

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030719\
 Data File : VX007878.D
 Acq On : 07 Mar 2019 12:36
 Operator : JC/SP
 Sample : K1560-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

Quant Time: Mar 08 04:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155650	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	5.50	113	134701	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	8.71	98	497602	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	169900	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1404	0.573	ug/l	89
3) Chloromethane	1.33	50	2234	0.707	ug/l	98
4) Vinyl Chloride	1.41	62	1700	0.542	ug/l #	86
5) Bromomethane	1.64	94	1583	Below Cal		85
6) Chloroethane	1.72	64	1363	0.654	ug/l #	85
7) Trichlorofluoromethane	1.93	101	2499	0.612	ug/l	93
8) Diethyl Ether	2.19	74	1123	0.635	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1553	0.613	ug/l	94
10) Methyl Iodide	2.51	142	8574	2.387	ug/l	98
11) Tert butyl alcohol	3.06	59	10553	15.593	ug/l	99
12) 1,1-Dichloroethene	2.37	96	1494	0.612	ug/l	90
13) Acrolein	2.29	56	6818	19.233	ug/l	97
14) Allyl chloride	2.73	41	2884	0.562	ug/l #	84
15) Acrylonitrile	3.15	53	5333	3.122	ug/l	99
16) Acetone	2.45	43	5239	2.991	ug/l	93
17) Carbon Disulfide	2.57	76	5319	0.271	ug/l #	93
18) Methyl Acetate	2.78	43	2284	0.614	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	5091	0.606	ug/l	91
20) Methylene Chloride	2.86	84	2119	0.760	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1564	0.582	ug/l	81
22) Diisopropyl ether	3.86	45	5832	0.620	ug/l #	90
23) Vinyl Acetate	3.82	43	24207	2.936	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3107	0.614	ug/l #	90
25) 2-Butanone	4.70	43	7114	2.869	ug/l	96
26) 2,2-Dichloropropane	4.57	77	1981	0.591	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	1863	0.606	ug/l	90
28) Bromochloromethane	5.03	49	1442	0.611	ug/l #	99
29) Tetrahydrofuran	5.15	42	4523	2.924	ug/l	96
30) Chloroform	5.21	83	2773	0.579	ug/l #	78
31) Cyclohexane	5.57	56	2544	0.547	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	2288	0.576	ug/l #	51
36) 1,1-Dichloropropene	5.79	75	2081	0.548	ug/l	93
37) Ethyl Acetate	4.86	43	2809	0.624	ug/l	96
38) Carbon Tetrachloride	5.77	117	2137	0.593	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2610	0.568	ug/l	94
40) Benzene	6.13	78	6504	0.576	ug/l	94
41) Methacrylonitrile	5.06	41	1644	0.670	ug/l	95
42) 1,2-Dichloroethane	6.19	62	2012	0.545	ug/l	97
43) Isopropyl Acetate	6.46	43	3477	0.522	ug/l	98
44) Trichloroethene	7.21	130	1902	0.611	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1562	0.524	ug/l	93
46) Dibromomethane	7.66	93	1077	0.570	ug/l	97
47) Bromodichloromethane	7.90	83	1859	0.519	ug/l	92
48) Methyl methacrylate	7.78	41	1954	0.558	ug/l	91
49) 1,4-Dioxane	7.75	88	731	10.156	ug/l #	80
51) 4-Methyl-2-Pentanone	8.65	43	11151	2.602	ug/l	96
52) Toluene	8.78	92	4032	0.585	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	1635	0.438	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	1987	0.471	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	1629	0.583	ug/l	89
56) Ethyl methacrylate	9.18	69	2038	0.486	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	2601	0.555	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	4483	2.067	ug/l	100
59) 2-Hexanone	9.49	43	8162	2.453	ug/l	95
60) Dibromochloromethane	9.58	129	1443	0.494	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1540	0.520	ug/l	97
64) Tetrachloroethene	9.34	164	1874	0.620	ug/l #	91
65) Chlorobenzene	10.13	112	4423	0.579	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.22	131	1328	0.485	ug/l #	66
67) Ethyl Benzene	10.25	91	6836	0.544	ug/l	96
68) m/p-Xylenes	10.36	106	5027	1.038	ug/l	95
69) o-Xylene	10.70	106	2419	0.517	ug/l	95
70) Styrene	10.71	104	3913	0.511	ug/l	97
71) Bromoform	10.86	173	1031	0.439	ug/l #	99
73) Isopropylbenzene	11.02	105	6474	0.554	ug/l	99
74) N-amyl acetate	10.90	43	2684	0.503	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2381	0.591	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	78213	21.588	ug/l #	39
77) Bromobenzene	11.26	156	1958	0.612	ug/l	94
78) n-propylbenzene	11.36	91	7437	0.574	ug/l	95
79) 2-Chlorotoluene	11.42	91	4775	0.603	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	5189	0.540	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	78213	69.004	ug/l #	12
82) 4-Chlorotoluene	11.51	91	5124	0.565	ug/l	100
83) tert-Butylbenzene	11.77	119	5630	0.582	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	5140	0.522	ug/l	99
85) sec-Butylbenzene	11.94	105	6118	0.537	ug/l	100
86) p-Isopropyltoluene	12.07	119	5476	0.536	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	3353	0.592	ug/l	97
88) 1,4-Dichlorobenzene	12.02	146	3353	0.578	ug/l	98
89) n-Butylbenzene	12.38	91	4350	0.503	ug/l	96
90) Hexachloroethane	12.60	117	802	0.470	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	3406	0.605	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	422	0.501	ug/l	92

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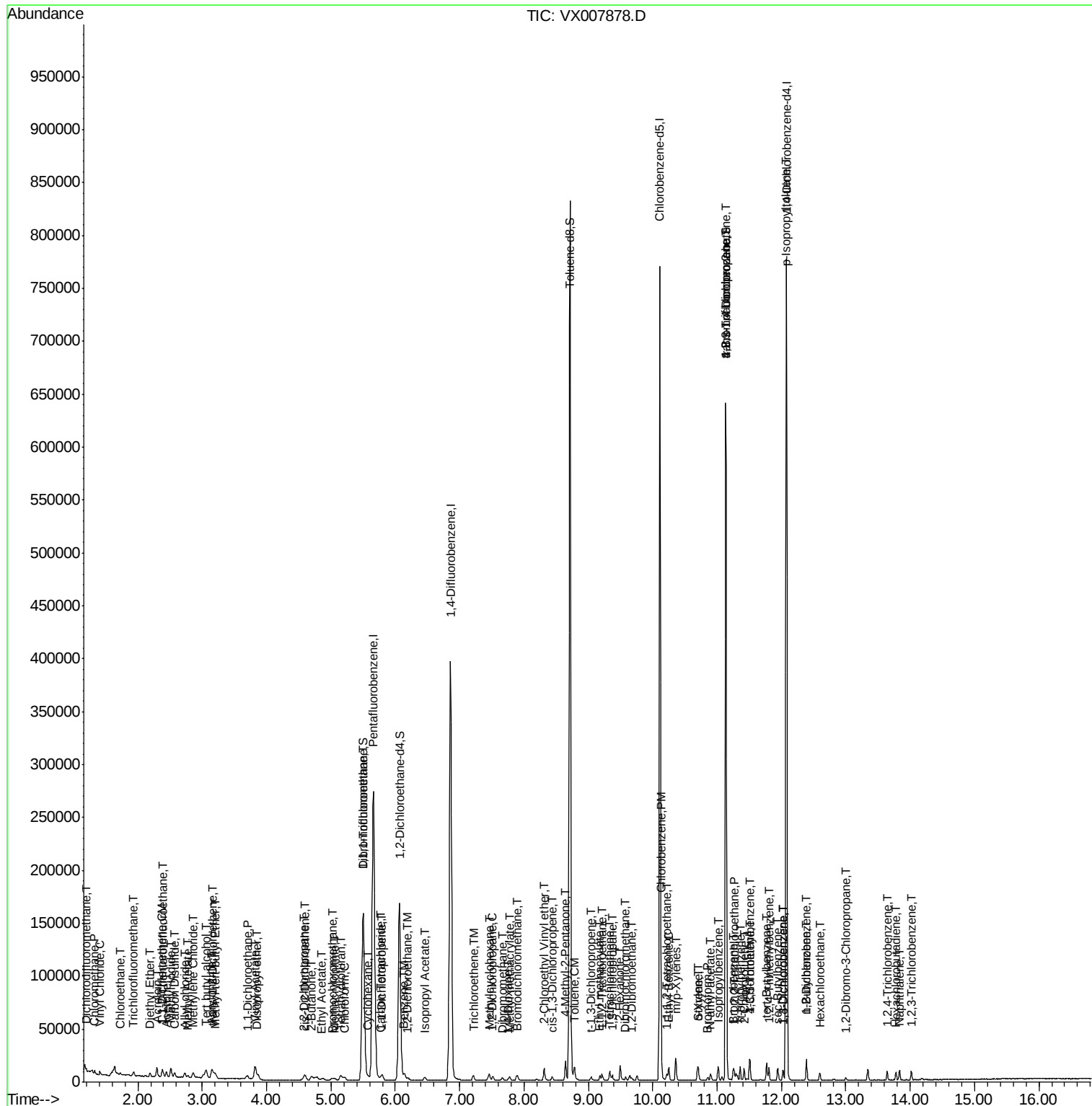
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

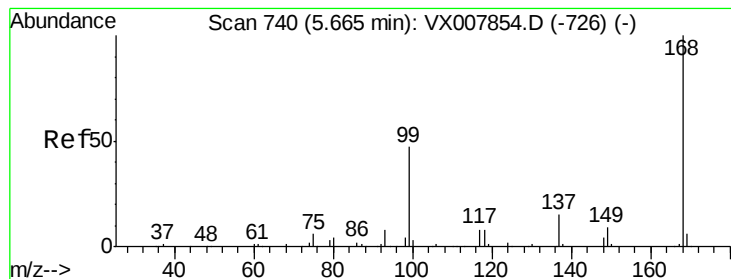
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2330	0.589	ug/l	89
94) Hexachlorobutadiene	13.78	225	1265	0.612	ug/l	98
95) Naphthalene	13.83	128	5839	0.513	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.02	180	2129	0.541	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

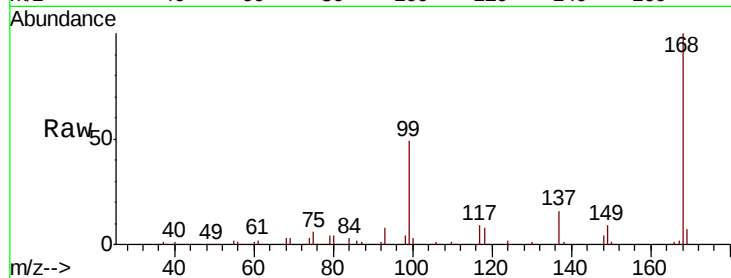
MDL-MDL-WATER-03-QT1-2019

Tgt Ion:168 Resp: 286886

Ion Ratio Lower Upper

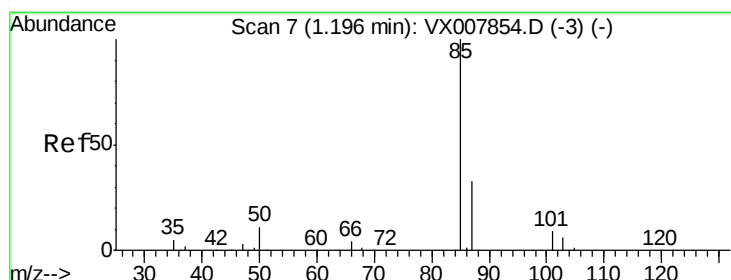
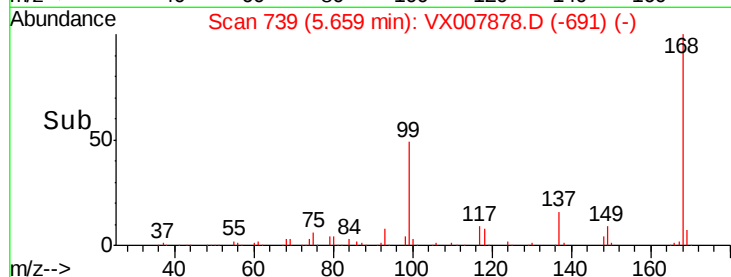
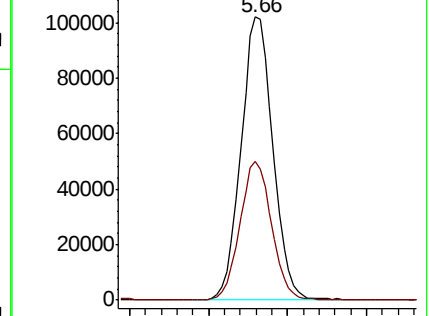
168 100

99 49.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.573 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007878.D

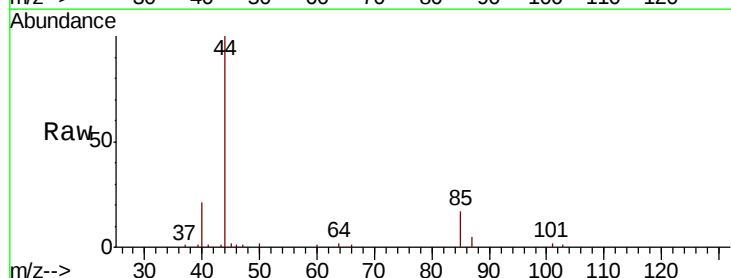
Acq: 07 Mar 2019 12:36

Tgt Ion: 85 Resp: 1404

Ion Ratio Lower Upper

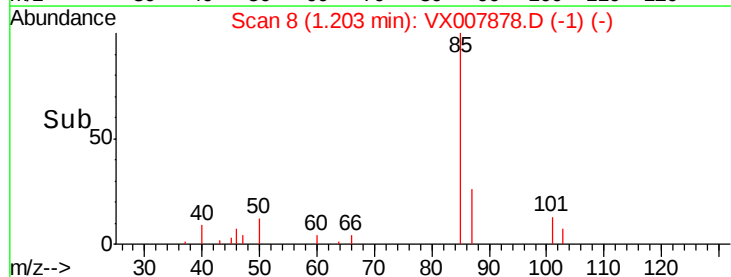
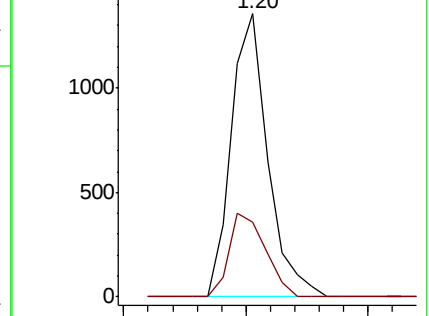
85 100

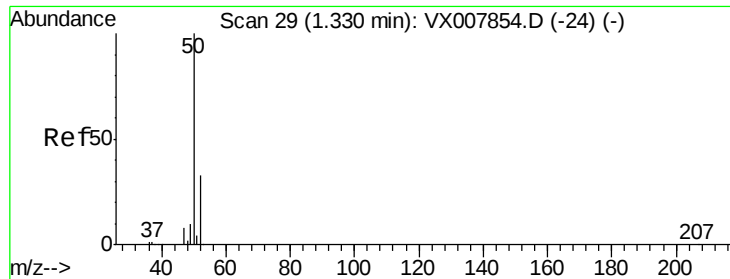
87 26.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.707 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

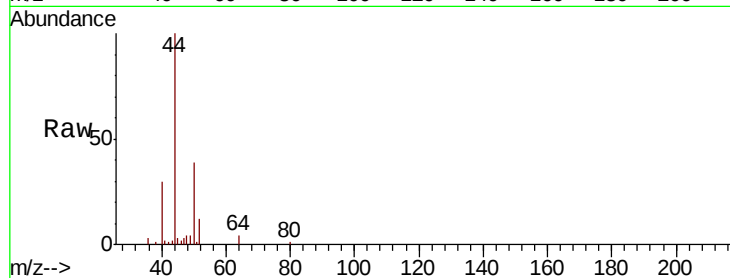
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 50 Resp: 2234

Ion Ratio Lower Upper

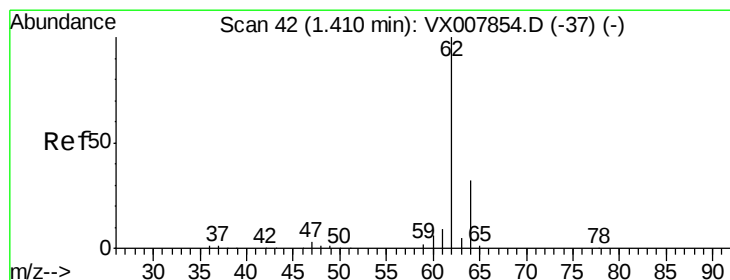
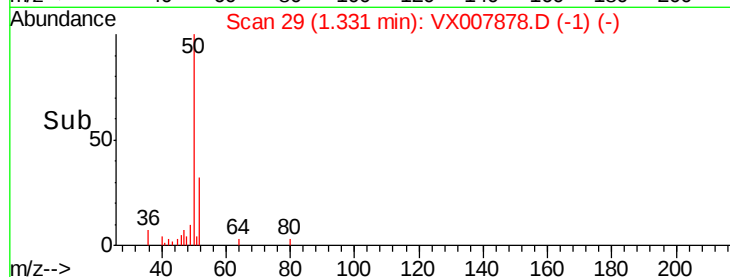
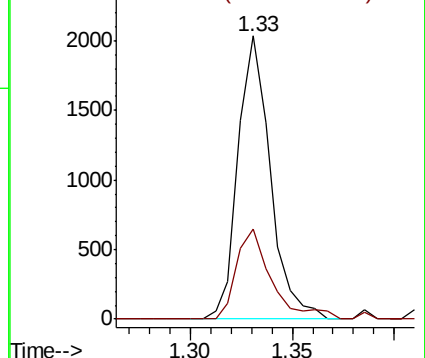
50 100

52 31.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.542 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007878.D

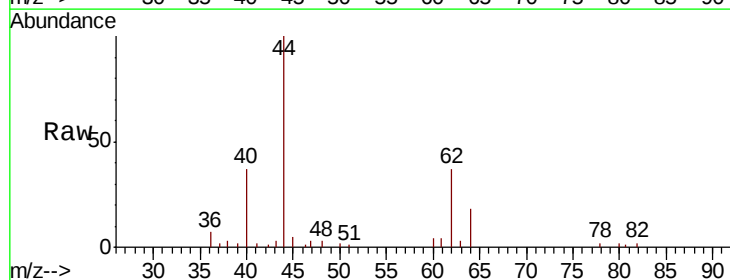
Acq: 07 Mar 2019 12:36

Tgt Ion: 62 Resp: 1700

Ion Ratio Lower Upper

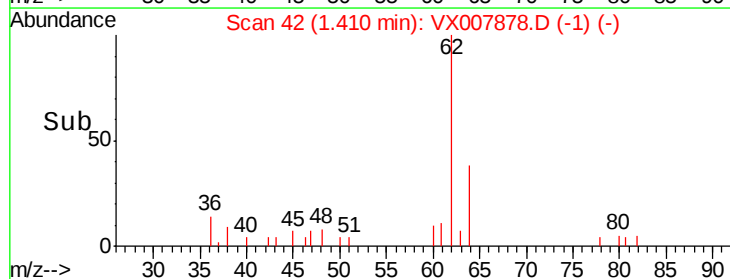
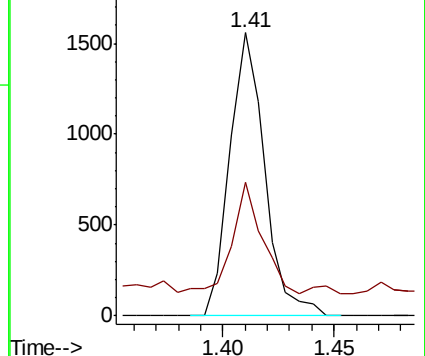
62 100

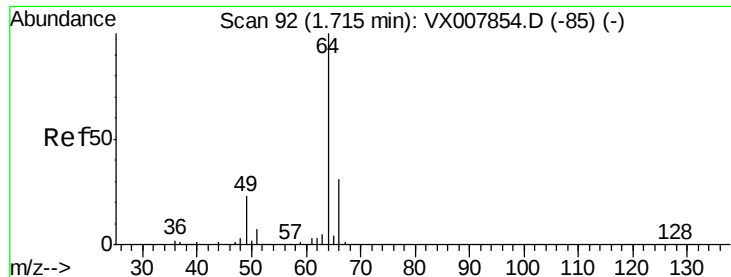
64 39.6 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.654 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

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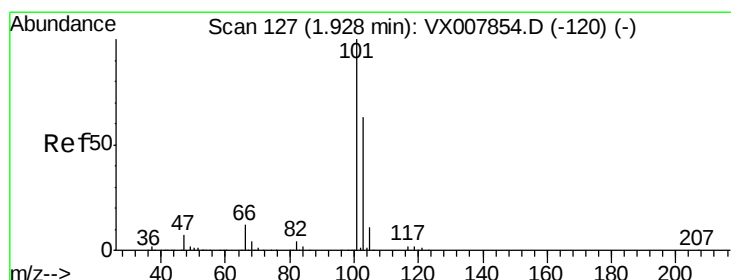
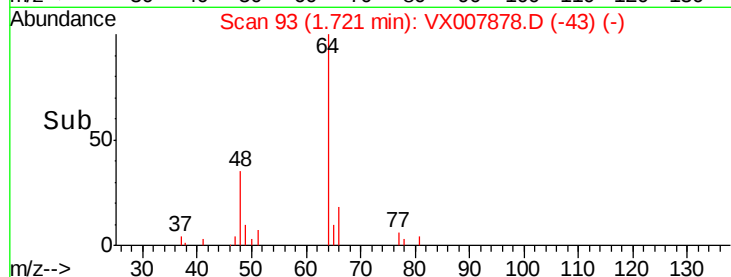
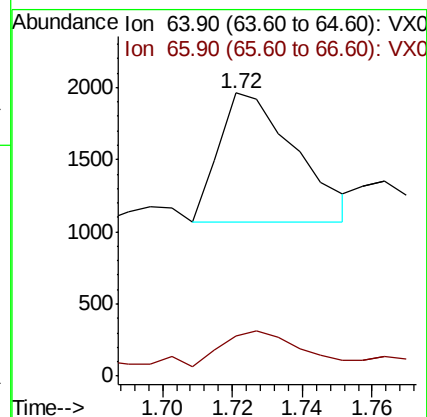
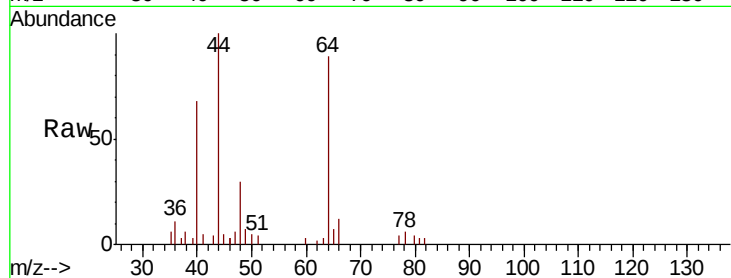
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 64 Resp: 1363

Ion Ratio Lower Upper

64 100

66 23.3 25.2 37.8#



#7

Trichlorofluoromethane

Concen: 0.612 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX007878.D

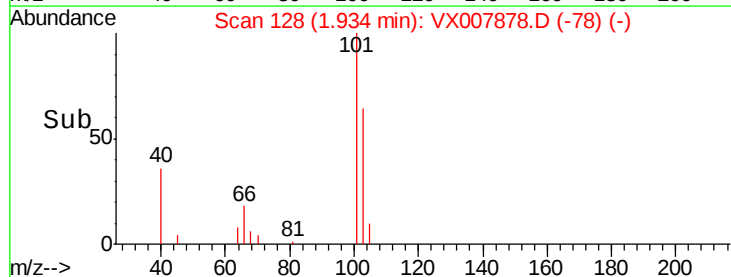
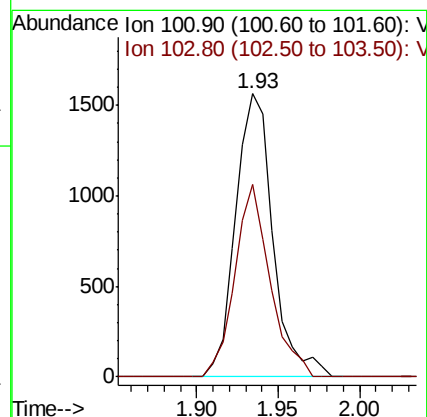
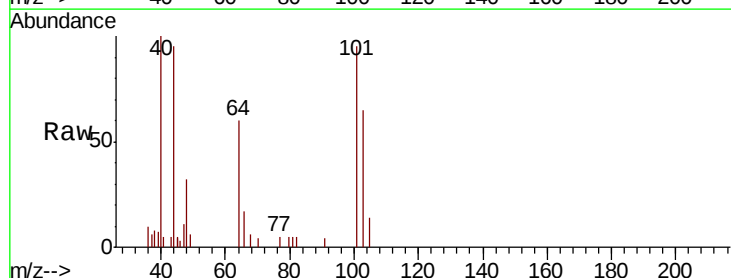
Acq: 07 Mar 2019 12:36

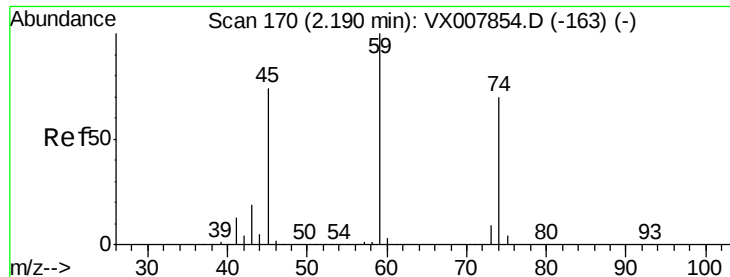
Tgt Ion: 101 Resp: 2499

Ion Ratio Lower Upper

101 100

103 68.1 50.4 75.6





#8

Diethyl Ether

Concen: 0.635 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

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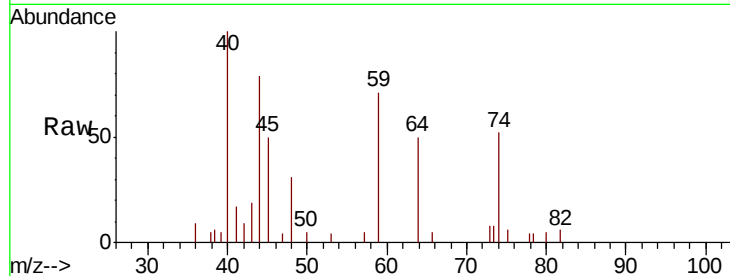
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 74 Resp: 1123

Ion Ratio Lower Upper

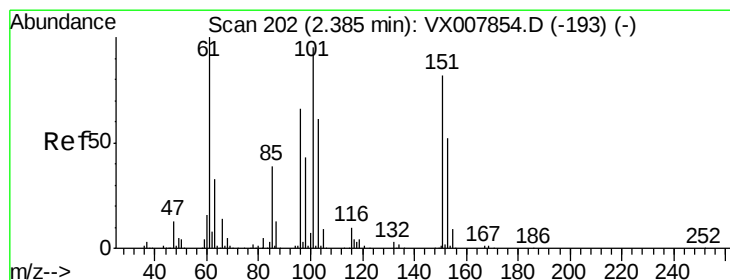
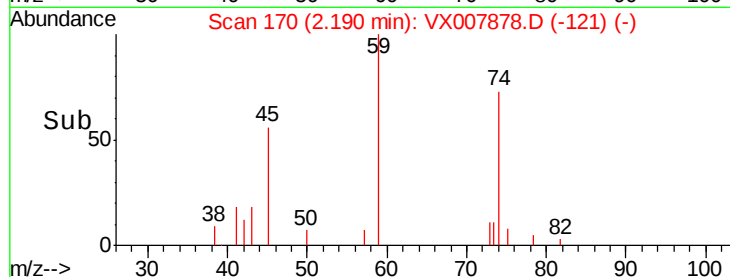
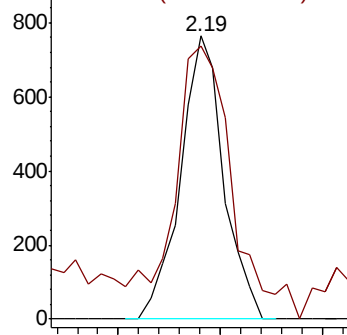
74 100

45 129.0 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.613 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

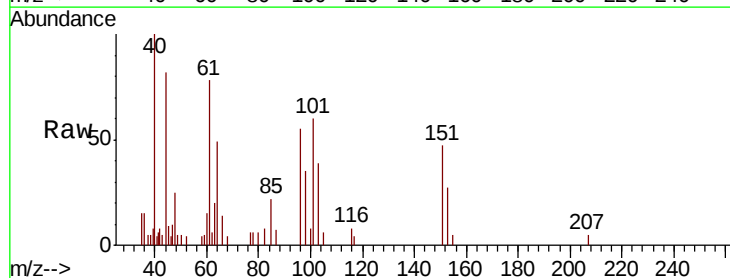
Tgt Ion: 101 Resp: 1553

Ion Ratio Lower Upper

101 100

85 40.8 33.8 50.6

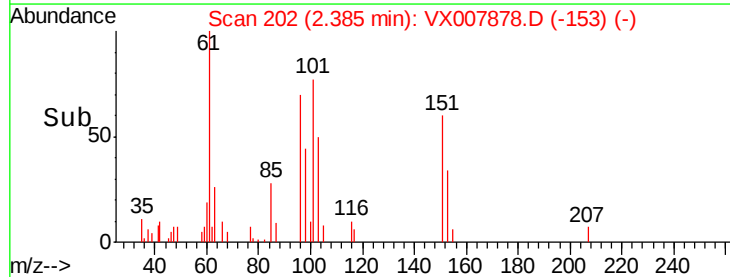
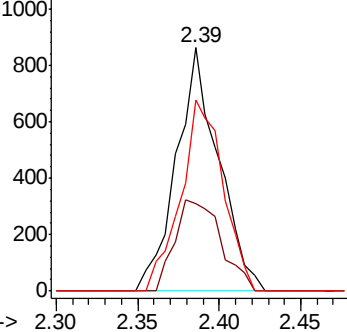
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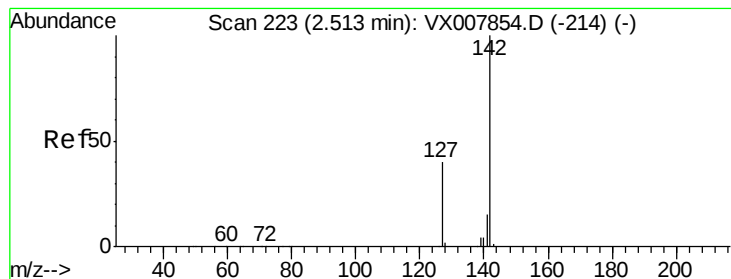


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#10

Methyl Iodide

Concen: 2.387 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

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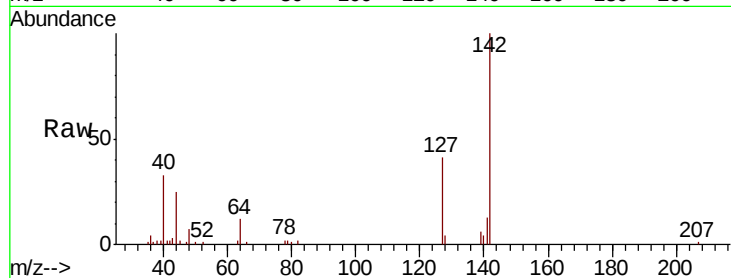
Tgt Ion:142 Resp: 8574

Ion Ratio Lower Upper

142 100

127 41.0 32.1 48.1

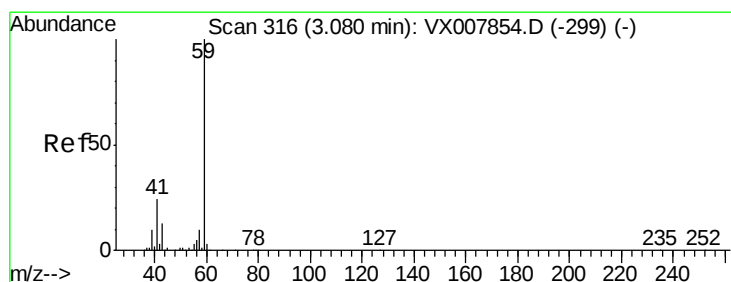
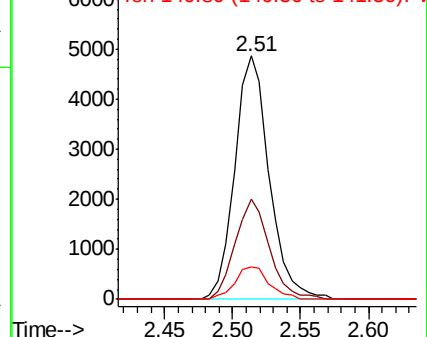
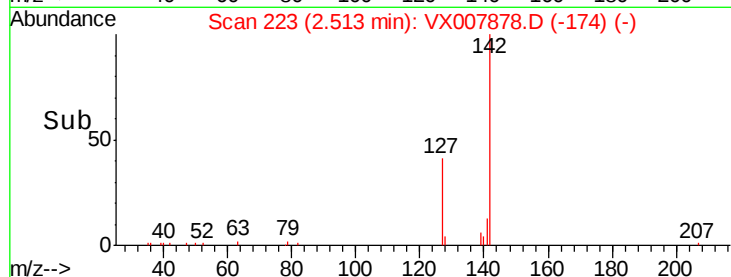
141 13.4 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 15.593 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX007878.D

