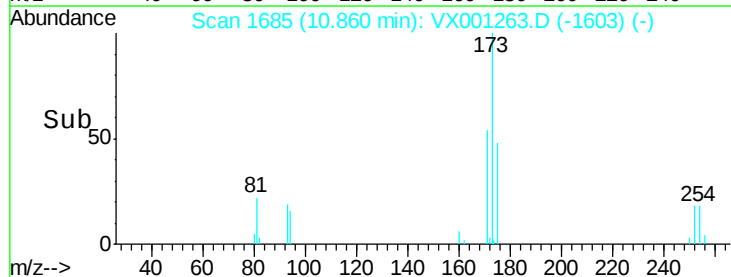
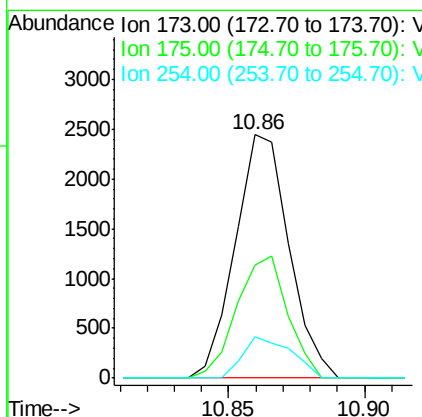
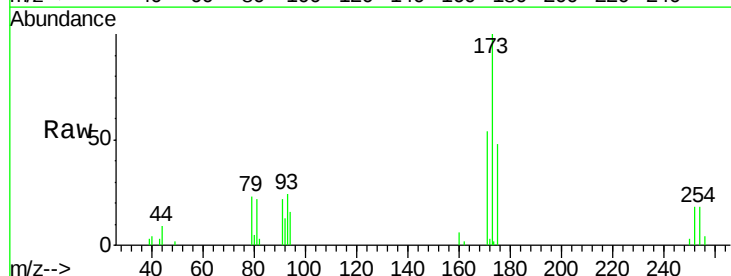
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

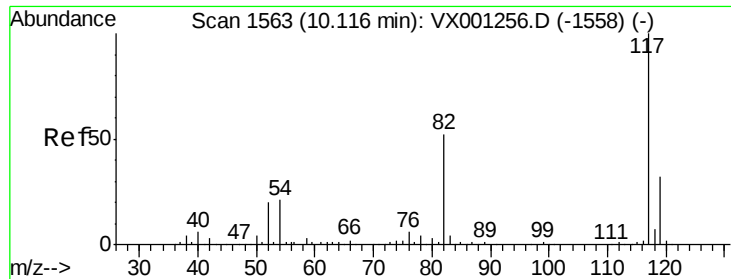
Tgt Ion: 63 Resp: 16442
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.8 38.8
 106 29.9 23.8 35.6



#56
 Bromoform
 Concen: 1.69 ug/l
 RT: 10.86 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 173 Resp: 3357
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.0 58.4
 254 15.2 7.0 10.4#

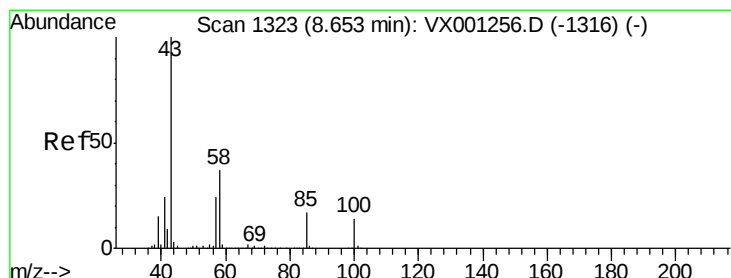
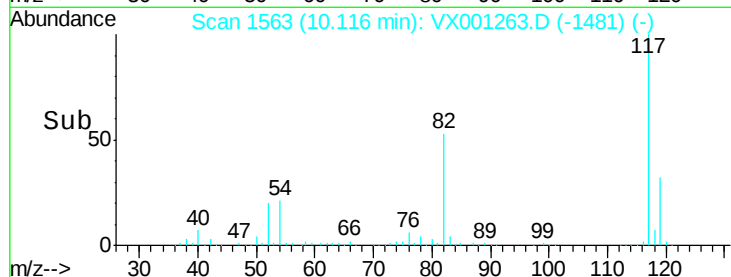
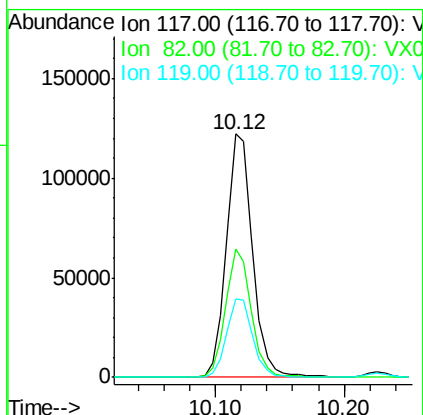
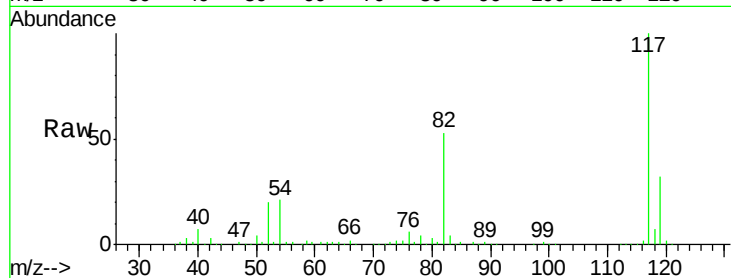




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

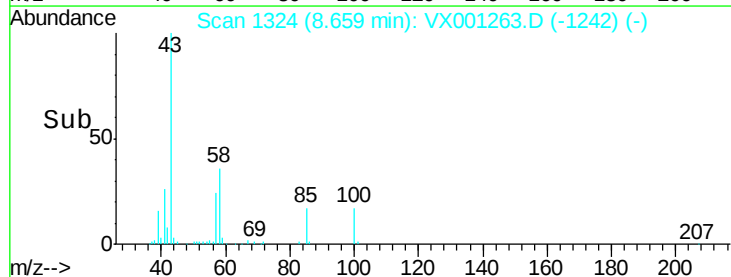
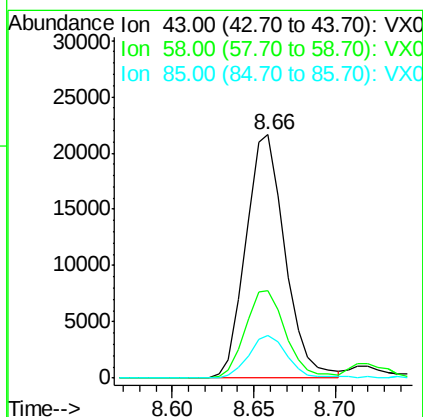
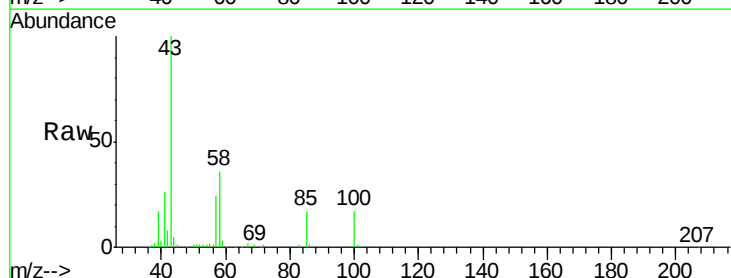
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

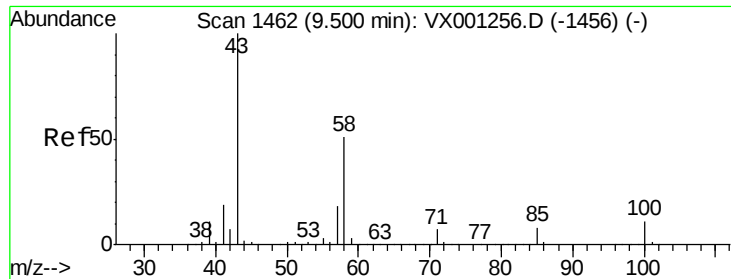
Tgt Ion: 117 Resp: 175434
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 32.2 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 2.50 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 43 Resp: 36415
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8
85 17.4 14.9 22.3

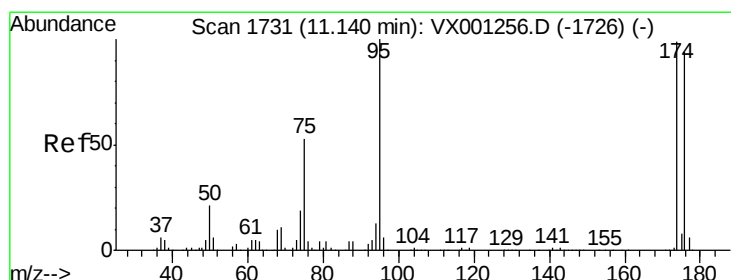
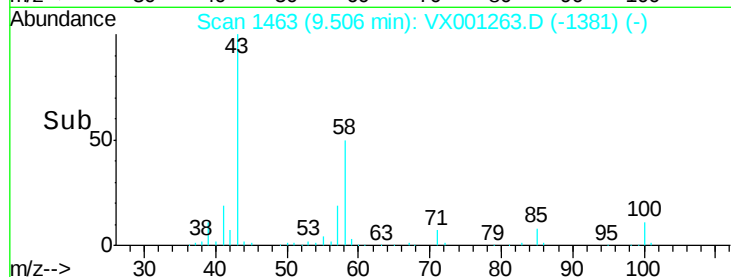
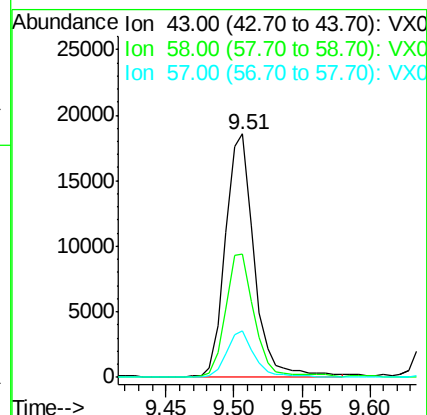
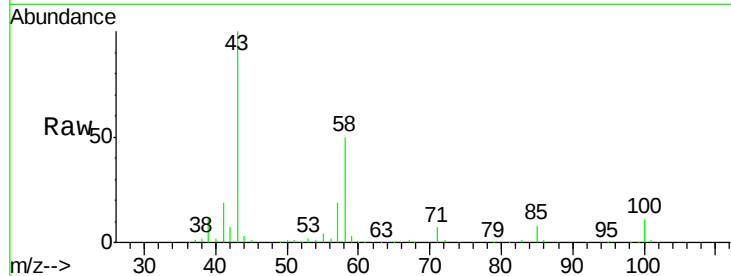




#59
2-Hexanone
Concen: 2.40 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

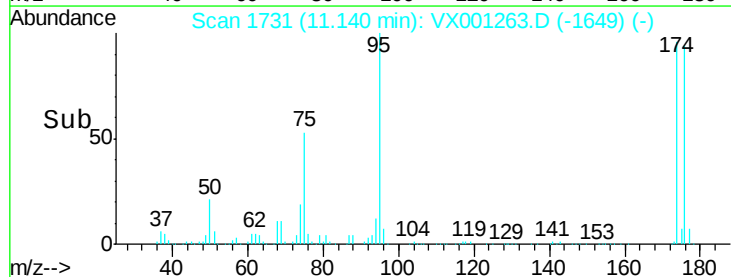
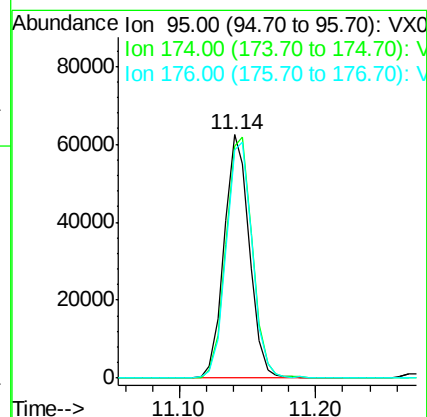
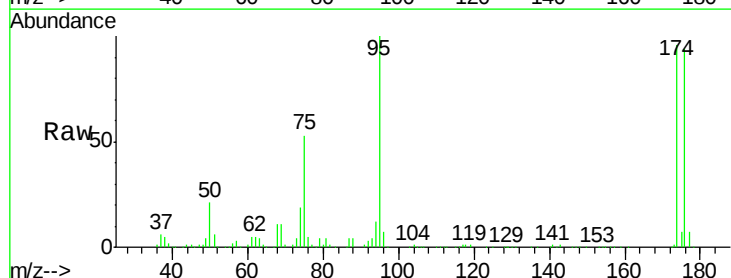
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

