

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055073.D
 Acq On : 16 Apr 2019 12:55
 Operator : JC/SP
 Sample : K2241-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Quant Time: Apr 17 01:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	582834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	243116	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	193552	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	683826	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	206441	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	2290	0.570	ug/l	91
3) Chloromethane	2.06	50	3729	0.712	ug/l	95
4) Vinyl Chloride	2.18	62	2326	0.528	ug/l	94
5) Bromomethane	2.55	94	2439	0.979	ug/l	92
6) Chloroethane	2.71	64	1780	0.750	ug/l	98
7) Trichlorofluoromethane	3.02	101	3352	0.609	ug/l #	75
8) Diethyl Ether	3.40	74	1167	0.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1949	0.677	ug/l #	81
10) Methyl Iodide	3.95	142	9884	2.211	ug/l	98
11) Tert butyl alcohol	4.82	59	2906	11.289	ug/l #	78
12) 1,1-Dichloroethene	3.72	96	2025	0.722	ug/l	83
13) Acrolein	3.60	56	4291	13.486	ug/l #	81
14) Allyl chloride	4.31	41	3163	0.461	ug/l #	79
15) Acrylonitrile	5.00	53	1787	1.160	ug/l #	1
16) Acetone	3.81	43	5192	4.073	ug/l	93
17) Carbon Disulfide	4.04	76	6557	0.724	ug/l #	85
18) Methyl Acetate	4.33	43	2802	0.328	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	2480	0.247	ug/l	91
20) Methylene Chloride	4.54	84	3170	0.707	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	1030	0.272	ug/l #	15
22) Diisopropyl ether	5.96	45	8231	0.583	ug/l	94
23) Vinyl Acetate	5.90	43	24269	2.602	ug/l #	86
24) 1,1-Dichloroethane	5.84	63	3848	0.512	ug/l #	85
25) 2-Butanone	6.86	43	3950	2.076	ug/l	98
26) 2,2-Dichloropropane	6.81	77	1356	0.286	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	2822	0.658	ug/l	90
28) Bromochloromethane	7.19	49	1680	0.464	ug/l #	61
29) Tetrahydrofuran	7.23	42	3695	2.962	ug/l #	82
30) Chloroform	7.37	83	4554	0.624	ug/l	88
31) Cyclohexane	7.66	56	11864	0.550	ug/l #	23
32) 1,1,1-Trichloroethane	7.56	97	3083	0.533	ug/l #	38
36) 1,1-Dichloropropene	7.79	75	2760	0.502	ug/l #	81
38) Carbon Tetrachloride	7.77	117	3930	0.752	ug/l #	84
39) Methylcyclohexane	9.08	83	3164	0.531	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	9589	0.579	ug/l #	87
41) Methacrylonitrile	7.18	41	1434	0.578	ug/l #	52
42) 1,2-Dichloroethane	8.13	62	4563	0.794	ug/l	80
43) Isopropyl Acetate	8.17	43	4497	0.652	ug/l #	83
44) Trichloroethene	8.83	130	2413	0.582	ug/l	91
45) 1,2-Dichloropropane	9.12	63	2542	0.550	ug/l	91
46) Dibromomethane	9.20	93	1495	0.569	ug/l #	88
47) Bromodichloromethane	9.40	83	3011	0.556	ug/l #	86
48) Methyl methacrylate	9.20	41	2363	0.692	ug/l #	80
49) 1,4-Dioxane	9.20	88	371	11.592	ug/l #	46
51) 4-Methyl-2-Pentanone	9.99	43	10529	2.644	ug/l	94
52) Toluene	10.16	92	5771	0.608	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2218	0.468	ug/l	89
54) cis-1,3-Dichloropropene	9.84	75	2759	0.469	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	2140	0.586	ug/l	93
56) Ethyl methacrylate	10.43	69	2639	0.602	ug/l #	76
57) 1,3-Dichloropropane	10.71	76	3977	0.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3779	12.615	ug/l	90
59) 2-Hexanone	10.75	43	6271	2.507	ug/l	98
60) Dibromochloromethane	10.90	129	1788	0.501	ug/l	87
61) 1,2-Dibromoethane	11.00	107	1735	0.516	ug/l	92
64) Tetrachloroethene	10.63	164	2608	0.638	ug/l #	88
65) Chlorobenzene	11.43	112	5634	0.556	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	1875	0.503	ug/l #	63
67) Ethyl Benzene	11.51	91	10274	0.568	ug/l	91
68) m/p-Xylenes	11.62	106	6985	1.067	ug/l	98
69) o-Xylene	11.95	106	3375	0.532	ug/l	94
70) Styrene	11.96	104	5198	0.506	ug/l	95
71) Bromoform	12.13	173	1041	0.488	ug/l #	29
73) Isopropylbenzene	12.25	105	8948	0.632	ug/l	96
74) N-amyl acetate	12.07	43	2945	0.739	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	2523	0.666	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	3289	1.146	ug/l #	100
77) Bromobenzene	12.53	156	2212	0.627	ug/l	74
78) n-propylbenzene	12.59	91	9850	0.644	ug/l	99
79) 2-Chlorotoluene	12.67	91	6599	0.692	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	7922	0.693	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	105768	147.399	ug/l #	2
82) 4-Chlorotoluene	12.77	91	5673	0.637	ug/l	100
83) tert-Butylbenzene	12.99	119	5858	0.607	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	6104	0.564	ug/l	96
85) sec-Butylbenzene	13.17	105	7545	0.614	ug/l	99
86) p-Isopropyltoluene	13.29	119	6334	0.600	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3661	0.682	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	3661	0.716	ug/l	94
89) n-Butylbenzene	13.62	91	5076	0.648	ug/l	100
90) Hexachloroethane	13.87	117	1173	0.683	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	3263	0.604	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	301	0.645	ug/l #	52
93) 1,2,4-Trichlorobenzene	14.91	180	1587	3.291	ug/l	97

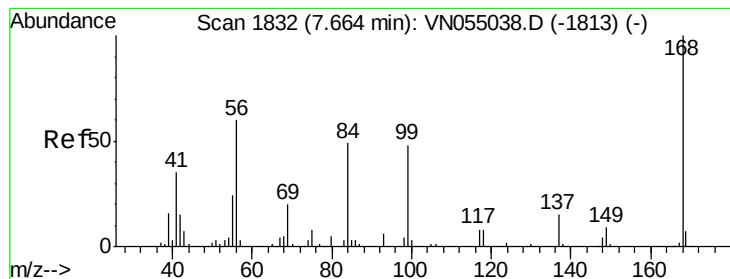
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1501	0.900	ug/l	90
95) Naphthalene	15.13	128	3028	3.576	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1825	0.876	ug/l #	58

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

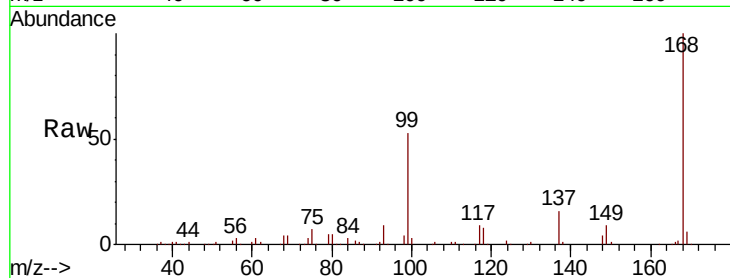
MDL-MDL-WATER-03-QT2-2019

Tot Ion:168 Resp: 353310

Ion Ratio Lower Upper

168 100

99 53.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

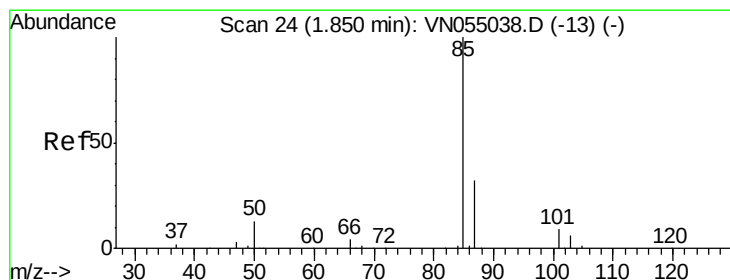
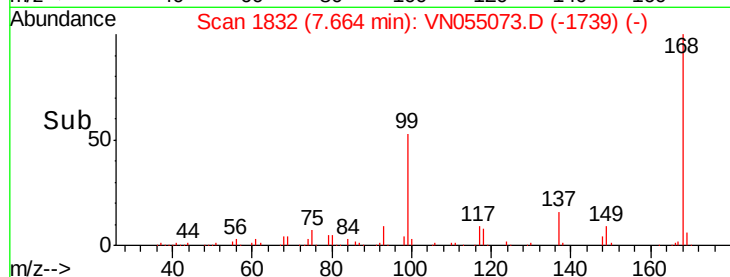
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.570 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055073.D

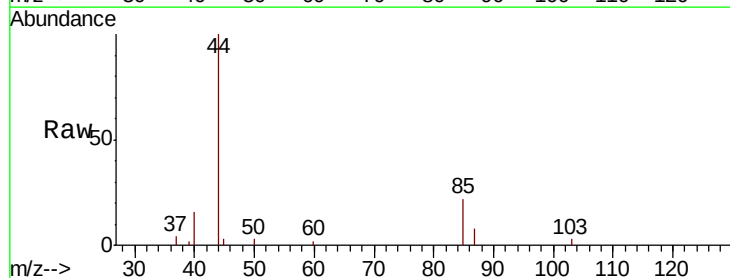
Acq: 16 Apr 2019 12:55

Tgt Ion: 85 Resp: 2290

Ion Ratio Lower Upper

85 100

87 37.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055038.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055038.D (-13) (-)