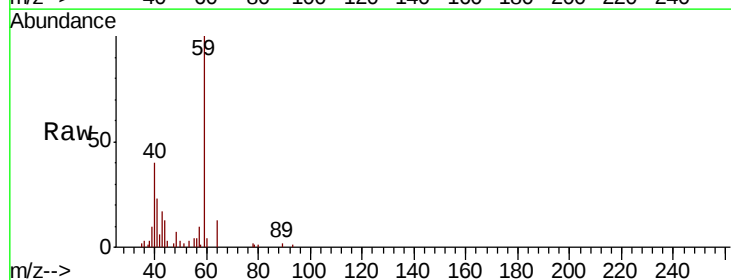
Acq: 07 Mar 2019 12:36

Tgt Ion: 59 Resp: 10553

Ion Ratio Lower Upper

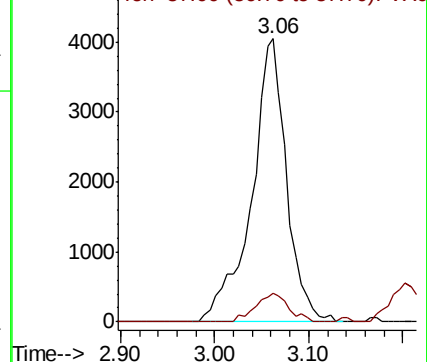
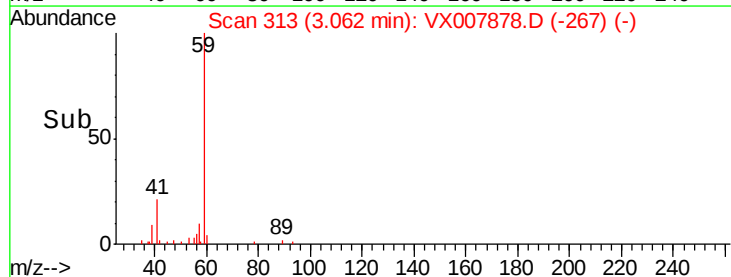
59 100

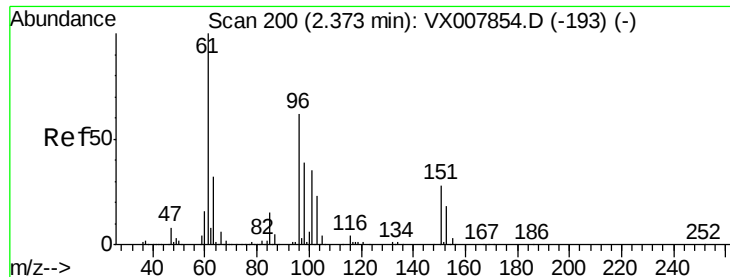
57 9.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.612 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

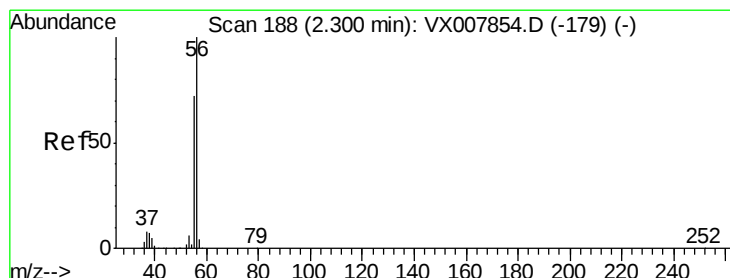
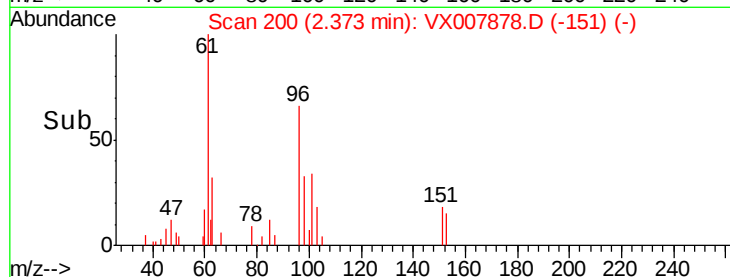
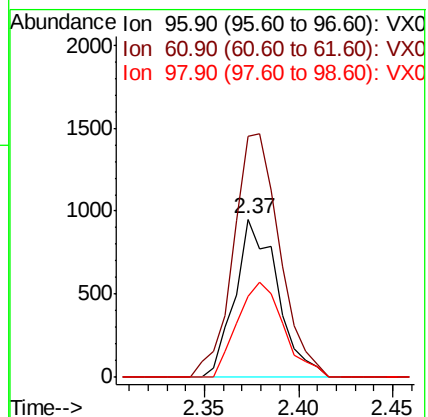
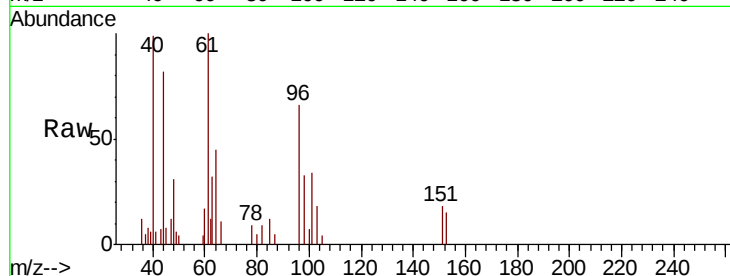
Tgt Ion: 96 Resp: 1494

Ion Ratio Lower Upper

96 100

61 152.4 129.8 194.6

98 51.1 51.0 76.6



#13

Acrolein

Concen: 19.233 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007878.D

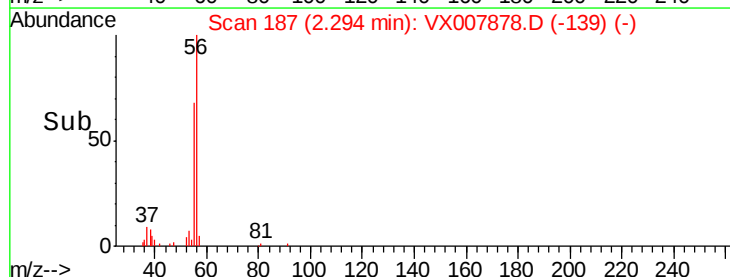
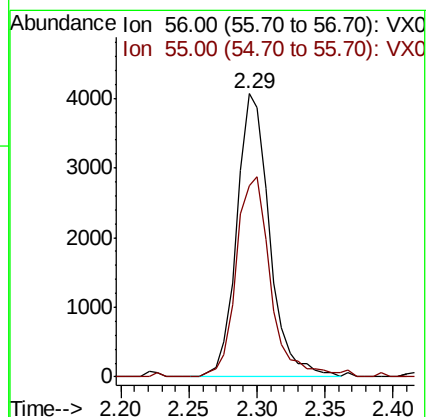
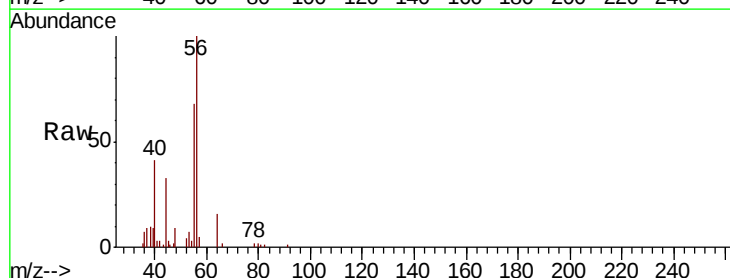
Acq: 07 Mar 2019 12:36

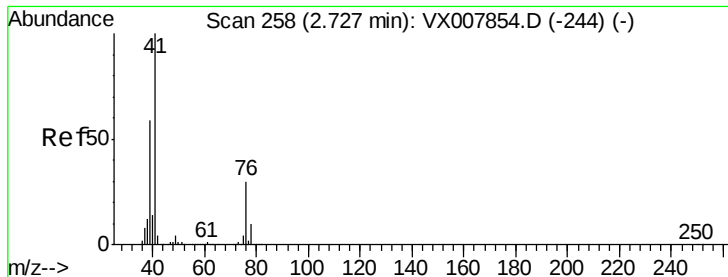
Tgt Ion: 56 Resp: 6818

Ion Ratio Lower Upper

56 100

55 74.4 57.8 86.6





#14

Allyl chloride

Concen: 0.562 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

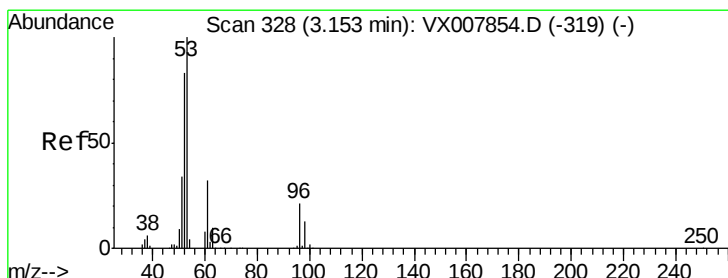
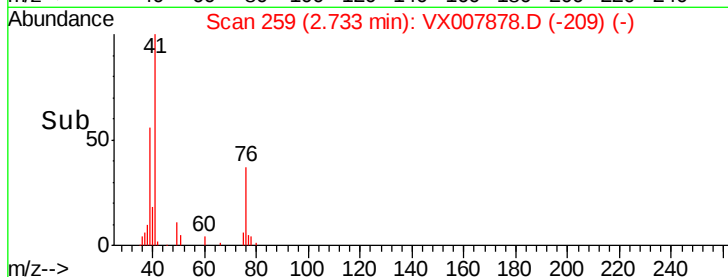
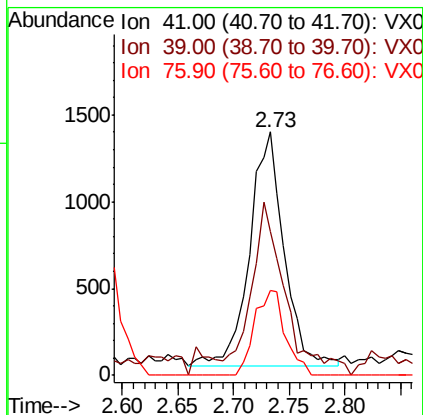
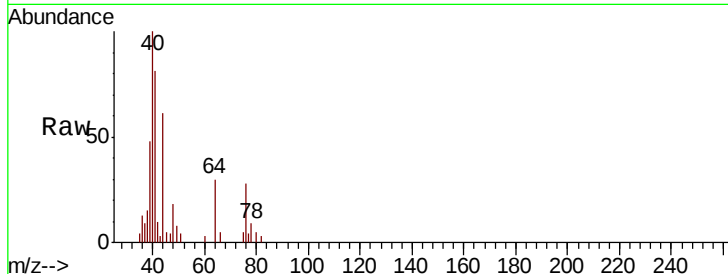
Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

Tgt Ion:	41	Resp:	2884
Ion	Ratio	Lower	Upper
41	100		
39	74.0	46.1	69.1#
76	32.7	24.0	36.0



#15

Acrylonitrile

Concen: 3.122 ug/l

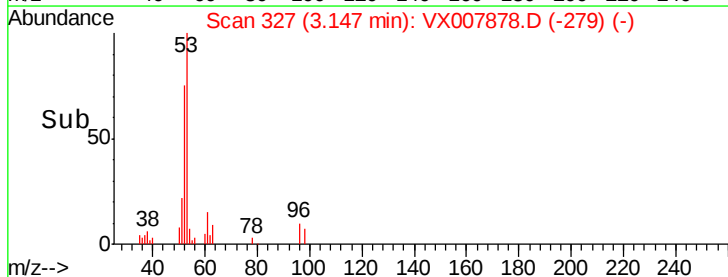
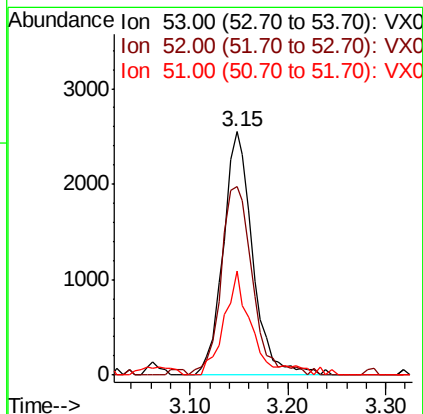
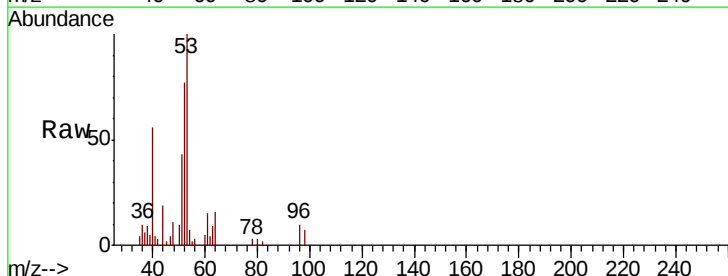
RT: 3.15 min Scan# 327

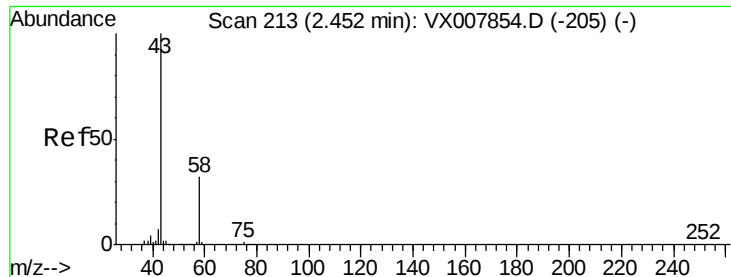
Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Tgt Ion:	53	Resp:	5333
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	37.2	28.0	42.0

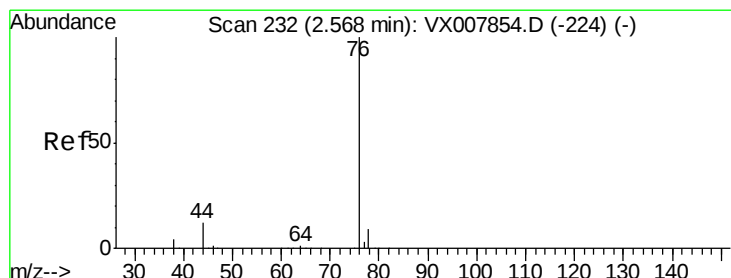
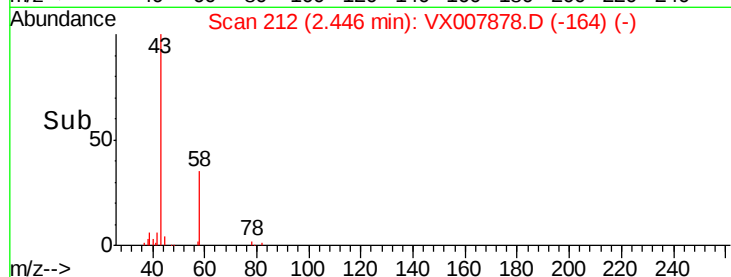
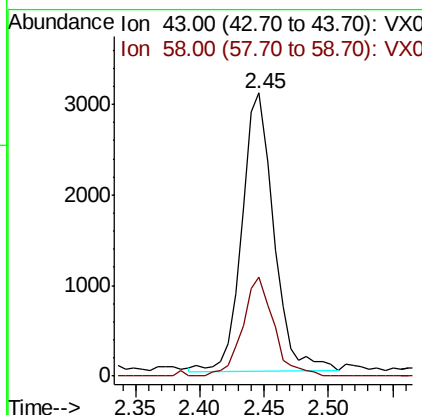
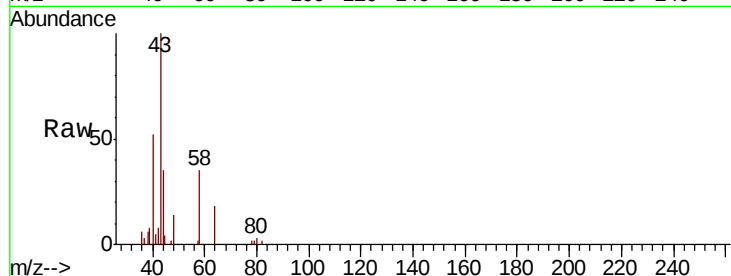




#16
Acetone
Concen: 2.991 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

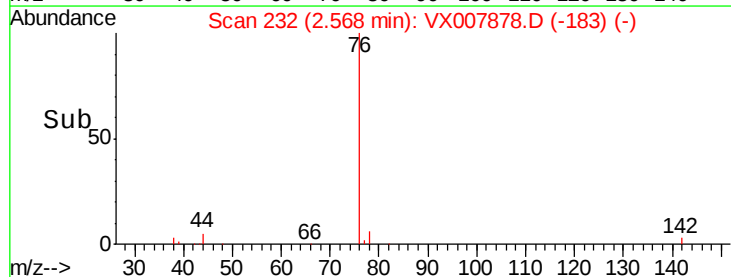
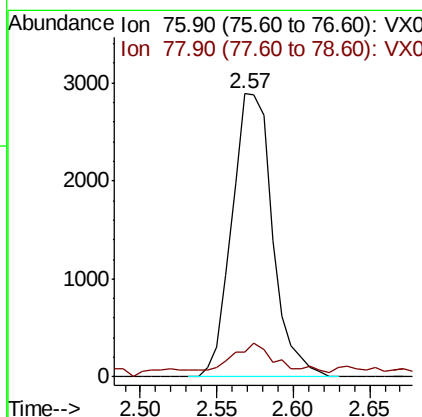
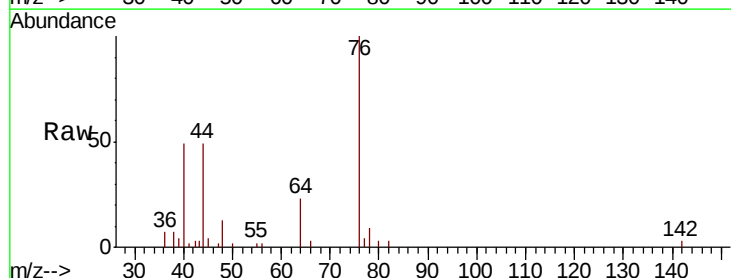
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

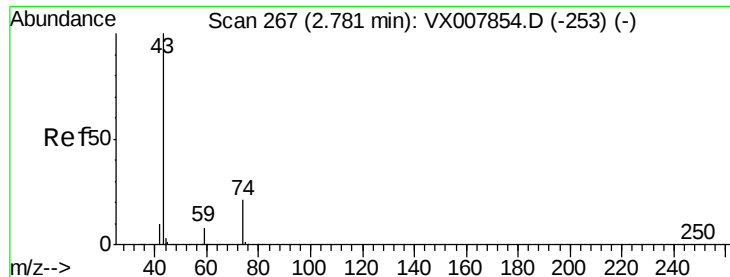
Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
58 35.7 25.5 38.3



#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 76 Resp: 5319
Ion Ratio Lower Upper
76 100
78 6.4 7.2 10.8#

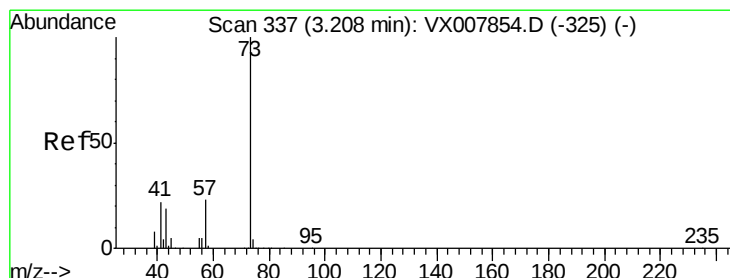
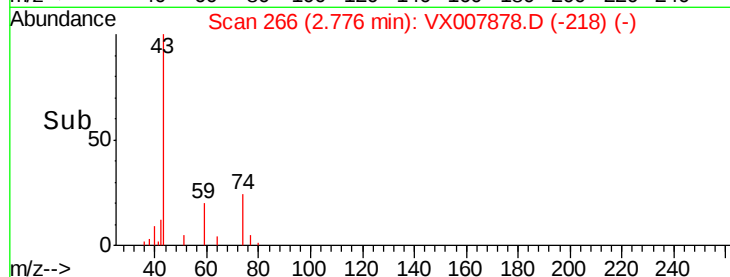
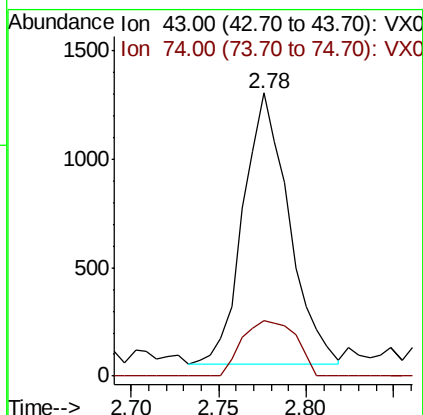
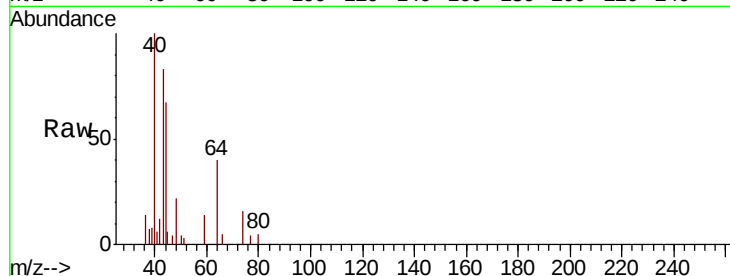




#18
Methyl Acetate
Concen: 0.614 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

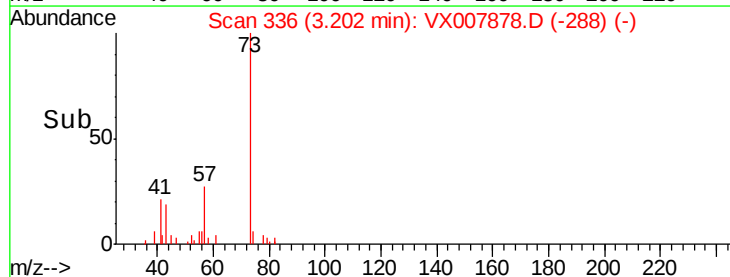
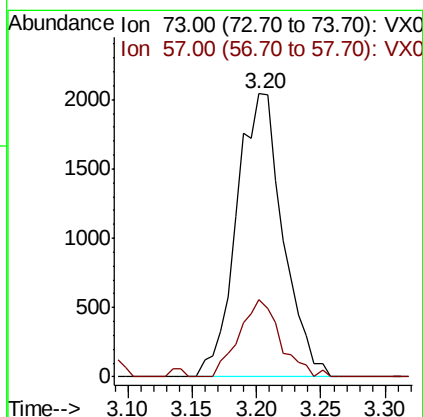
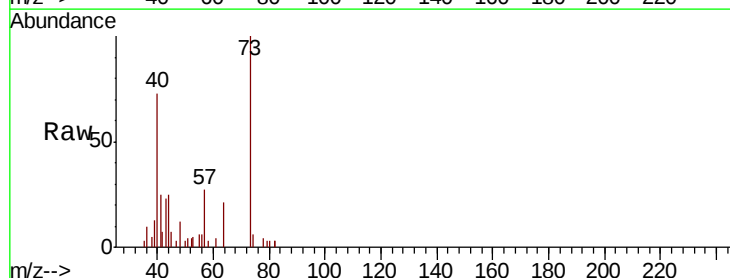
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

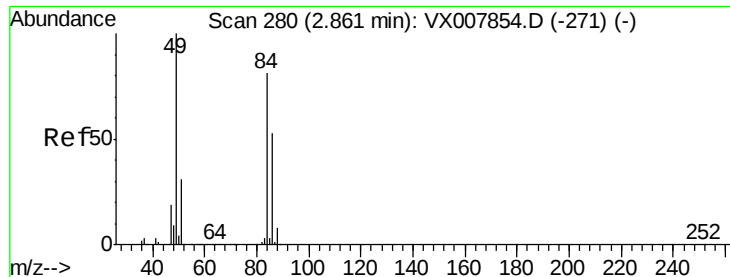
Tgt Ion: 43 Resp: 2284
Ion Ratio Lower Upper
43 100
74 23.9 17.8 26.6



#19
Methyl tert-butyl Ether
Concen: 0.606 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 73 Resp: 5091
Ion Ratio Lower Upper
73 100
57 27.3 18.2 27.4





#20

Methylene Chloride

Concen: 0.760 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 84 Resp: 2119

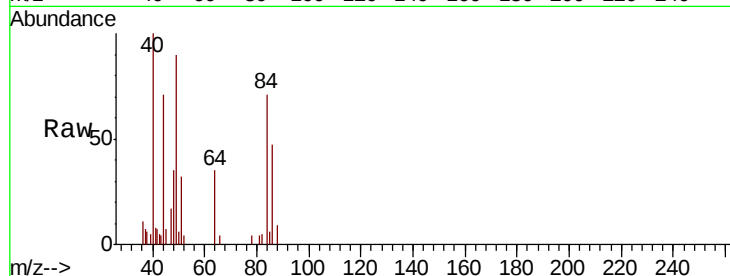
Ion Ratio Lower Upper

84 100

49 125.6 99.3 148.9

51 45.0 31.3 46.9

86 66.3 52.6 79.0

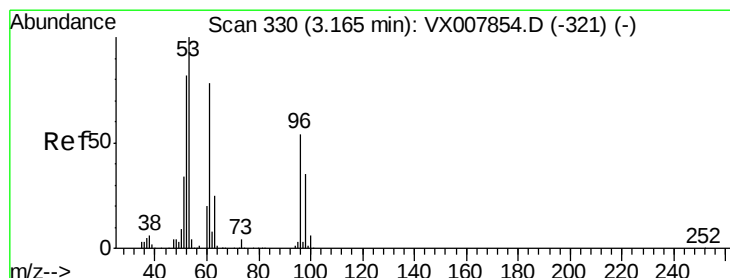
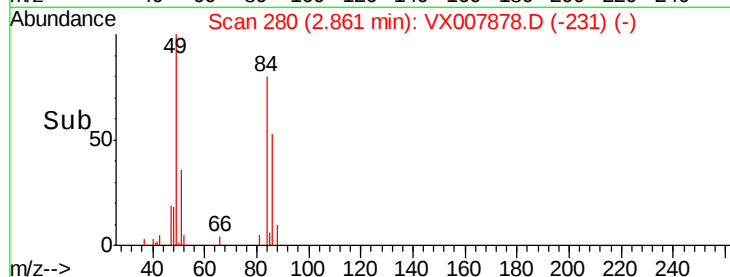
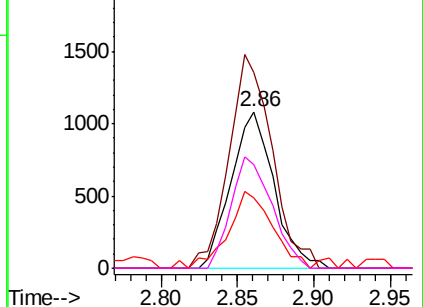


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.582 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

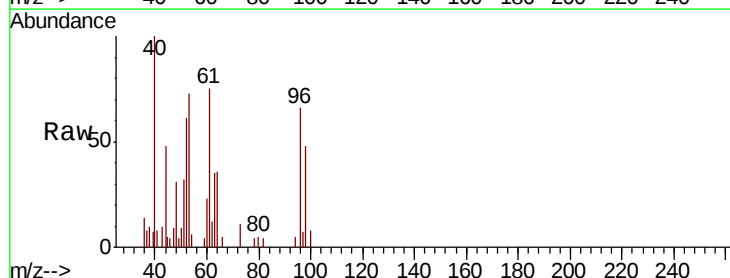
Tgt Ion: 96 Resp: 1564

Ion Ratio Lower Upper

96 100

61 115.1 114.4 171.6

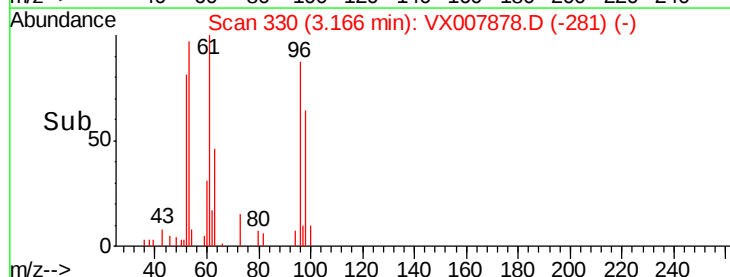
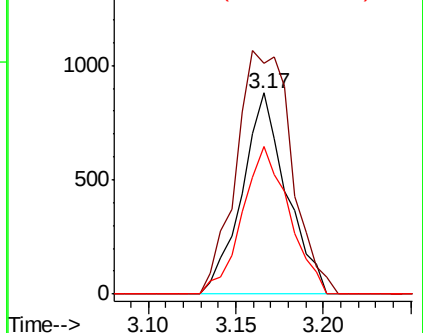
98 73.2 51.1 76.7

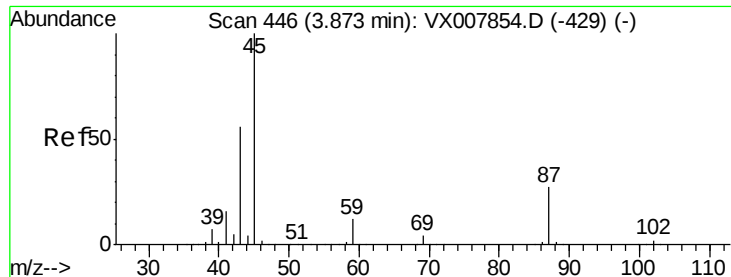


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

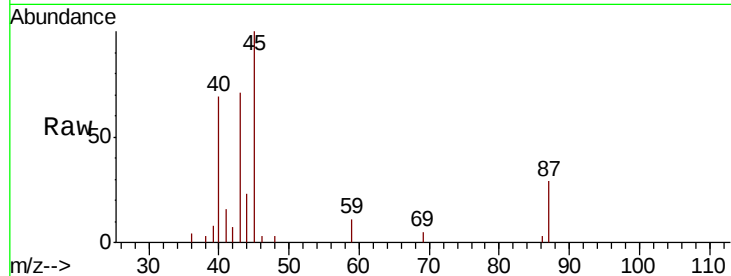




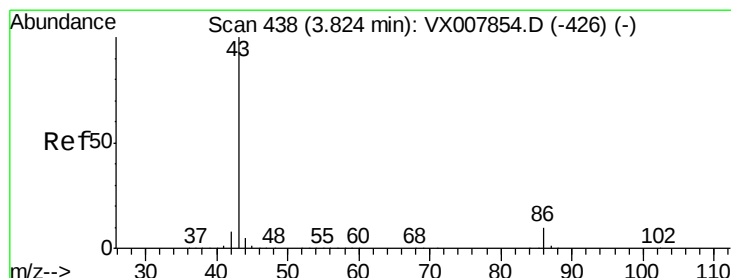
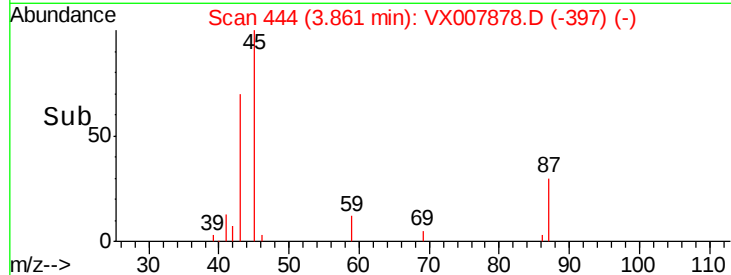
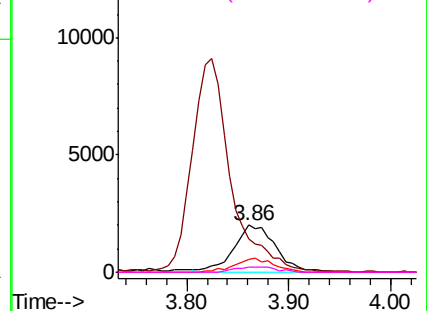
#22
Diisopropyl ether
Concen: 0.620 ug/l
RT: 3.86 min Scan# 444
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 45 Resp: 5832
Ion Ratio Lower Upper
45 100
43 68.0 45.3 67.9#
87 28.5 21.4 32.0
59 11.0 9.5 14.3