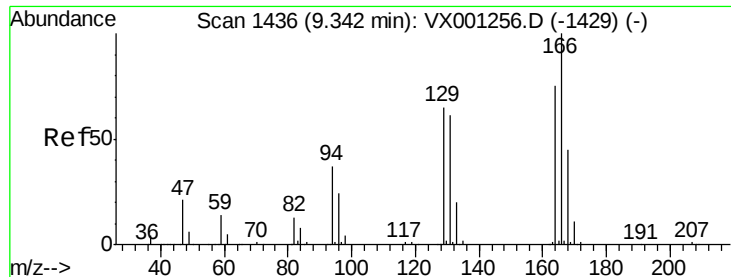
Tgt Ion: 43 Resp: 27202
Ion Ratio Lower Upper
43 100
58 50.1 43.0 64.6
57 18.2 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 27.22 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 95 Resp: 80017
Ion Ratio Lower Upper
95 100
174 103.6 71.1 106.7
176 99.9 69.3 103.9





#61

Tetrachloroethene

Concen: 2.60 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion:164 Resp: 6983

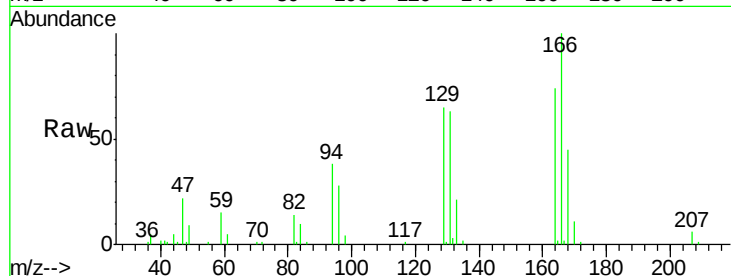
Ion Ratio Lower Upper

164 100

166 134.7 99.0 148.4

129 86.1 77.0 115.6

131 83.6 75.8 113.6

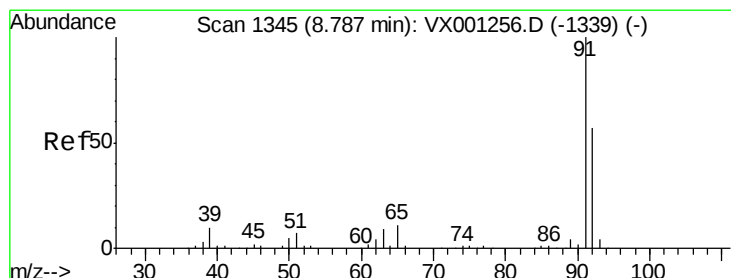
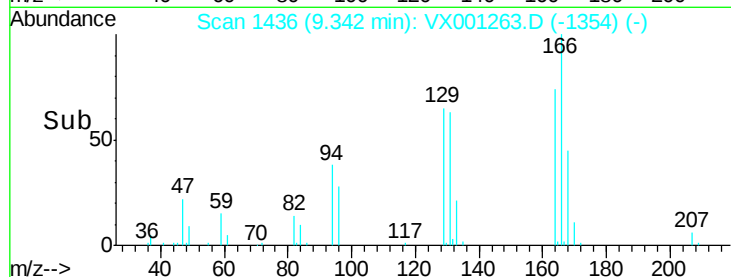
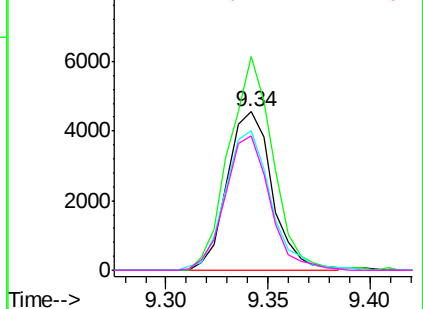


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.46 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001263.D

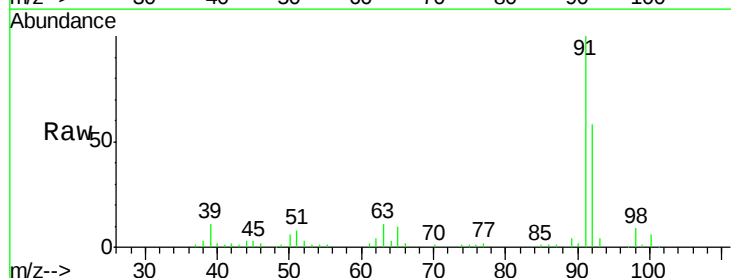
Acq: 30 Apr 2018 19:39

Tgt Ion: 91 Resp: 23198

Ion Ratio Lower Upper

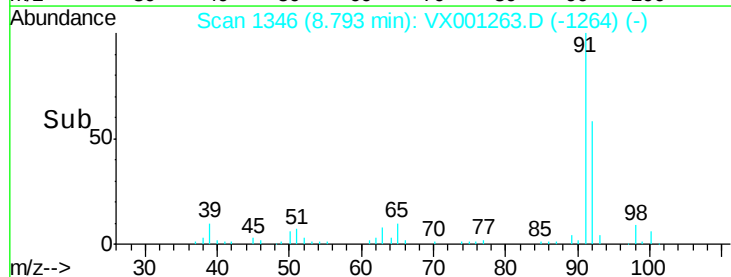
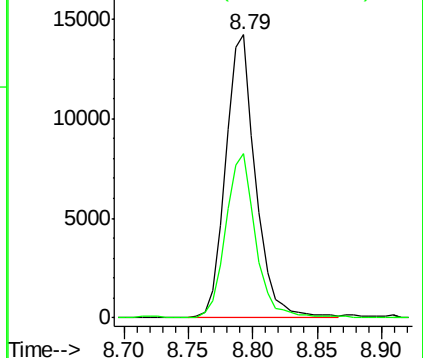
91 100

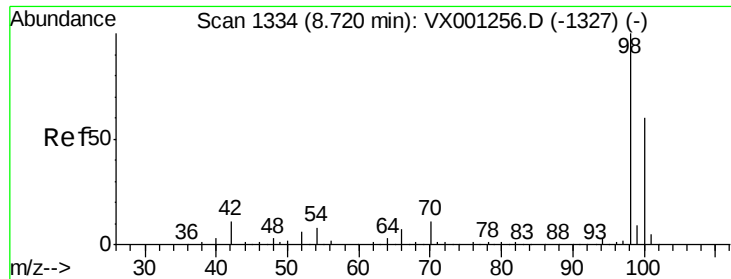
92 58.0 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.39 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

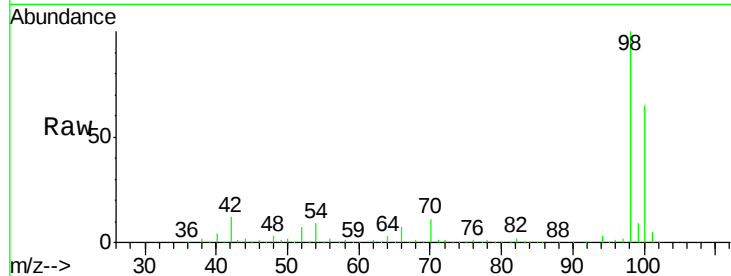
MDL-WATER-03-QT2-2018

Tgt Ion: 98 Resp: 228629

Ion Ratio Lower Upper

98 100

100 63.3 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX001256.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX001256.D (-1327) (-)

8.72

150000

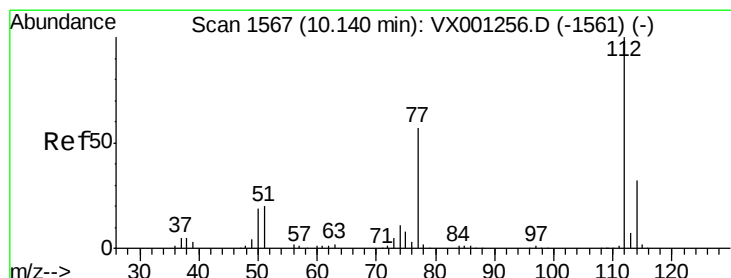
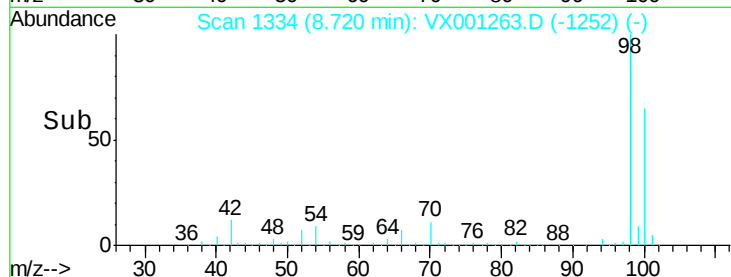
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#64

Chlorobenzene

Concen: 2.37 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001263.D

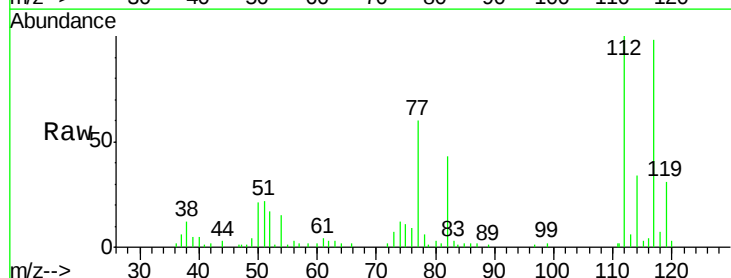
Acq: 30 Apr 2018 19:39

Tgt Ion: 112 Resp: 15104

Ion Ratio Lower Upper

112 100

114 34.1 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): VX001256.D (-1561) (-)

Ion 114.00 (113.70 to 114.70): VX001256.D (-1561) (-)

10.14

12000

10000

8000

6000

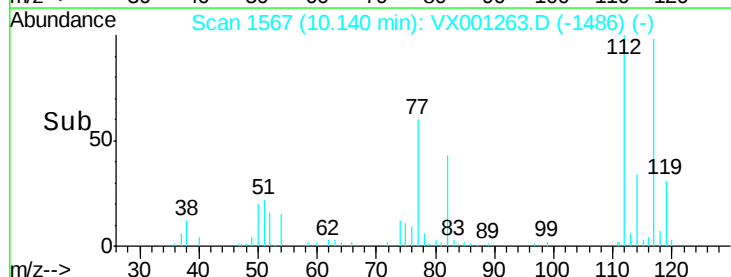
4000

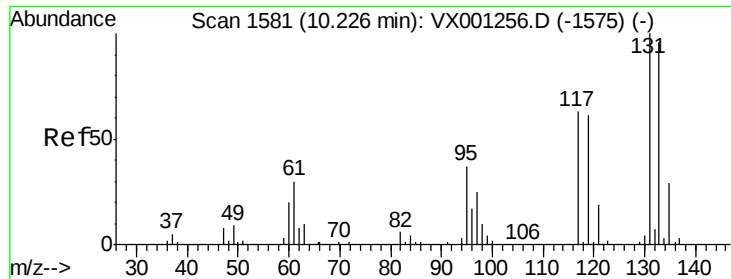
2000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.07 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