1.85

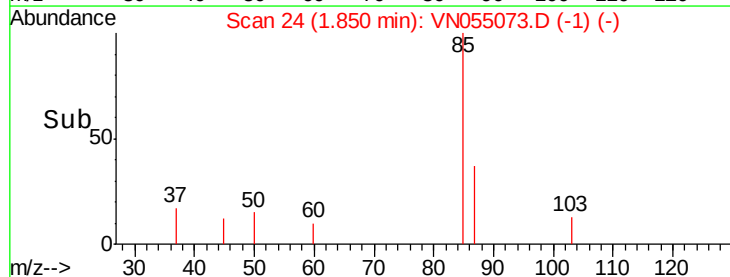
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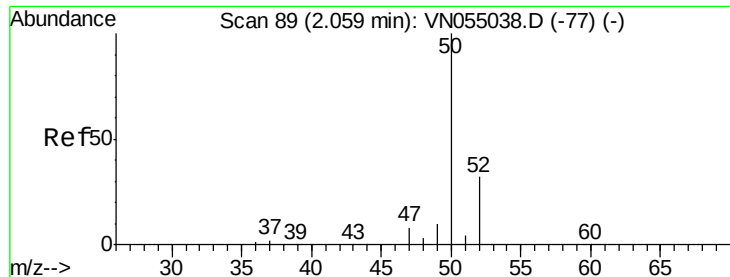
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.712 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

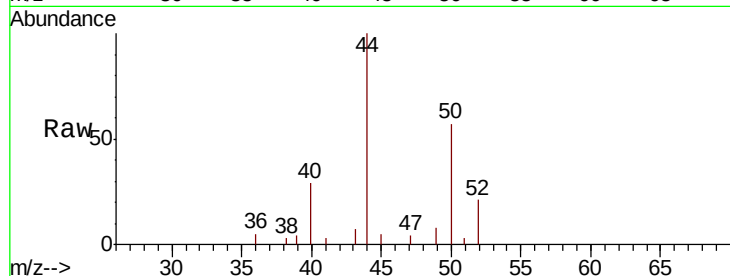
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 50 Resp: 3729

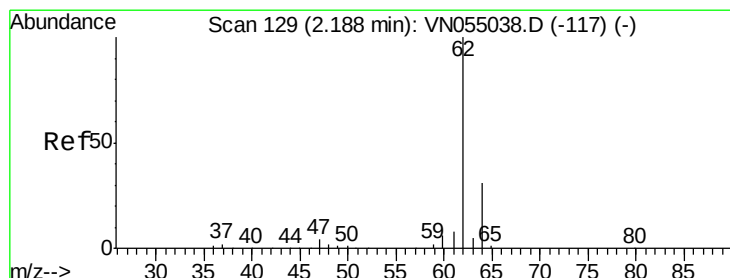
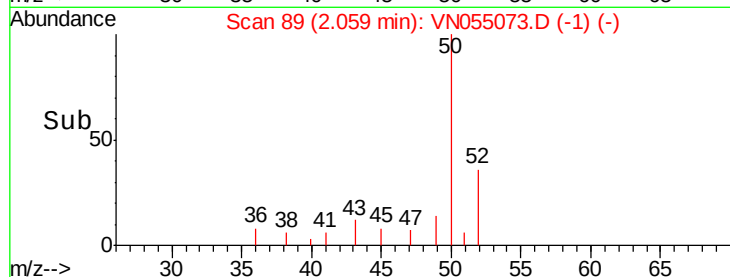
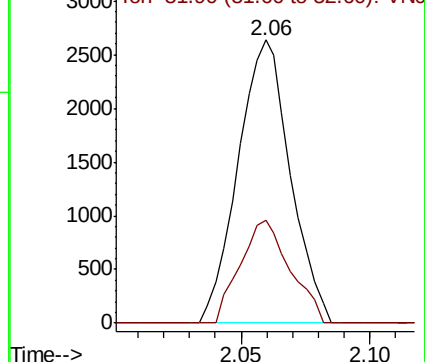
Ion Ratio Lower Upper

50 100

52 36.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.528 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055073.D

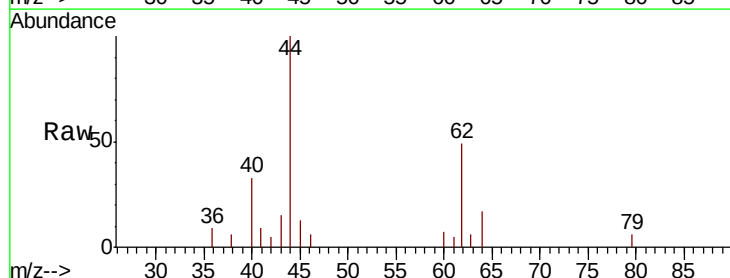
Acq: 16 Apr 2019 12:55

Tgt Ion: 62 Resp: 2326

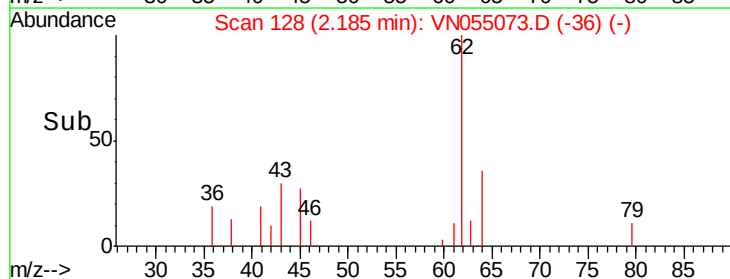
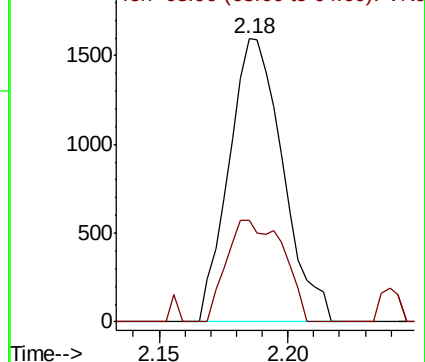
Ion Ratio Lower Upper

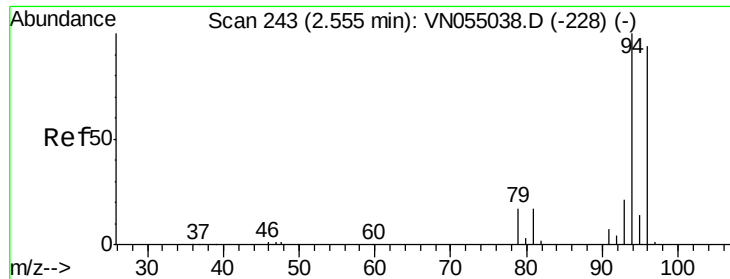
62 100

64 35.8 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

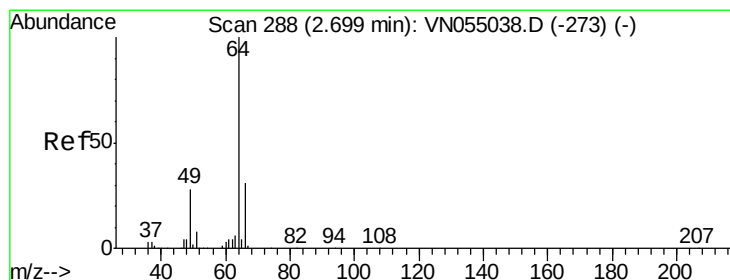
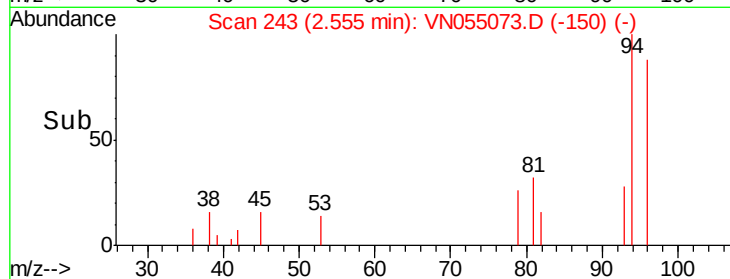
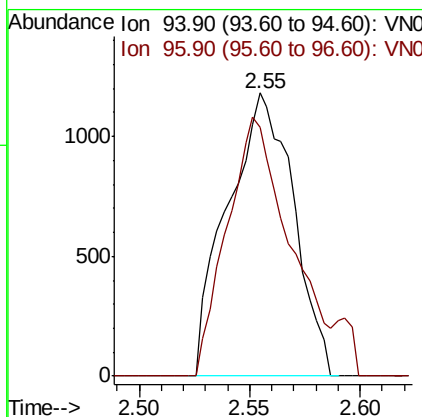
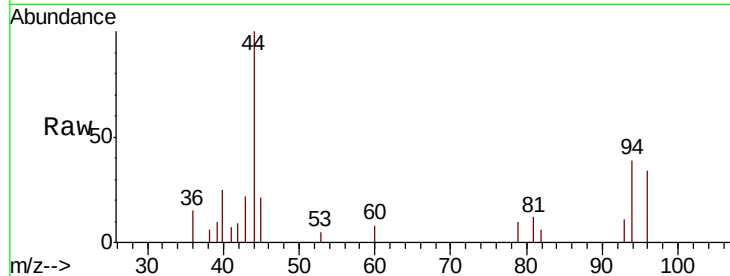




#5
Bromomethane
Concen: 0.979 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