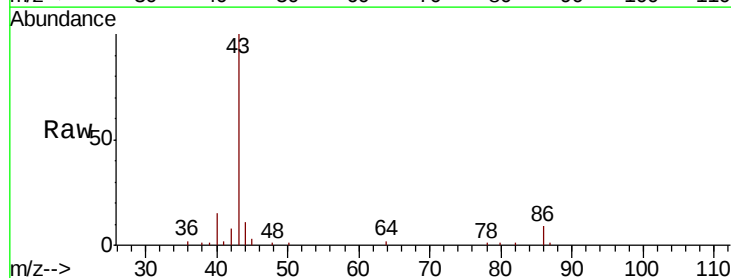


Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

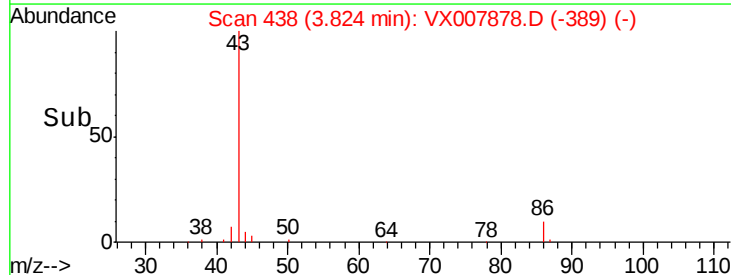
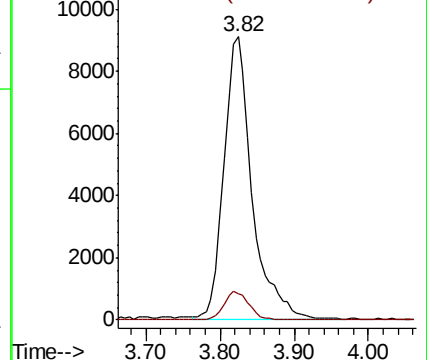


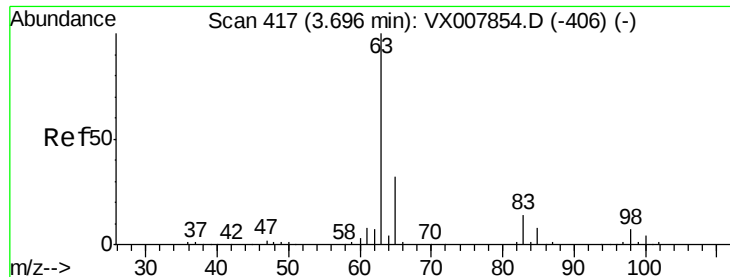
#23
Vinyl Acetate
Concen: 2.936 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 43 Resp: 24207
Ion Ratio Lower Upper
43 100
86 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 0.614 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

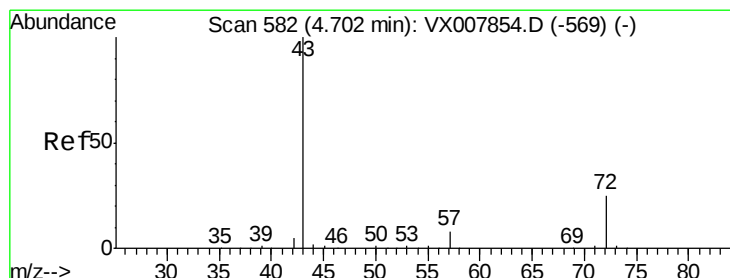
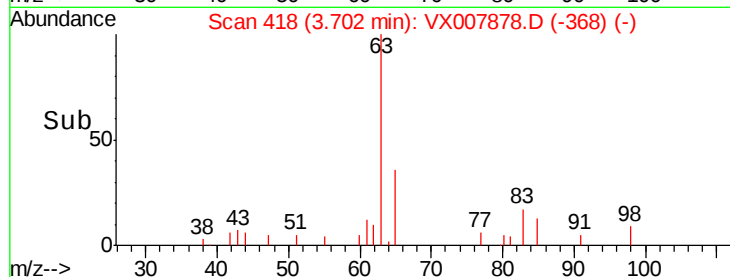
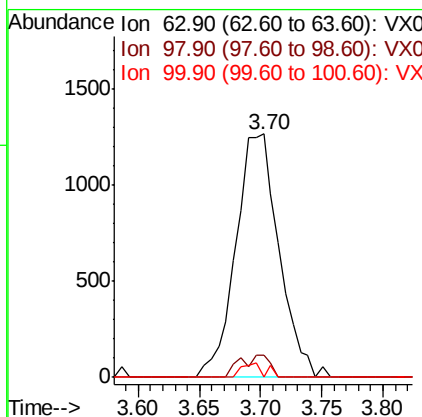
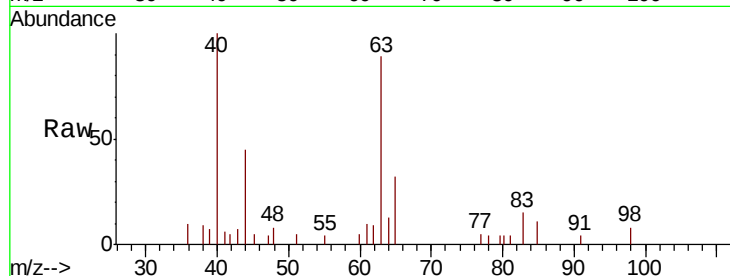
Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

Tgt Ion:	63	Resp:	3107
Ion	Ratio	Lower	Upper
63	100		
98	9.2	3.3	9.8
100	0.0	2.3	6.8#



#25

2-Butanone

Concen: 2.869 ug/l

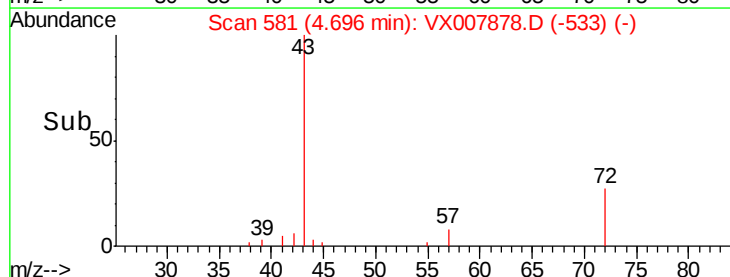
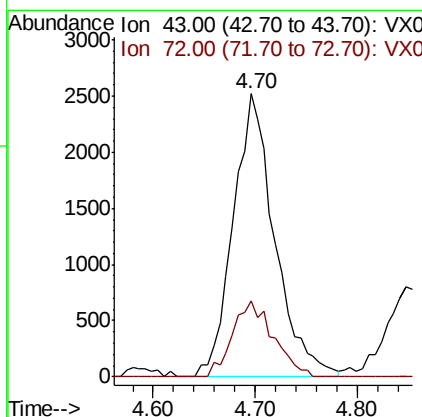
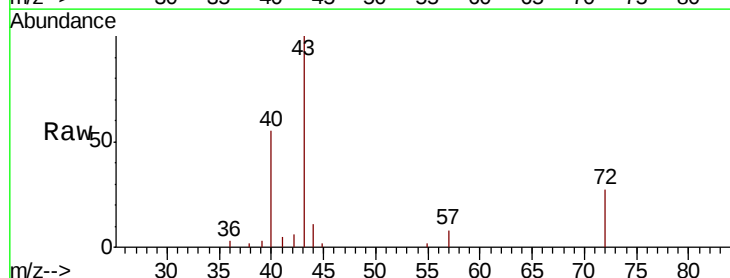
RT: 4.70 min Scan# 581

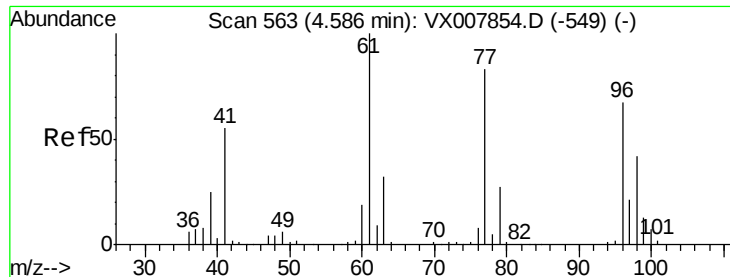
Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Tgt Ion:	43	Resp:	7114
Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.9	29.9

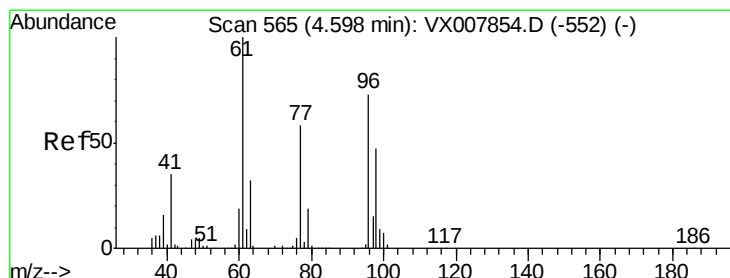
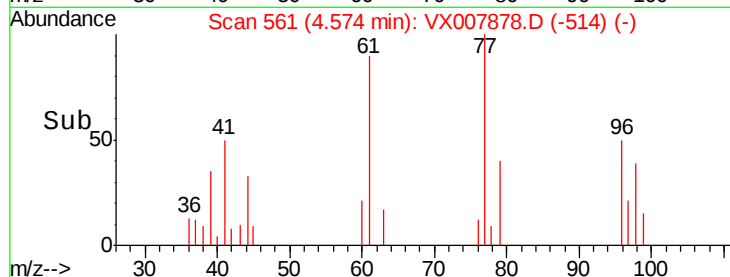
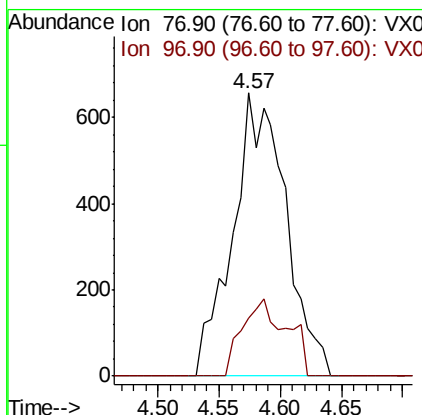
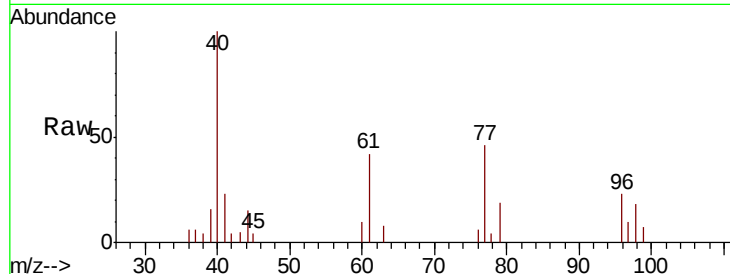




#26
 2,2-Dichloropropane
 Concen: 0.591 ug/l
 RT: 4.57 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

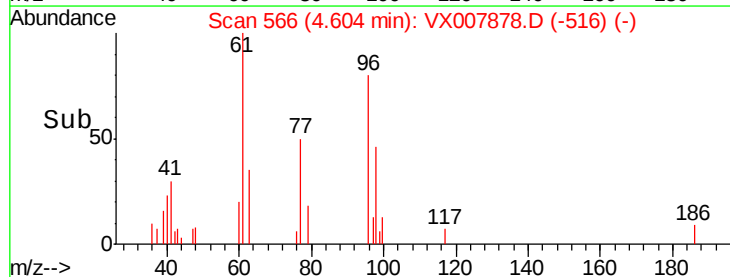
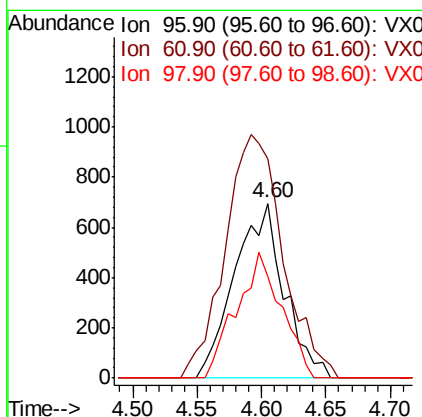
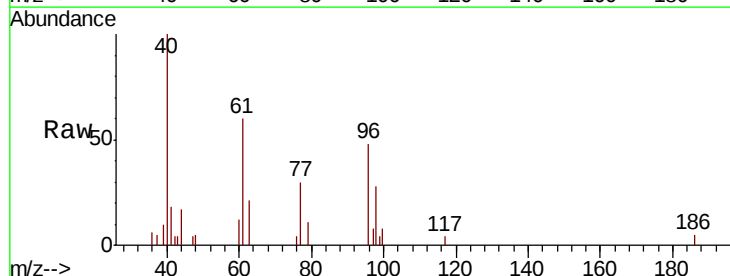
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

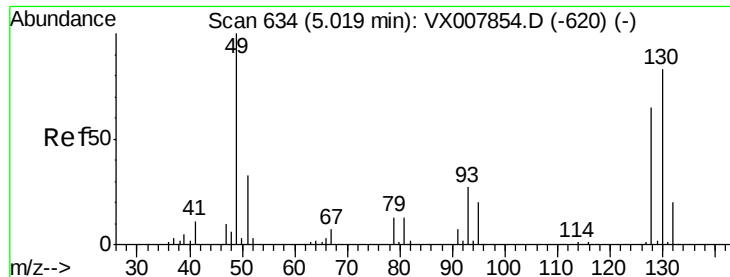
Tgt Ion: 77 Resp: 1981
 Ion Ratio Lower Upper
 77 100
 97 22.8 12.2 36.6



#27
 cis-1,2-Dichloroethene
 Concen: 0.606 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 96 Resp: 1863
 Ion Ratio Lower Upper
 96 100
 61 162.2 0.0 288.0
 98 64.9 0.0 129.0

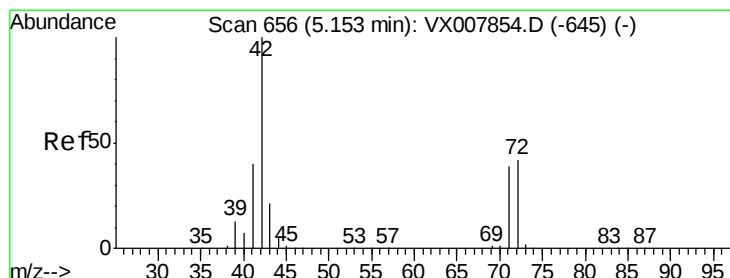
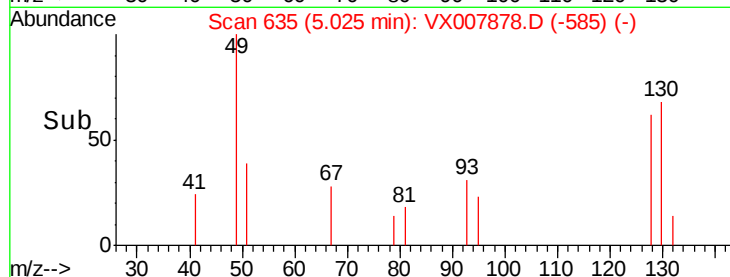
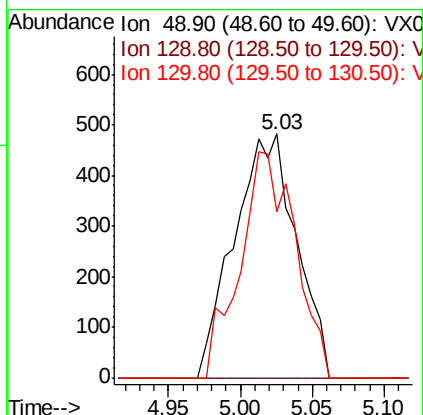
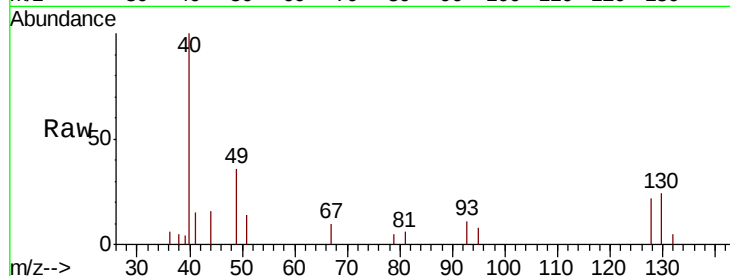




#28
Bromochloromethane
Concen: 0.611 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

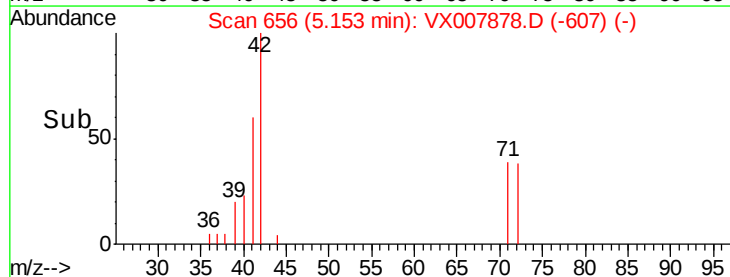
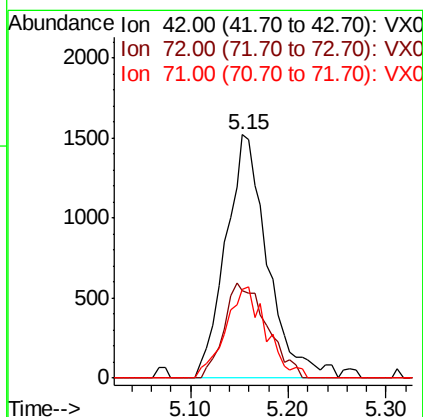
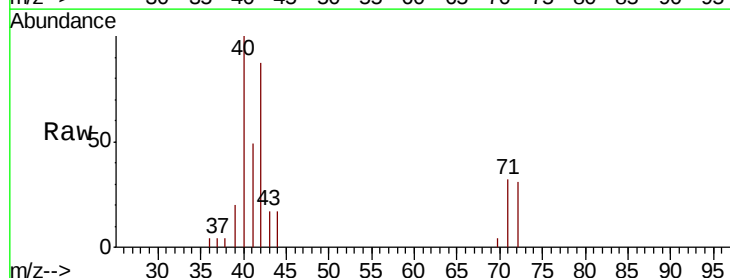
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

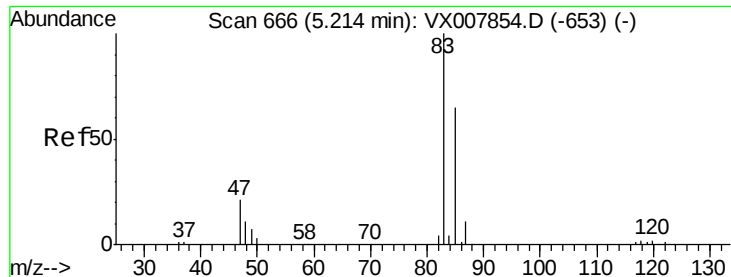
Tgt Ion: 49 Resp: 1442
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 82.3 65.0 97.4



#29
Tetrahydrofuran
Concen: 2.924 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 42 Resp: 4523
Ion Ratio Lower Upper
42 100
72 39.7 33.8 50.6
71 36.5 31.5 47.3

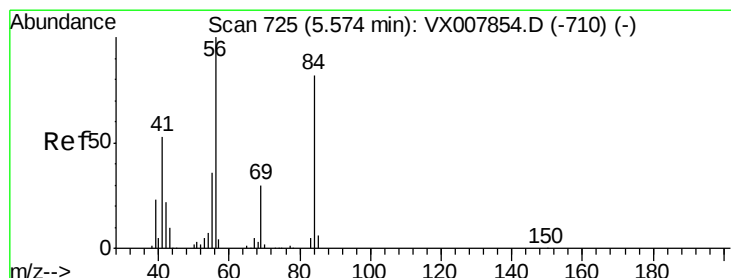
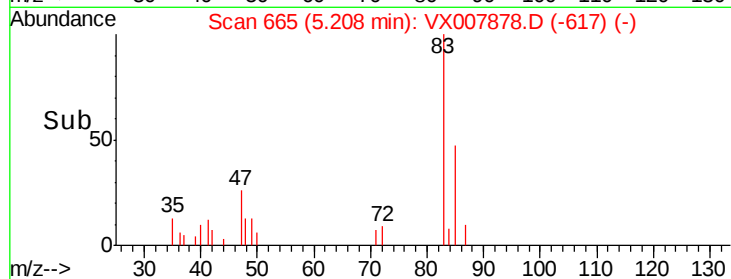
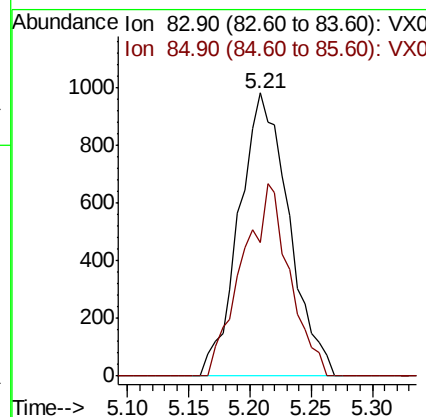
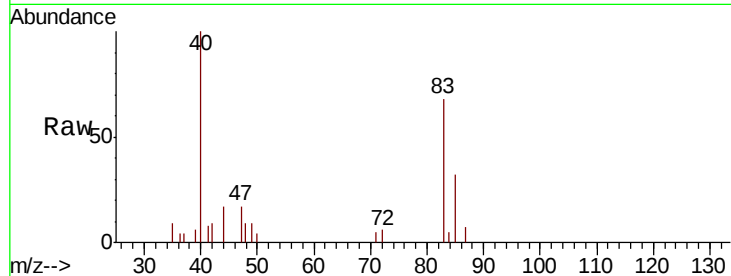




#30
Chloroform
Concen: 0.579 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

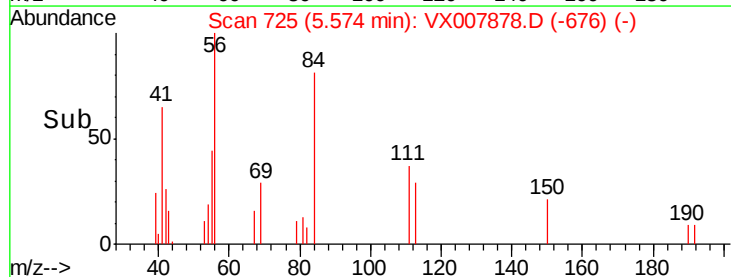
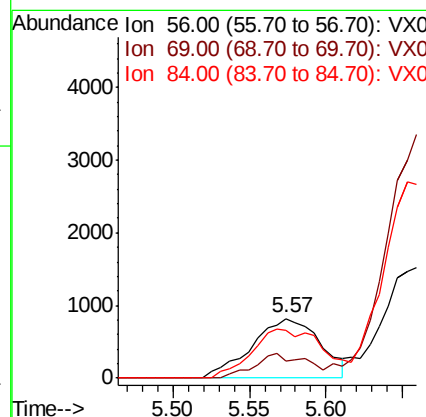
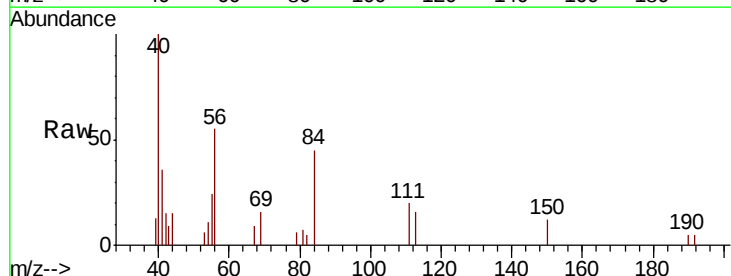
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

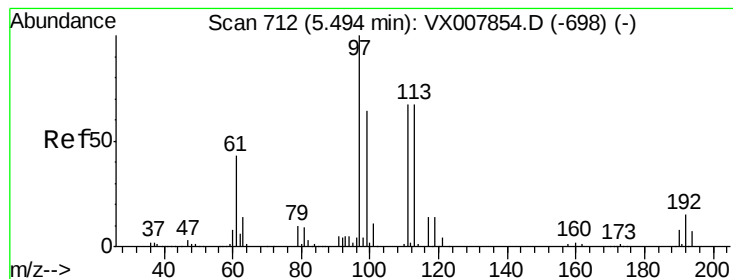
Tgt Ion: 83 Resp: 2773
Ion Ratio Lower Upper
83 100
85 47.2 51.8 77.6#



#31
Cyclohexane
Concen: 0.547 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 56 Resp: 2544
Ion Ratio Lower Upper
56 100
69 29.2 24.0 36.0
84 81.2 65.3 97.9





#32

1,1,1-Trichloroethane

Concen: 0.576 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

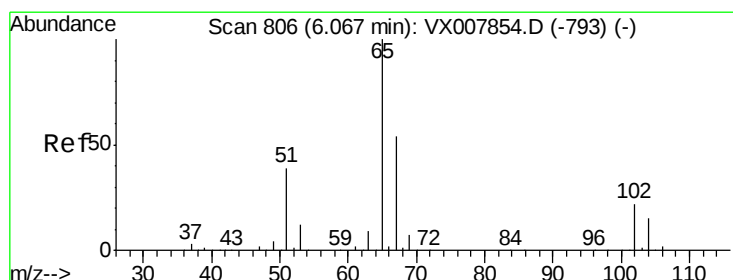
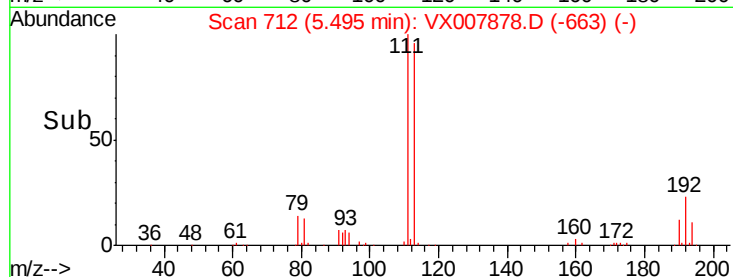
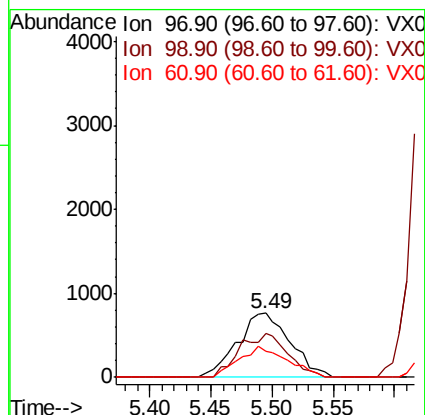
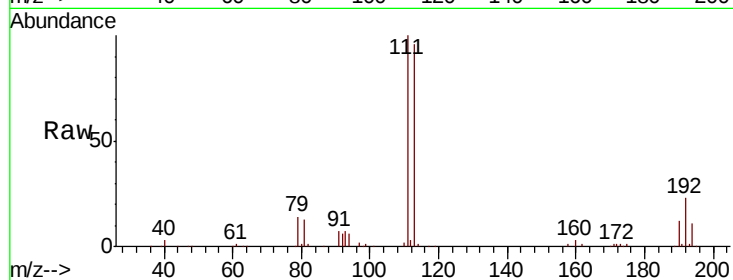
Tgt Ion: 97 Resp: 2288

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 43.7 34.9 52.3



#33

1,2-Dichloroethane-d4

Concen: 51.431 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007878.D

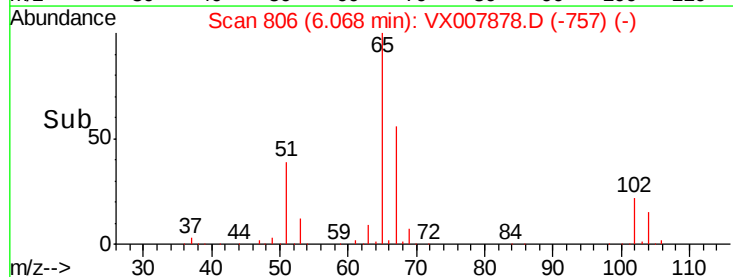
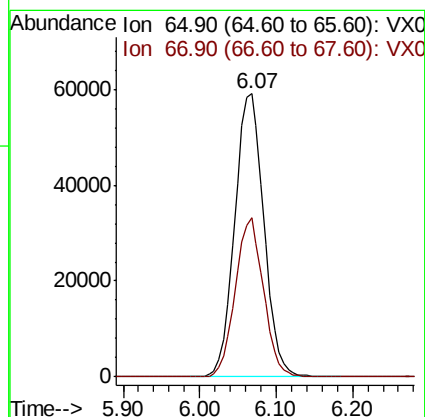
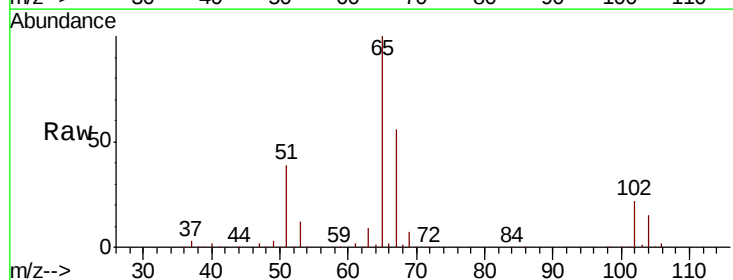
Acq: 07 Mar 2019 12:36

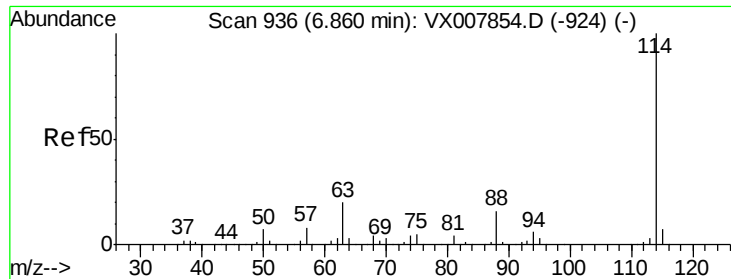
Tgt Ion: 65 Resp: 155650

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.0

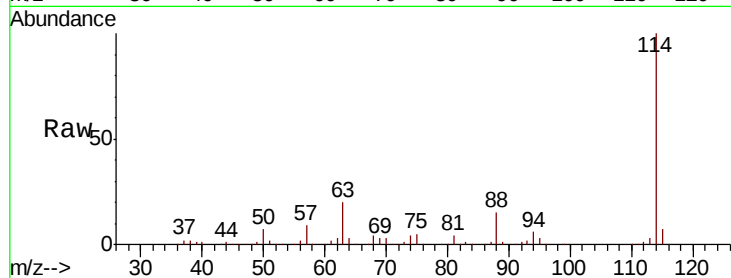




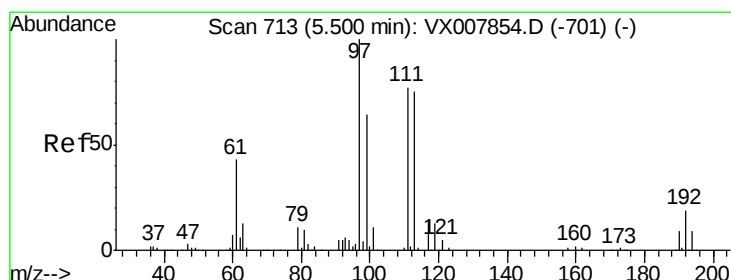
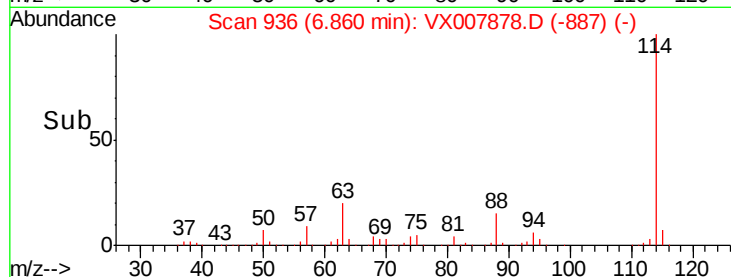
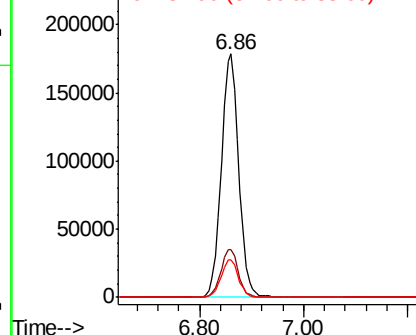
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