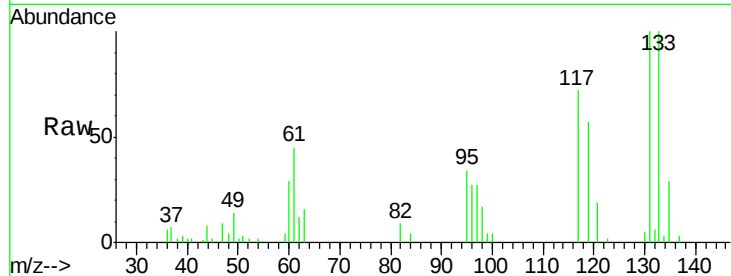
Tgt Ion:131 Resp: 4815

Ion Ratio Lower Upper

131 100

133 94.9 0.0 187.6

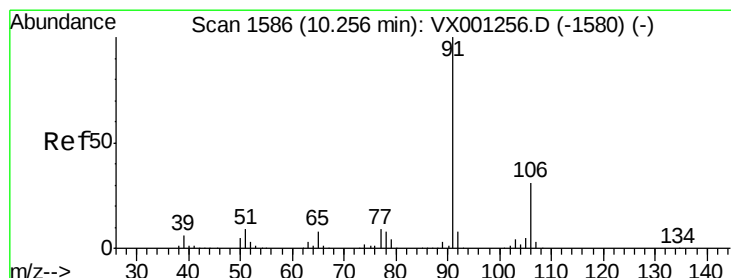
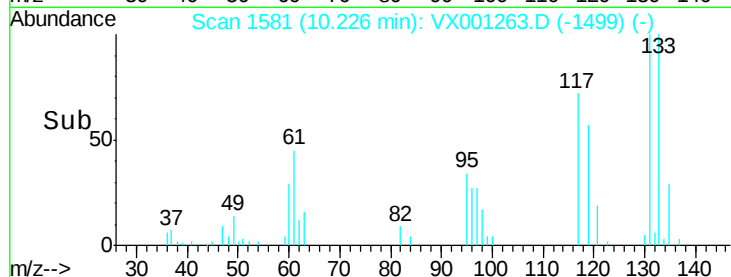
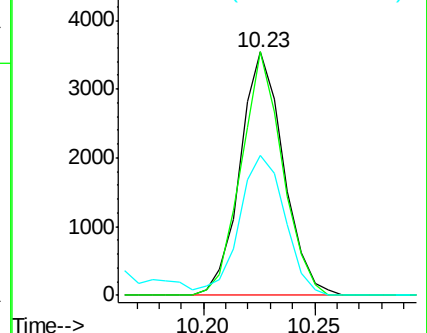
119 60.5 0.0 134.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.32 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001263.D

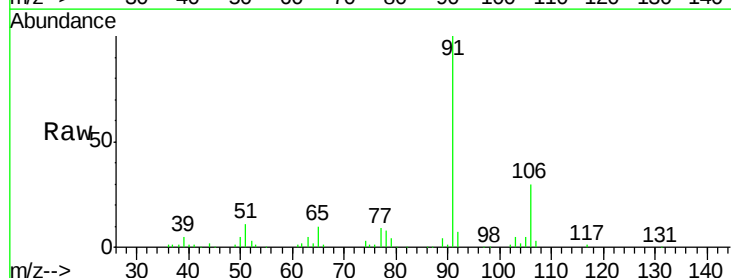
Acq: 30 Apr 2018 19:39

Tgt Ion: 91 Resp: 24377

Ion Ratio Lower Upper

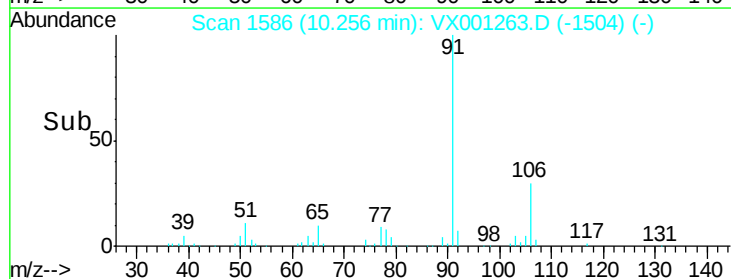
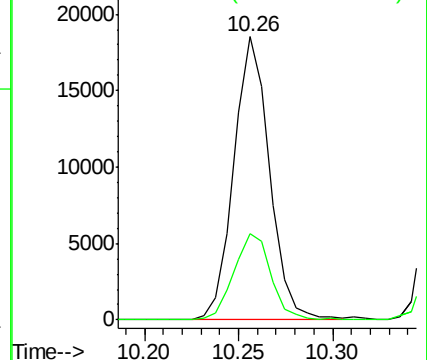
91 100

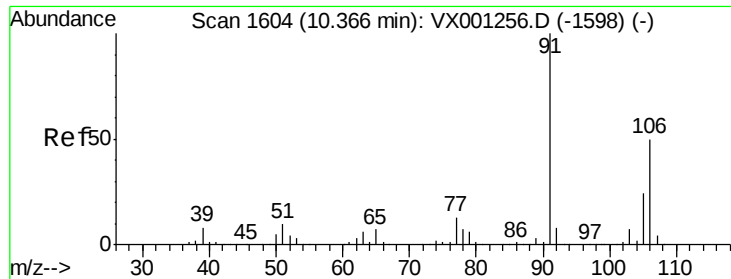
106 30.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

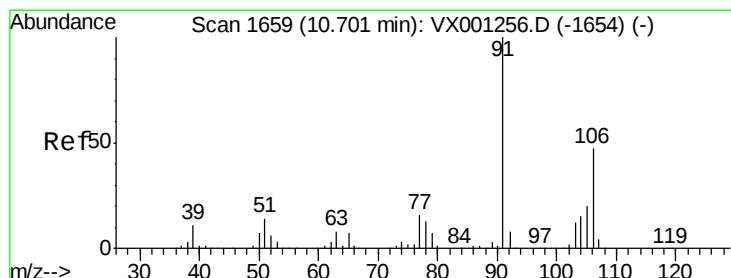
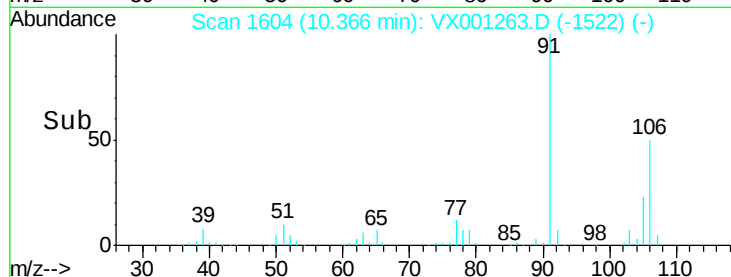
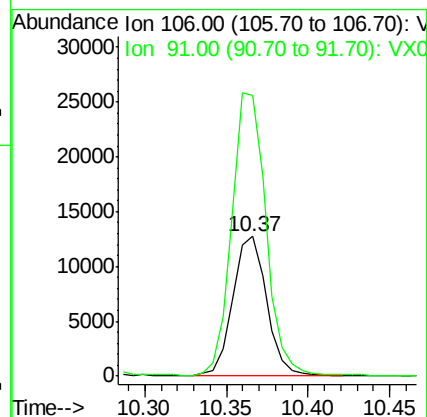
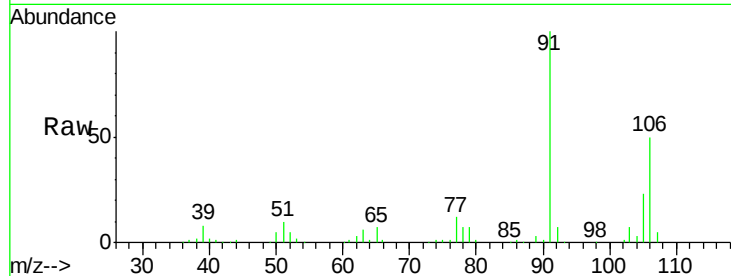




#67
m/p-Xylenes
Concen: 2.22 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

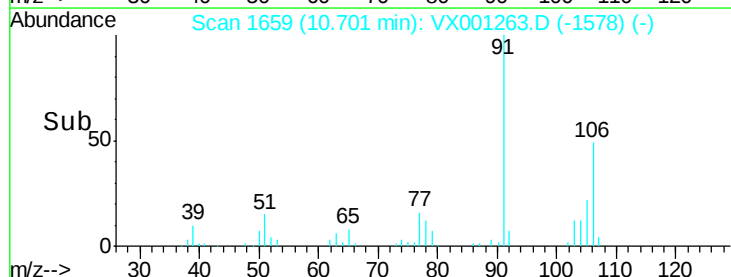
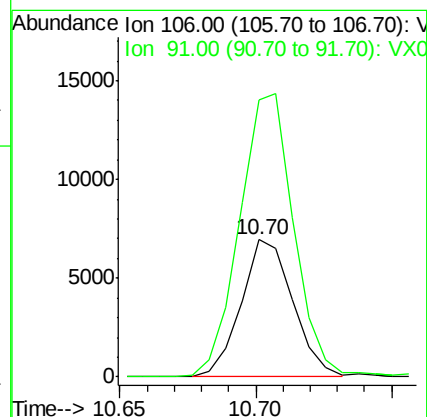
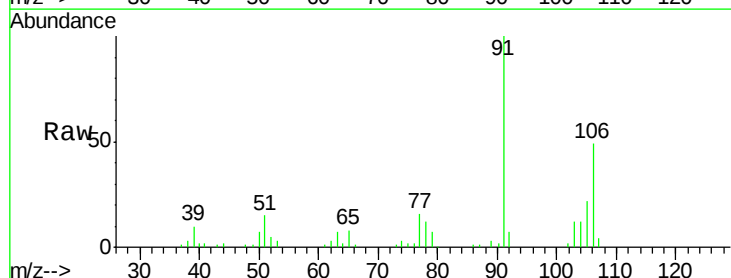
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

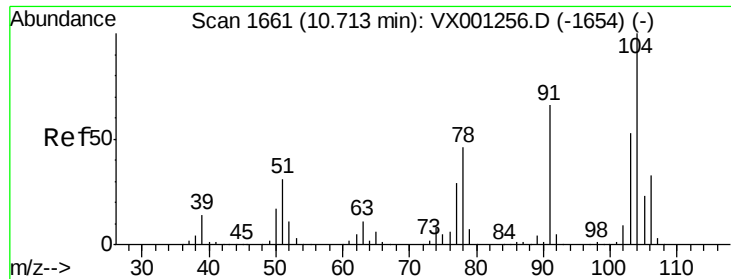
Tgt Ion:106 Resp: 18546
Ion Ratio Lower Upper
106 100
91 204.0 161.6 242.4



#68
o-Xylene
Concen: 2.27 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:106 Resp: 9189
Ion Ratio Lower Upper
106 100
91 216.3 105.6 316.8

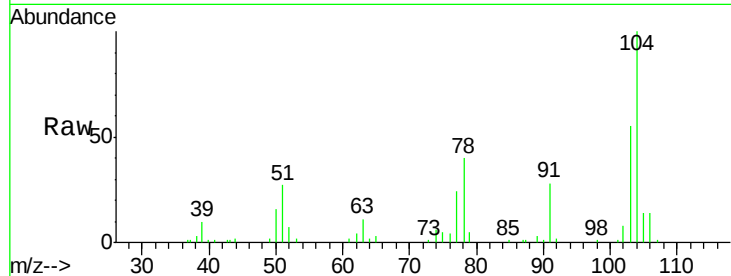




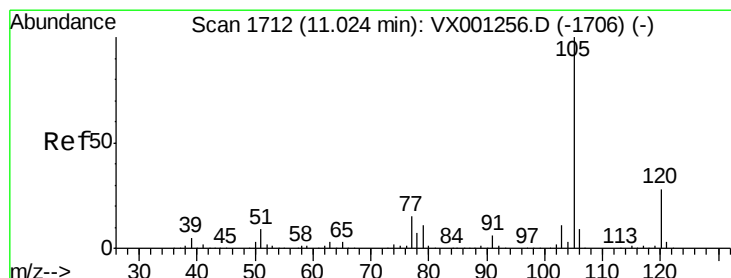
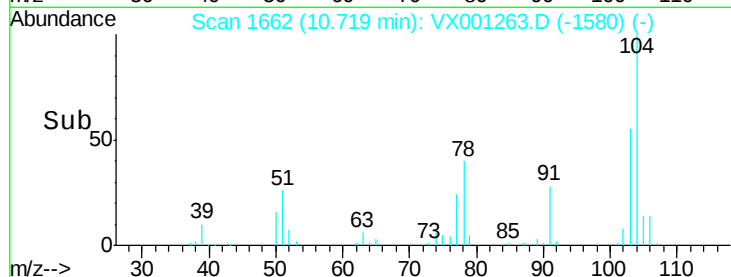
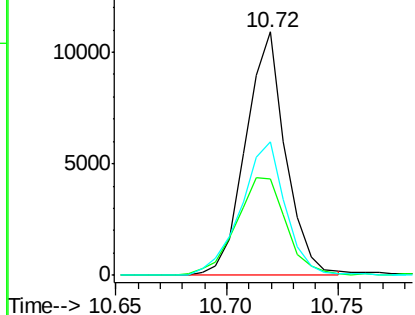
#69
Styrene
Concen: 2.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