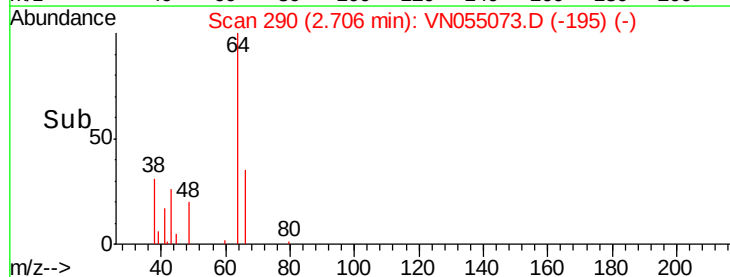
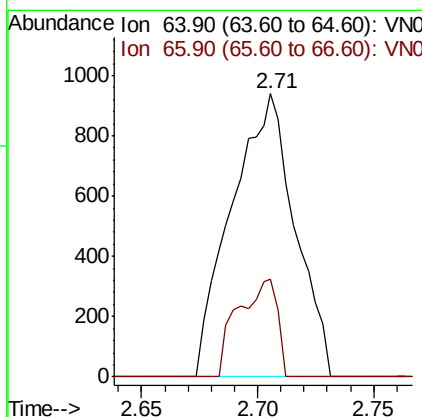
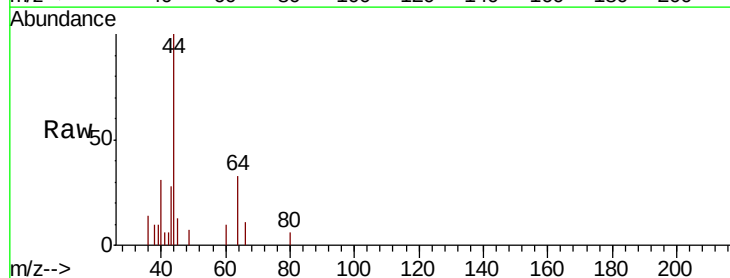
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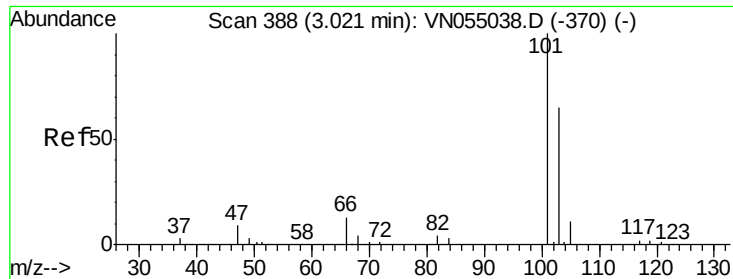
Tot Ion: 94 Resp: 2439
Ion Ratio Lower Upper
94 100
96 87.9 76.2 114.4



#6
Chloroethane
Concen: 0.750 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 64 Resp: 1780
Ion Ratio Lower Upper
64 100
66 34.5 26.6 40.0





#7

Trichlorofluoromethane

Concen: 0.609 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

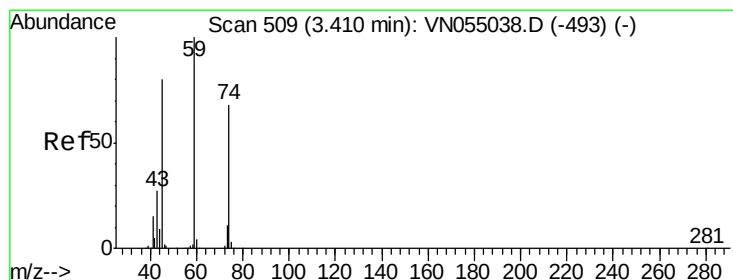
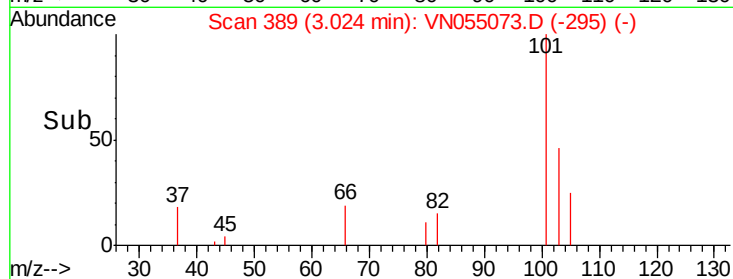
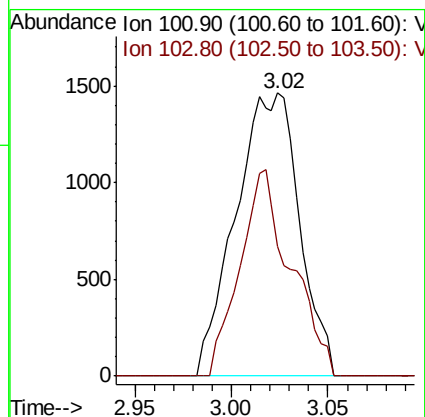
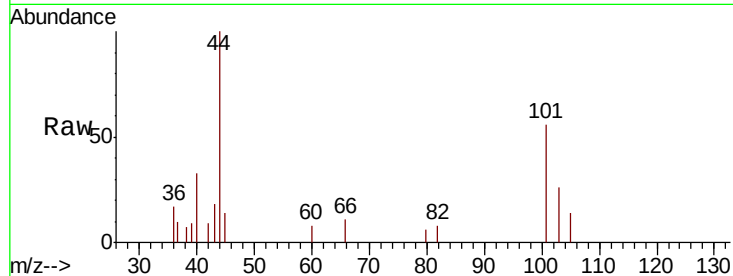
MDL-MDL-WATER-03-QT2-2019

Tot Ion:101 Resp: 3352

Ion Ratio Lower Upper

101 100

103 46.0 52.5 78.7#



#8

Diethyl Ether

Concen: 0.664 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.01 min

Lab File: VN055073.D

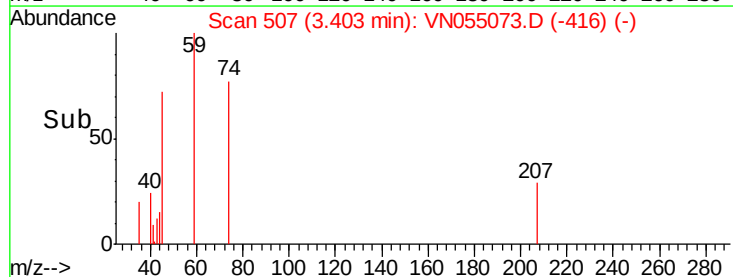
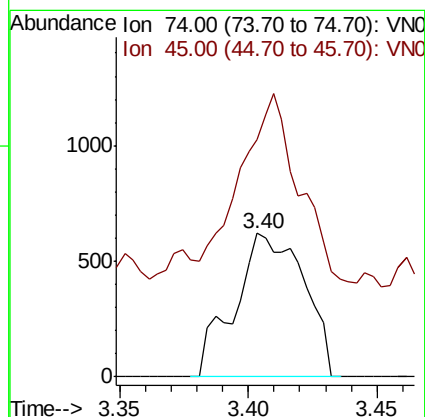
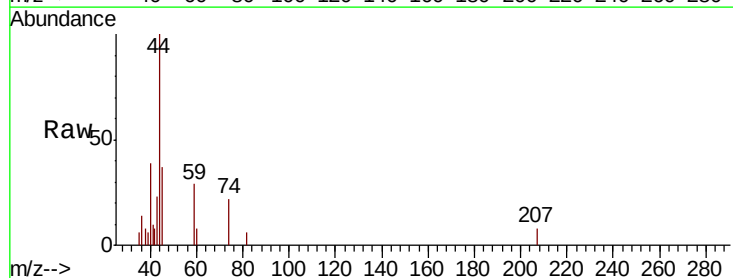
Acq: 16 Apr 2019 12:55

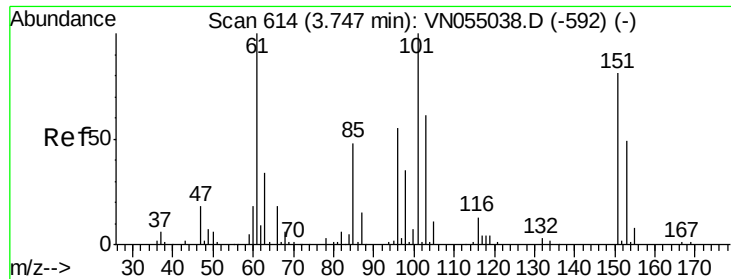
Tgt Ion: 74 Resp: 1167

Ion Ratio Lower Upper

74 100

45 111.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.677 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

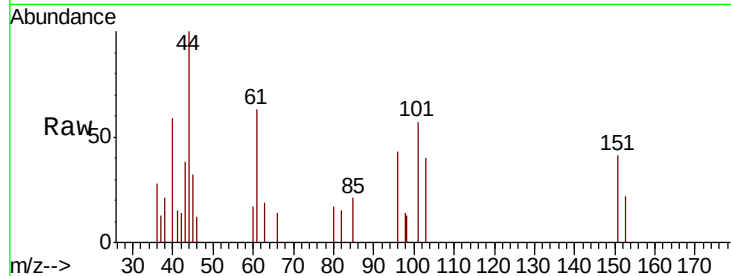
Tot Ion:101 Resp: 1949

Ion Ratio Lower Upper

101 100

85 44.9 36.9 55.3

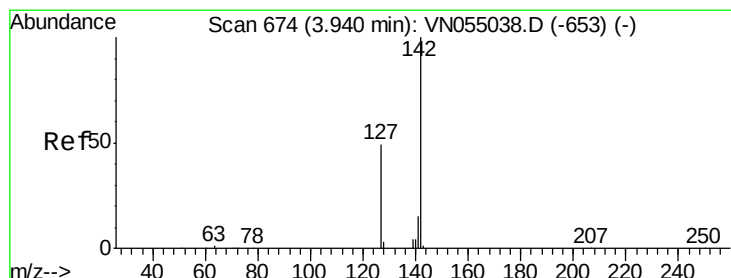
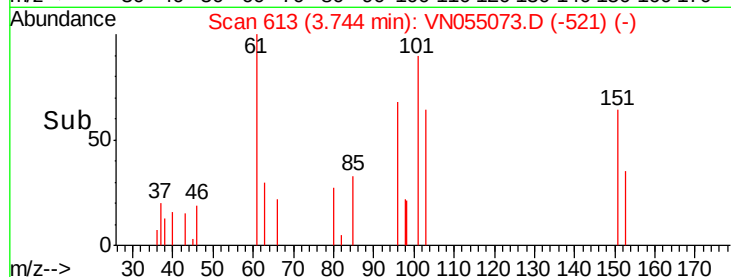
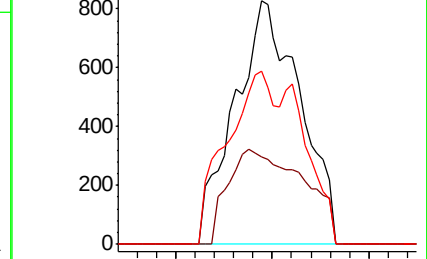
151 54.3 64.4 96.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.211 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