Tgt Ion:114 Resp: 419072
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.3 0.0 31.4

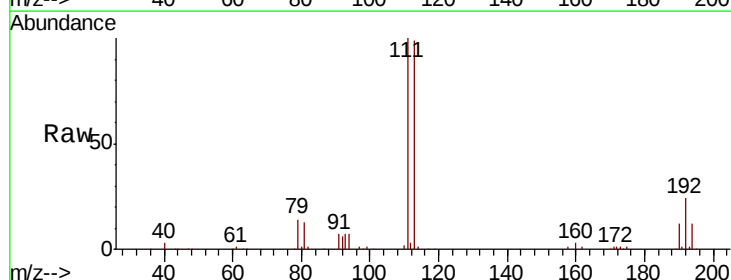


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

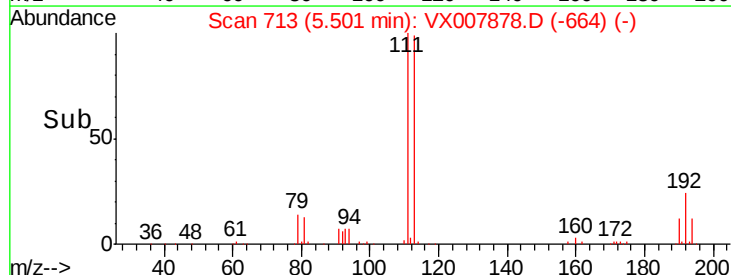
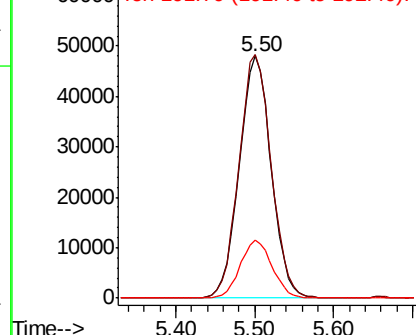


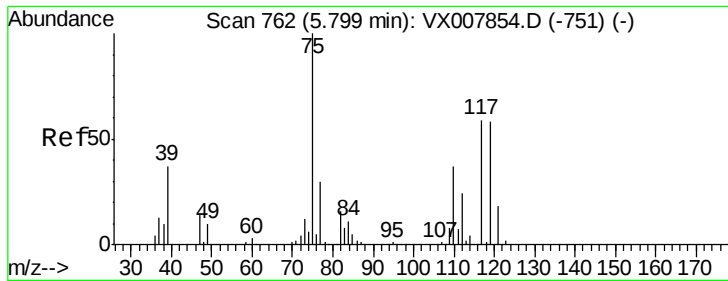
#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion:113 Resp: 134701
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 24.0 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

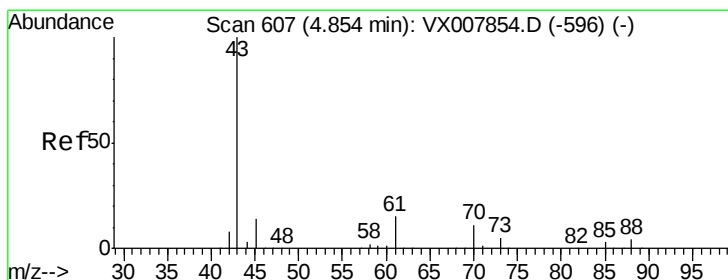
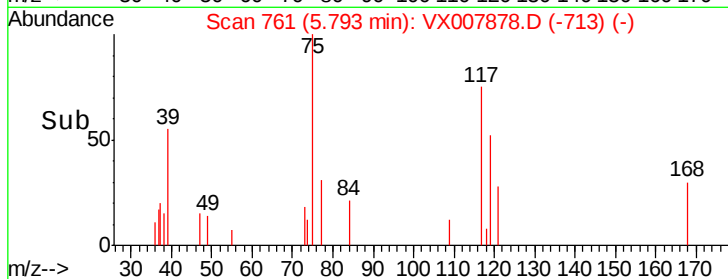
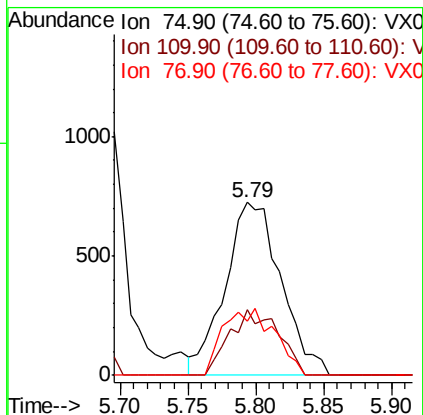
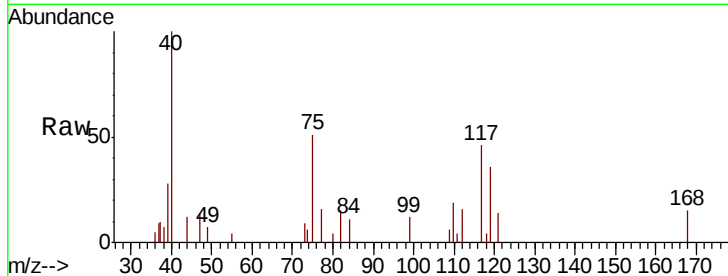




#36
 1,1-Dichloropropene
 Concen: 0.548 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

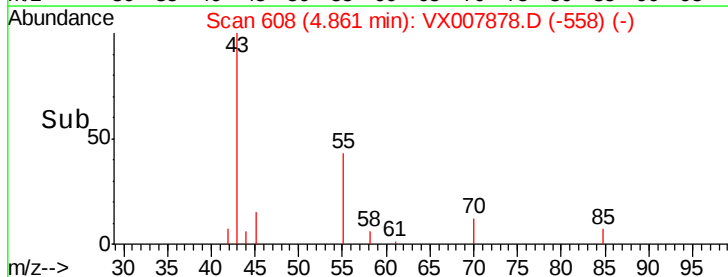
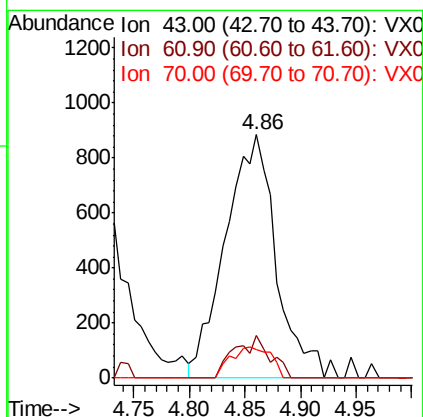
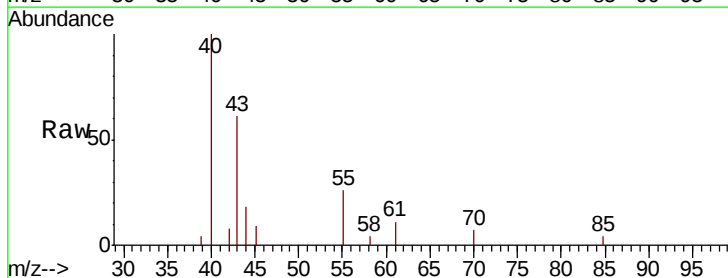
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

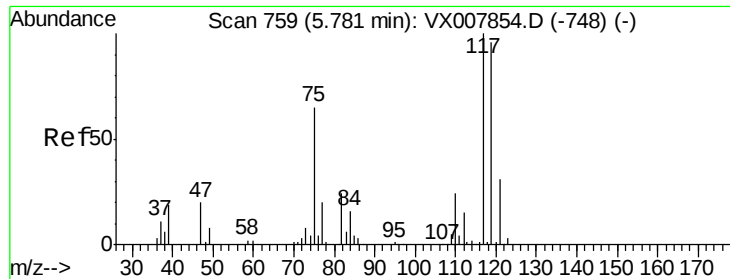
Tgt Ion: 75 Resp: 2081
 Ion Ratio Lower Upper
 75 100
 110 33.2 18.4 55.0
 77 35.4 25.0 37.4



#37
 Ethyl Acetate
 Concen: 0.624 ug/l
 RT: 4.86 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 43 Resp: 2809
 Ion Ratio Lower Upper
 43 100
 61 12.0 11.3 16.9
 70 10.0 8.5 12.7

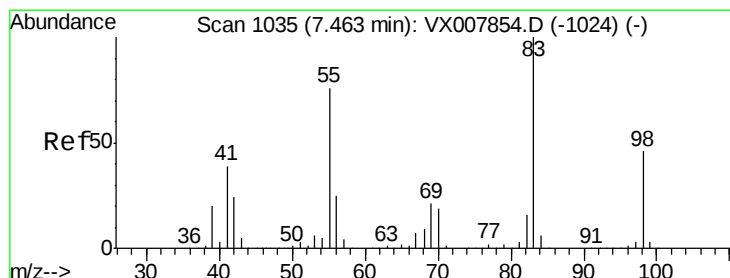
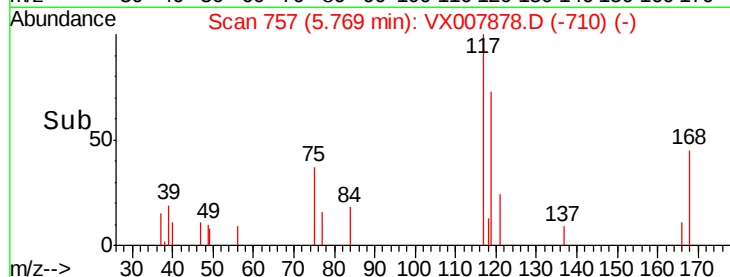
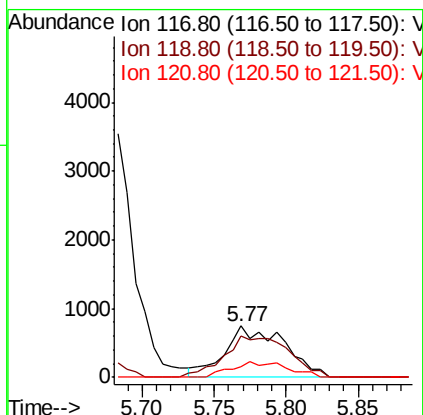
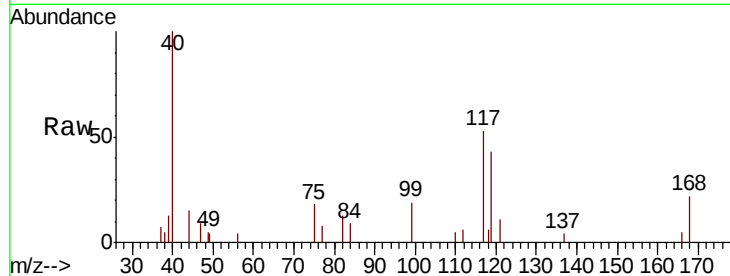




#38
Carbon Tetrachloride
Concen: 0.593 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

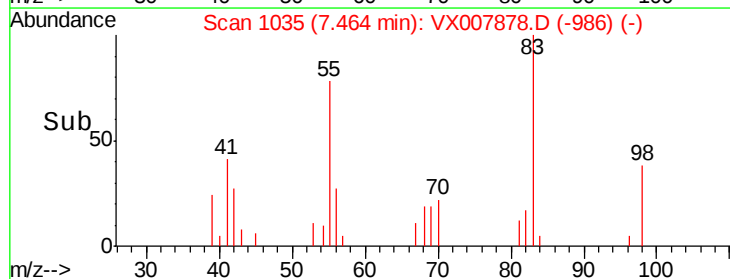
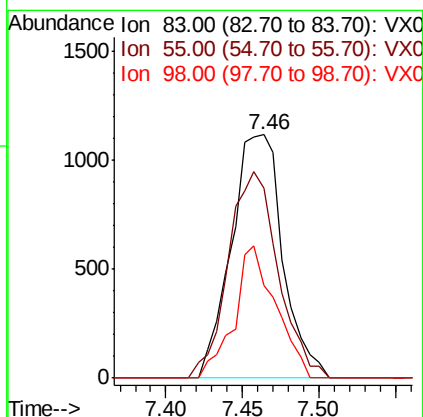
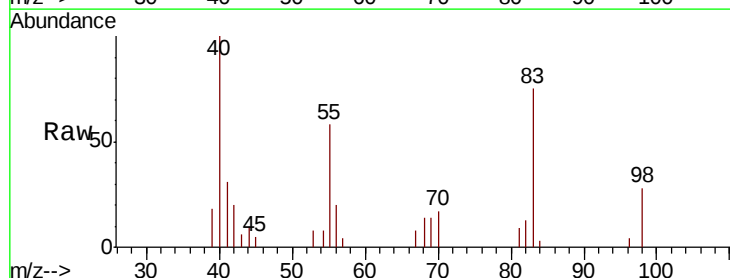
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

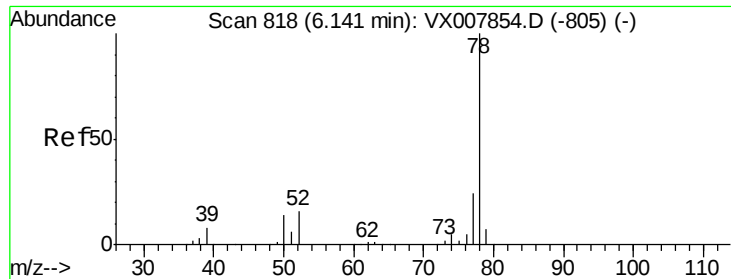
Tgt Ion:117 Resp: 2137
Ion Ratio Lower Upper
117 100
119 80.9 76.2 114.2
121 21.8 24.6 36.8#



#39
Methylcyclohexane
Concen: 0.568 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 83 Resp: 2610
Ion Ratio Lower Upper
83 100
55 77.7 60.4 90.6
98 37.9 36.5 54.7





#40

Benzene

Concen: 0.576 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

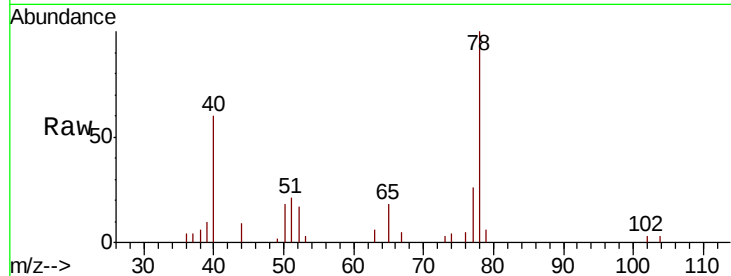
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 78 Resp: 6504

Ion Ratio Lower Upper

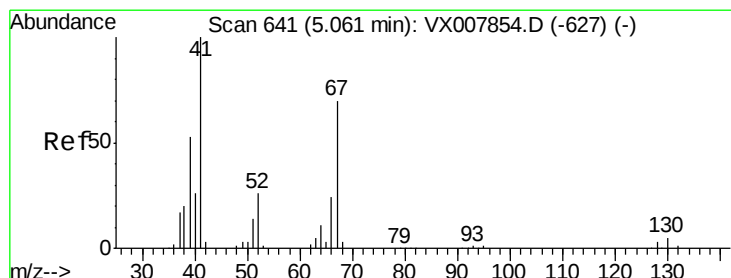
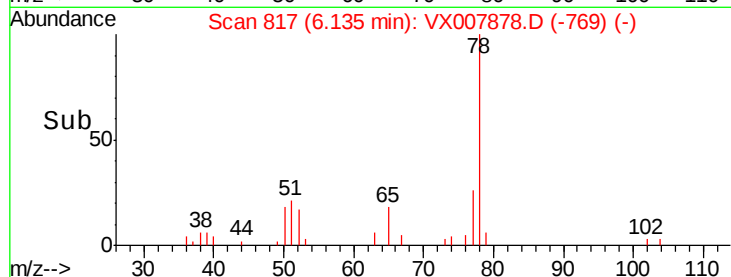
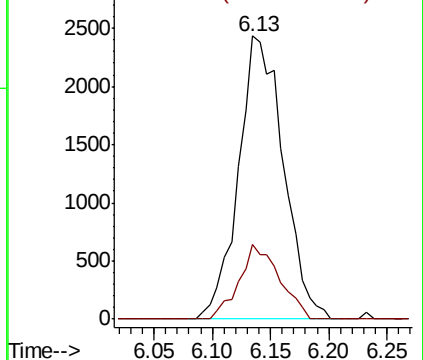
78 100

77 26.4 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.670 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Tgt Ion: 41 Resp: 1644

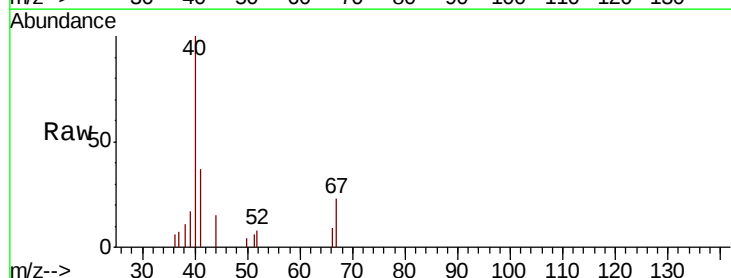
Ion Ratio Lower Upper

41 100

39 52.9 41.6 62.4

67 61.0 55.8 83.6

52 27.2 21.7 32.5

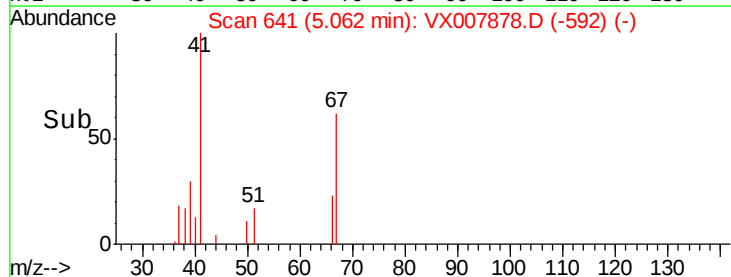
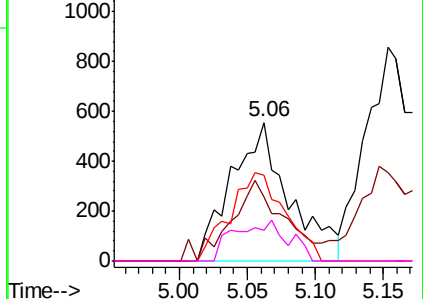


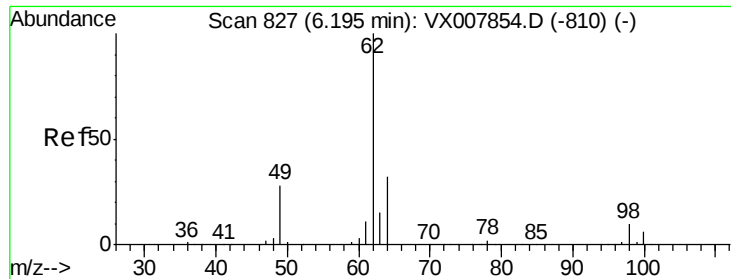
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

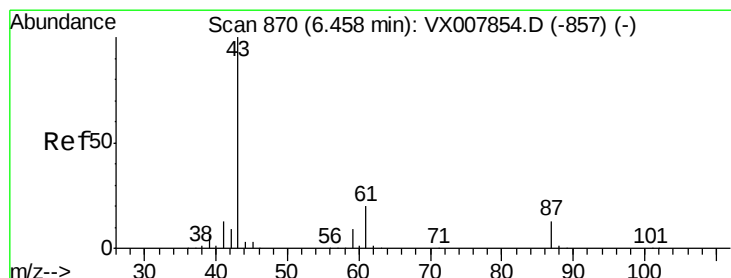
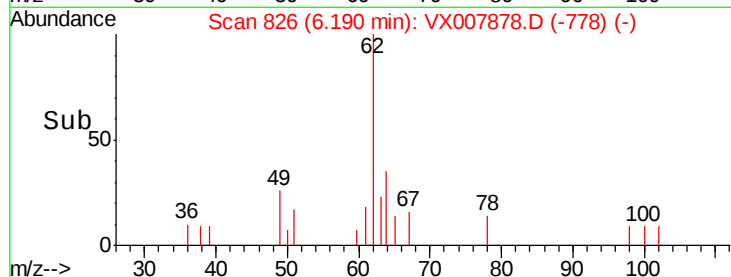
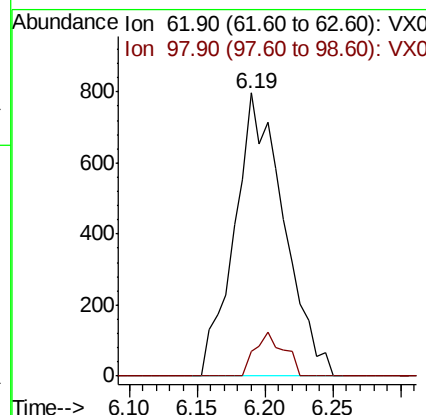
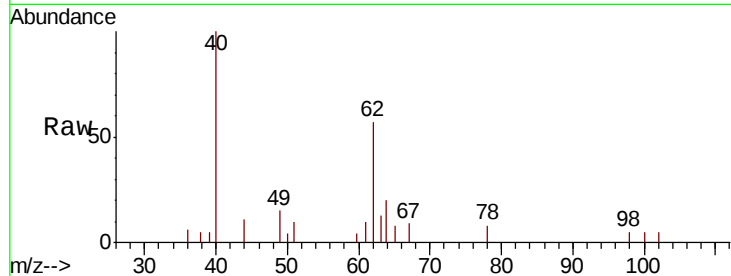




#42
 1,2-Dichloroethane
 Concen: 0.545 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

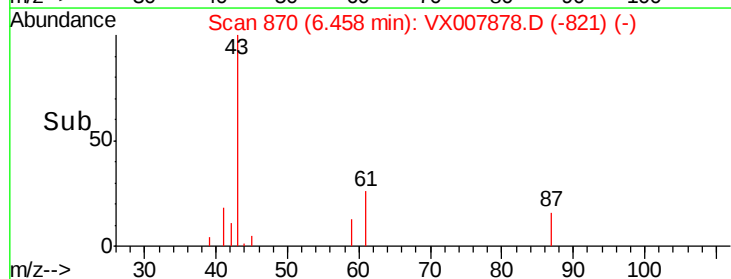
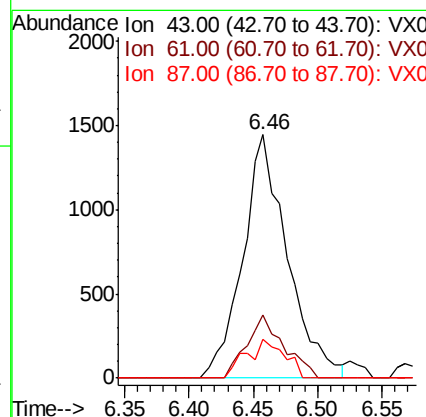
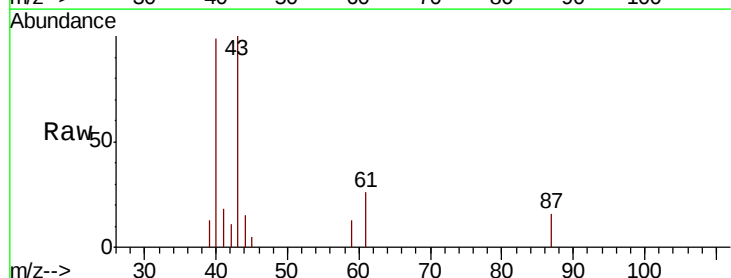
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

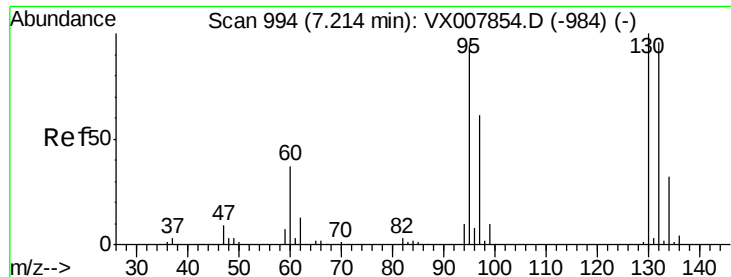
Tgt Ion: 62 Resp: 2012
 Ion Ratio Lower Upper
 62 100
 98 9.2 0.0 20.4



#43
 Isopropyl Acetate
 Concen: 0.522 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 43 Resp: 3477
 Ion Ratio Lower Upper
 43 100
 61 21.6 16.3 24.5
 87 13.6 10.5 15.7





#44

Trichloroethene

Concen: 0.611 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

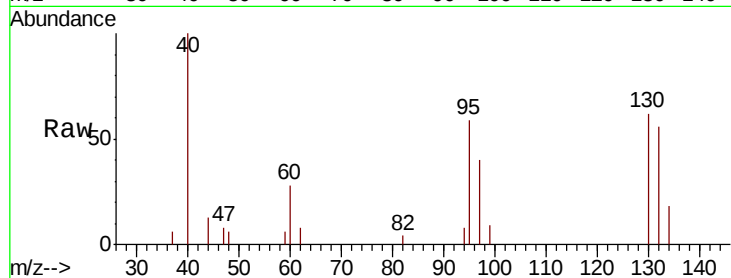
MDL-MDL-WATER-03-QT1-2019

Tgt Ion:130 Resp: 1902

Ion Ratio Lower Upper

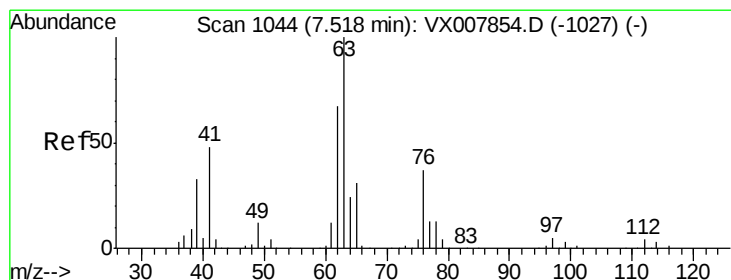
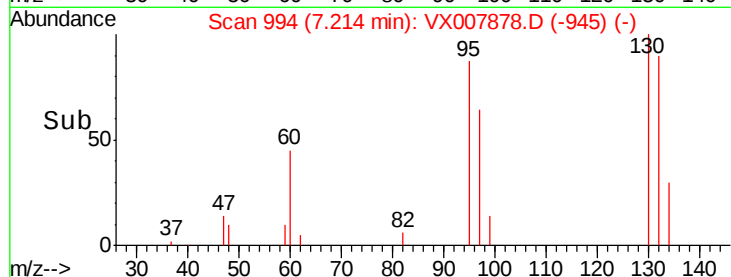
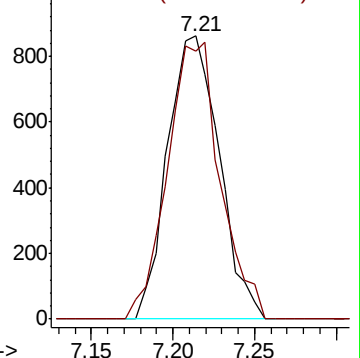
130 100

95 94.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.524 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007878.D

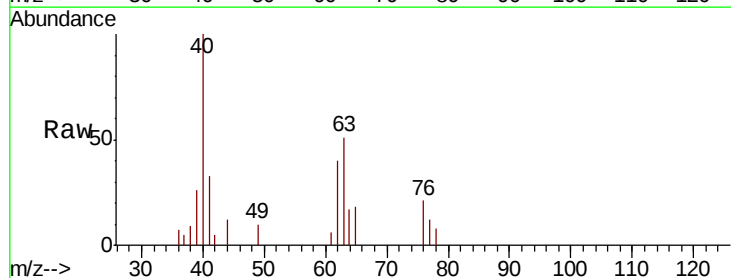
Acq: 07 Mar 2019 12:36

Tgt Ion: 63 Resp: 1562

Ion Ratio Lower Upper

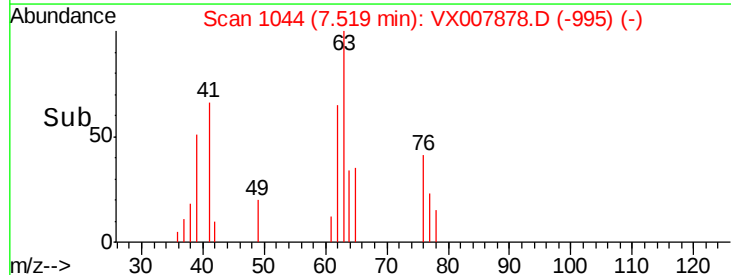
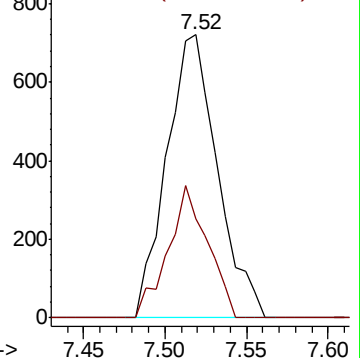
63 100

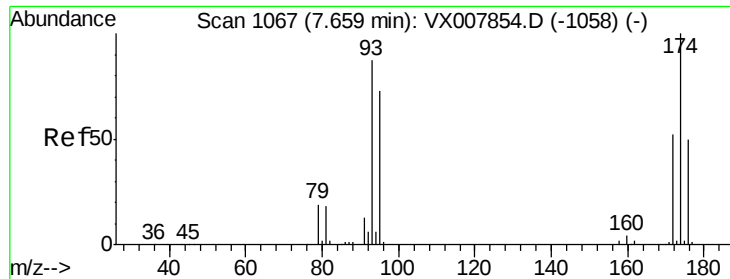
65 34.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

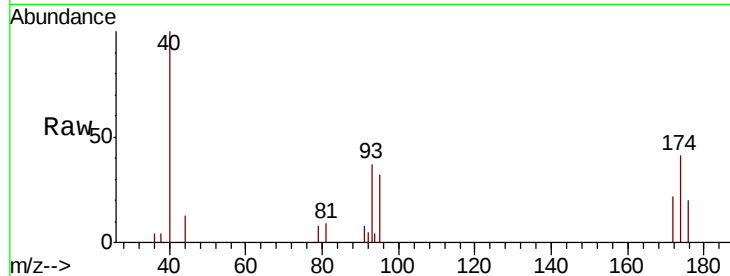




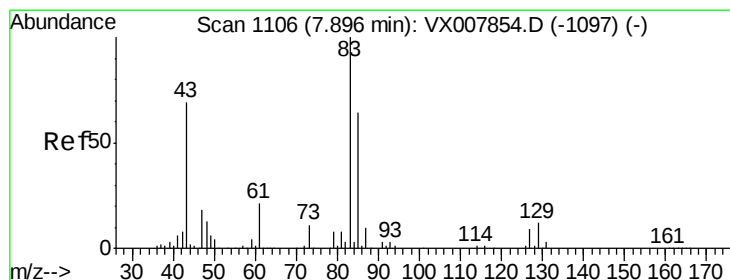
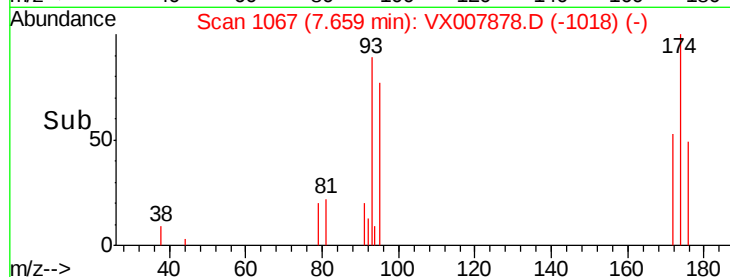
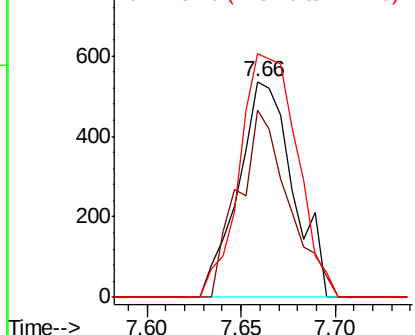
#46
Dibromomethane
Concen: 0.570 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 93 Resp: 1077
Ion Ratio Lower Upper
93 100
95 80.0 66.8 100.2
174 119.0 97.3 145.9