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

Tgt Ion:104 Resp: 13644
Ion Ratio Lower Upper
104 100
78 50.2 39.0 58.4
103 61.2 44.7 67.1

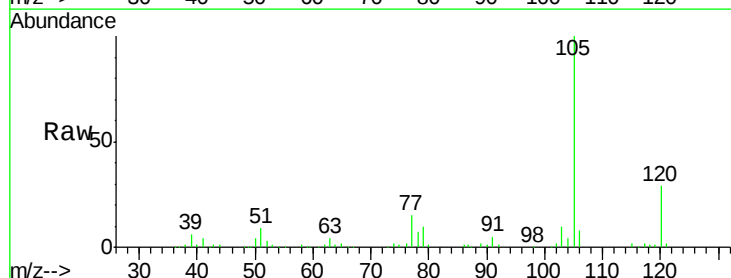


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

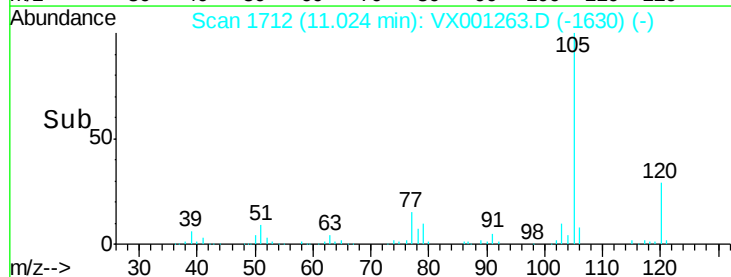
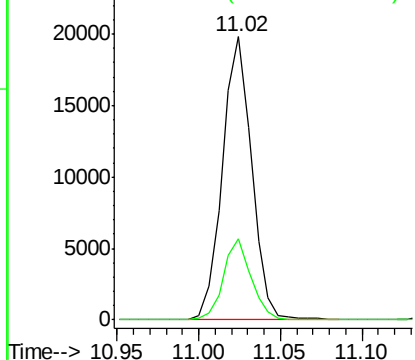


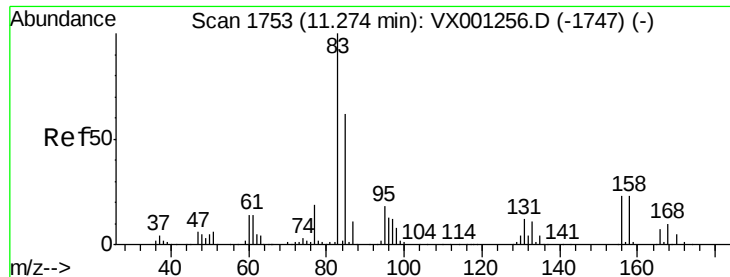
#70
Isopropylbenzene
Concen: 2.25 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:105 Resp: 24728
Ion Ratio Lower Upper
105 100
120 27.0 18.8 35.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

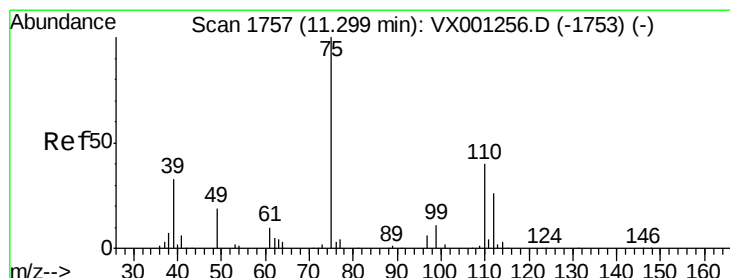
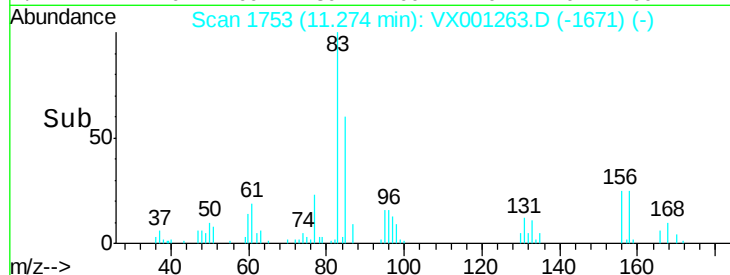
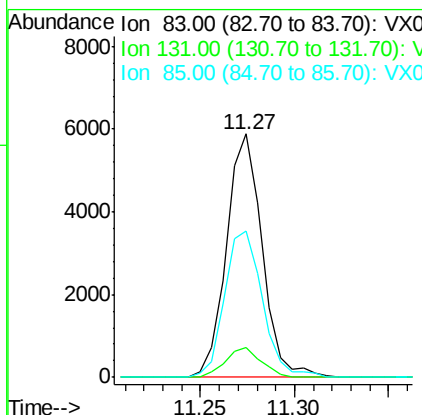
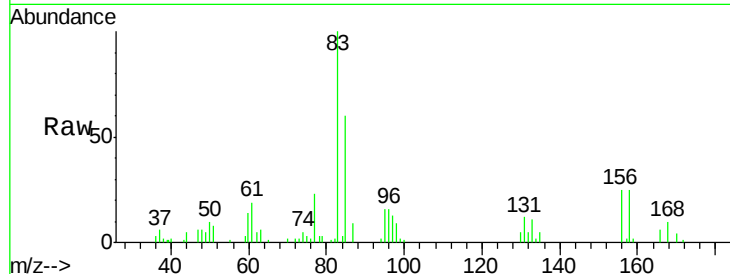




#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.40 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

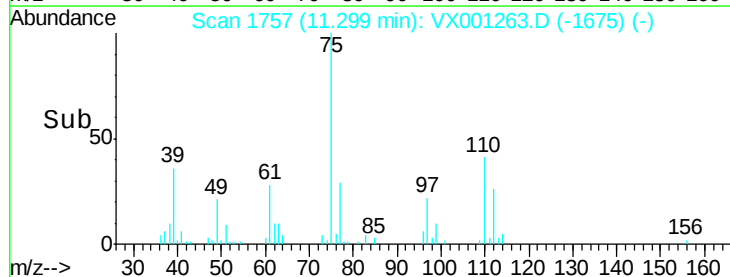
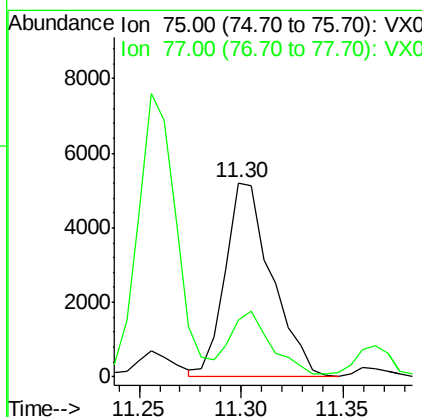
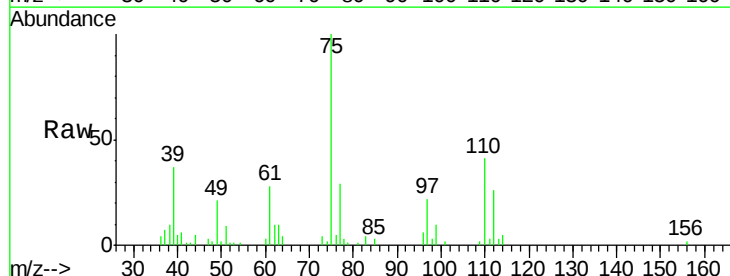
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

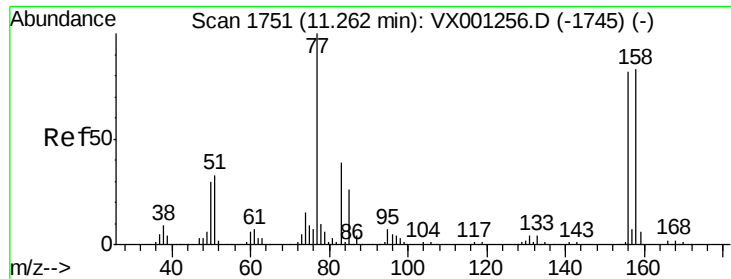
Tgt Ion: 83 Resp: 7736
 Ion Ratio Lower Upper
 83 100
 131 12.3 5.3 16.1
 85 63.3 32.5 97.5



#72
 1,2,3-Trichloropropane
 Concen: 2.87 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 75 Resp: 8254
 Ion Ratio Lower Upper
 75 100
 77 30.4 0.0 85.8





#73

Bromobenzene

Concen: 2.39 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

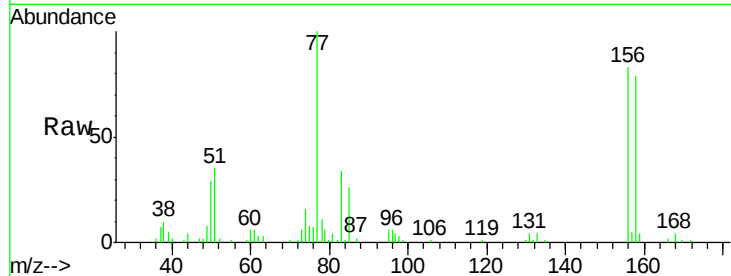
Tgt Ion:156 Resp: 7621

Ion Ratio Lower Upper

156 100

77 129.5 0.0 280.2

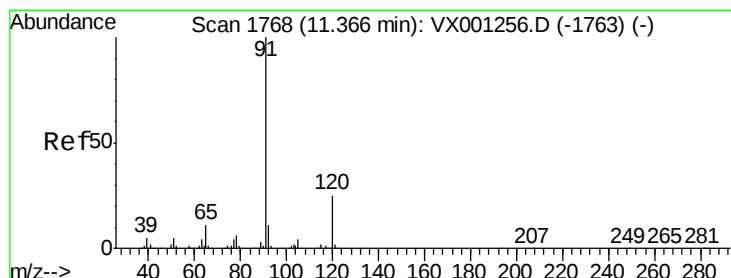
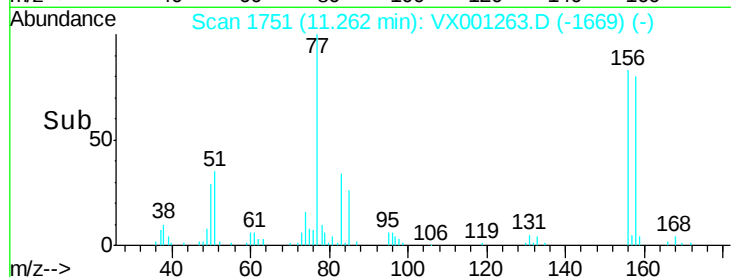
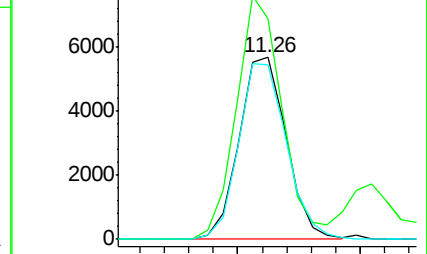
158 97.9 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.19 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001263.D