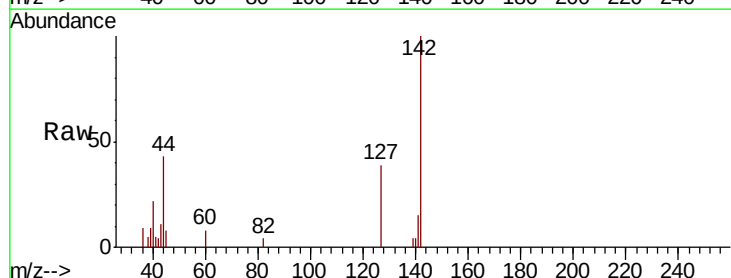
Tgt Ion:142 Resp: 9884

Ion Ratio Lower Upper

142 100

127 48.0 37.9 56.9

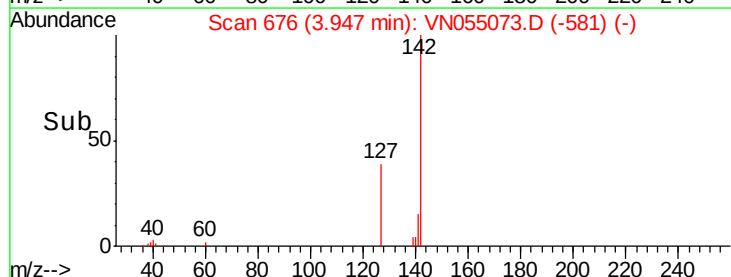
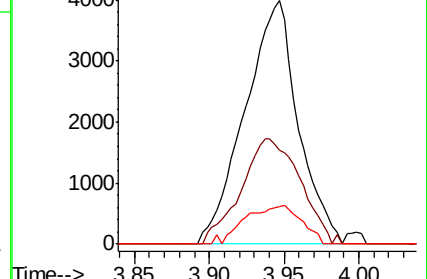
141 16.7 11.8 17.8

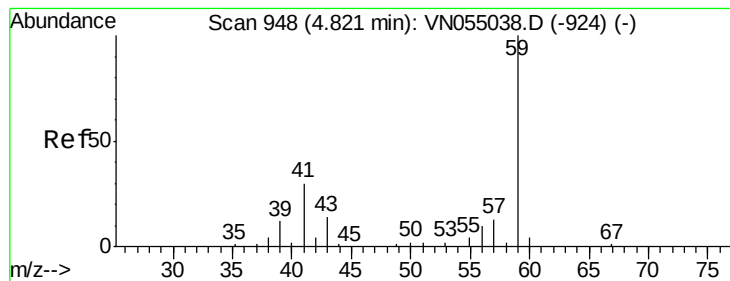


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



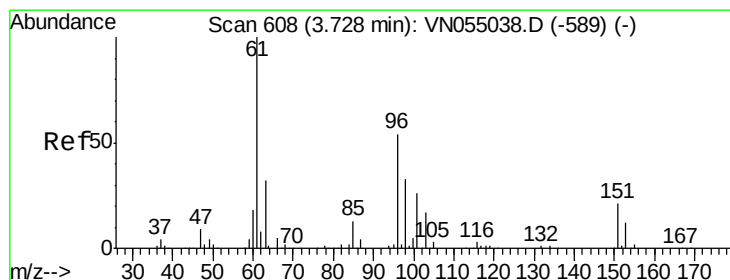
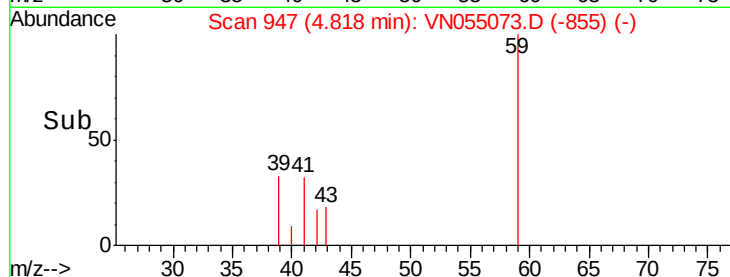
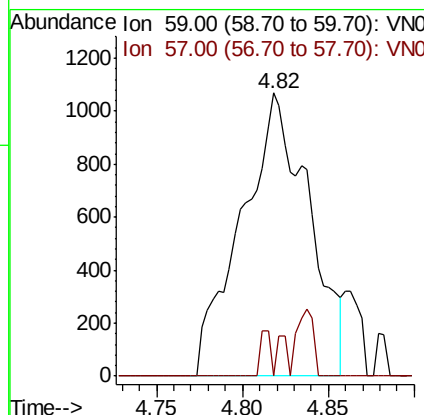
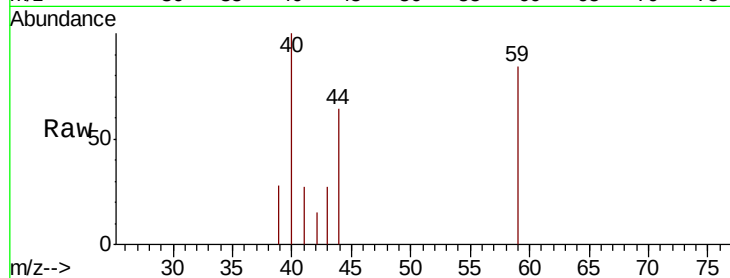


#11

Tert butyl alcohol
 Concen: 11.289 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

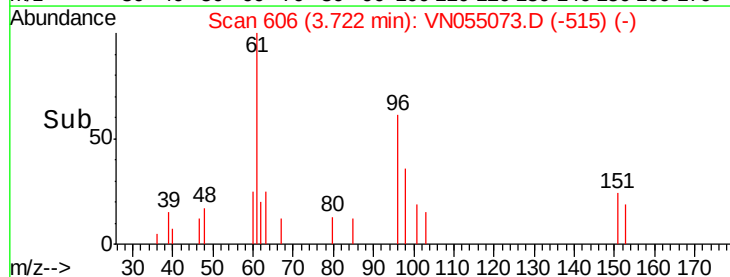
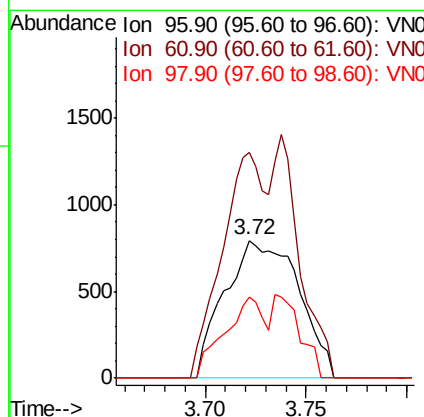
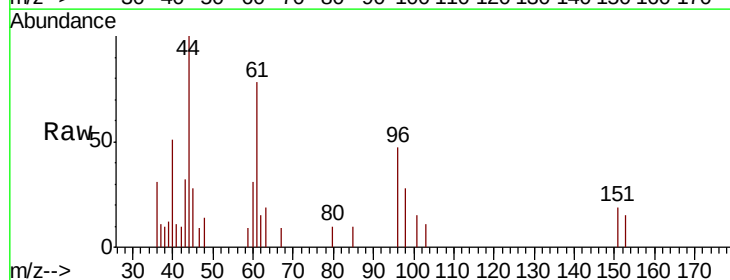
Tot Ion: 59 Resp: 2906
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.3 12.5#

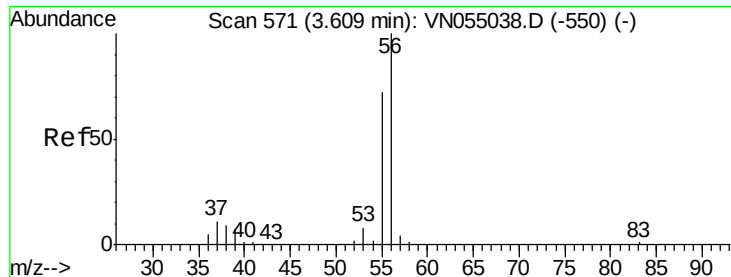


#12

1,1-Dichloroethene
 Concen: 0.722 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 96 Resp: 2025
 Ion Ratio Lower Upper
 96 100
 61 164.5 154.2 231.4
 98 58.9 52.9 79.3





#13

Acrolein

Concen: 13.486 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

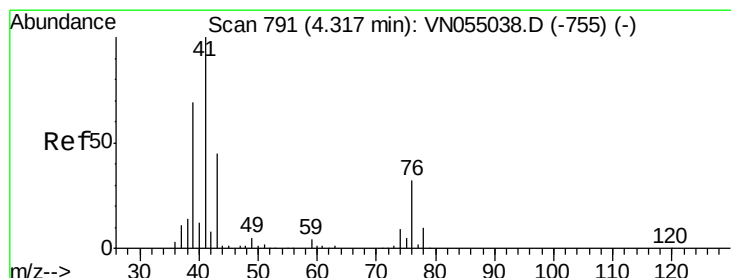
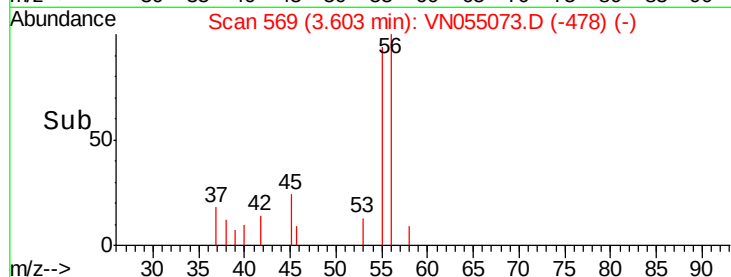
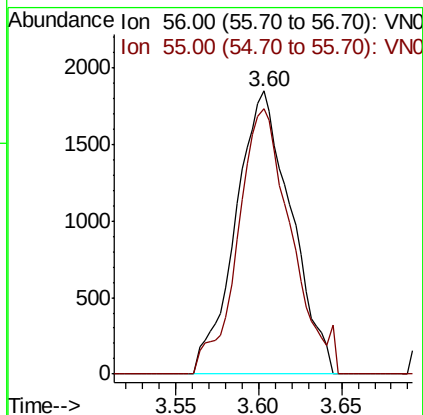
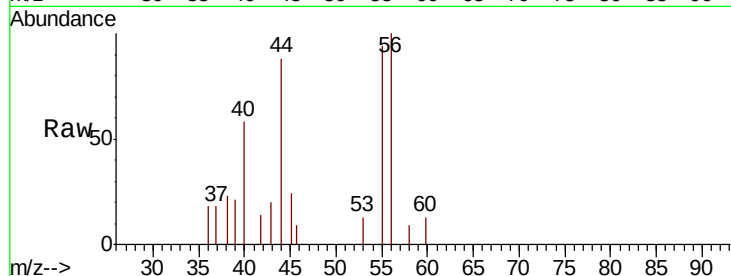
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 56 Resp: 4291