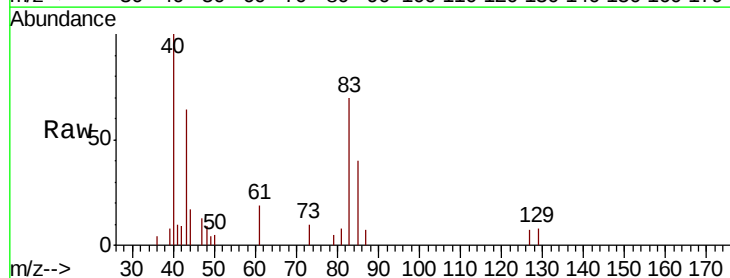


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

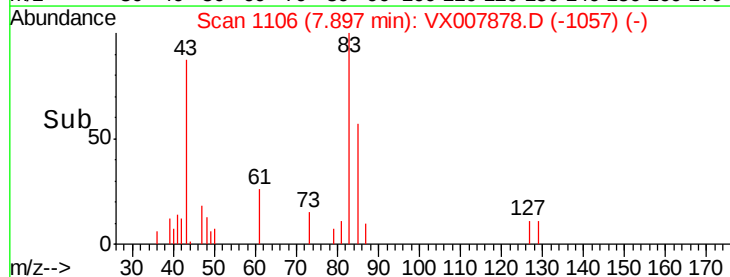
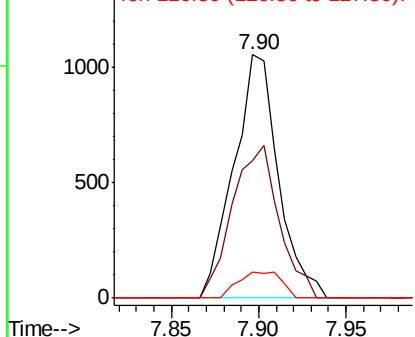


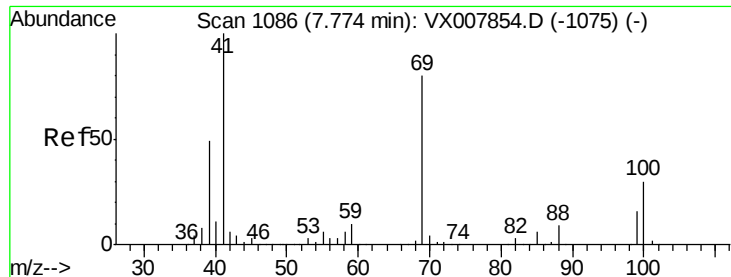
#47
Bromodichloromethane
Concen: 0.519 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 83 Resp: 1859
Ion Ratio Lower Upper
83 100
85 56.5 50.9 76.3
127 10.5 7.4 11.0



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

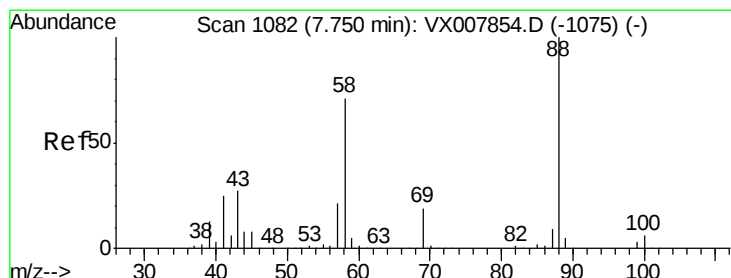
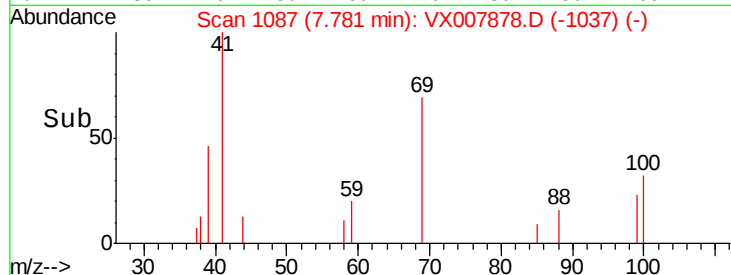
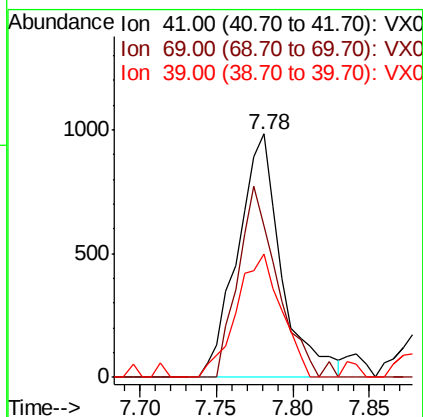
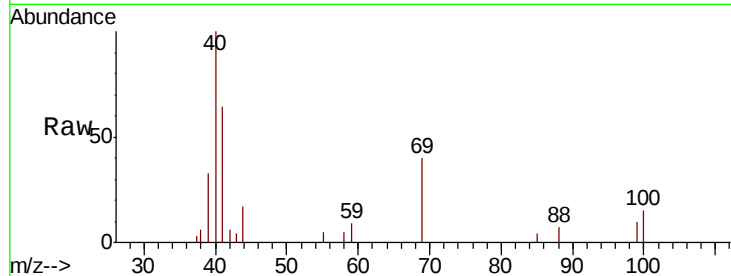




#48
Methyl methacrylate
Concen: 0.558 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

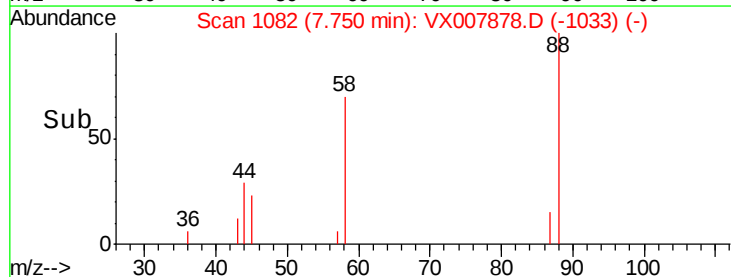
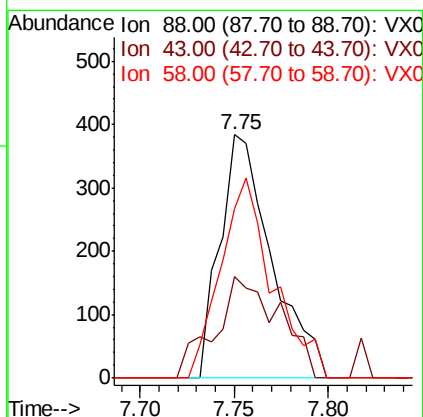
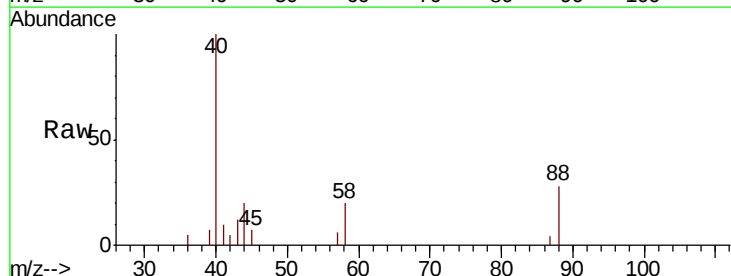
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

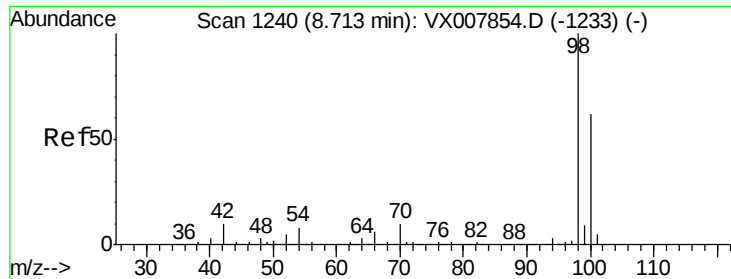
Tgt Ion: 41 Resp: 1954
Ion Ratio Lower Upper
41 100
69 70.5 65.2 97.8
39 51.9 39.4 59.2



#49
1,4-Dioxane
Concen: 10.156 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 88 Resp: 731
Ion Ratio Lower Upper
88 100
43 51.4 25.1 37.7#
58 82.8 57.8 86.6

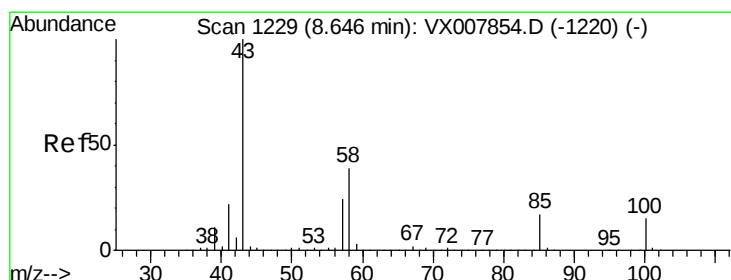
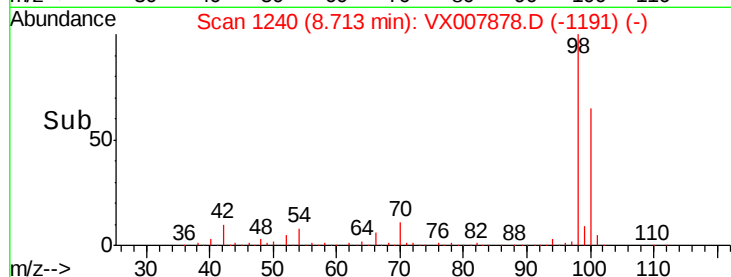
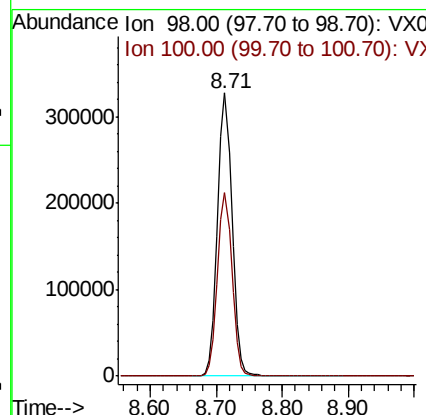
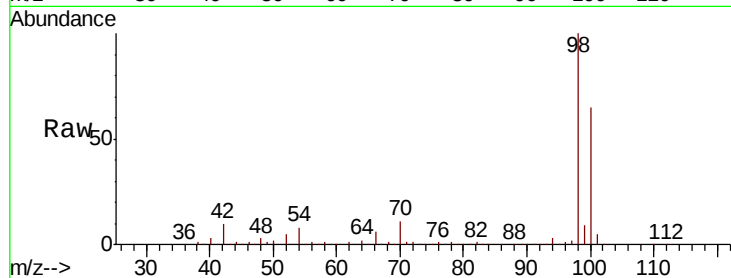




#50
Toluene-d8
Concen: 50.544 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

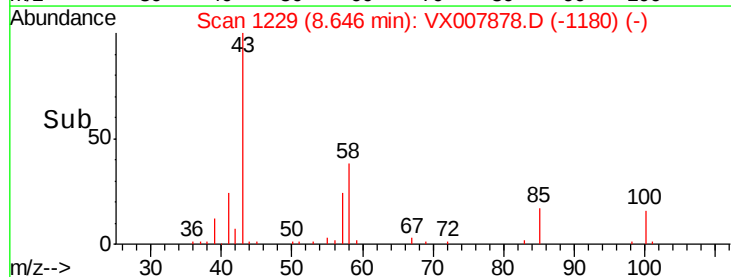
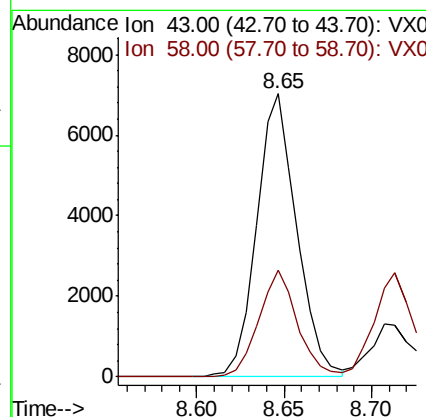
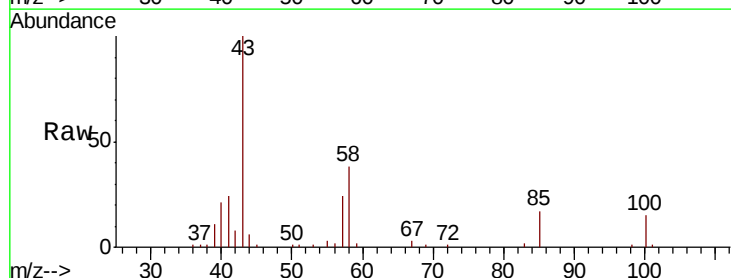
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

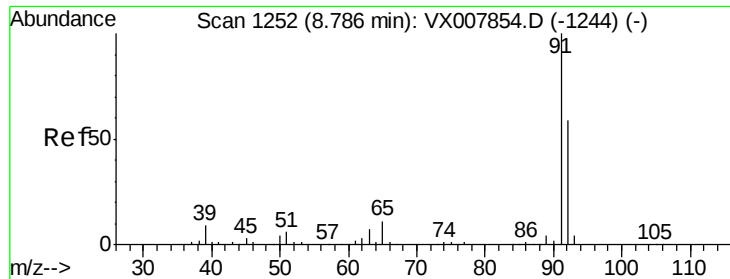
Tgt Ion: 98 Resp: 497602
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.602 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 43 Resp: 11151
Ion Ratio Lower Upper
43 100
58 36.8 31.3 46.9





#52

Toluene

Concen: 0.585 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

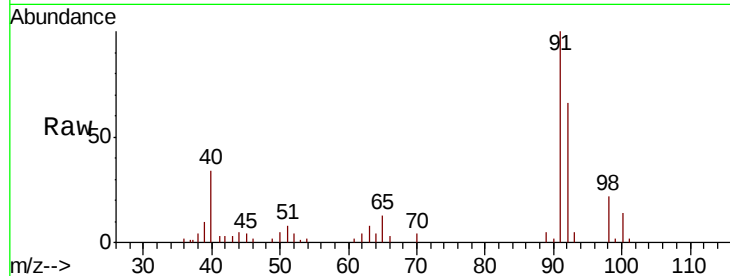
MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 92 Resp: 4032

Ion Ratio Lower Upper

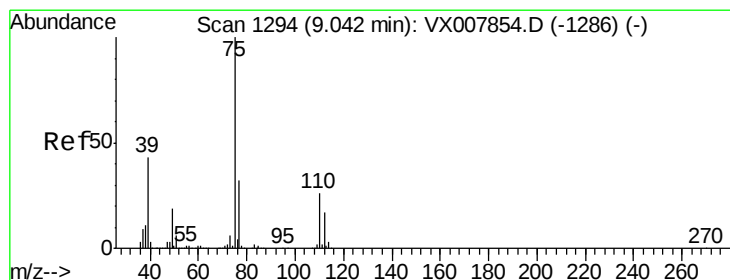
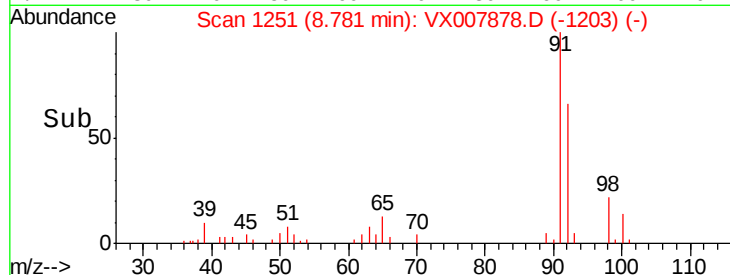
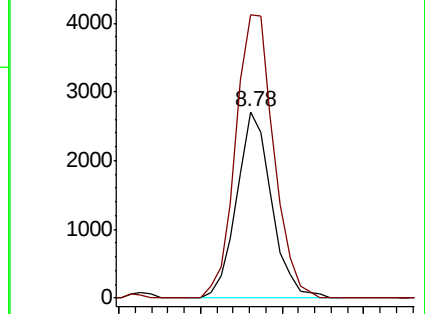
92 100

91 165.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX007854.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX007854.D (-1244) (-)



#53

t-1,3-Dichloropropene

Concen: 0.438 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007878.D

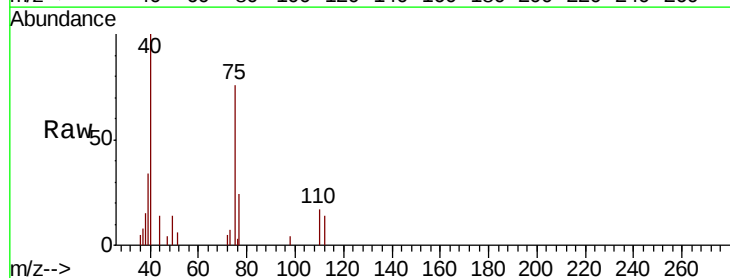
Acq: 07 Mar 2019 12:36

Tgt Ion: 75 Resp: 1635

Ion Ratio Lower Upper

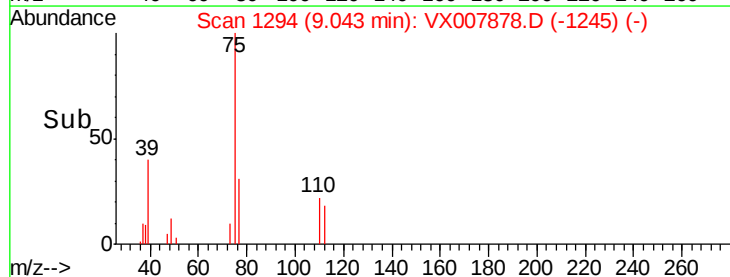
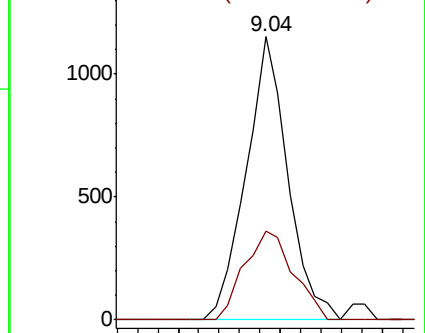
75 100

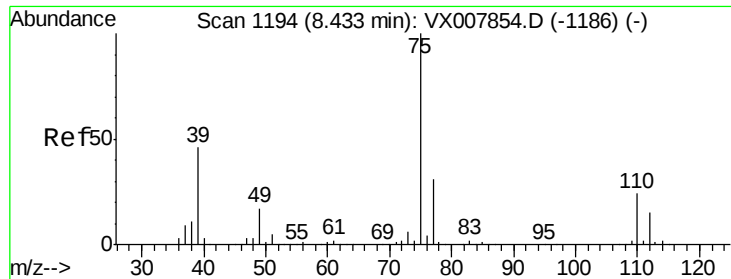
77 31.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX007854.D (-1286) (-)

Ion 76.90 (76.60 to 77.60): VX007854.D (-1286) (-)



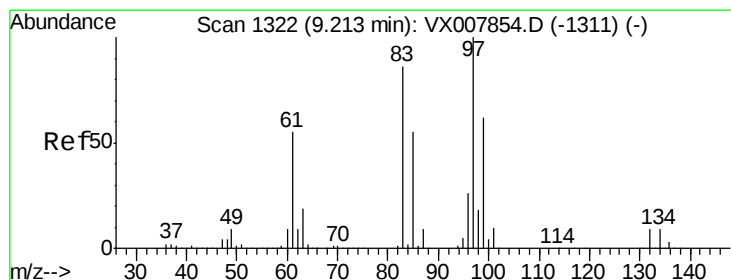
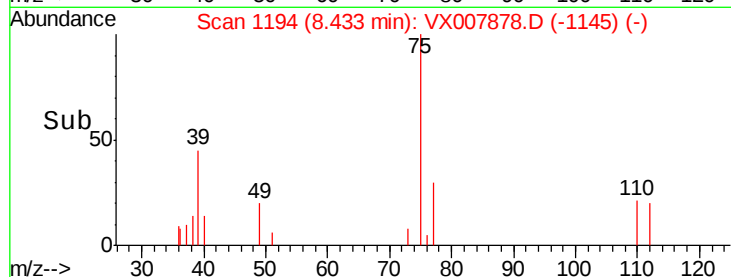
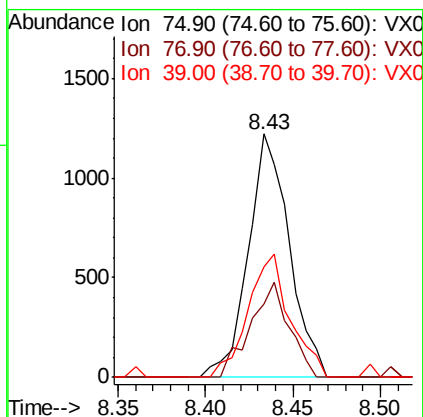
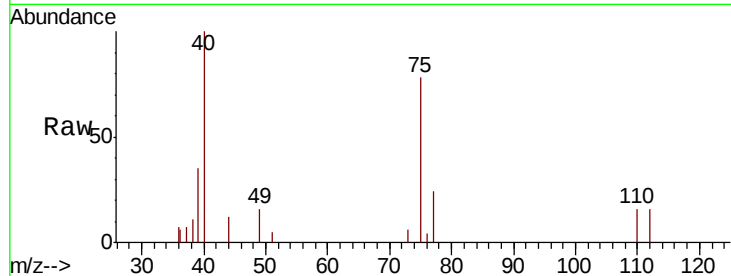


#54

cis-1,3-Dichloropropene
Concen: 0.471 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

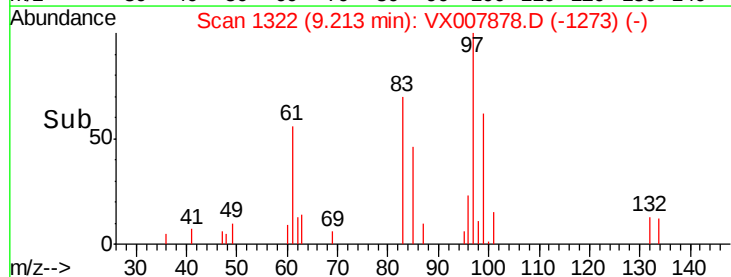
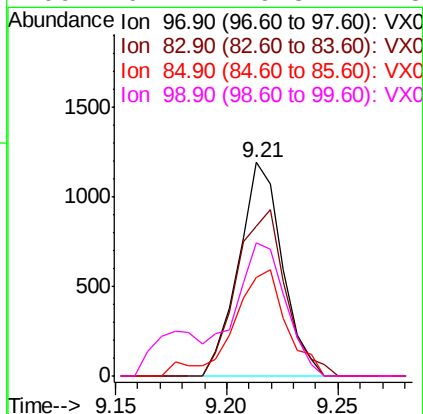
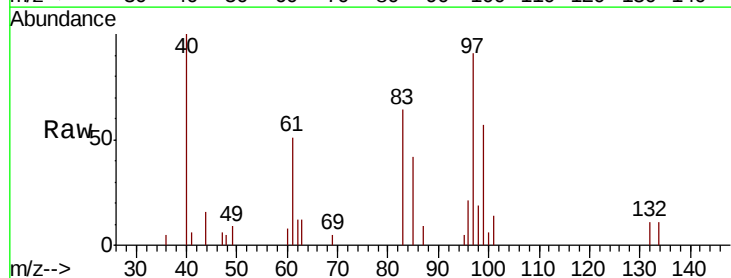
Tgt Ion: 75 Resp: 1987
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6
39 45.2 36.6 54.8

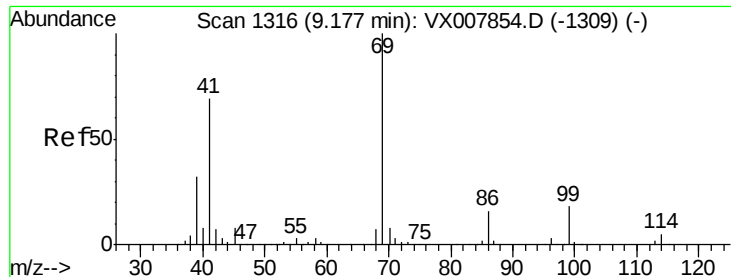


#55

1,1,2-Trichloroethane
Concen: 0.583 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 97 Resp: 1629
Ion Ratio Lower Upper
97 100
83 70.3 69.1 103.7
85 45.9 44.3 66.5
99 62.4 49.8 74.8





#56

Ethyl methacrylate

Concen: 0.486 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

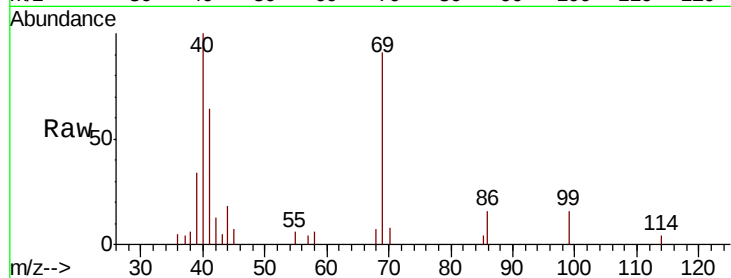
Tgt Ion: 69 Resp: 2038

Ion Ratio Lower Upper

69 100

41 72.1 54.2 81.4

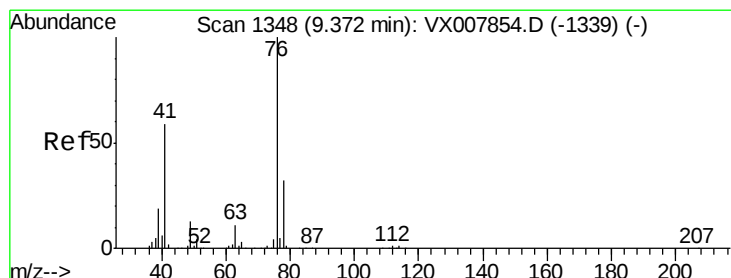
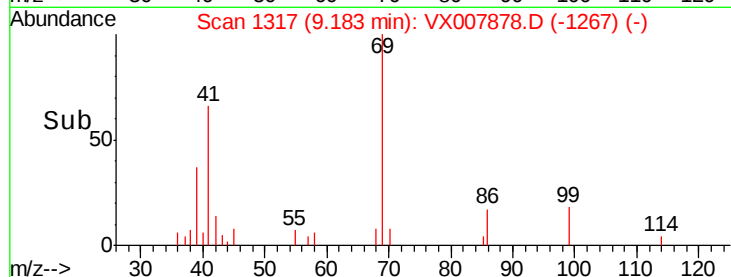
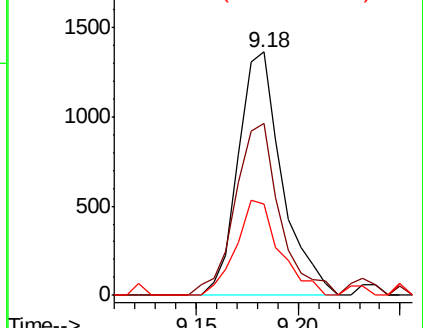
39 39.0 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.555 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007878.D

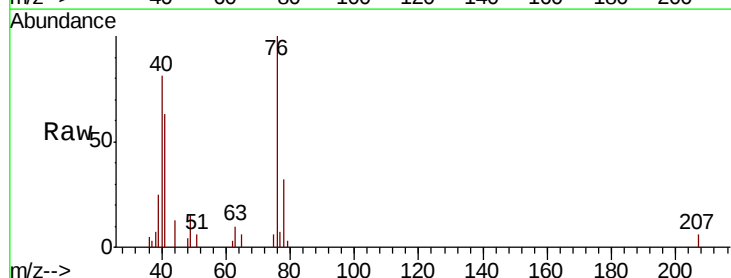
Acq: 07 Mar 2019 12:36

Tgt Ion: 76 Resp: 2601

Ion Ratio Lower Upper

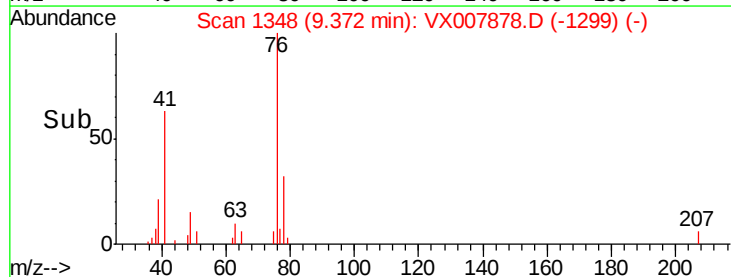
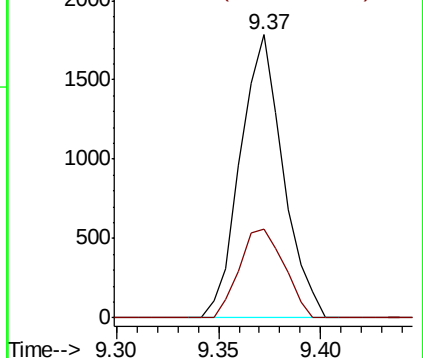
76 100

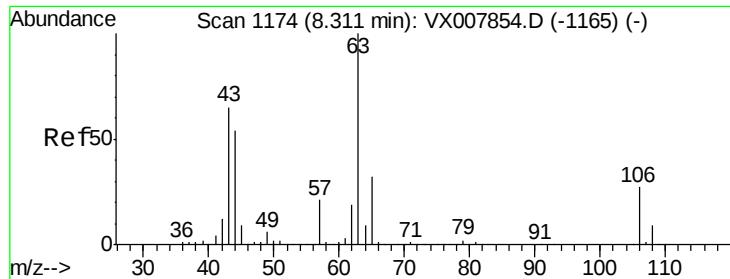
78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

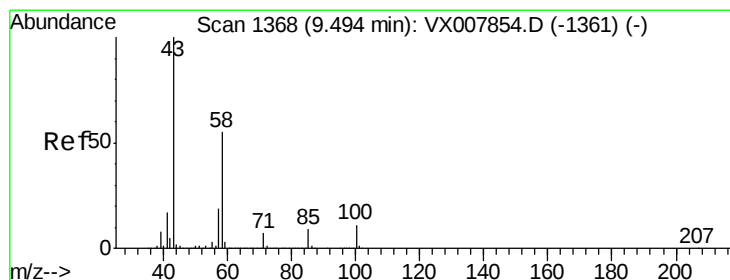
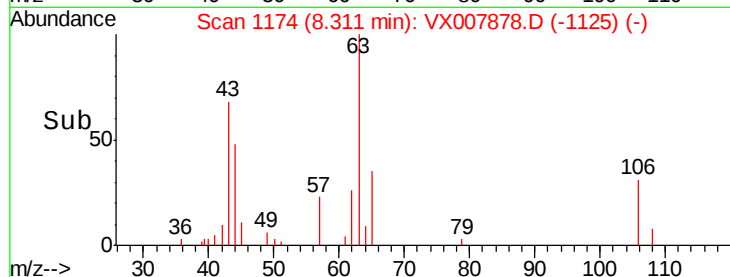
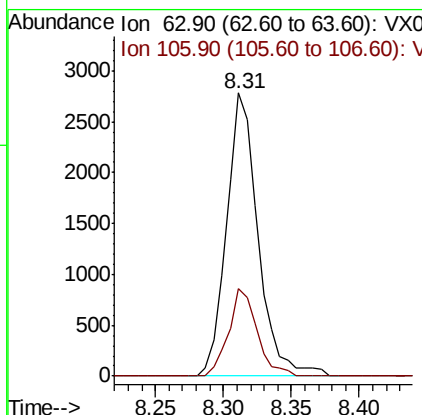
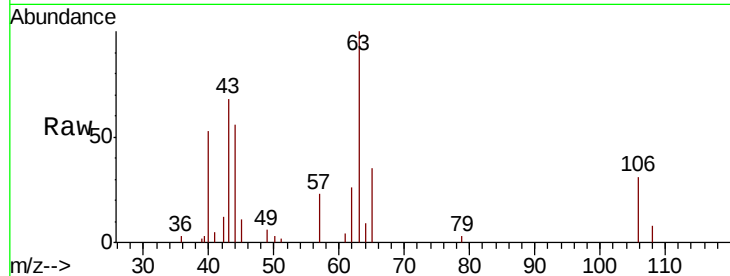




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.067 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