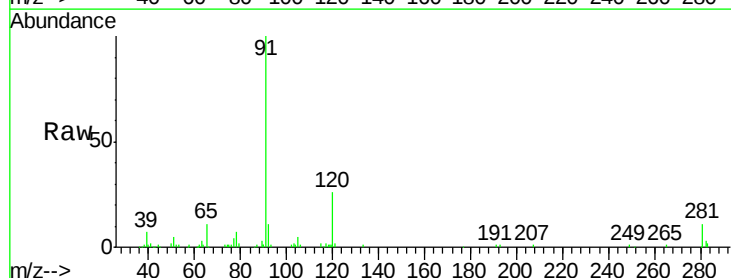
Acq: 30 Apr 2018 19:39

Tgt Ion: 91 Resp: 27177

Ion Ratio Lower Upper

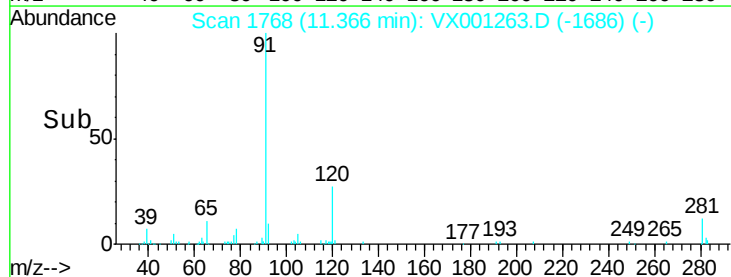
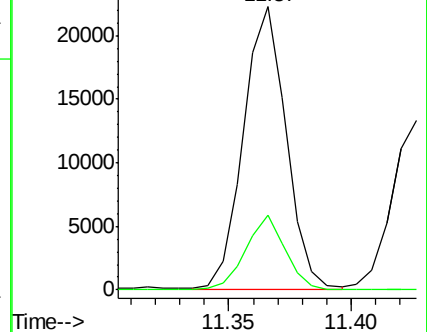
91 100

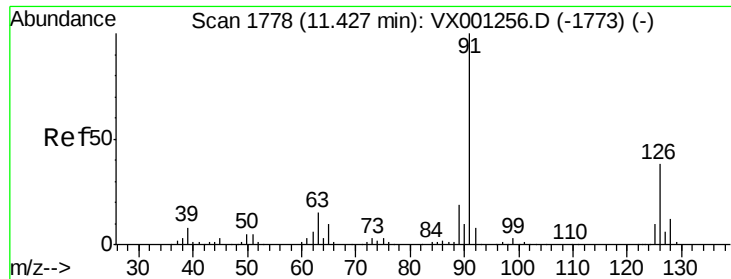
120 24.2 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.27 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

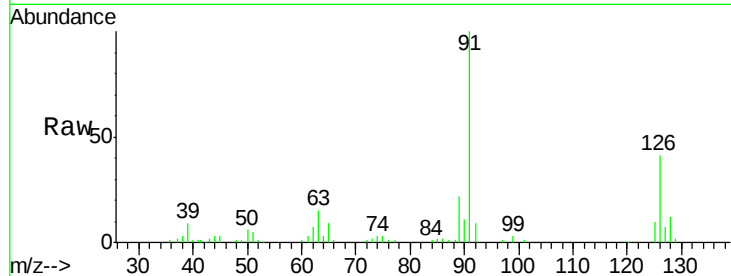
MDL-WATER-03-QT2-2018

Tgt Ion: 91 Resp: 16992

Ion Ratio Lower Upper

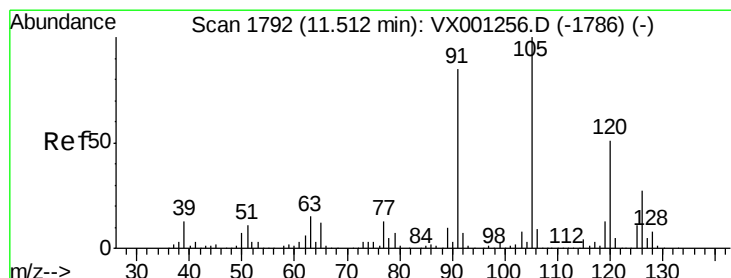
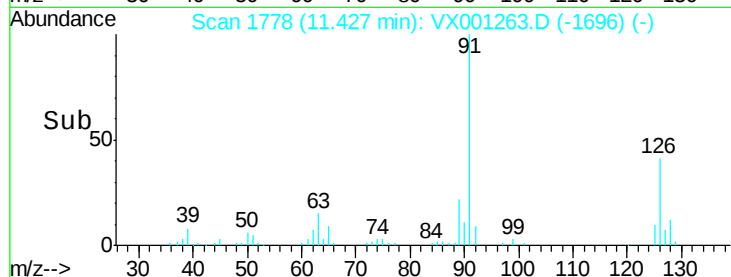
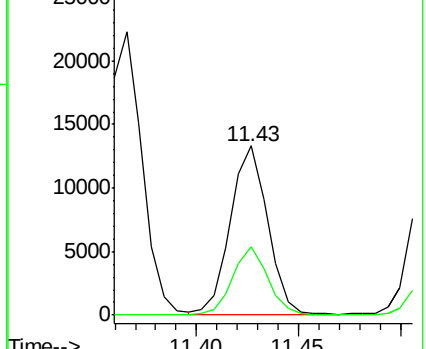
91 100

126 37.9 0.0 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 2.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001263.D

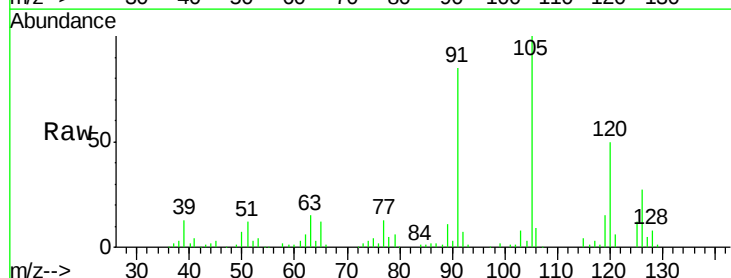
Acq: 30 Apr 2018 19:39

Tgt Ion: 105 Resp: 20053

Ion Ratio Lower Upper

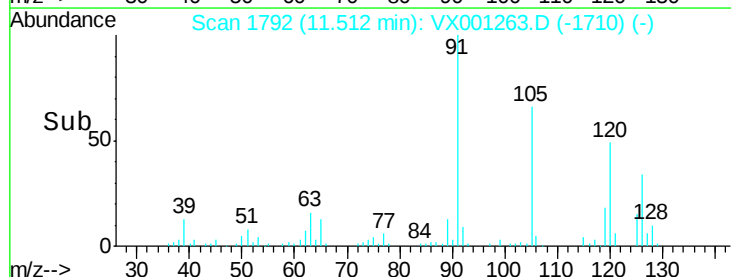
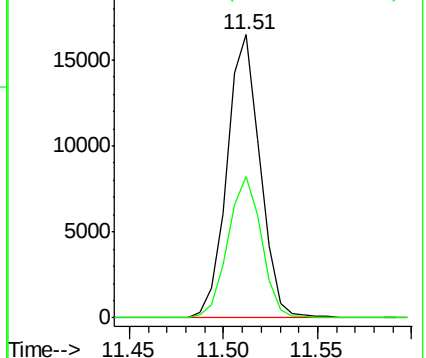
105 100

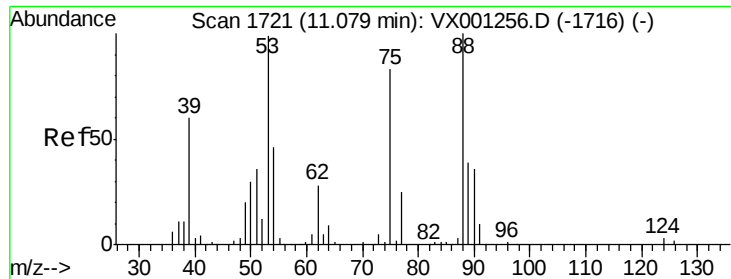
120 50.6 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 1.40 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

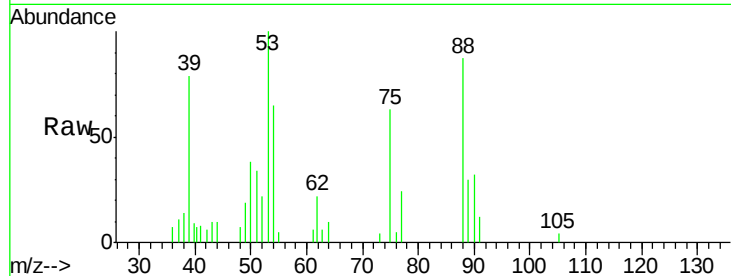
Tgt Ion: 75 Resp: 1200

Ion Ratio Lower Upper

75 100

53 159.3 47.8 143.3#

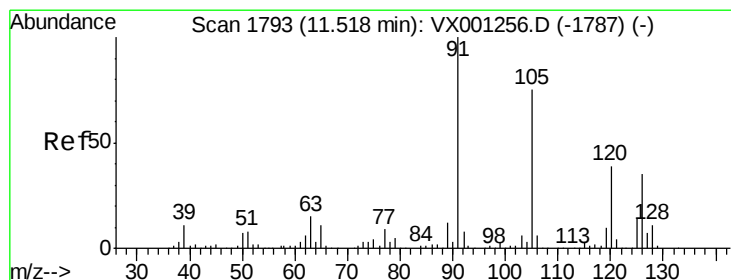
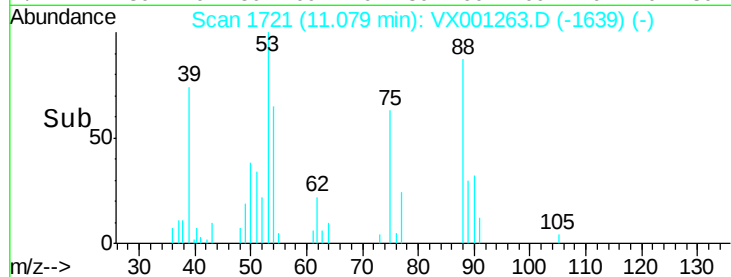
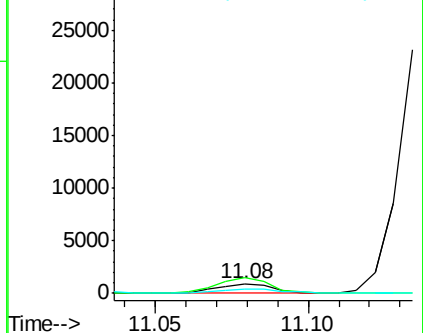
89 48.4 22.3 66.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 2.11 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001263.D

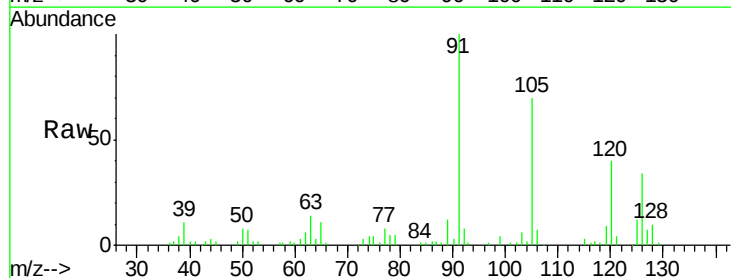
Acq: 30 Apr 2018 19:39

Tgt Ion: 91 Resp: 18847

Ion Ratio Lower Upper

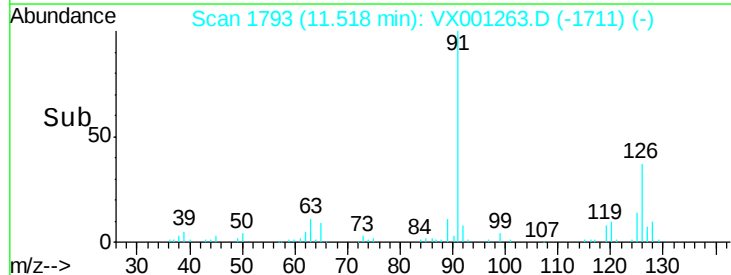
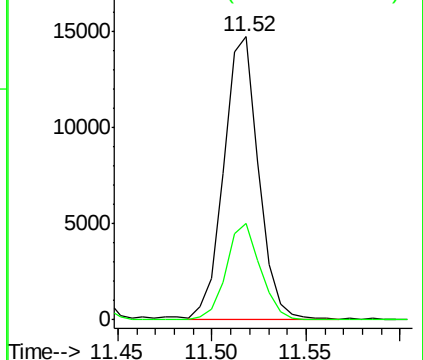
91 100