Ion Ratio Lower Upper

56 100

55 90.1 59.5 89.3#



#14

Allyl chloride

Concen: 0.461 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

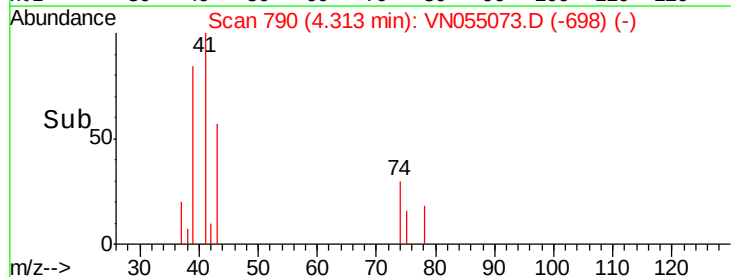
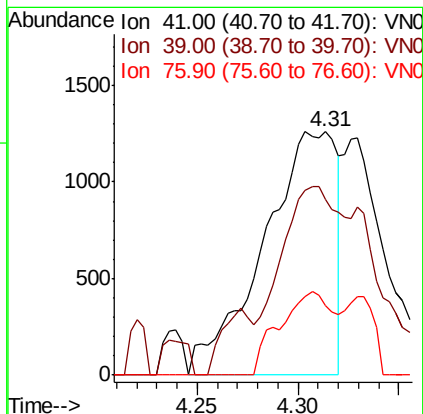
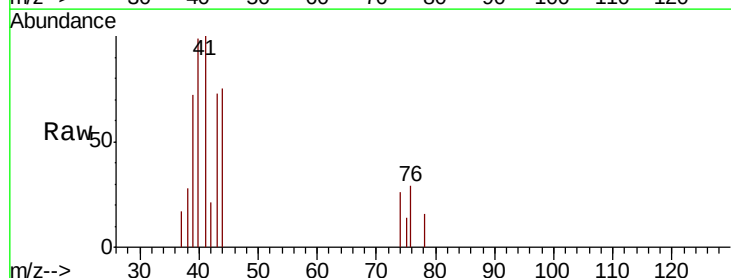
Tgt Ion: 41 Resp: 3163

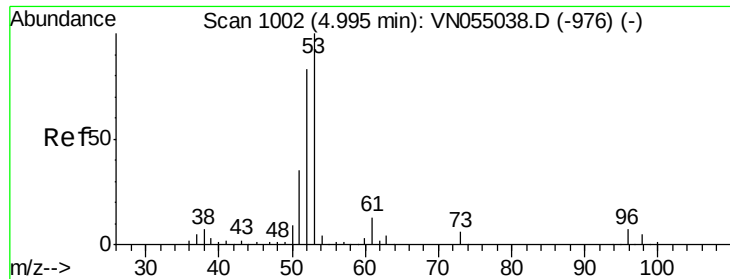
Ion Ratio Lower Upper

41 100

39 44.9 52.7 79.1#

76 25.0 23.2 34.8

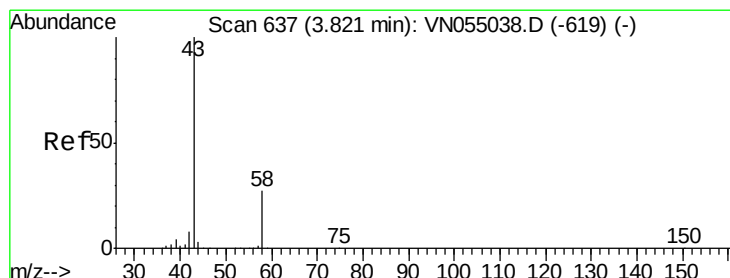
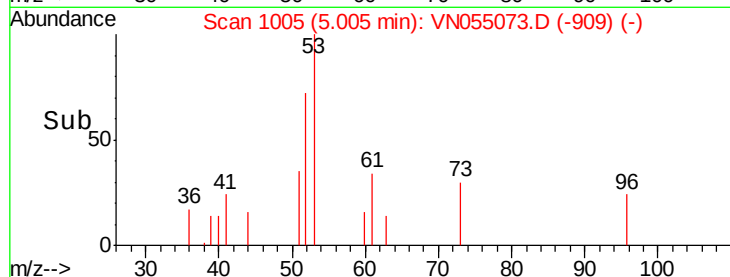
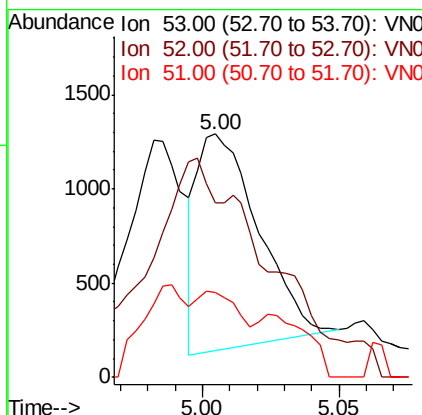
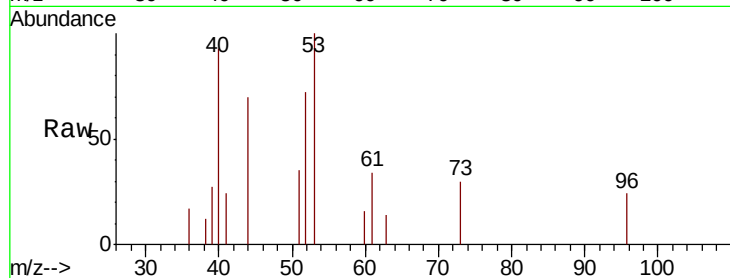




#15
 Acrylonitrile
 Concen: 1.160 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

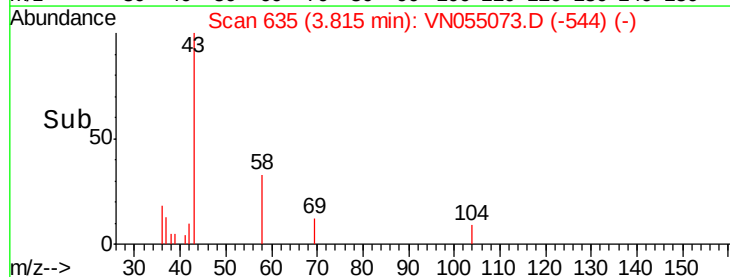
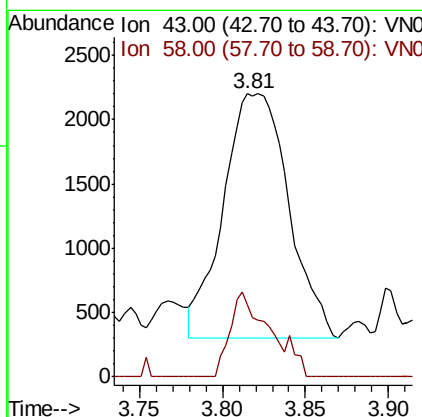
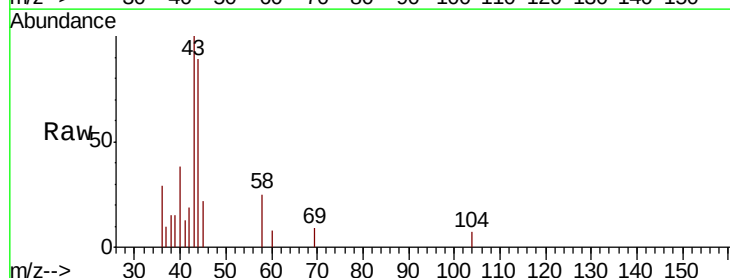
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

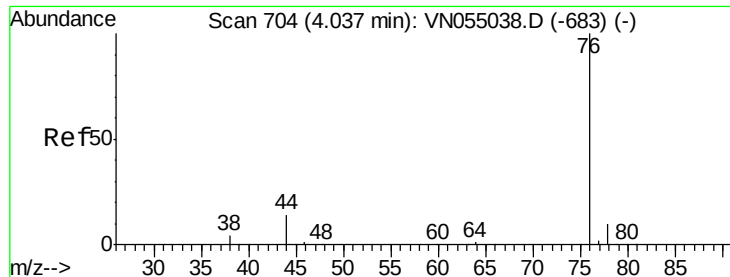
Tot Ion: 53 Resp: 1787
 Ion Ratio Lower Upper
 53 100
 52 210.7 65.9 98.9#
 51 0.0 29.7 44.5#



#16
 Acetone
 Concen: 4.073 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 43 Resp: 5192
 Ion Ratio Lower Upper
 43 100
 58 29.6 20.9 31.3





#17

Carbon Disulfide

Concen: 0.724 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

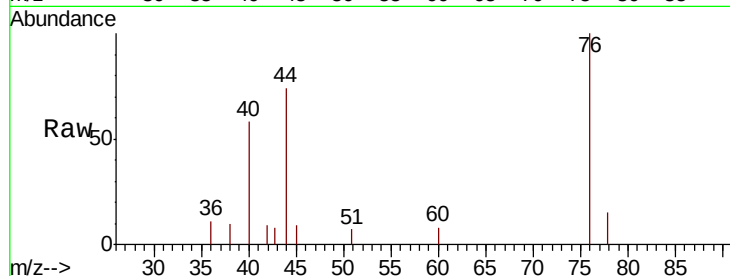
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 76 Resp: 6557