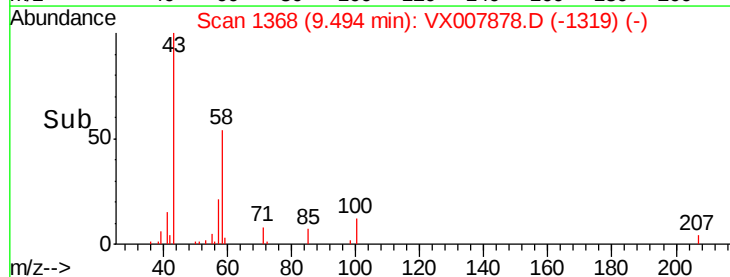
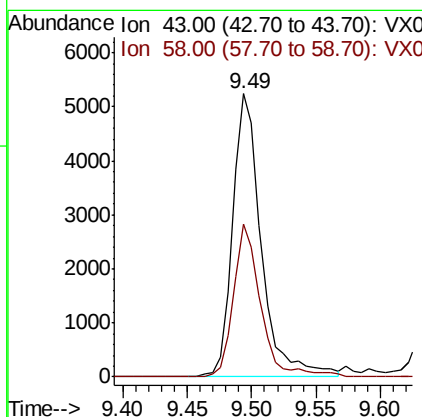
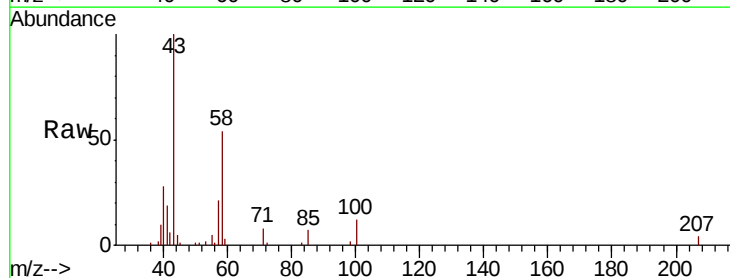
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

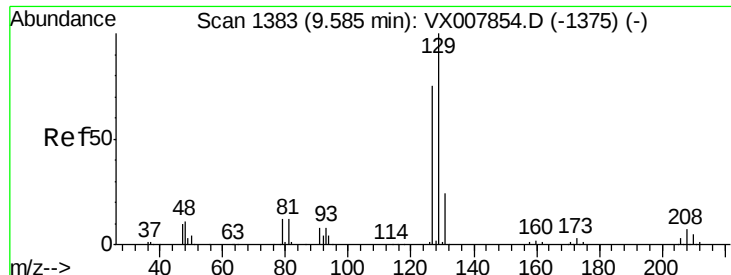
Tgt Ion: 63 Resp: 4483
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.2 33.2



#59
 2-Hexanone
 Concen: 2.453 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 43 Resp: 8162
 Ion Ratio Lower Upper
 43 100
 58 51.3 27.6 82.7





#60

Dibromochloromethane

Concen: 0.494 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

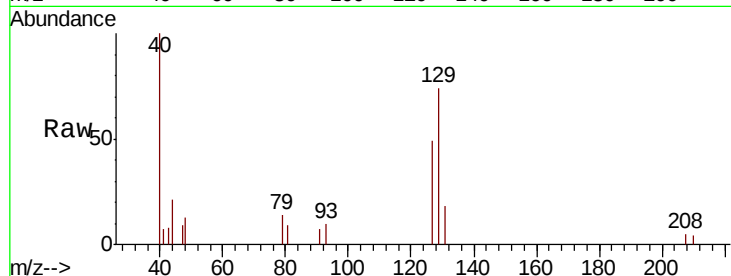
MDL-MDL-WATER-03-QT1-2019

Tgt Ion:129 Resp: 1443

Ion Ratio Lower Upper

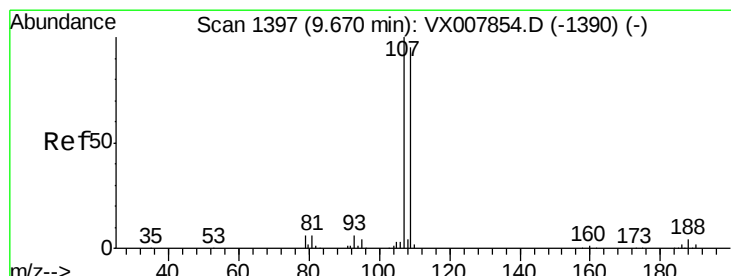
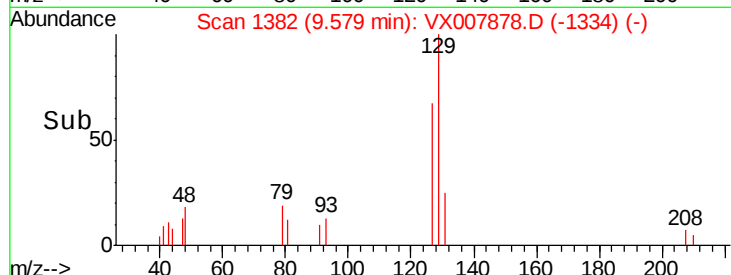
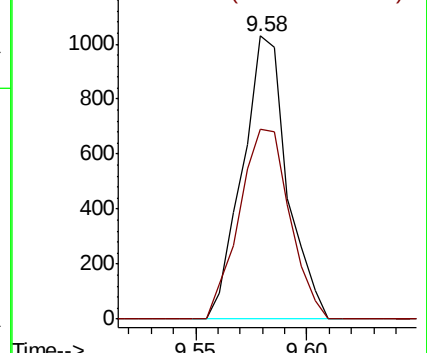
129 100

127 75.8 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.520 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007878.D

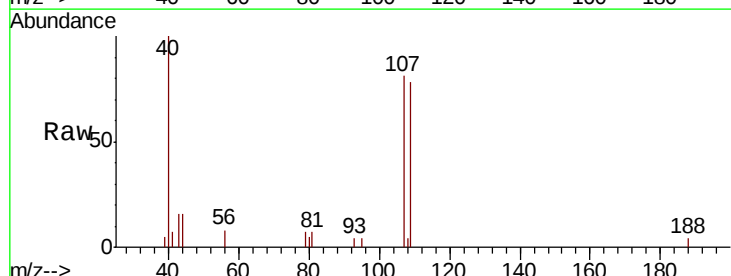
Acq: 07 Mar 2019 12:36

Tgt Ion:107 Resp: 1540

Ion Ratio Lower Upper

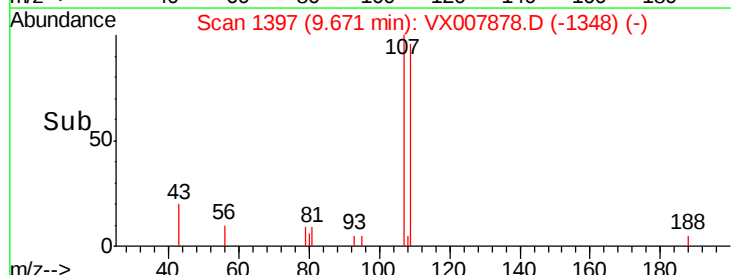
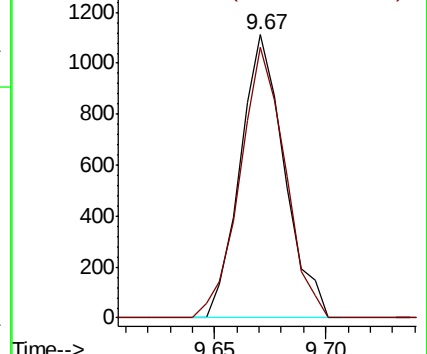
107 100

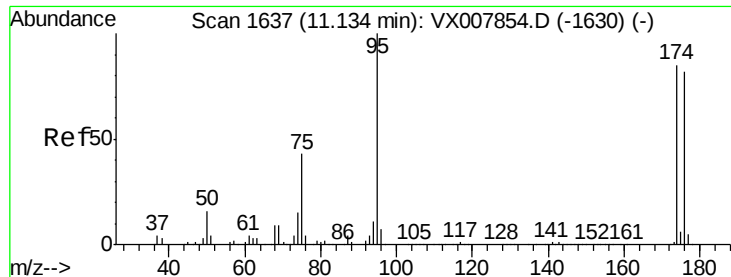
109 97.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.223 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

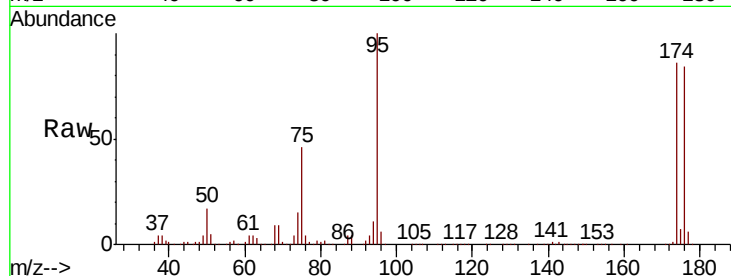
Tgt Ion: 95 Resp: 169900

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

176 89.6 0.0 178.0

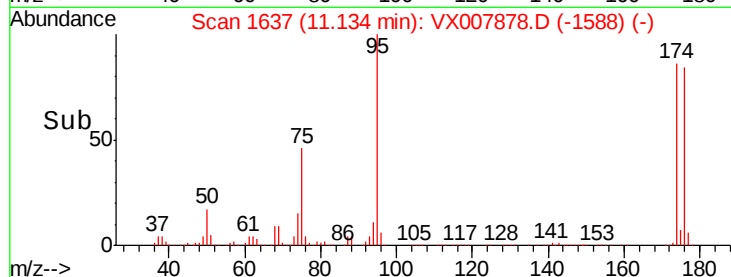


Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

Time-->

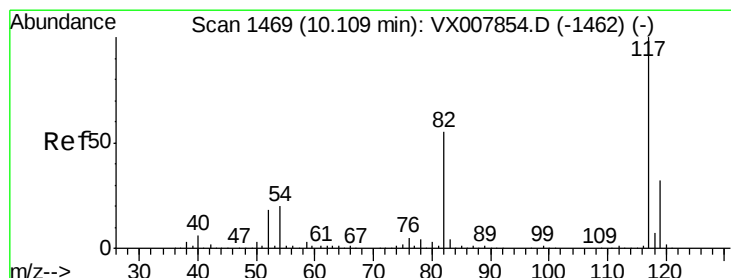


Abundance Ion 94.90 (94.60 to 95.60): VX007878.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007878.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007878.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

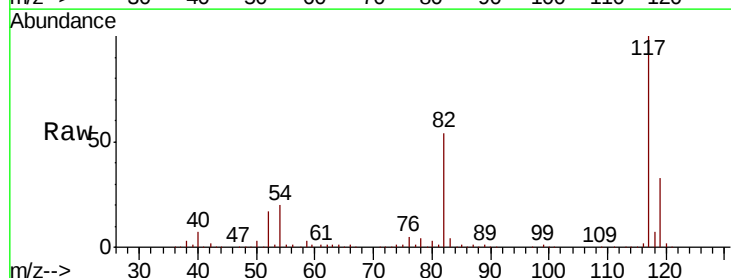
Tgt Ion: 117 Resp: 364759

Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

119 32.7 25.3 37.9

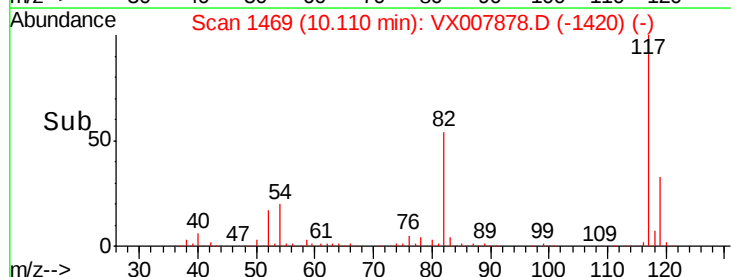


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

Time-->

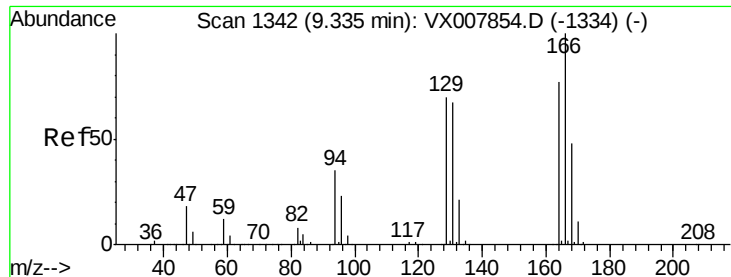


Abundance Ion 116.90 (116.60 to 117.60): VX007878.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007878.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007878.D (-1420) (-)

Time-->



#64

Tetrachloroethene

Concen: 0.620 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

Tgt Ion:164 Resp: 1874

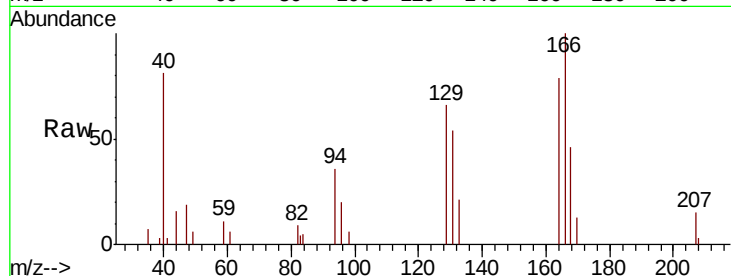
Ion Ratio Lower Upper

164 100

166 127.0 103.4 155.0

129 83.6 72.2 108.4

131 68.2 69.4 104.2#



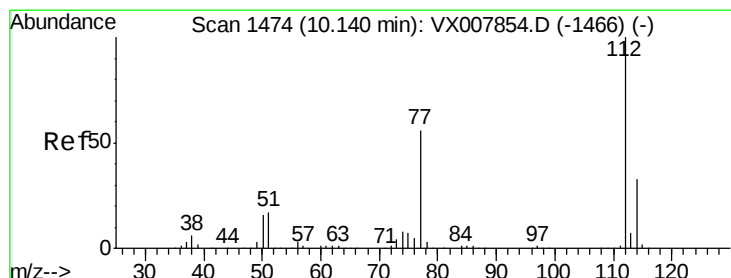
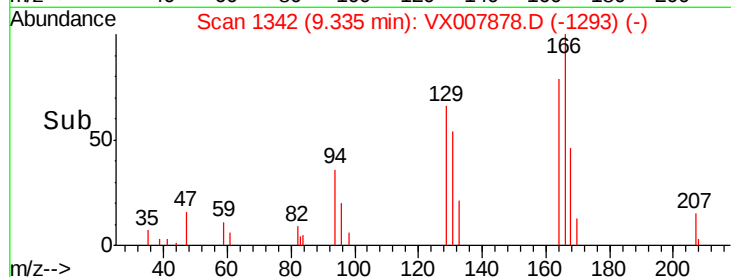
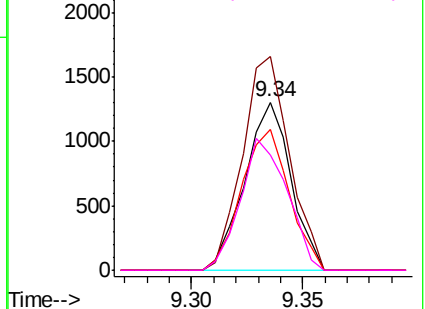
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.579 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007878.D

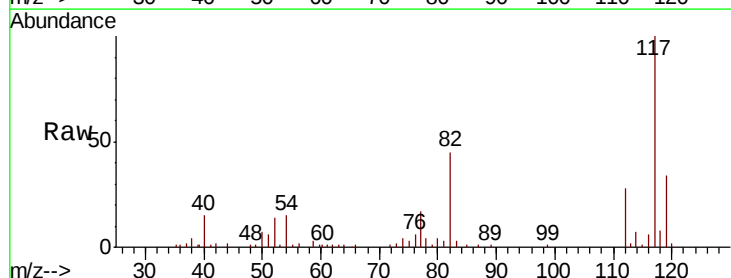
Acq: 07 Mar 2019 12:36

Tgt Ion:112 Resp: 4423

Ion Ratio Lower Upper

112 100

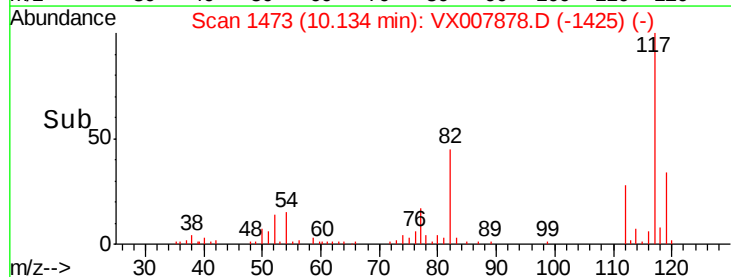
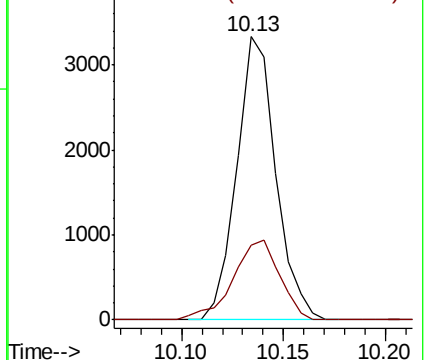
114 26.4 26.0 39.0

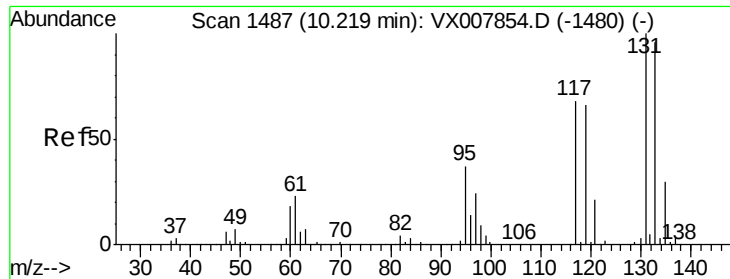


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.485 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

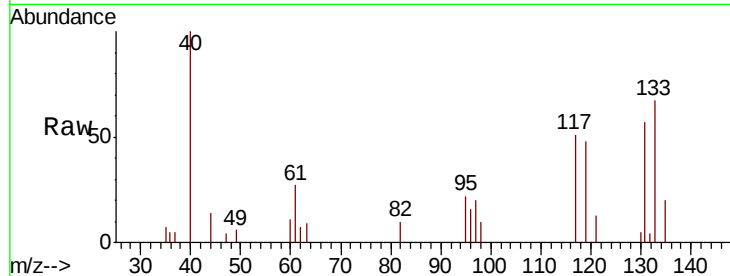
Tgt Ion:131 Resp: 1328

Ion Ratio Lower Upper

131 100

133 96.0 47.8 143.3

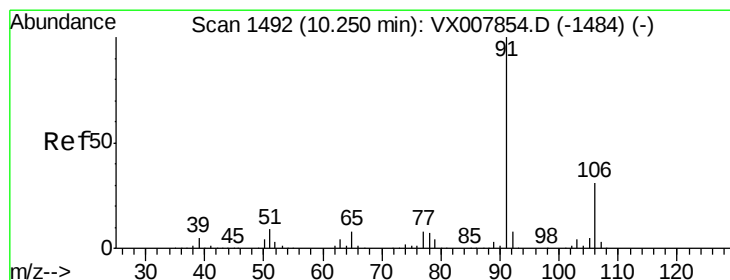
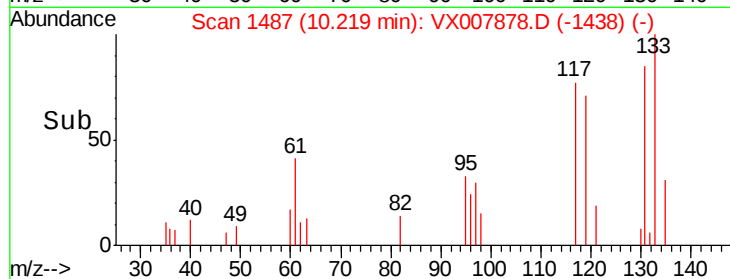
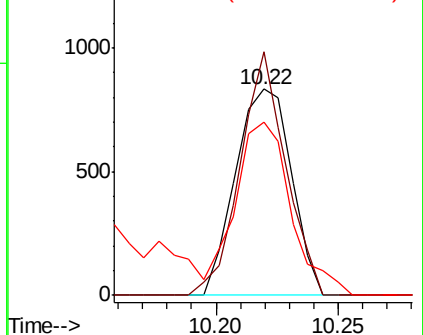
119 0.0 32.5 97.5#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.544 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007878.D

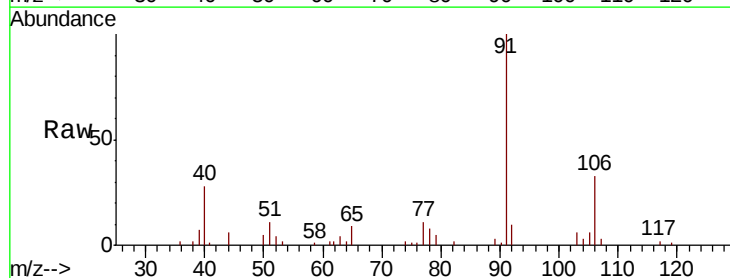
Acq: 07 Mar 2019 12:36

Tgt Ion: 91 Resp: 6836

Ion Ratio Lower Upper

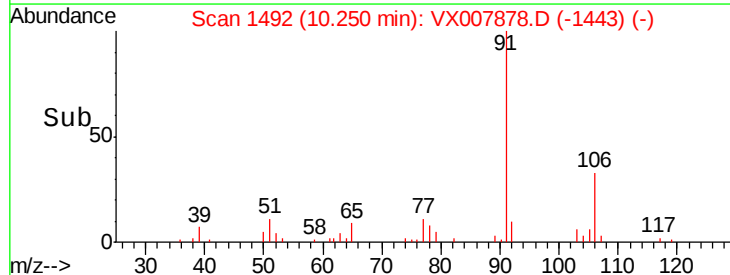
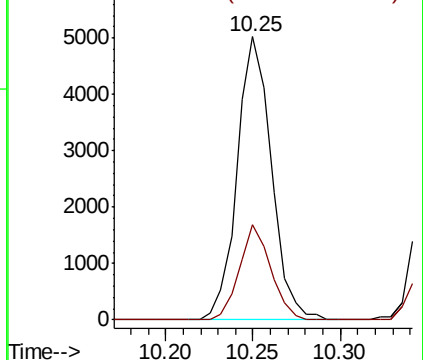
91 100

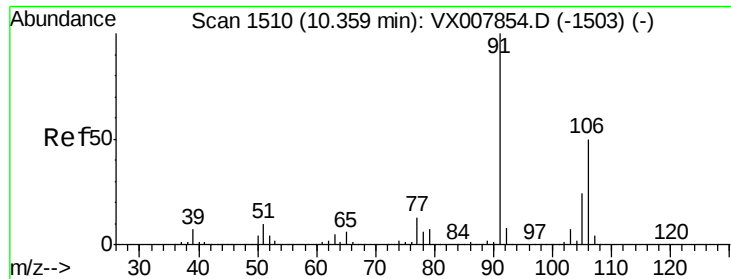
106 33.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

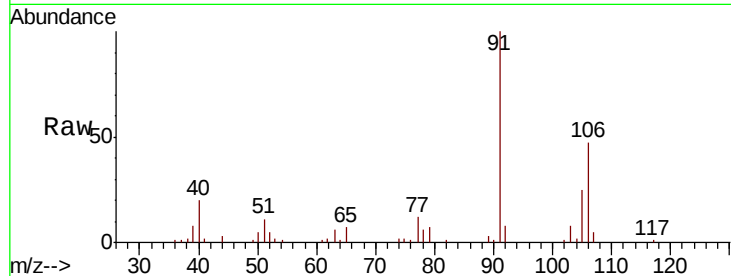




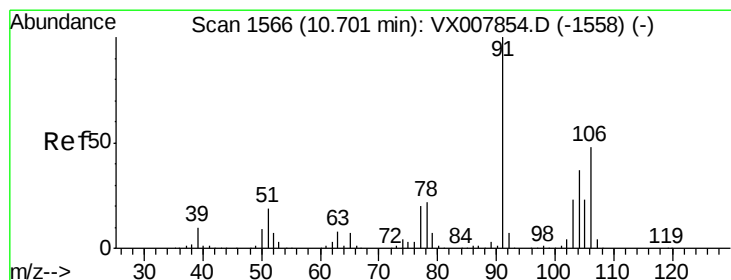
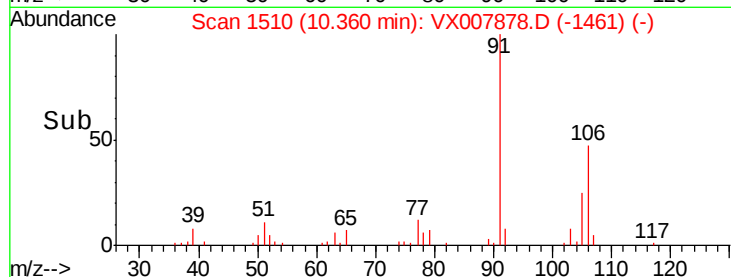
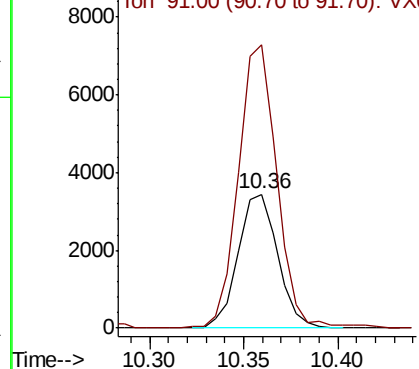
#68
m/p-Xylenes
Concen: 1.038 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Tgt Ion:106 Resp: 5027
Ion Ratio Lower Upper
106 100
91 206.9 159.8 239.6

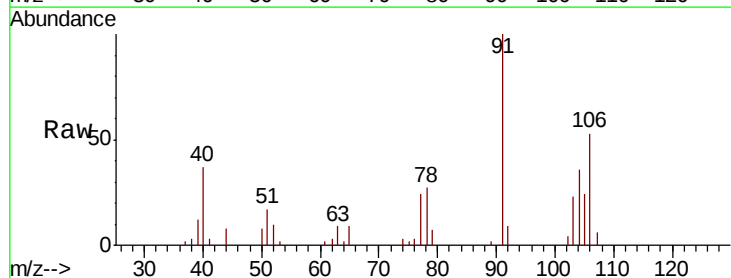


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

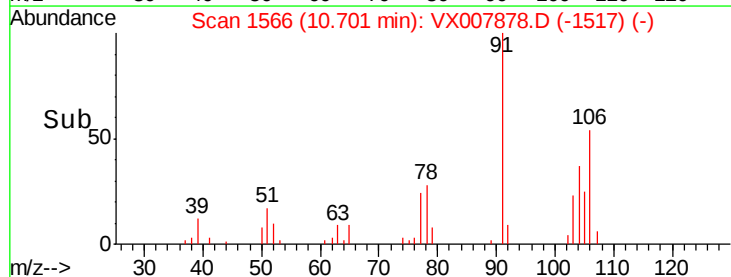
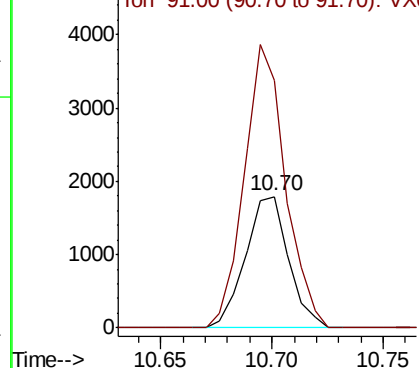


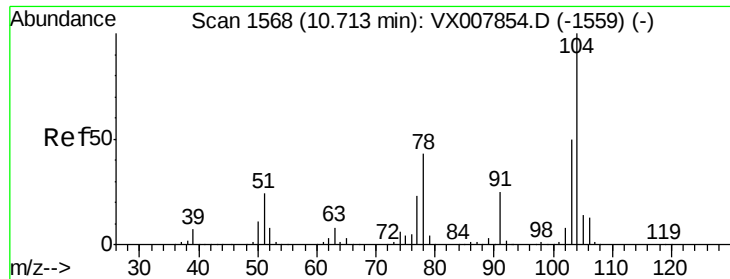
#69
o-Xylene
Concen: 0.517 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion:106 Resp: 2419
Ion Ratio Lower Upper
106 100
91 205.4 106.3 318.9



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

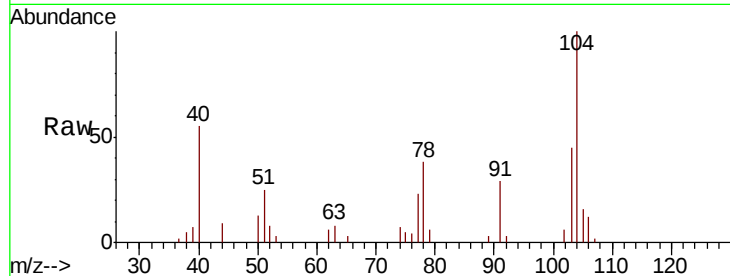




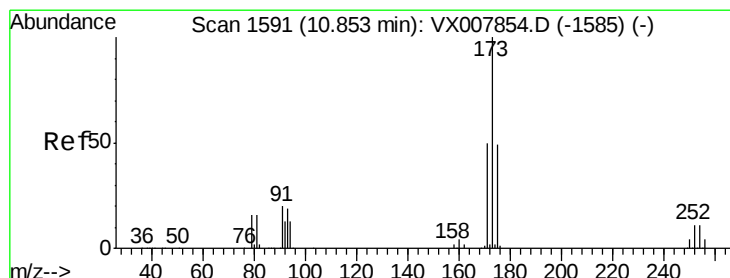
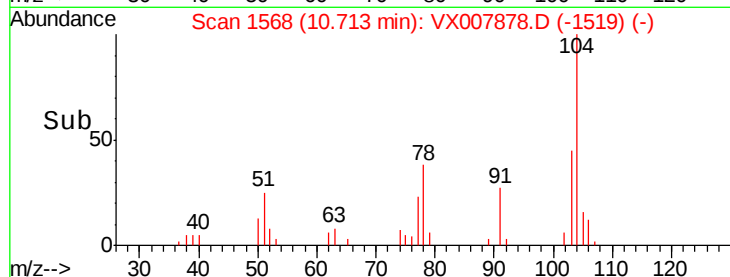
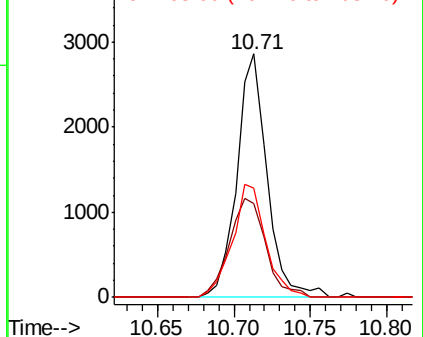
#70
Styrene
Concen: 0.511 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Tgt Ion:104 Resp: 3913
Ion Ratio Lower Upper
104 100
78 48.9 38.5 57.7
103 51.3 44.1 66.1

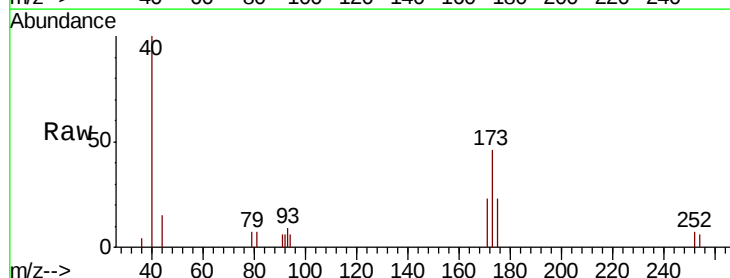


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

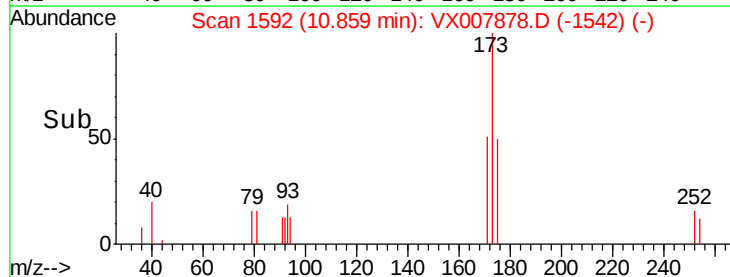
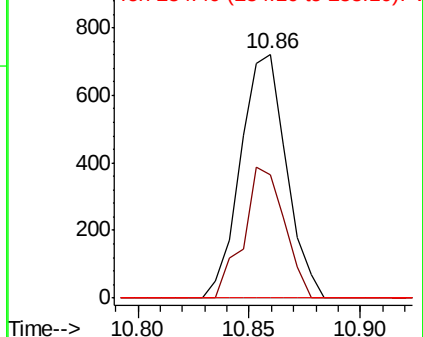


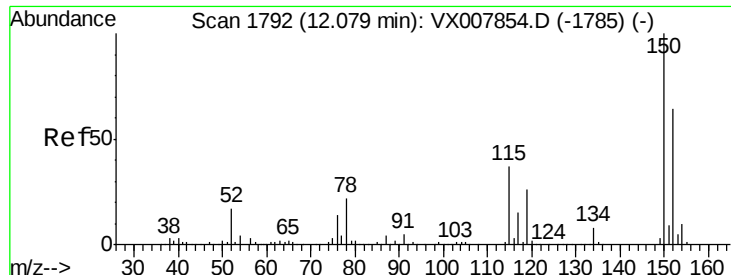
#71
Bromoform
Concen: 0.439 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion:173 Resp: 1031
Ion Ratio Lower Upper
173 100
175 47.7 24.3 72.9
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