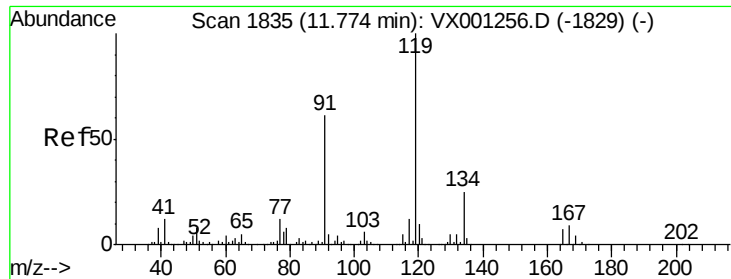
126 33.5 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

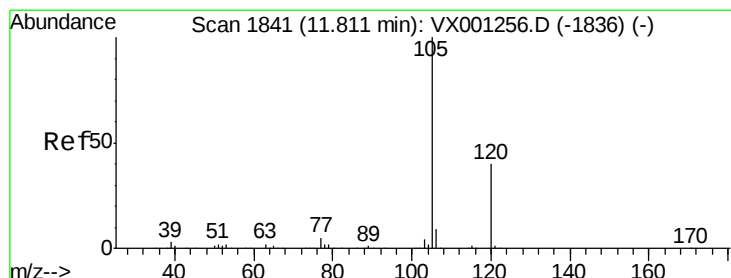
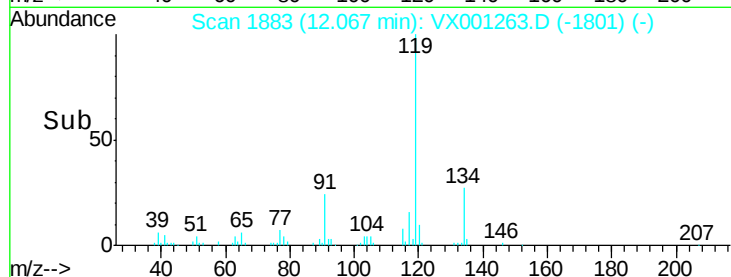
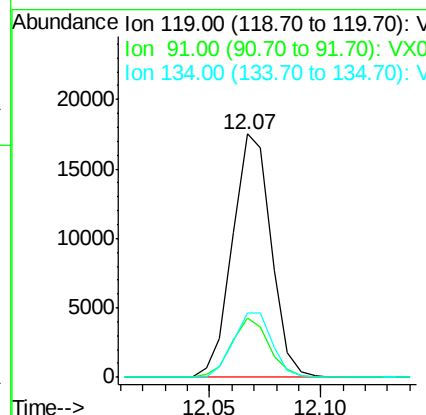
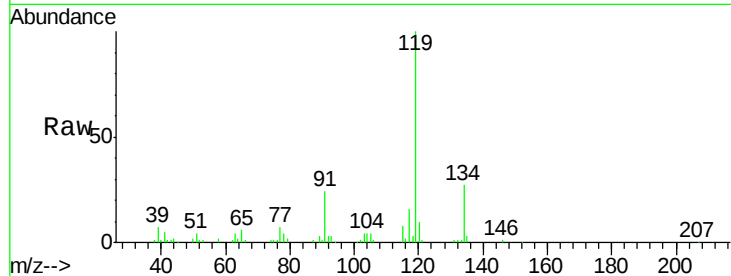




#79
tert-butylbenzene
Concen: 2.12 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

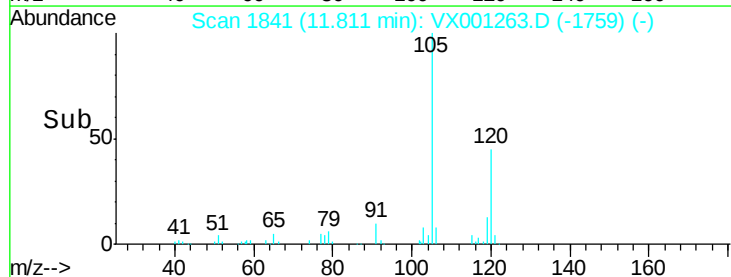
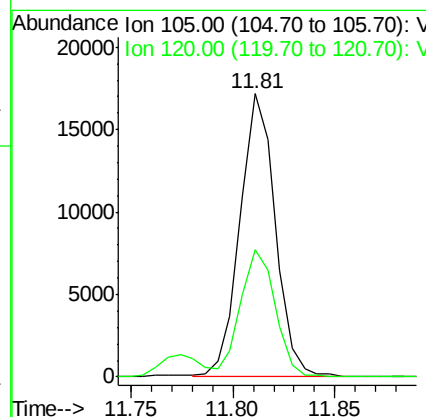
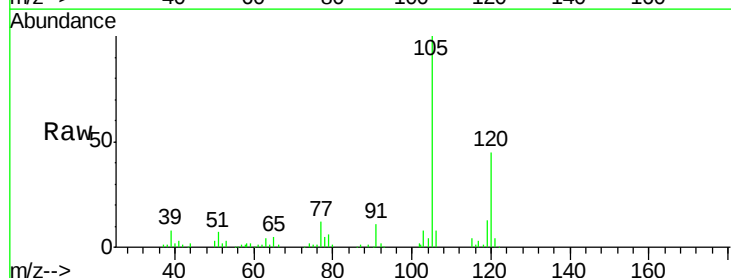
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

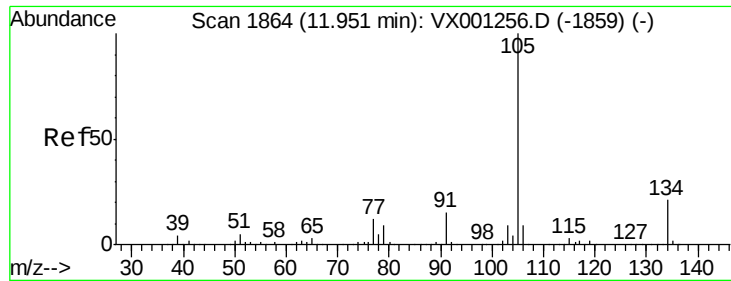
Tgt Ion:119 Resp: 21219
Ion Ratio Lower Upper
119 100
91 23.7 0.0 51.6
134 27.0 0.0 60.2



#80
1,2,4-Trimethylbenzene
Concen: 2.17 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:105 Resp: 20619
Ion Ratio Lower Upper
105 100
120 44.0 0.0 93.0

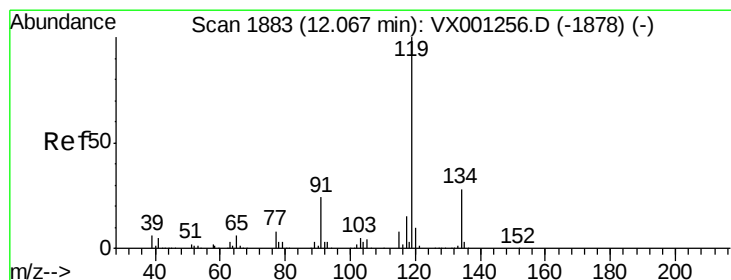
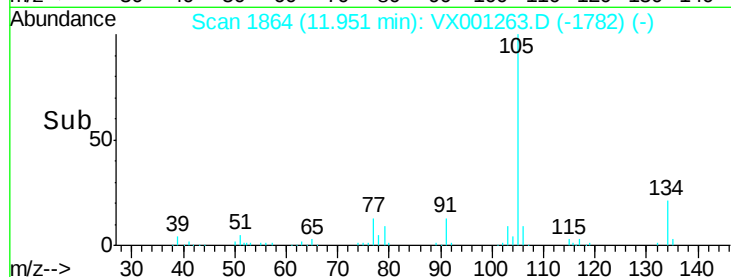
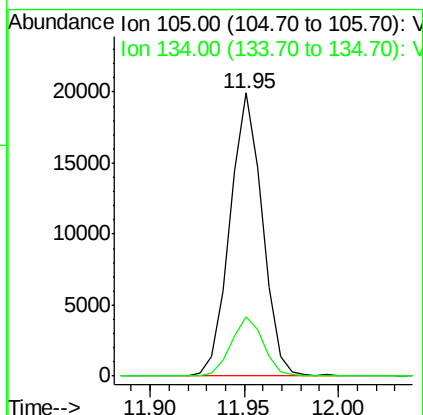
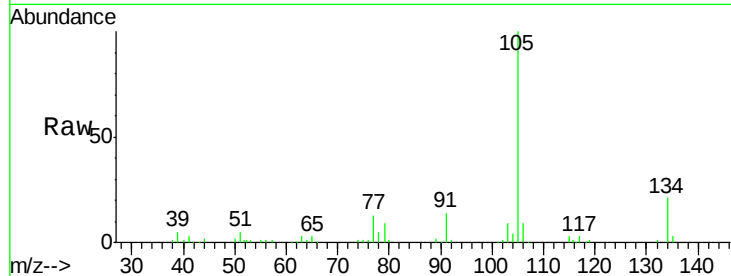




#81
 sec-Butylbenzene
 Concen: 2.19 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

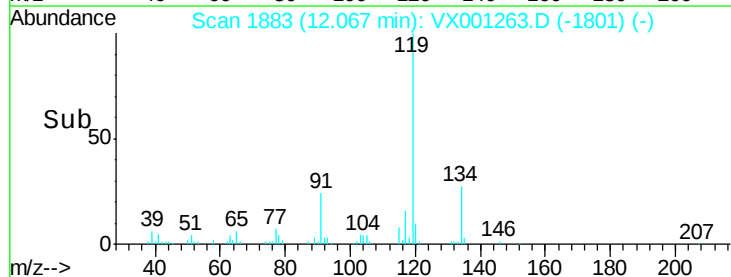
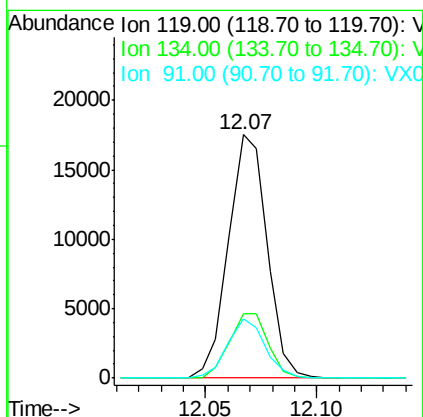
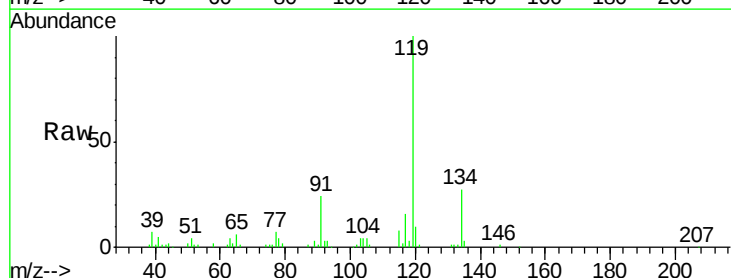
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

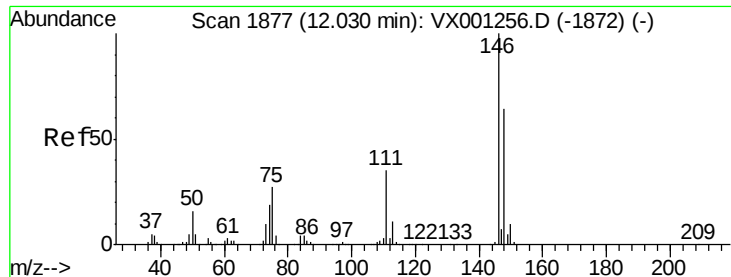
Tgt Ion:105 Resp: 23737
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 2.12 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion:119 Resp: 21219
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 54.4
 91 23.7 0.0 46.6