Ion Ratio Lower Upper

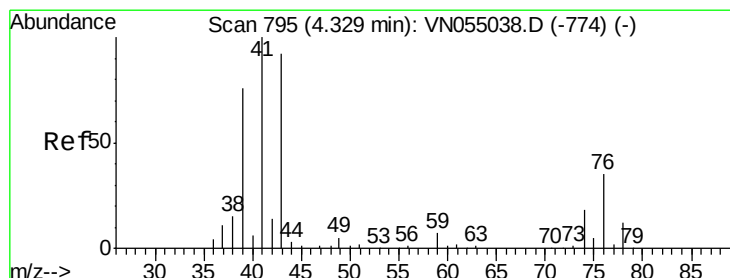
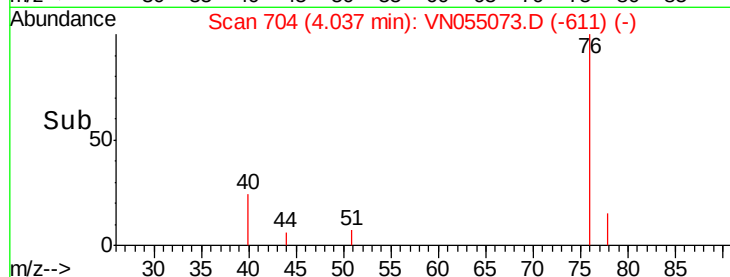
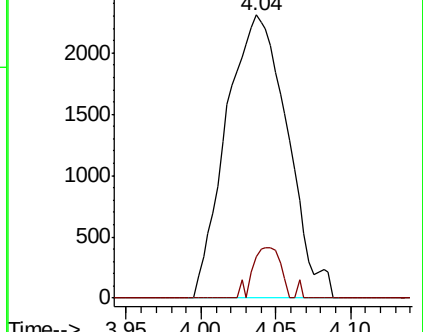
76 100

78 14.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.328 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055073.D

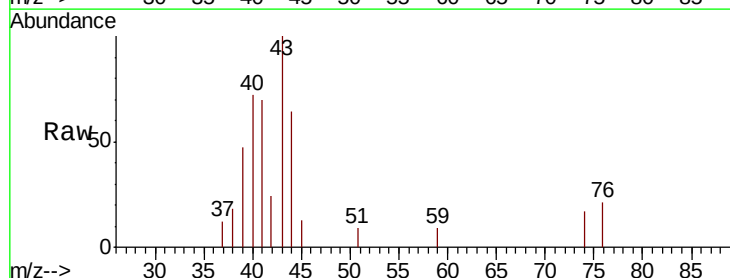
Acq: 16 Apr 2019 12:55

Tgt Ion: 43 Resp: 2802

Ion Ratio Lower Upper

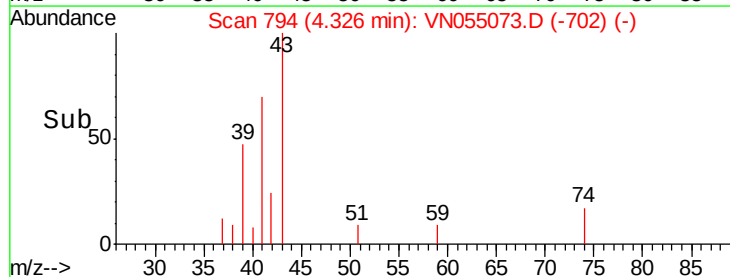
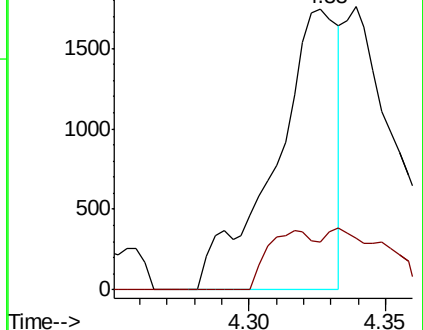
43 100

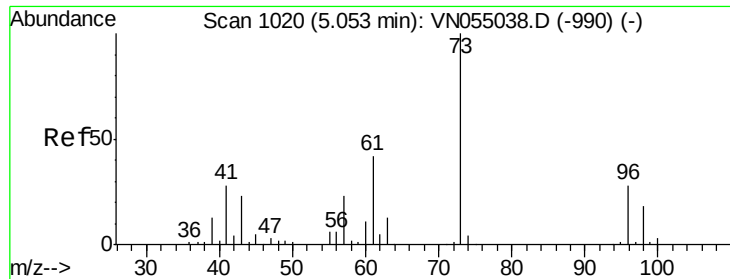
74 20.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

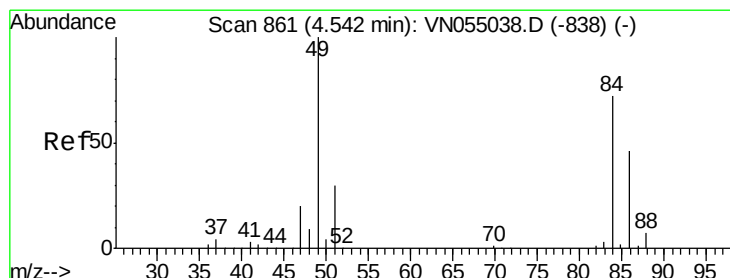
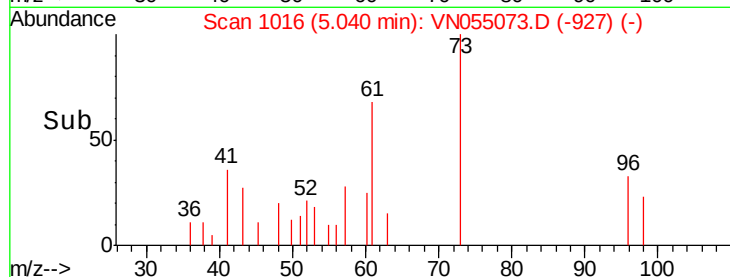
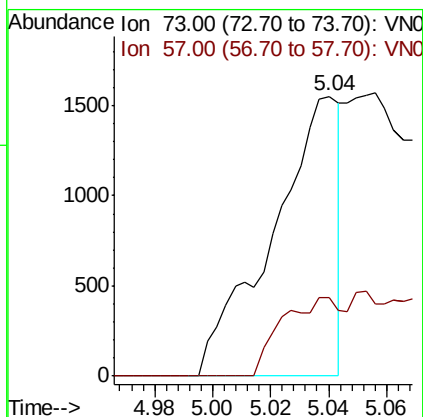
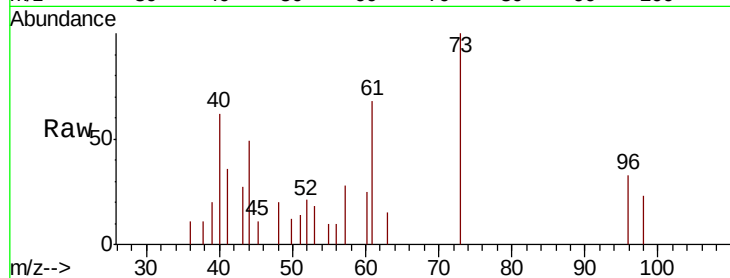




#19
Methvl tert-butyl Ether
Concen: 0.247 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

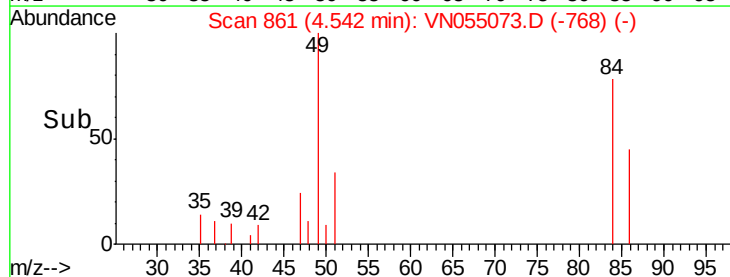
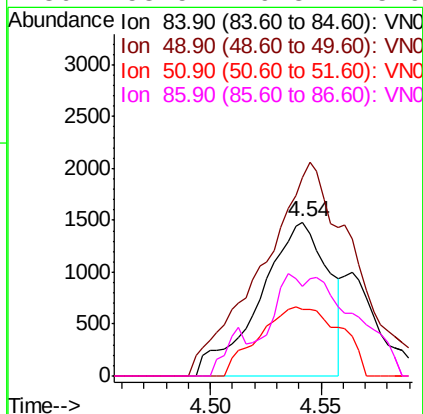
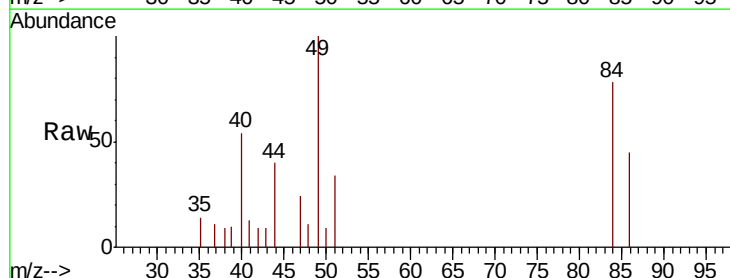
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

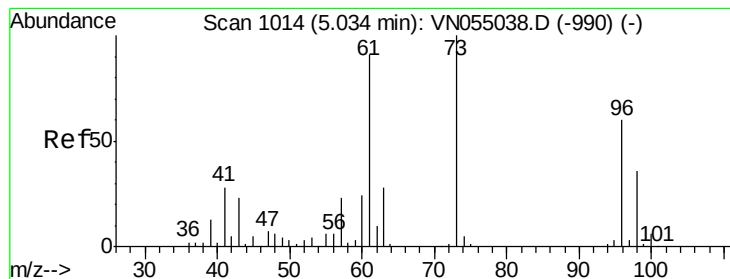
Tot Ion: 73 Resp: 2480
Ion Ratio Lower Upper
73 100
57 28.2 19.0 28.4



#20
Methylene Chloride
Concen: 0.707 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 84 Resp: 3170
Ion Ratio Lower Upper
84 100
49 128.8 109.4 164.2
51 43.4 32.2 48.4
86 58.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 0.272 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