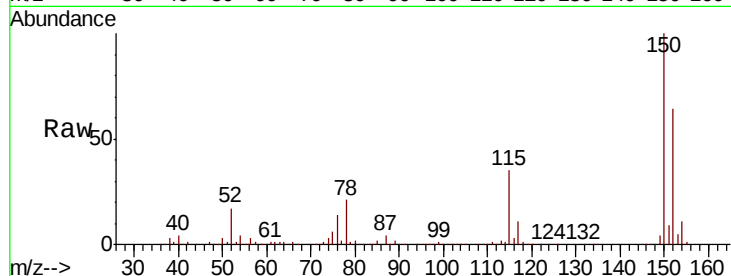
Tgt Ion:152 Resp: 172657

Ion Ratio Lower Upper

152 100

115 55.5 38.6 115.7

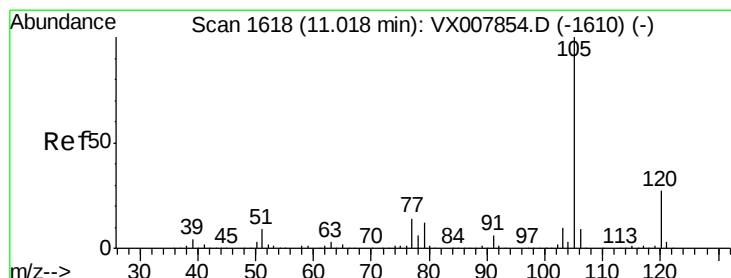
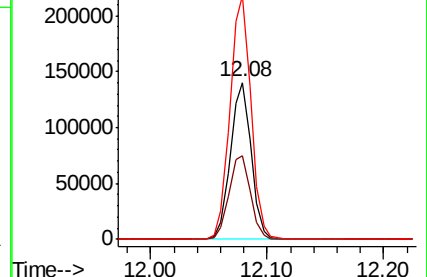
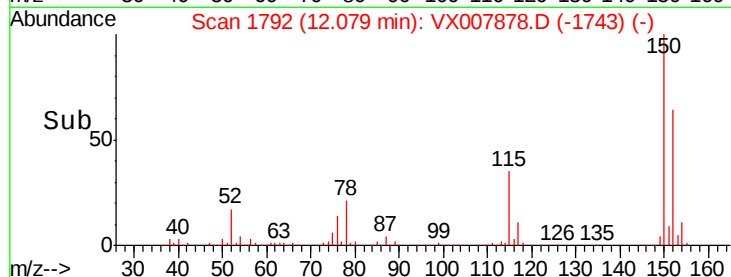
150 156.6 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.554 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007878.D

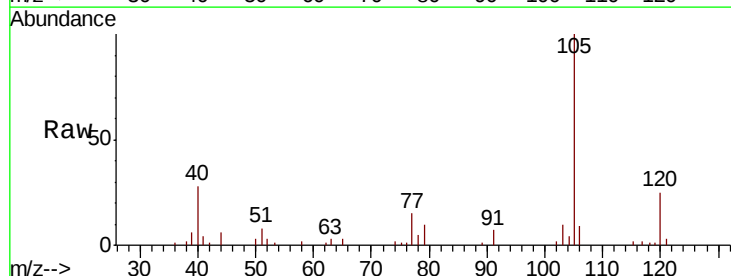
Acq: 07 Mar 2019 12:36

Tgt Ion:105 Resp: 6474

Ion Ratio Lower Upper

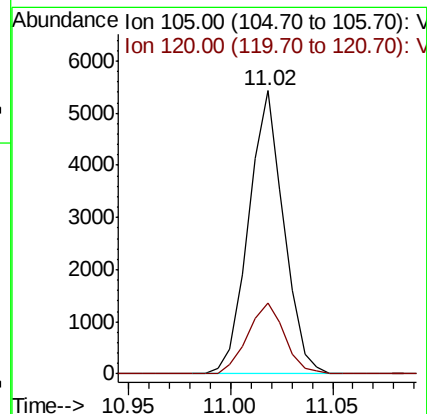
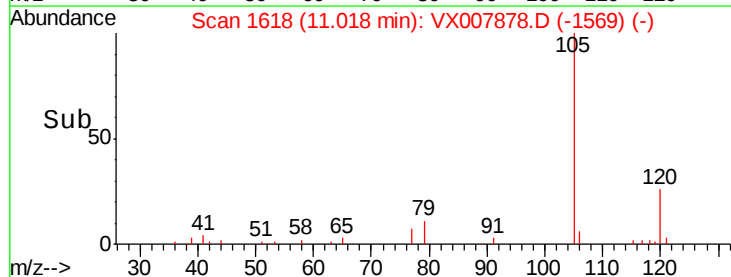
105 100

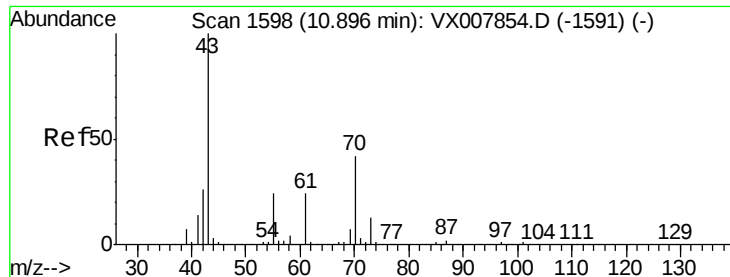
120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.503 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

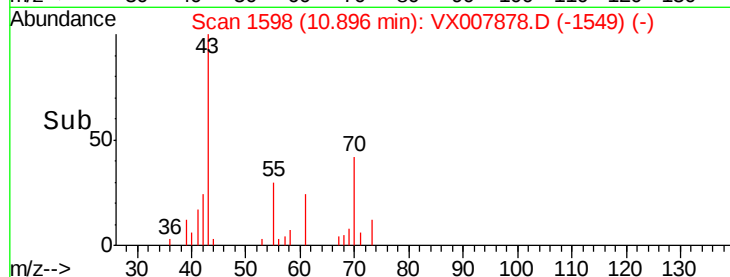
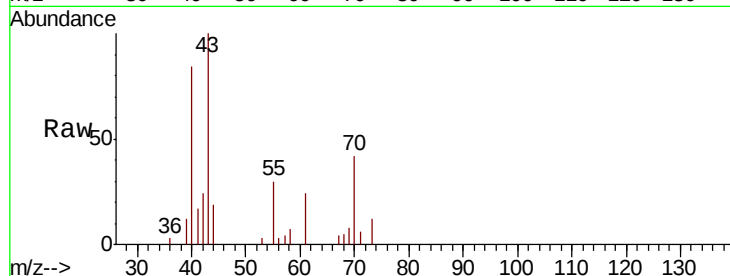
ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

Tgt Ion: 43 Resp: 2684

Ion Ratio Lower Upper

43	100		
70	38.9	33.5	50.3
55	29.5	19.2	28.8
61	22.4	19.0	28.6

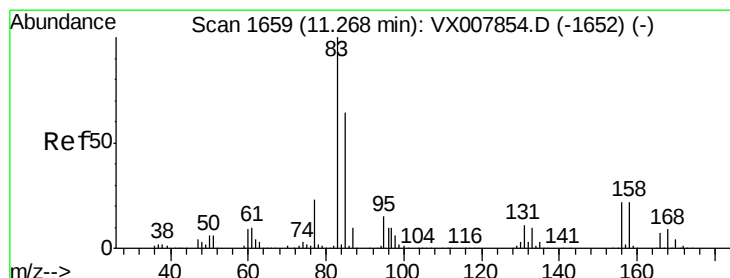
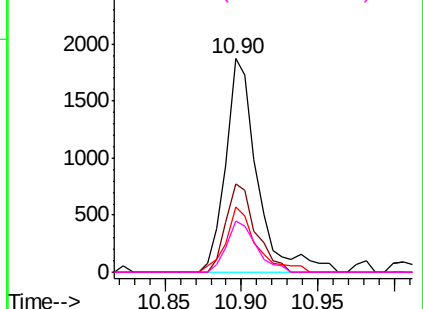


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.591 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

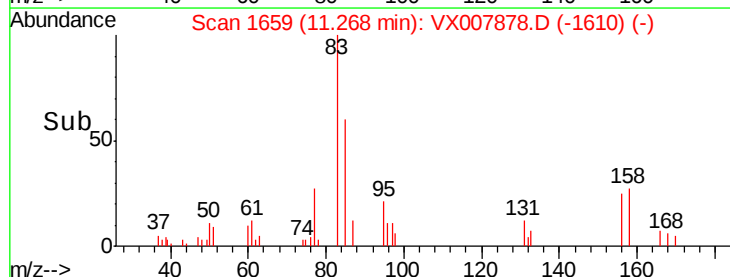
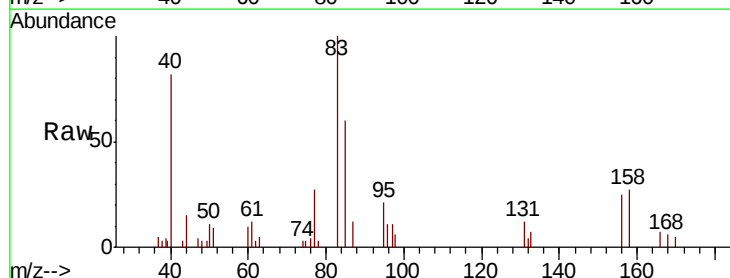
Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Tgt Ion: 83 Resp: 2381

Ion Ratio Lower Upper

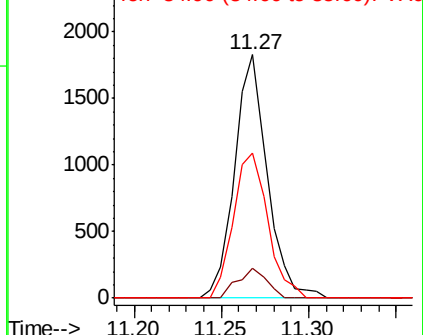
83	100		
131	10.9	5.4	16.2
85	62.6	32.3	96.8

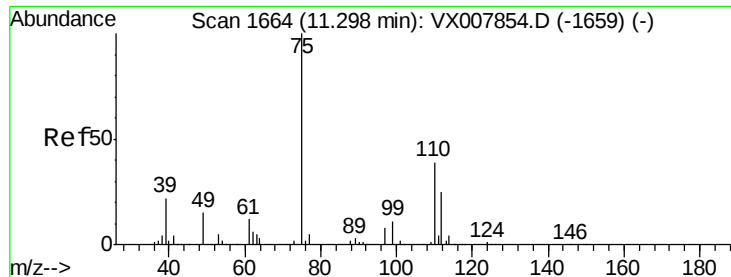


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

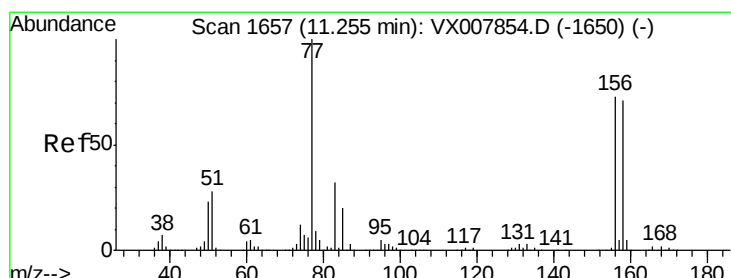
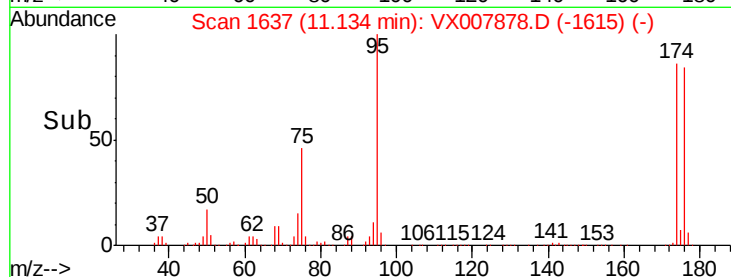
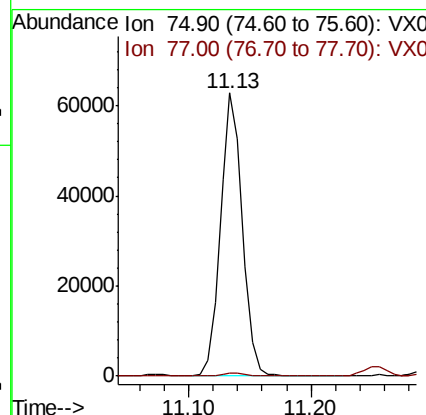
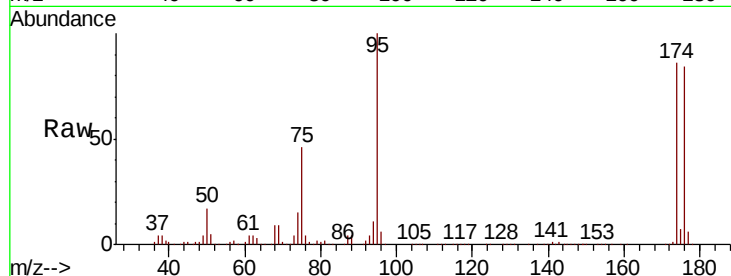




#76
 1,2,3-Trichloropropane
 Concen: 21.588 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

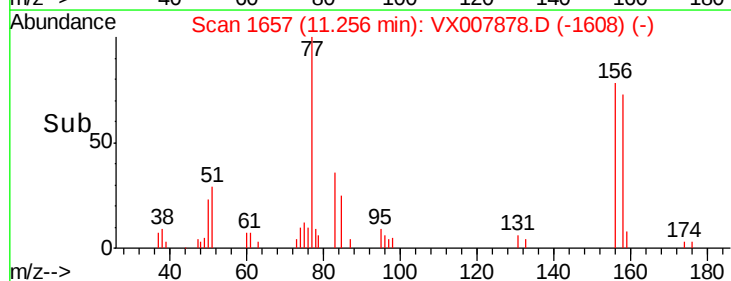
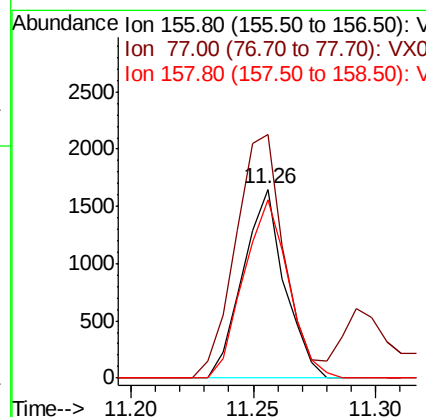
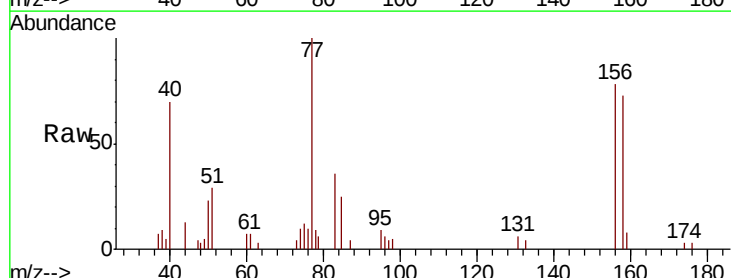
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

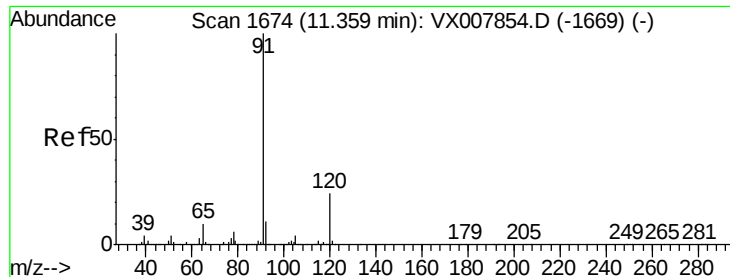
Tgt Ion: 75 Resp: 78213
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#77
 Bromobenzene
 Concen: 0.612 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 156 Resp: 1958
 Ion Ratio Lower Upper
 156 100
 77 151.7 72.0 215.9
 158 101.7 48.6 145.9

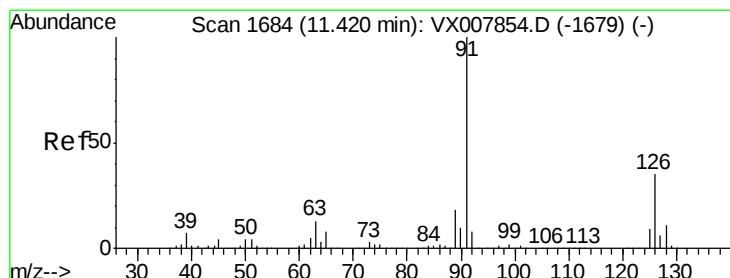
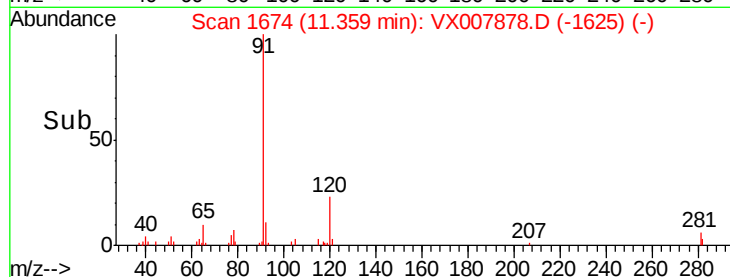
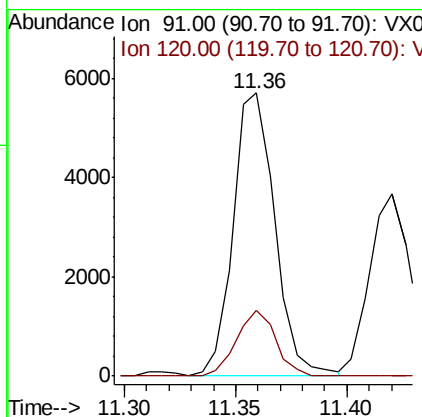
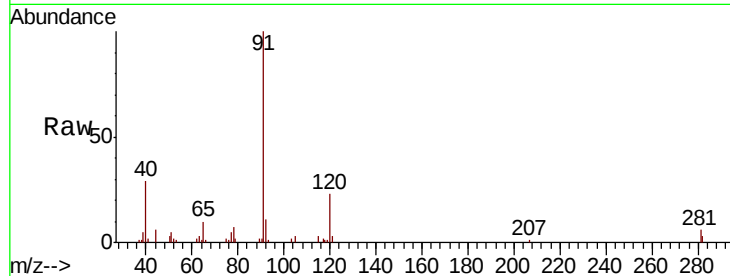




#78
n-propylbenzene
Concen: 0.574 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

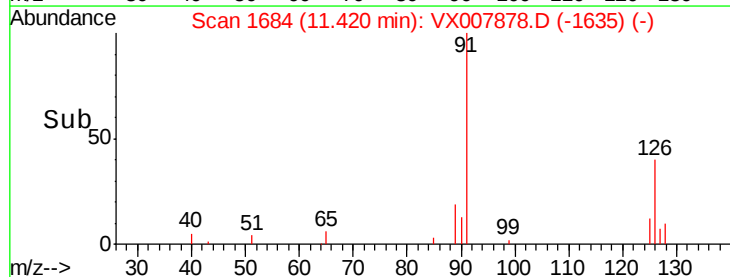
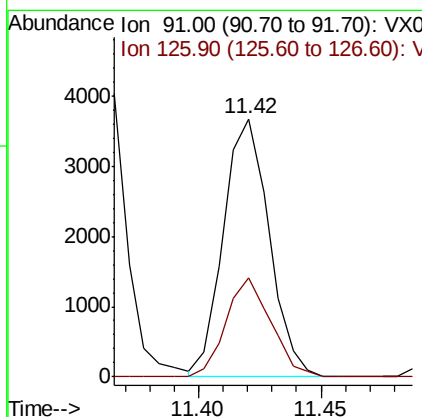
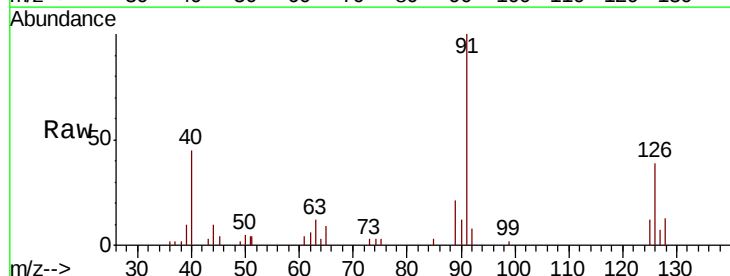
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

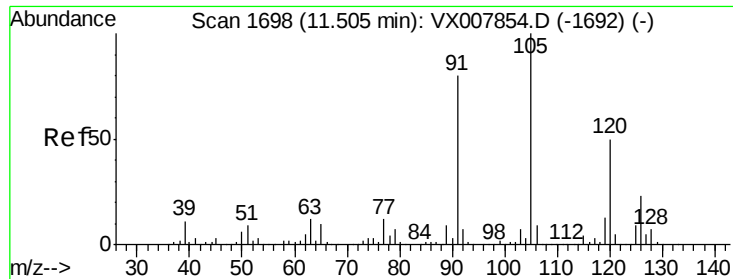
Tgt Ion: 91 Resp: 7437
Ion Ratio Lower Upper
91 100
120 21.7 12.0 36.0



#79
2-Chlorotoluene
Concen: 0.603 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 91 Resp: 4775
Ion Ratio Lower Upper
91 100
126 37.6 17.5 52.6

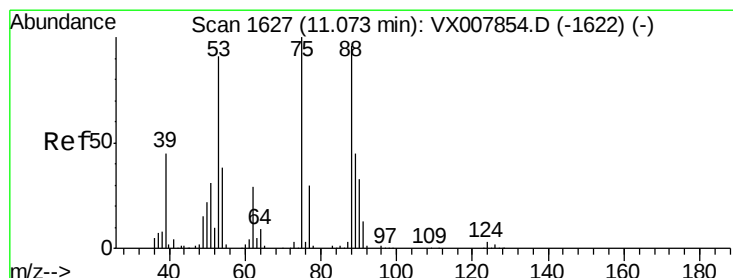
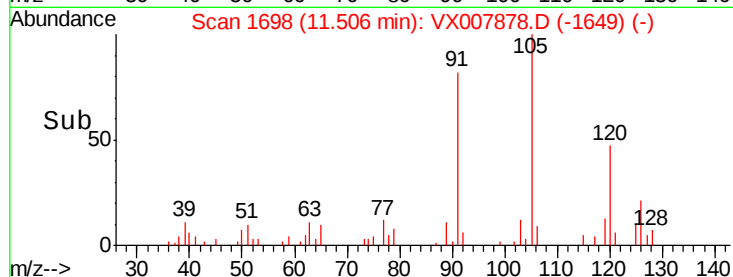
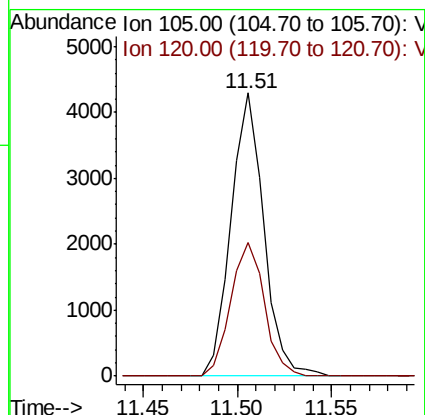
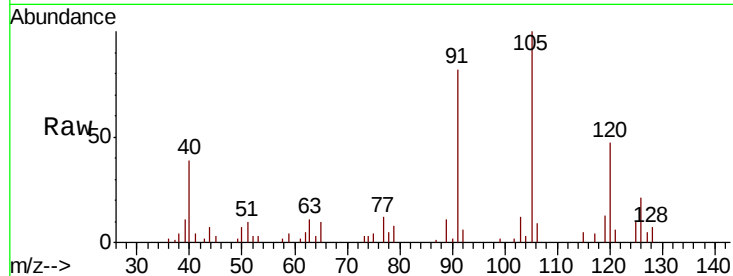




#80
 1,3,5-Trimethylbenzene
 Concen: 0.540 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

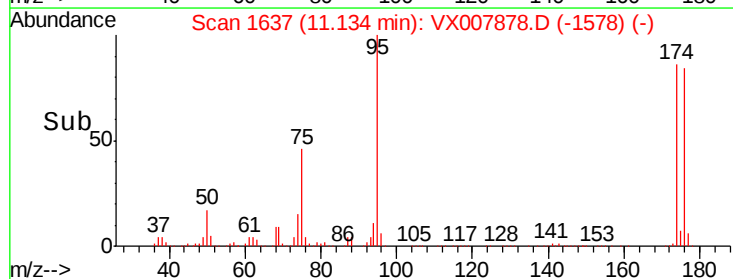
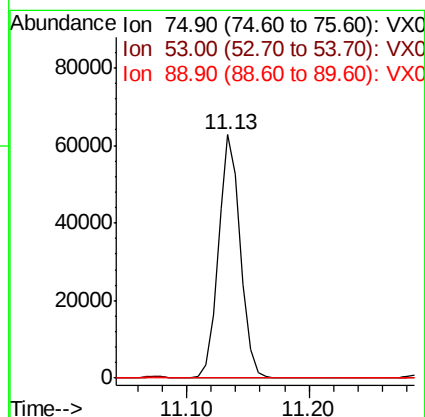
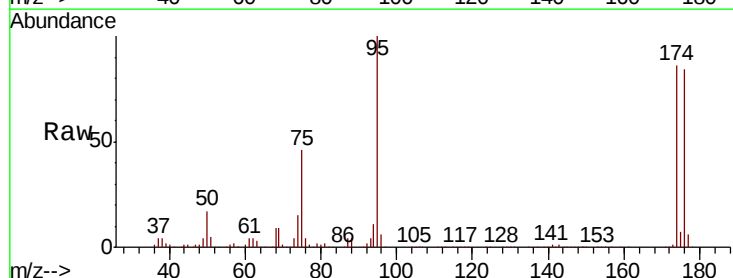
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

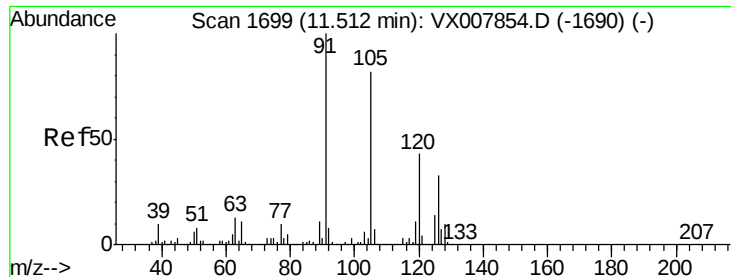
Tgt Ion:105 Resp: 5189
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.004 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 75 Resp: 78213
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

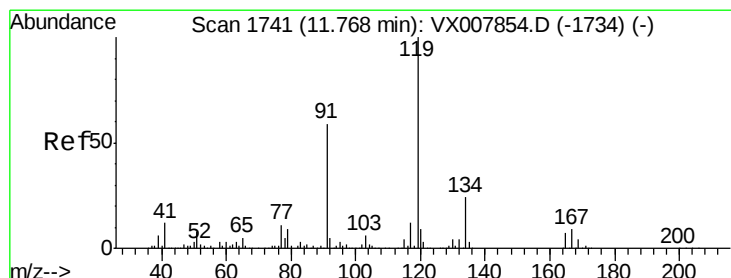
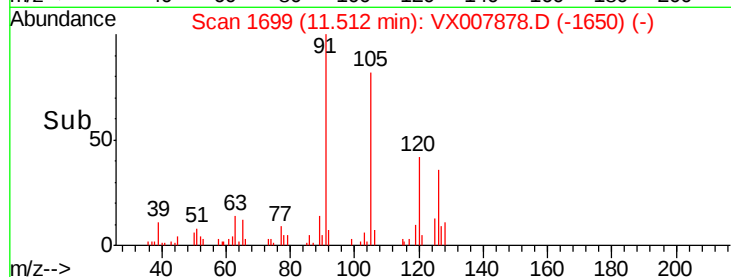
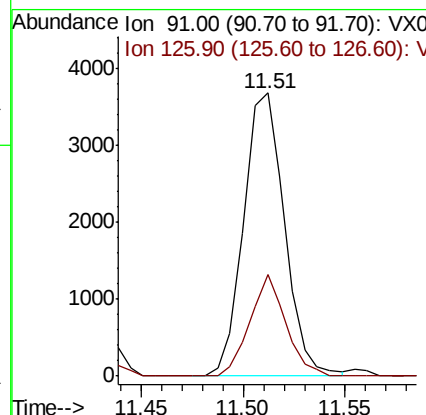
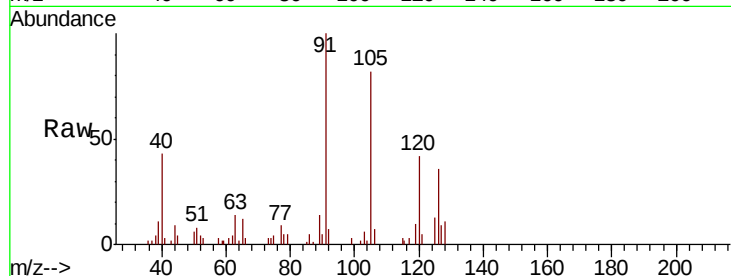




#82
4-Chlorotoluene
Concen: 0.565 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

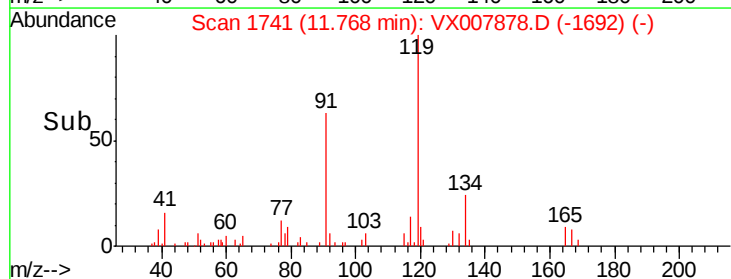
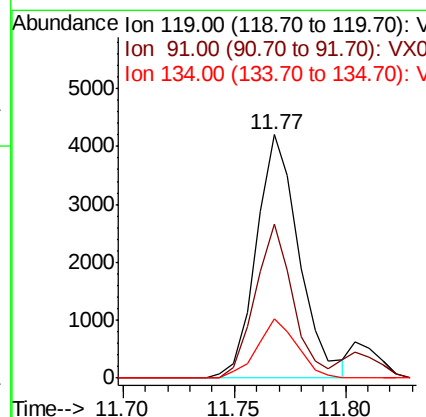
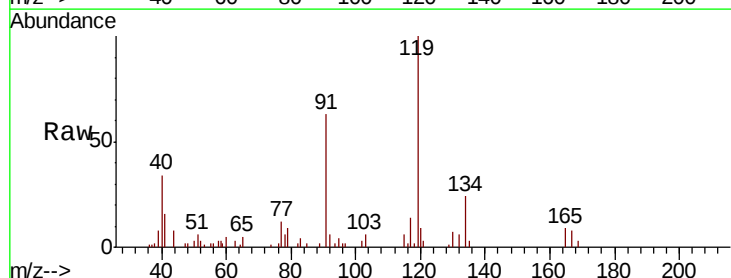
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

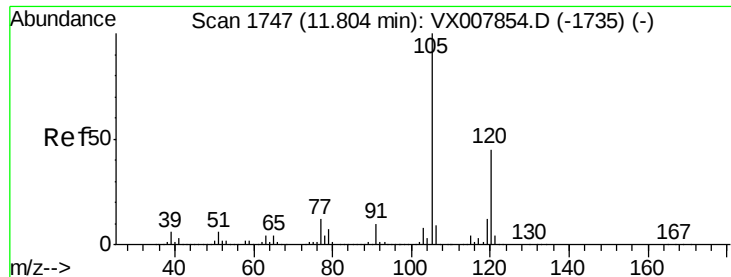
Tgt Ion: 91 Resp: 5124
Ion Ratio Lower Upper
91 100
126 31.4 15.6 46.8



#83
tert-Butylbenzene
Concen: 0.582 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 119 Resp: 5630
Ion Ratio Lower Upper
119 100
91 56.1 27.1 81.3
134 22.7 11.4 34.1