#83

1,3-Dichlorobenzene

Concen: 2.24 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

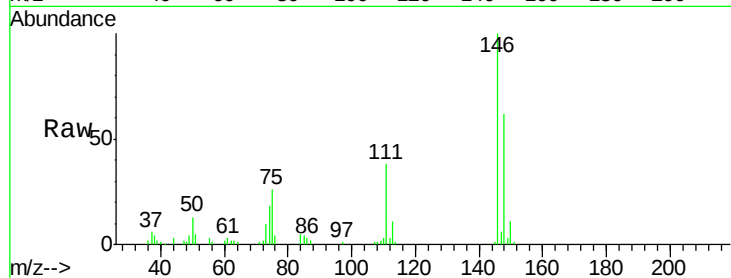
Tgt Ion:146 Resp: 13023

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.2

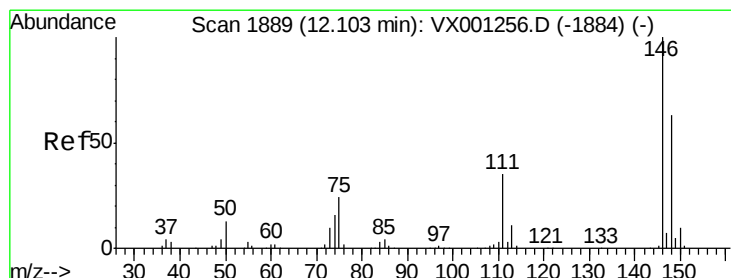
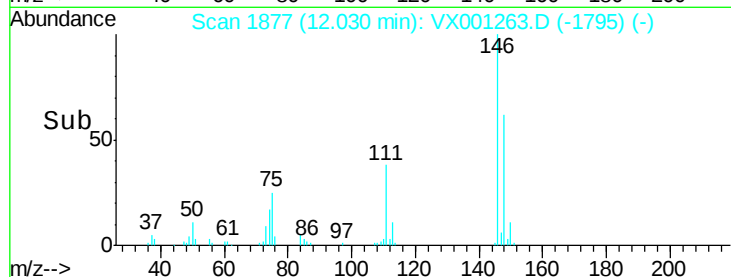
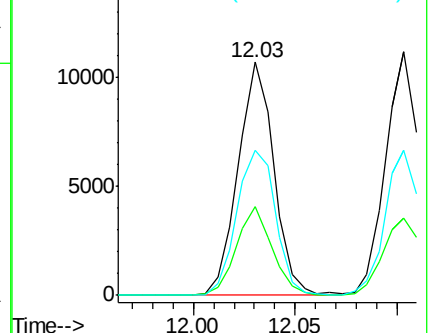
148 67.3 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 2.24 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001263.D

Acq: 30 Apr 2018 19:39

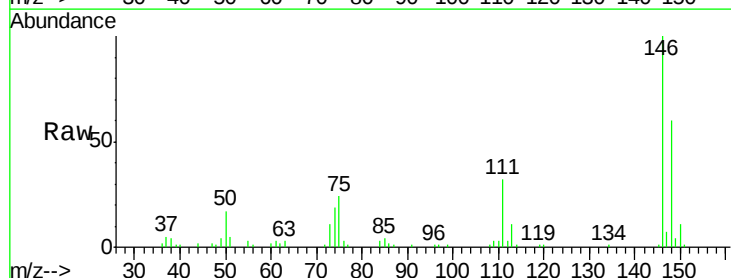
Tgt Ion:146 Resp: 13297

Ion Ratio Lower Upper

146 100

111 34.5 18.4 55.0

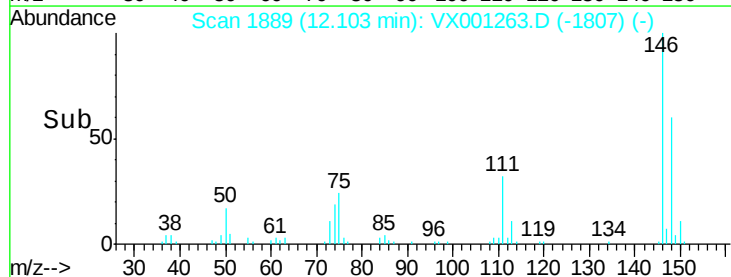
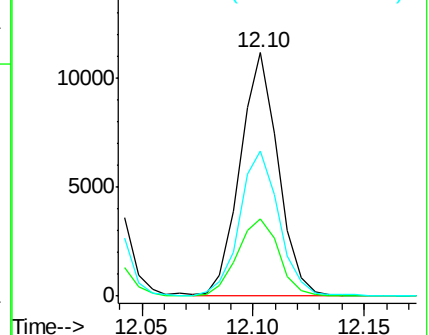
148 61.8 31.9 95.7

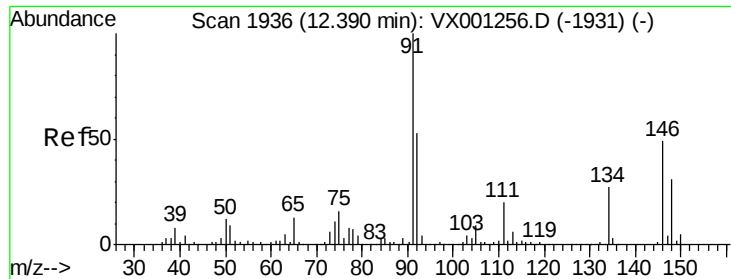


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

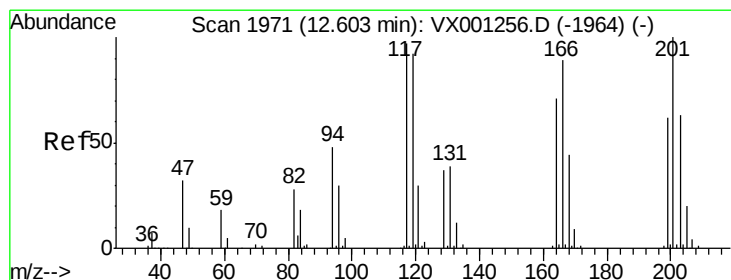
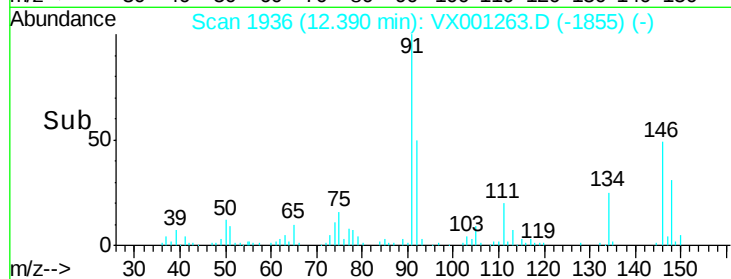
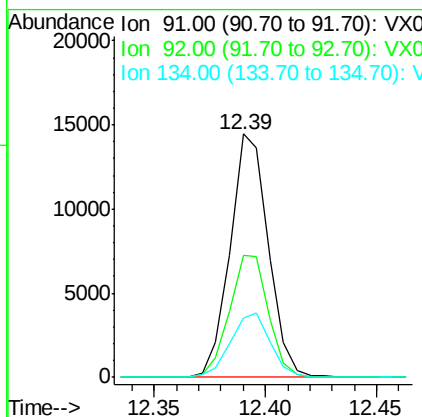
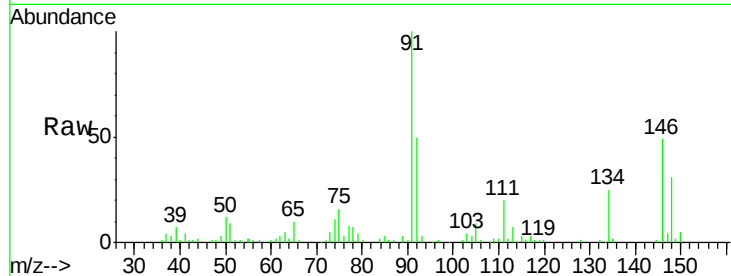




#85
n-Butylbenzene
Concen: 2.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

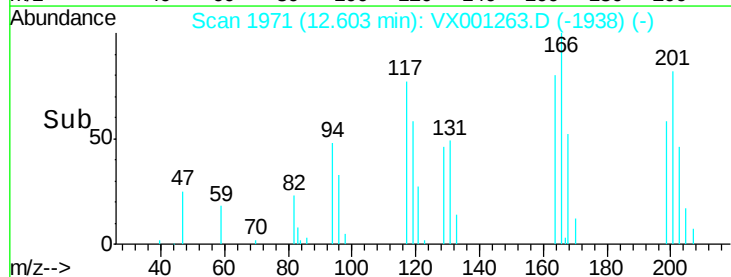
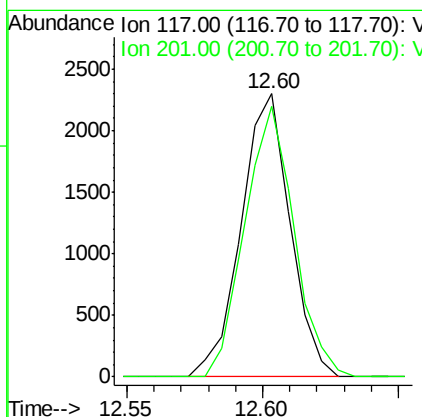
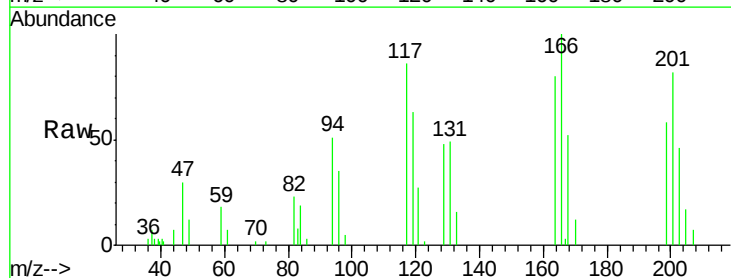
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

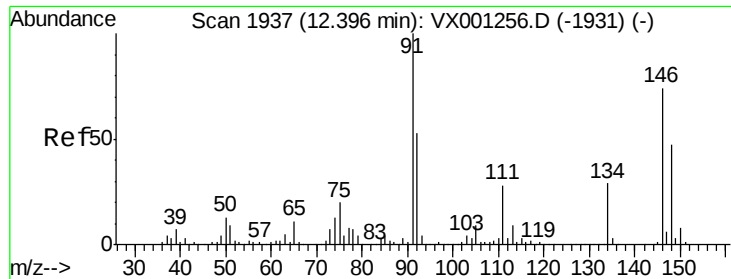
Tgt Ion: 91 Resp: 17289
Ion Ratio Lower Upper
91 100
92 51.0 0.0 102.0
134 27.7 0.0 54.2



#86
Hexachloroethane
Concen: 1.88 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion: 117 Resp: 2879
Ion Ratio Lower Upper
117 100
201 95.7 38.9 116.6

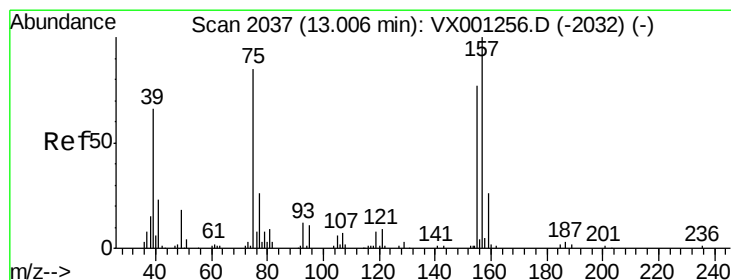
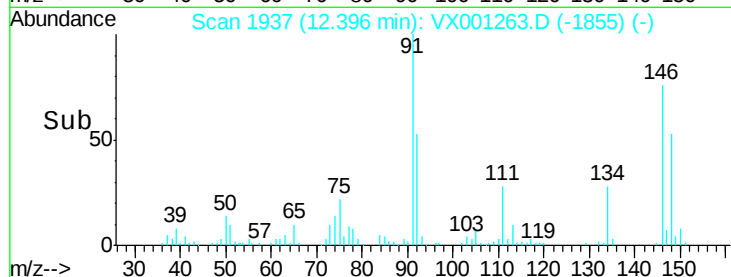
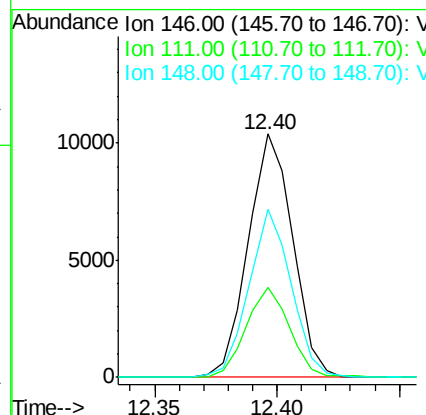
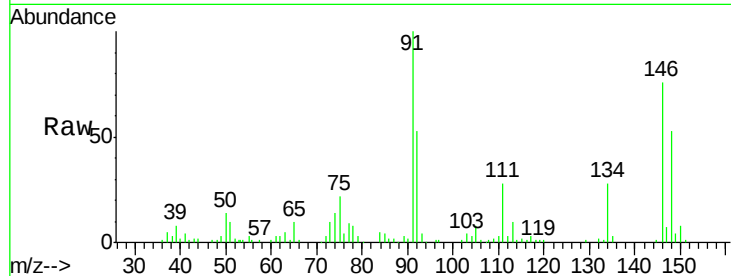