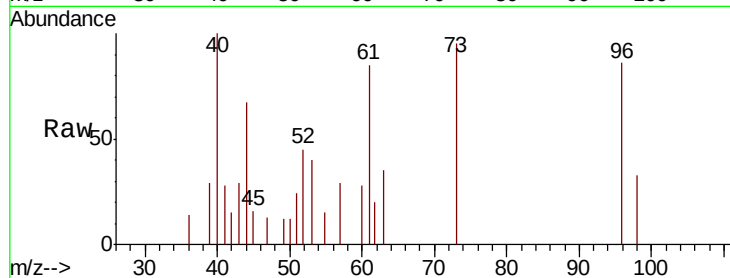
Tot Ion: 96 Resp: 1030

Ion Ratio Lower Upper

96 100

61 28.5 114.9 172.3#

98 11.3 48.4 72.6#

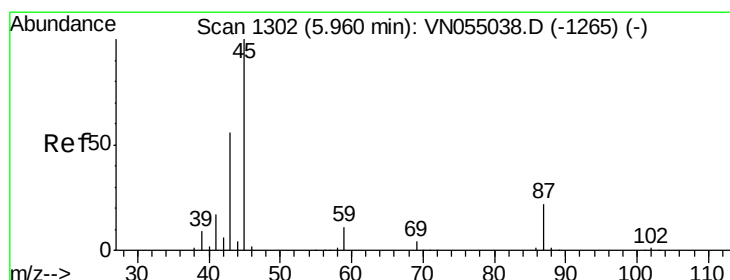
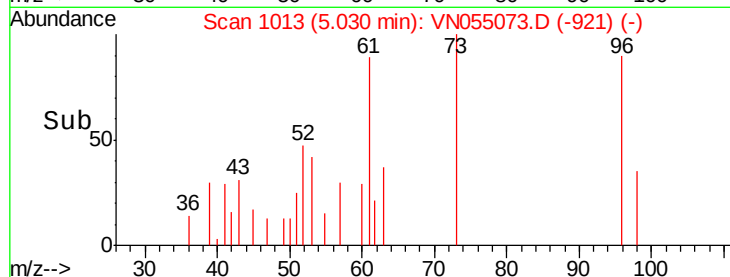
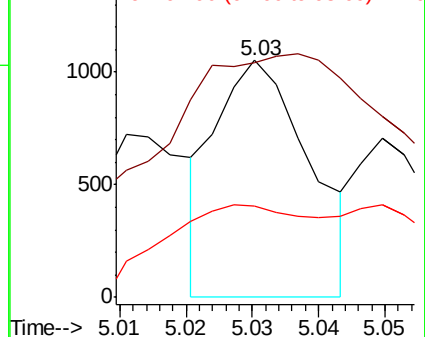


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 0.583 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Tgt Ion: 45 Resp: 8231

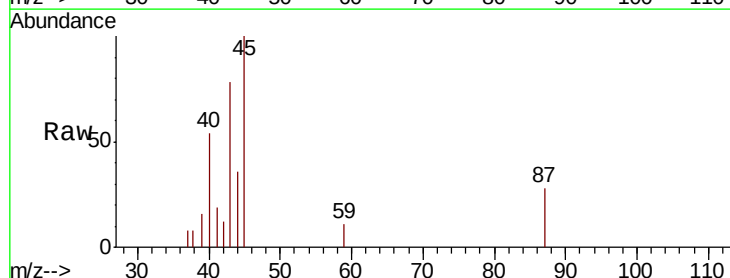
Ion Ratio Lower Upper

45 100

43 60.2 44.8 67.2

87 28.1 18.9 28.3

59 10.8 7.9 11.9



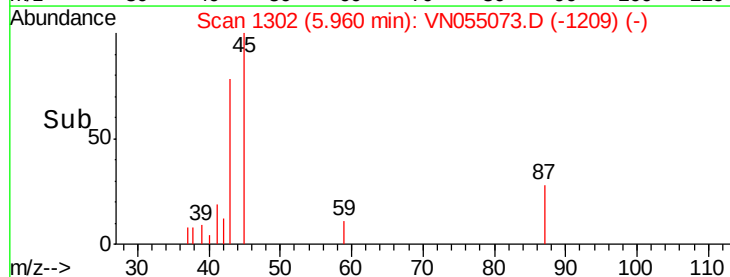
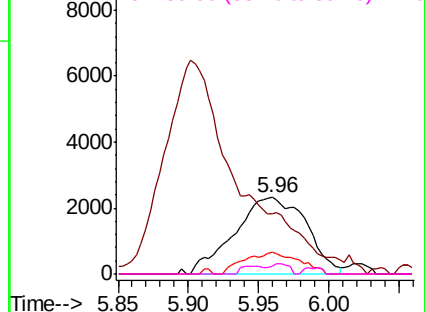
Abundance

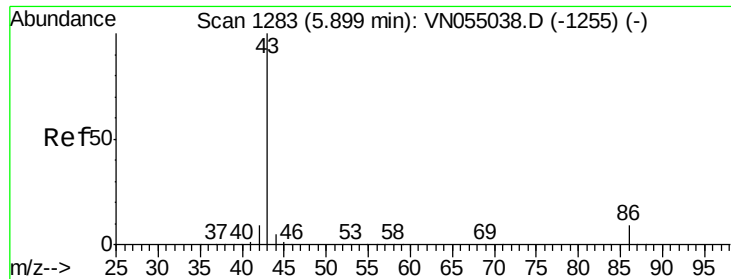
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

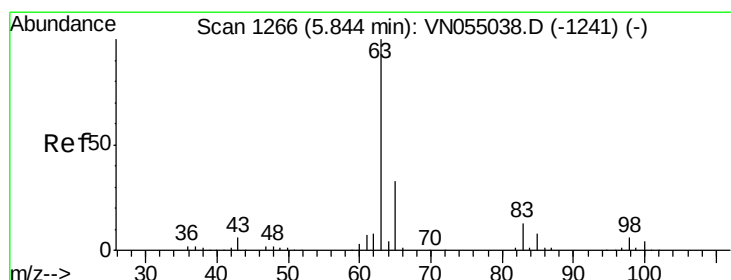
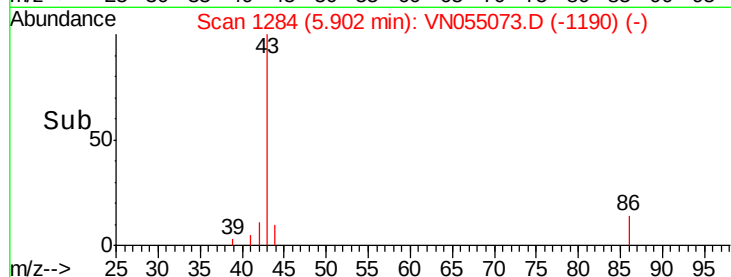
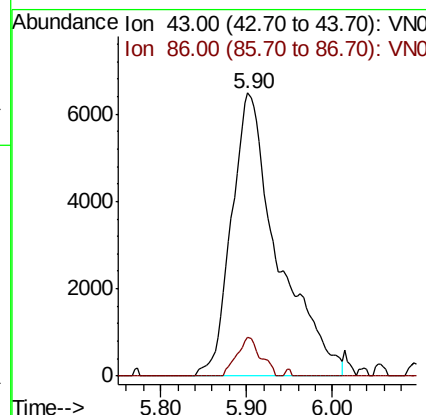
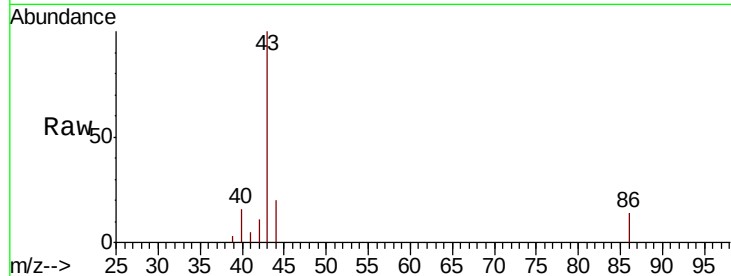




#23
 Vinyl Acetate
 Concen: 2.602 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

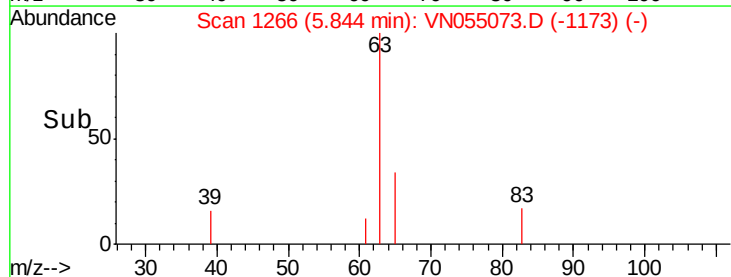
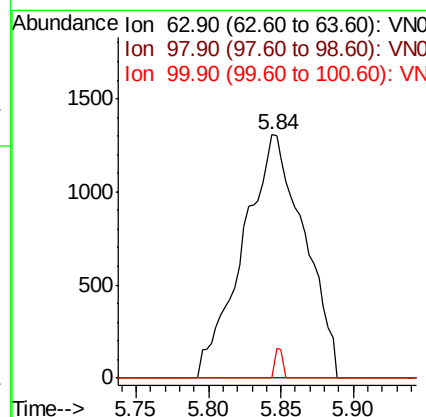
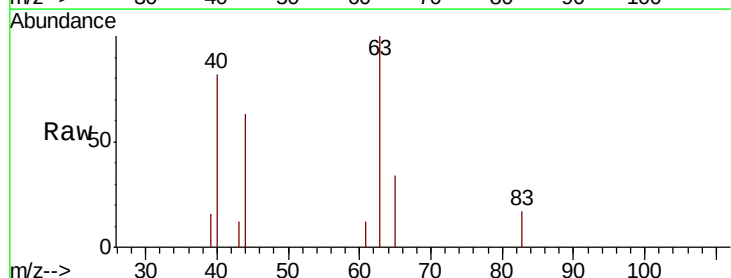
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

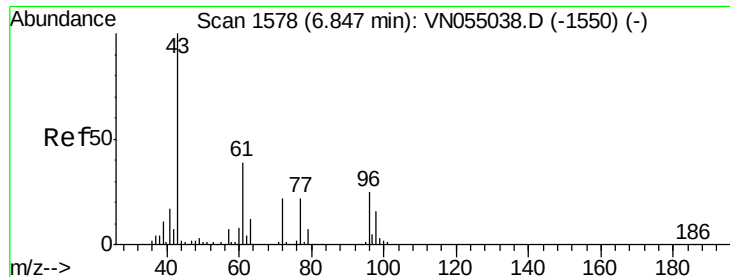
Tot Ion: 43 Resp: 24269
 Ion Ratio Lower Upper
 43 100
 86 13.9 7.0 10.4#