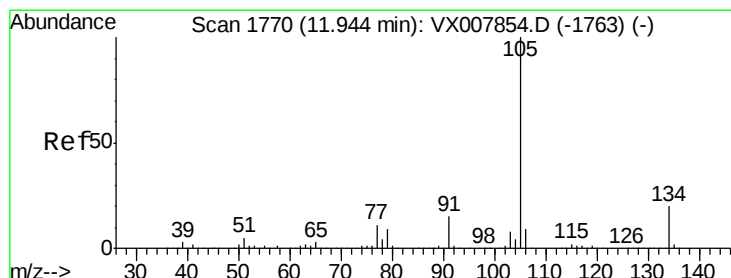
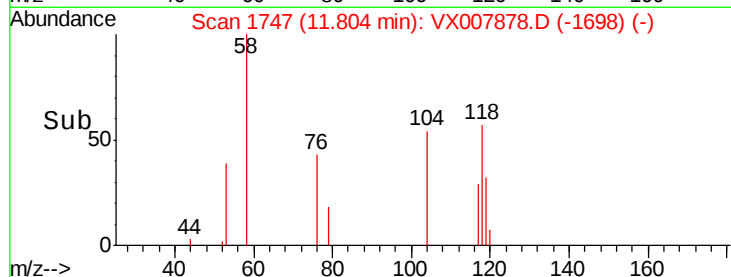
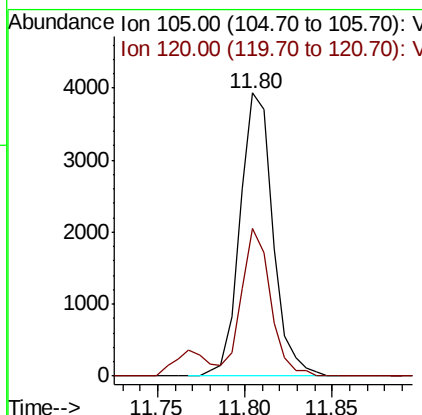
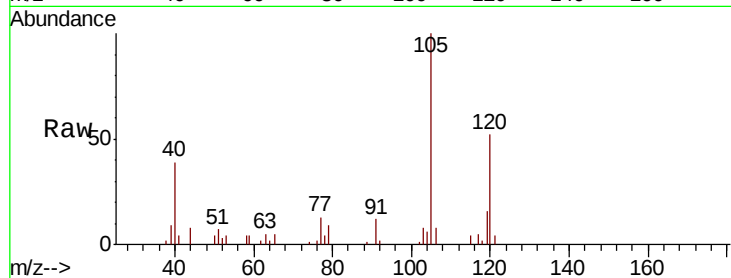




#84
 1,2,4-Trimethylbenzene
 Concen: 0.522 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

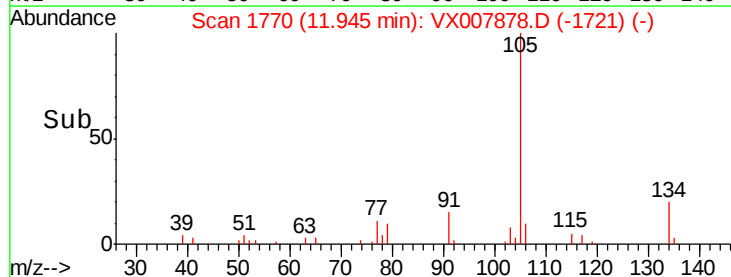
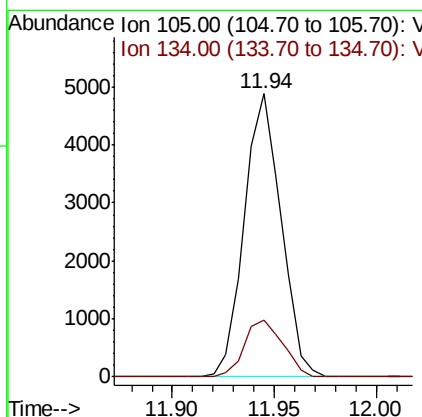
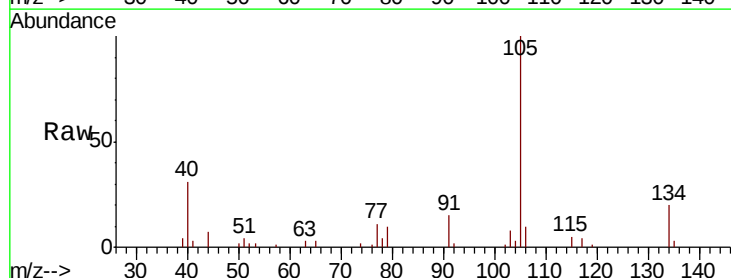
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

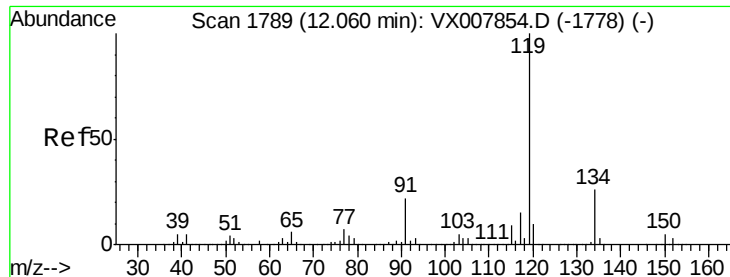
Tgt Ion:105 Resp: 5140
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 0.537 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion:105 Resp: 6118
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.2

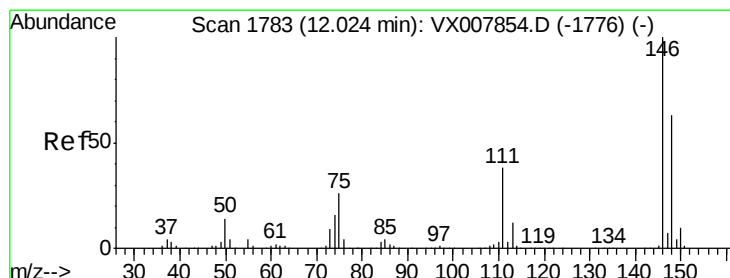
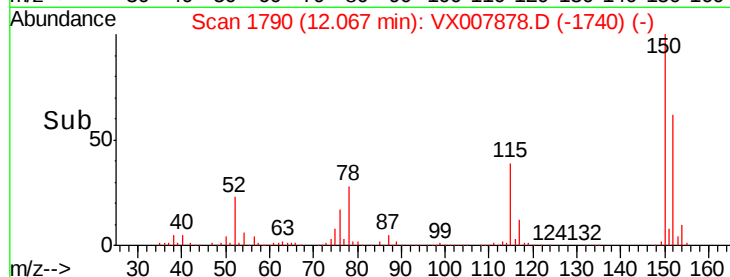
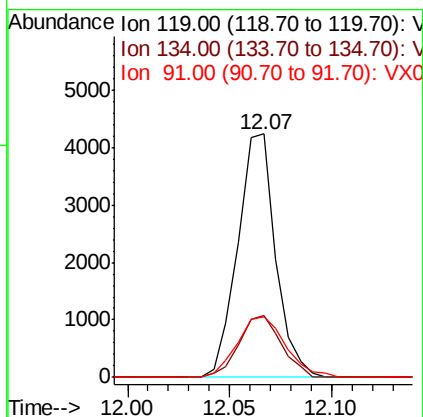
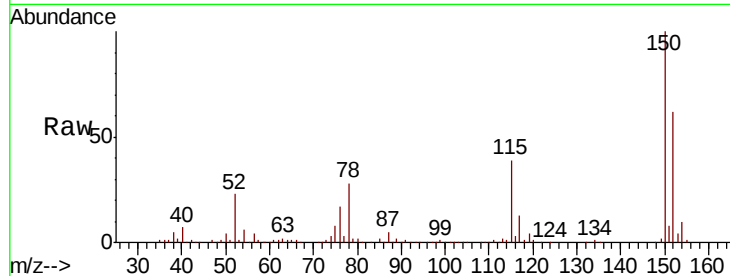




#86
 p-Isopropyltoluene
 Concen: 0.536 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

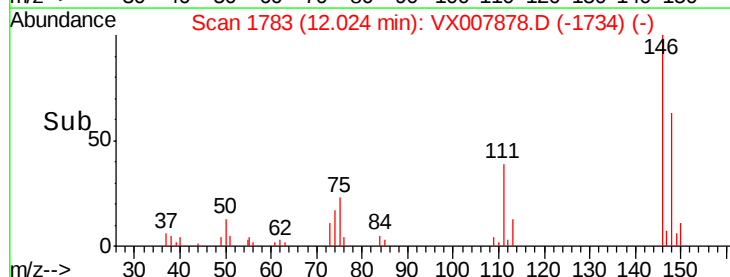
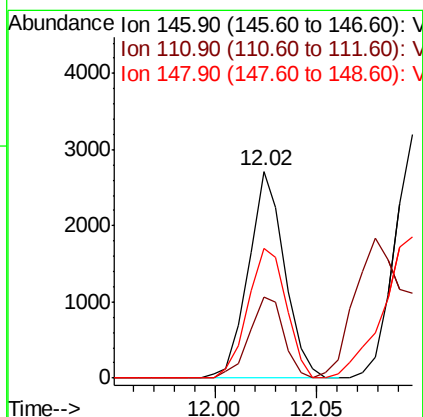
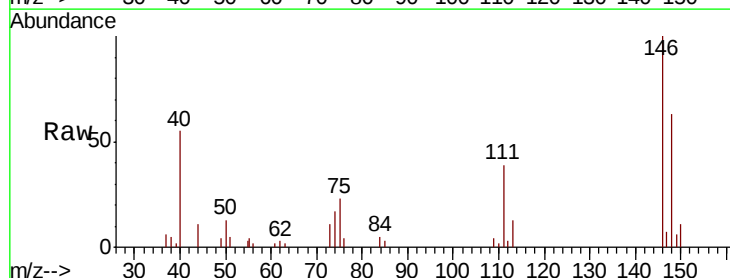
Instrument :
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 MDL-MDL-WATER-03-QT1-2019

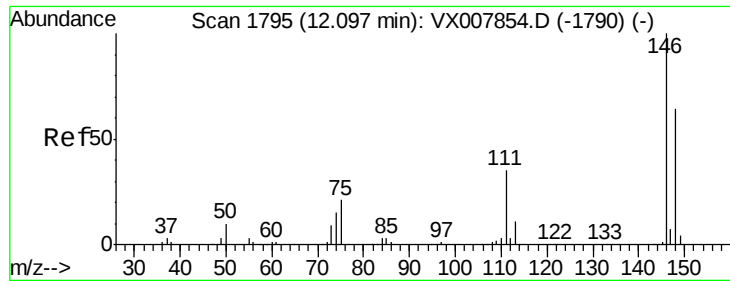
Tgt Ion:119 Resp: 5476
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.3 39.9
 91 31.8 10.9 32.7



#87
 1,3-Dichlorobenzene
 Concen: 0.592 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion:146 Resp: 3353
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.7
 148 66.3 31.7 95.1

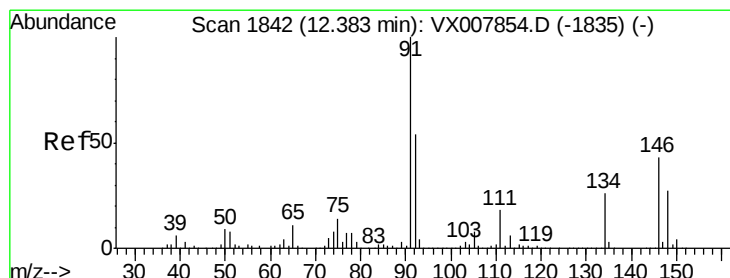
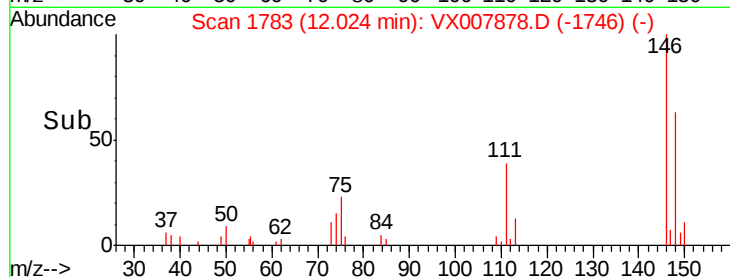
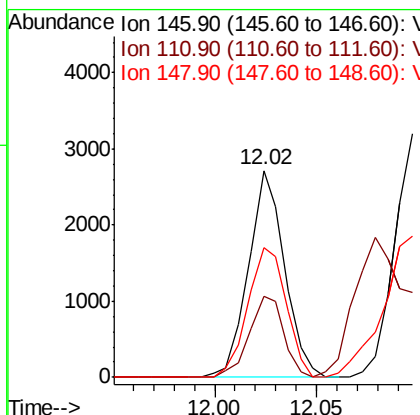
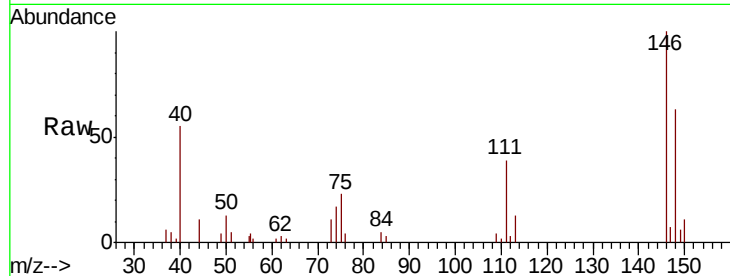




#88
1,4-Dichlorobenzene
Concen: 0.578 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.07 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

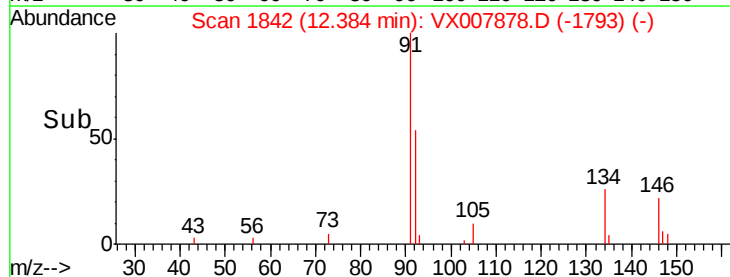
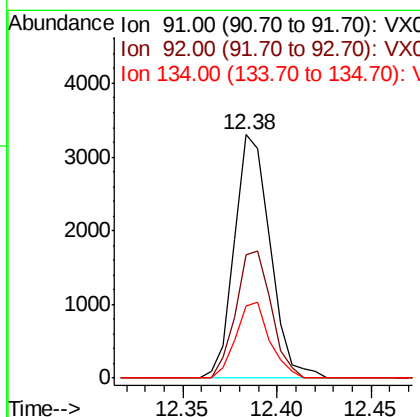
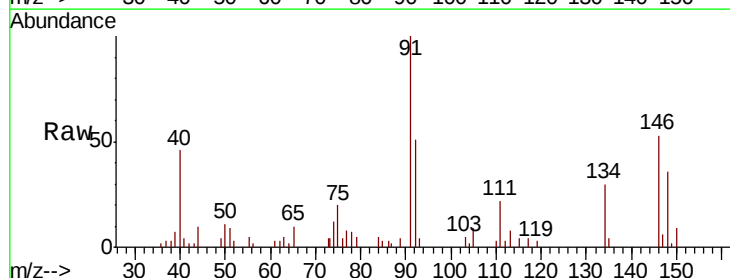
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

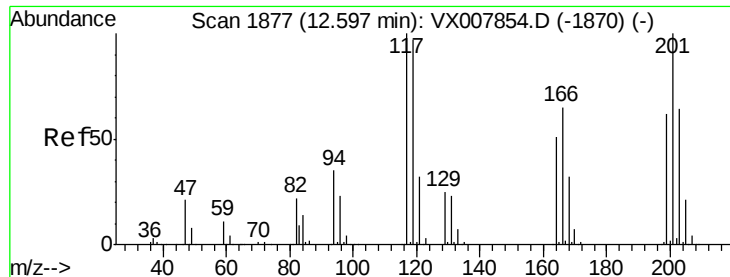
Tgt Ion:146 Resp: 3353
Ion Ratio Lower Upper
146 100
111 37.3 18.4 55.0
148 66.3 32.2 96.6



#89
n-Butylbenzene
Concen: 0.503 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007878.D
Acq: 07 Mar 2019 12:36

Tgt Ion: 91 Resp: 4350
Ion Ratio Lower Upper
91 100
92 51.5 27.0 80.8
134 29.5 13.7 41.0

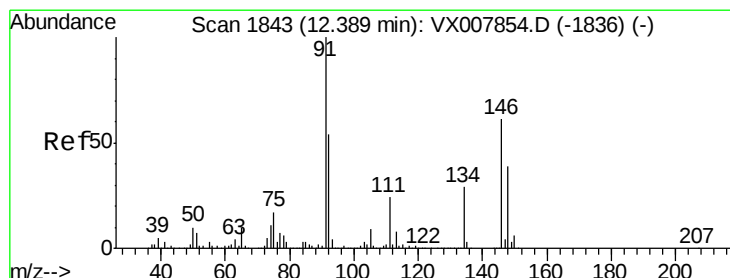
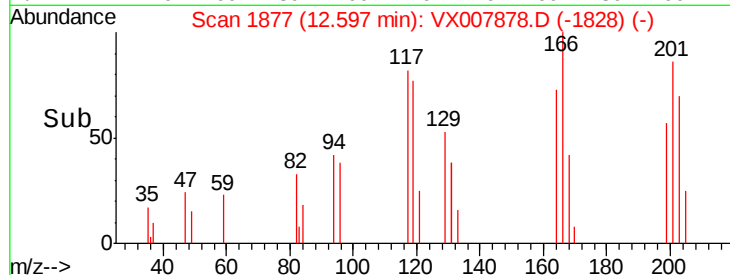
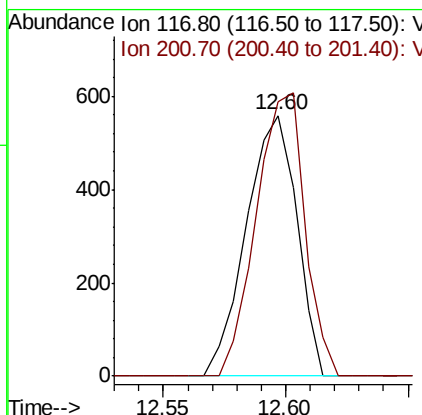
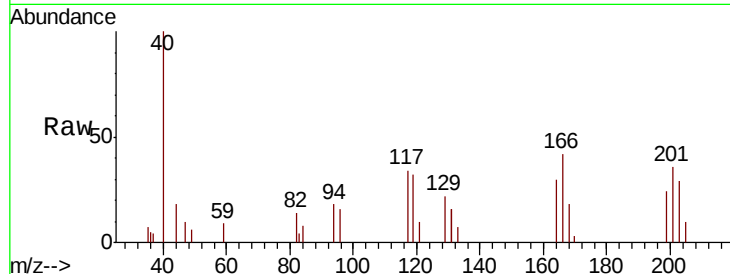




#90
 Hexachloroethane
 Concen: 0.470 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

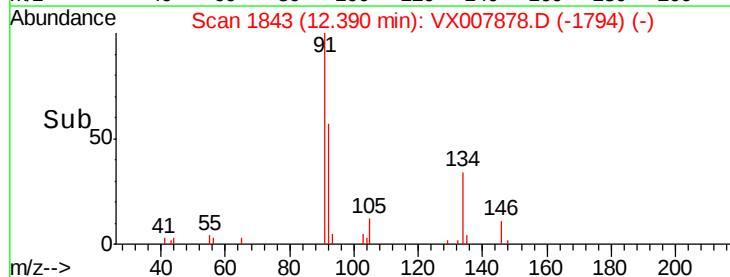
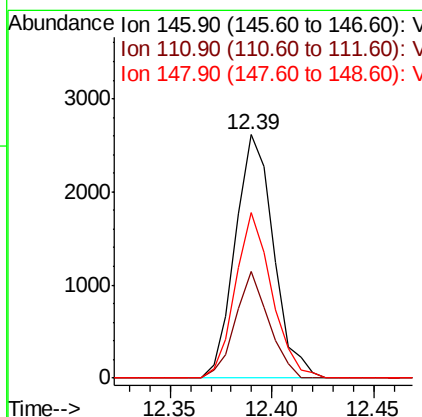
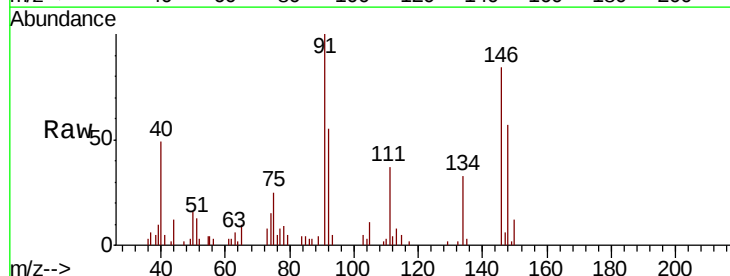
Instrument :
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 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

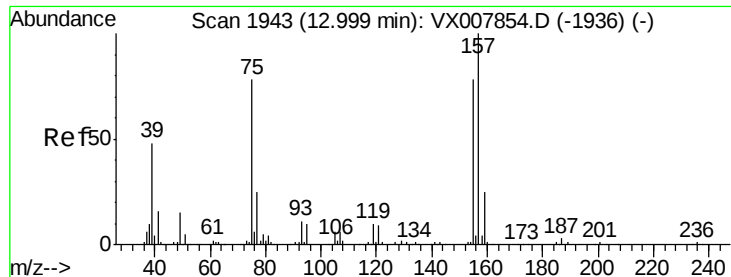
Tgt Ion:117 Resp: 802
 Ion Ratio Lower Upper
 117 100
 201 104.4 48.9 146.7



#91
 1,2-Dichlorobenzene
 Concen: 0.605 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion:146 Resp: 3406
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.8
 148 64.7 31.9 95.5

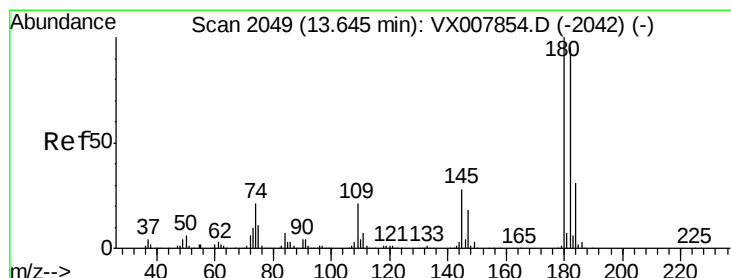
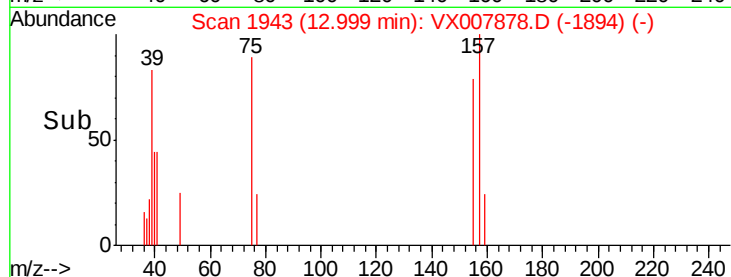
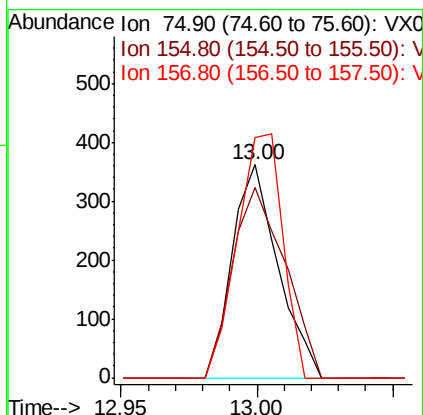
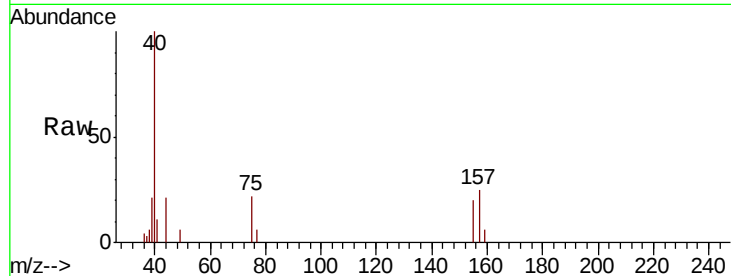




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.501 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

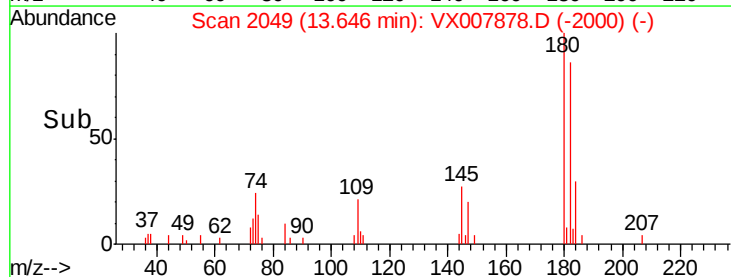
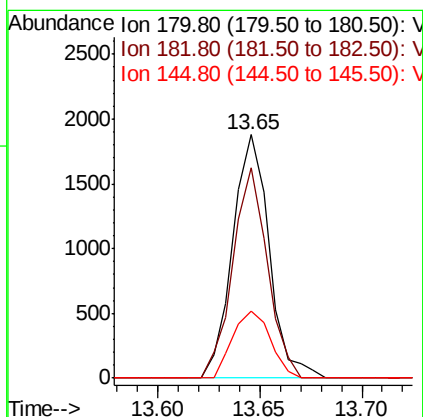
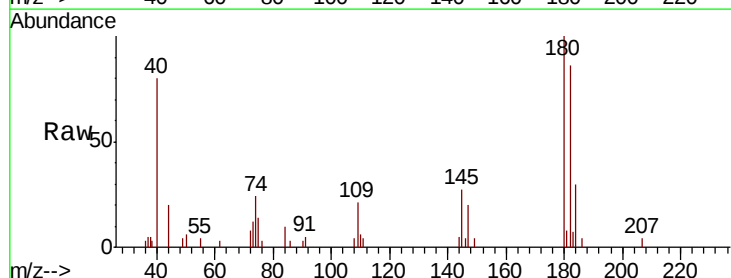
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

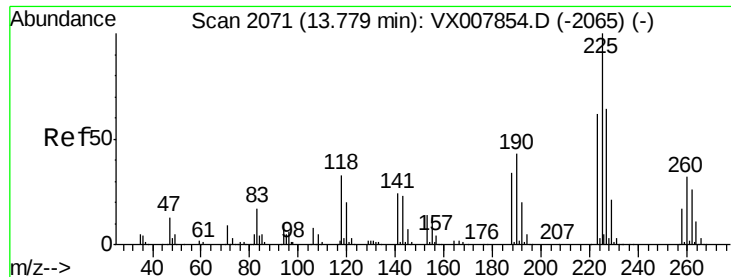
Tgt Ion: 75 Resp: 422
 Ion Ratio Lower Upper
 75 100
 155 102.8 49.7 149.1
 157 114.0 63.8 191.4



#93
 1,2,4-Trichlorobenzene
 Concen: 0.589 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Tgt Ion: 180 Resp: 2330
 Ion Ratio Lower Upper
 180 100
 182 82.0 47.9 143.7
 145 28.5 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.612 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT1-2019

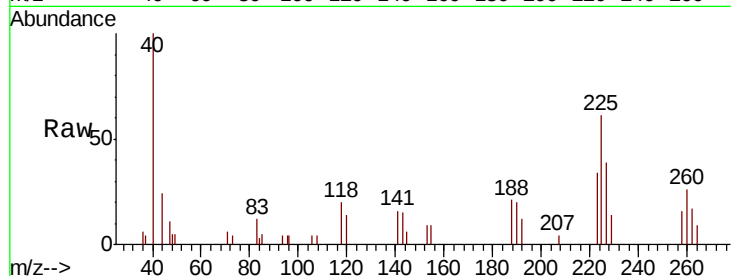
Tgt Ion:225 Resp: 1265

Ion Ratio Lower Upper

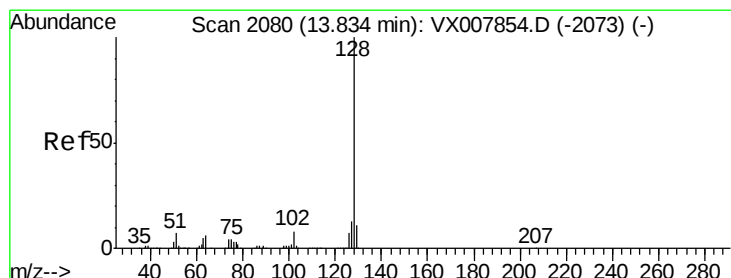
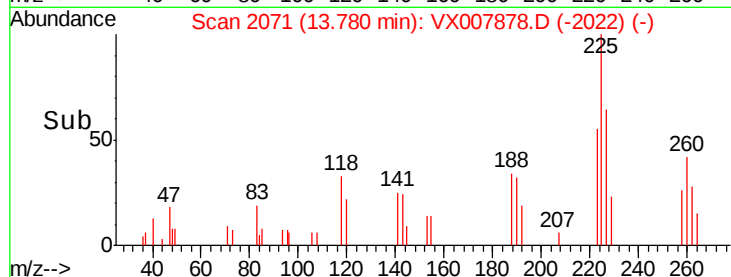
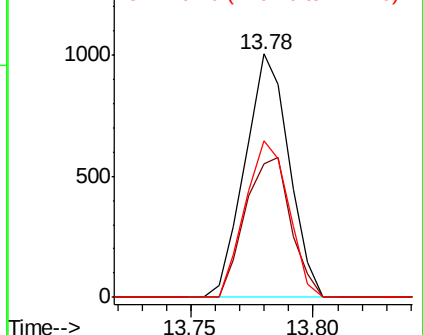
225 100

223 59.3 31.1 93.2

227 63.1 32.0 96.0



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



#95

Naphthalene

Concen: 0.513 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007878.D

Acq: 07 Mar 2019 12:36

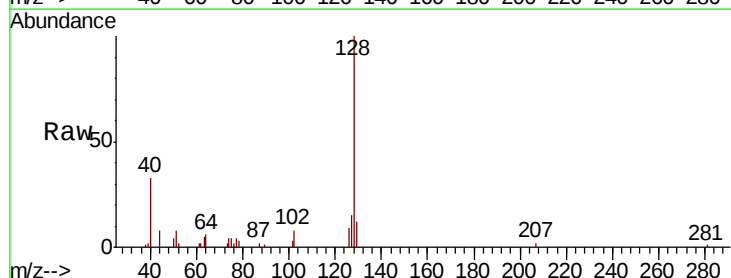
Tgt Ion:128 Resp: 5839

Ion Ratio Lower Upper

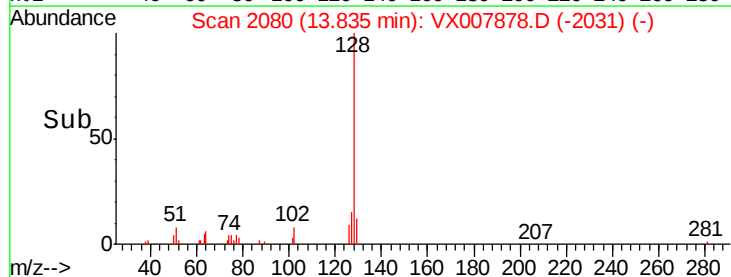
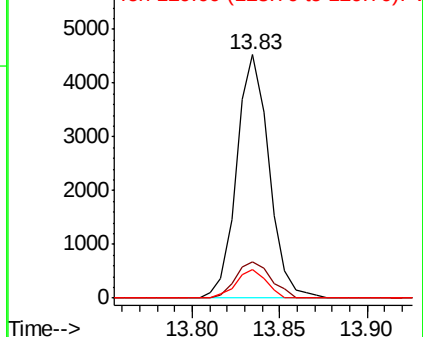
128 100

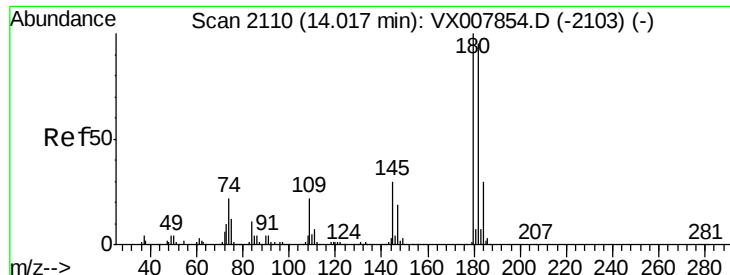
127 16.3 10.3 15.5#

129 10.7 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.541 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007878.D
 Acq: 07 Mar 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

Tgt Ion:	180	Resp:	2129
Ion	Ratio	Lower	Upper
180	100		
182	101.7	47.5	142.5
145	31.3	14.8	44.3