#87
 1,2-Dichlorobenzene
 Concen: 2.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

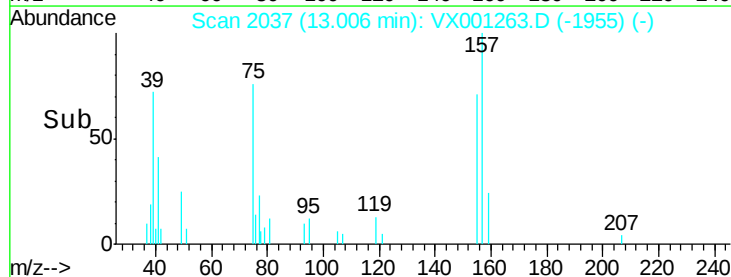
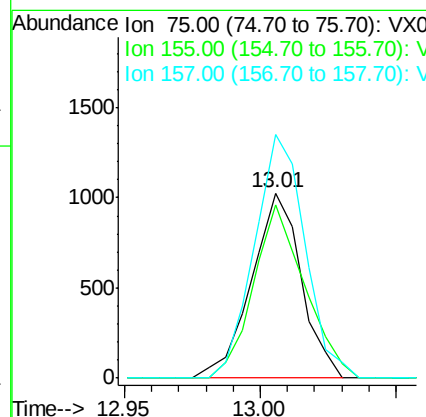
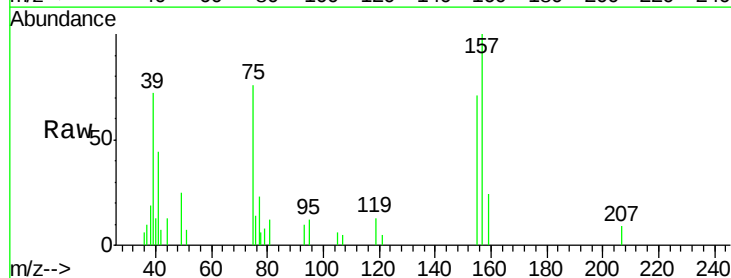
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

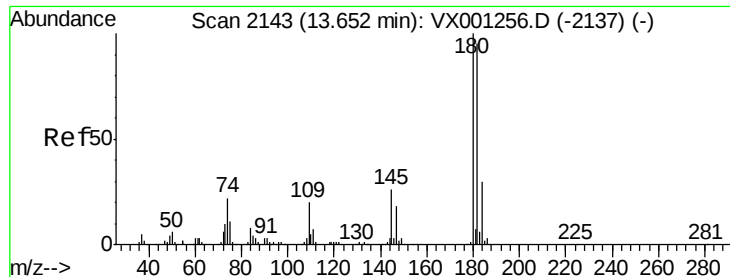
Tgt Ion: 146 Resp: 13204
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.0 60.0
 148 65.4 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion: 75 Resp: 1301
 Ion Ratio Lower Upper
 75 100
 155 96.5 75.1 112.7
 157 133.5 99.0 148.4

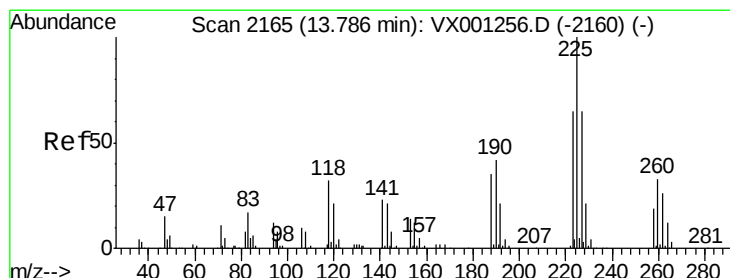
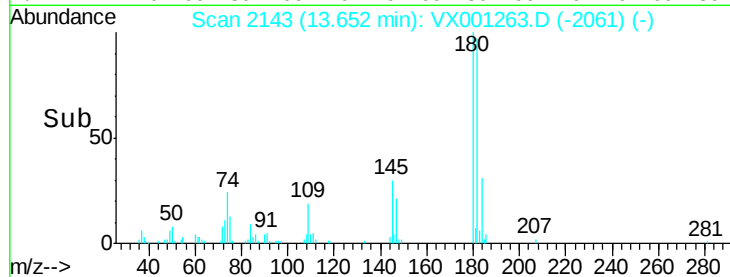
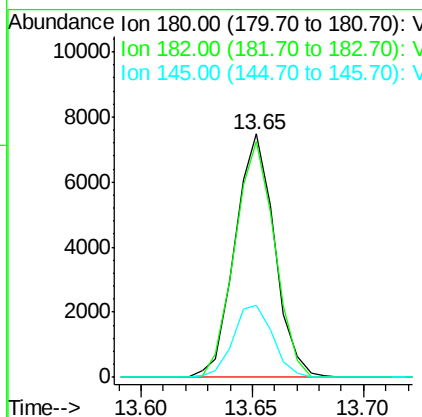
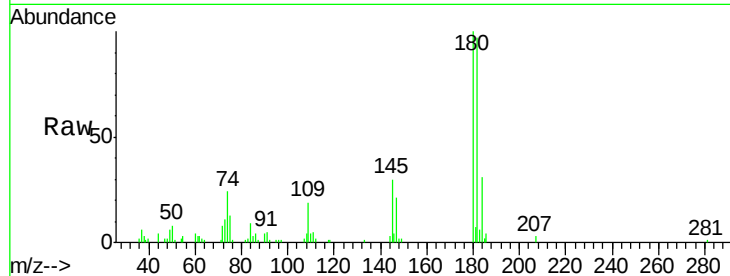




#89
 1,2,4-Trichlorobenzene
 Concen: 2.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

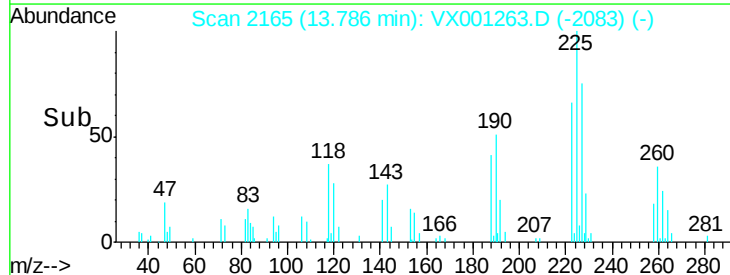
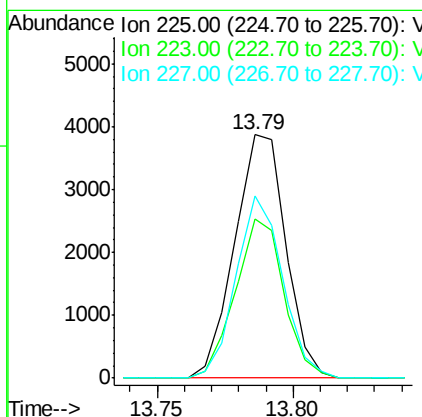
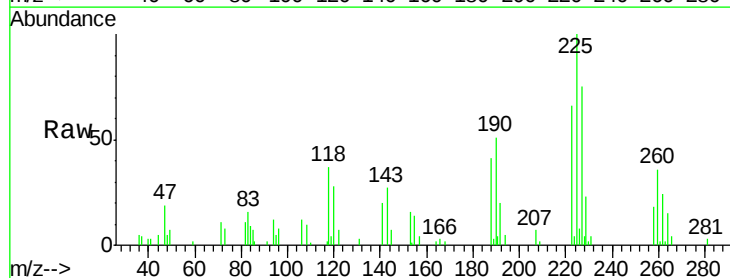
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

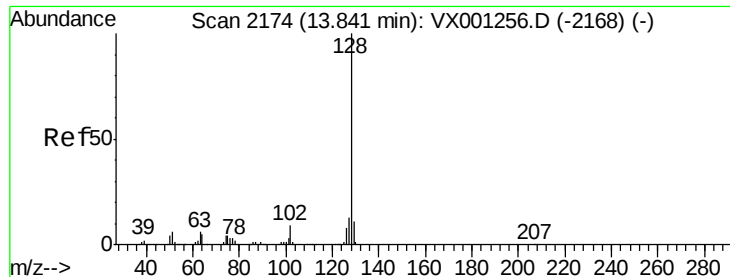
Tgt Ion:180 Resp: 9245
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.3 114.5
 145 29.8 24.6 37.0



#90
 Hexachlorobutadiene
 Concen: 2.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001263.D
 Acq: 30 Apr 2018 19:39

Tgt Ion:225 Resp: 5050
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 131.2
 227 68.1 0.0 127.6

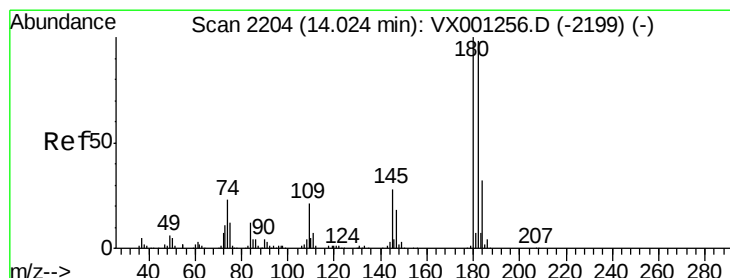
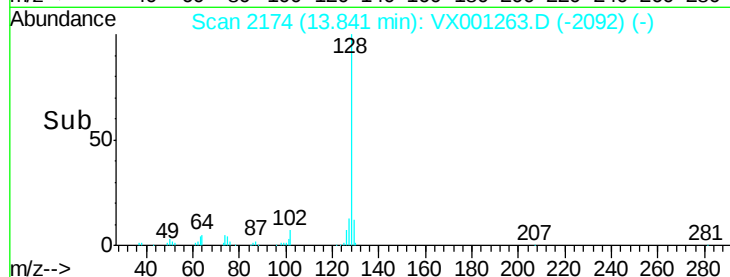
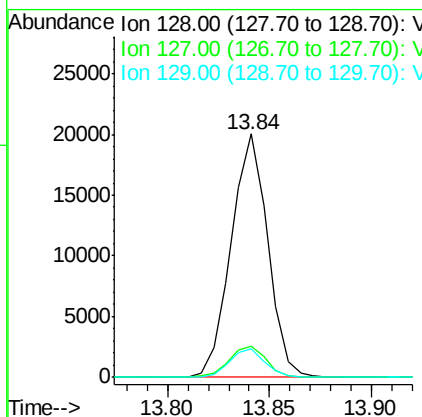
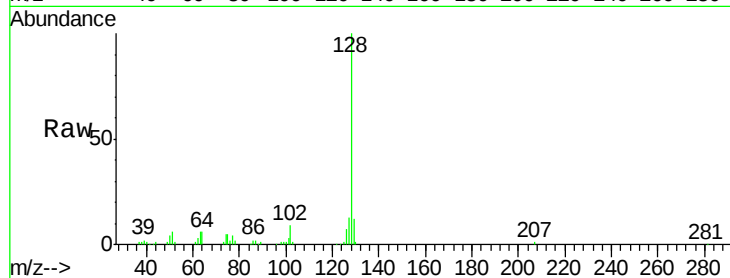




#91
Naphthalene
Concen: 2.19 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

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

Tgt Ion:128 Resp: 24925
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.3 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 2.25 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001263.D
Acq: 30 Apr 2018 19:39

Tgt Ion:180 Resp: 9741
Ion Ratio Lower Upper
180 100
182 93.8 0.0 188.6
145 30.8 0.0 65.8