#24
 1,1-Dichloroethane
 Concen: 0.512 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 63 Resp: 3848
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.8 8.4#
 100 0.0 2.0 5.8#

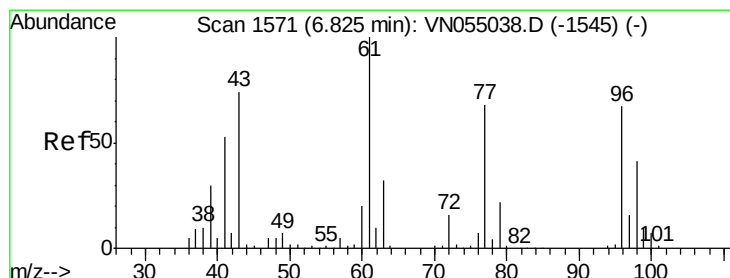
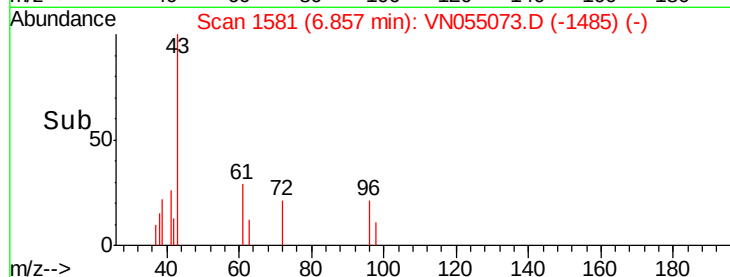
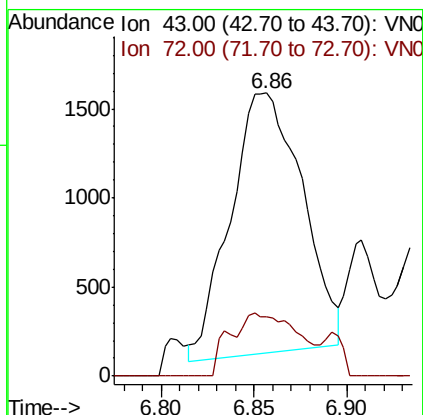
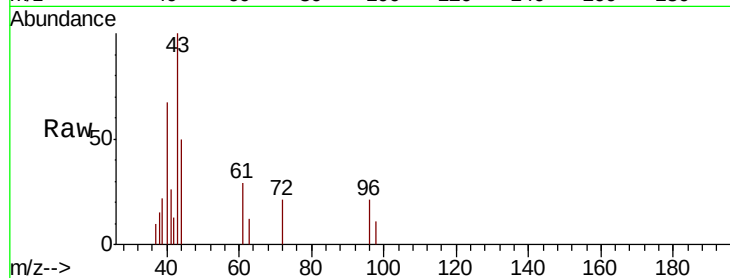




#25
 2-Butanone
 Concen: 2.076 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

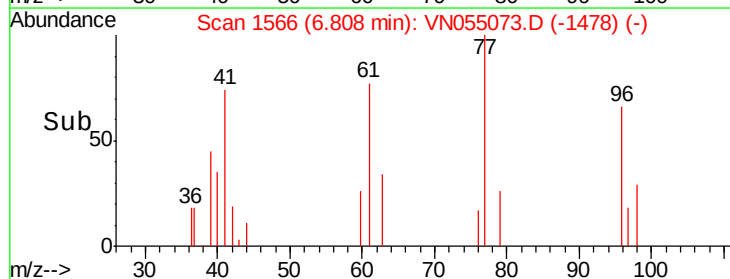
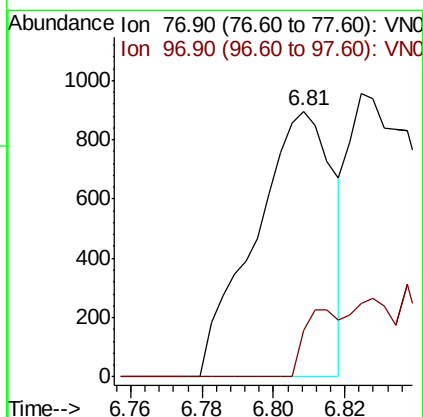
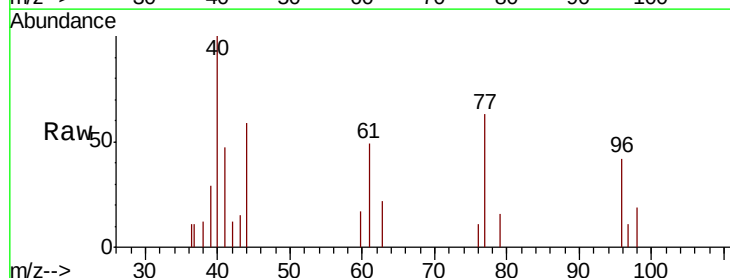
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

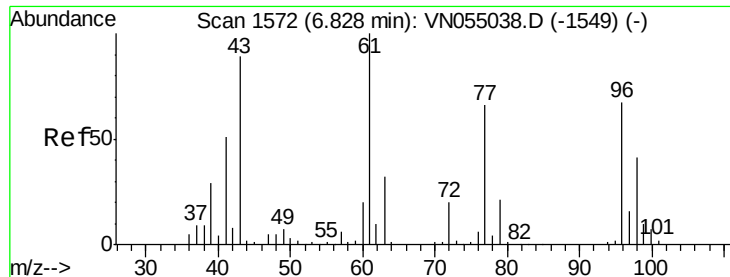
Tot Ion: 43 Resp: 3950
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.1 27.1



#26
 2,2-Dichloropropane
 Concen: 0.286 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 77 Resp: 1356
 Ion Ratio Lower Upper
 77 100
 97 11.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 0.658 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

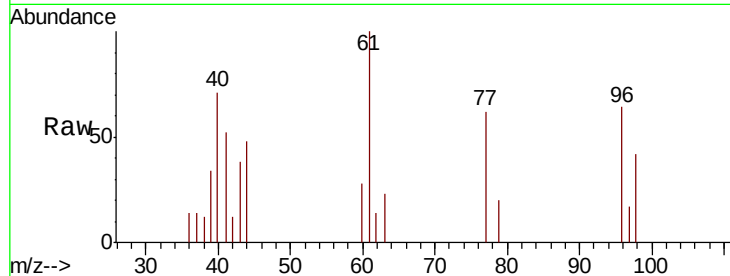
Tot Ion: 96 Resp: 2822

Ion Ratio Lower Upper

96 100

61 146.6 0.0 311.0

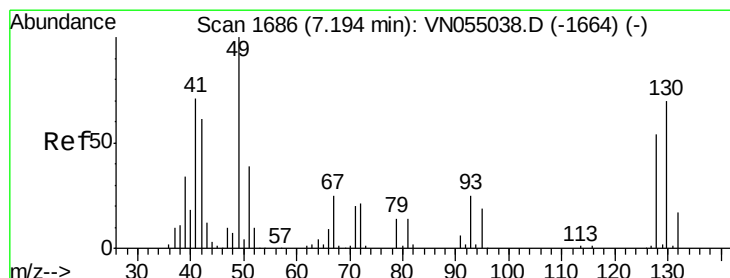
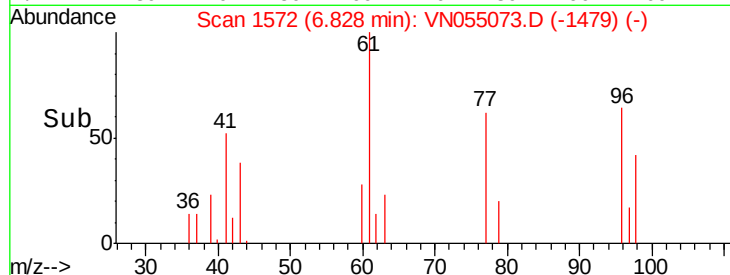
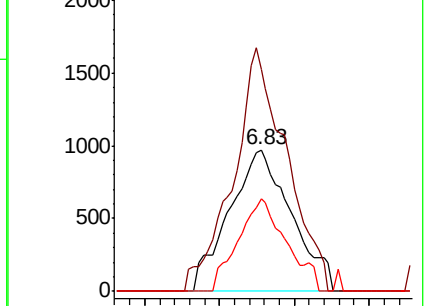
98 50.5 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.464 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

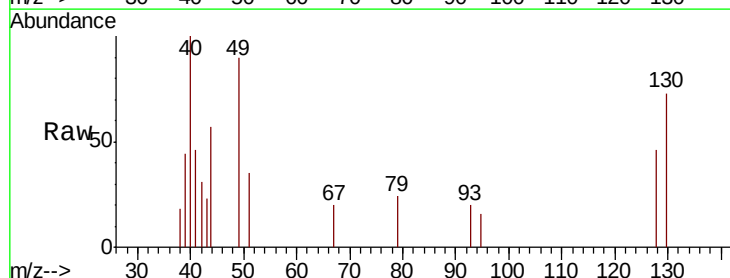
Tgt Ion: 49 Resp: 1680

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

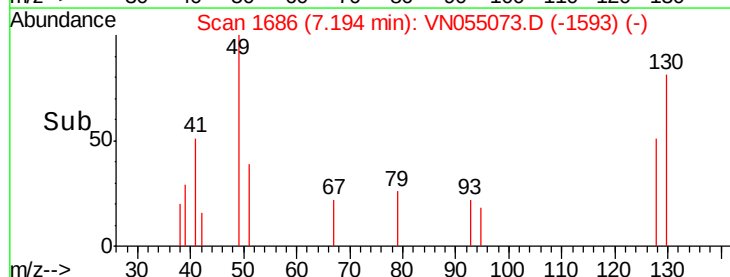
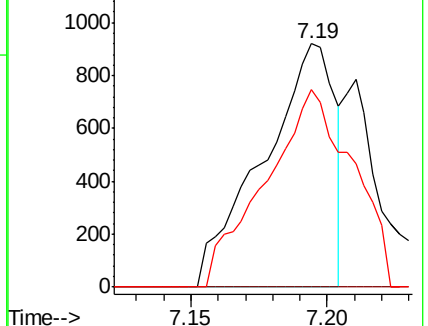
130 98.6 53.4 80.2#

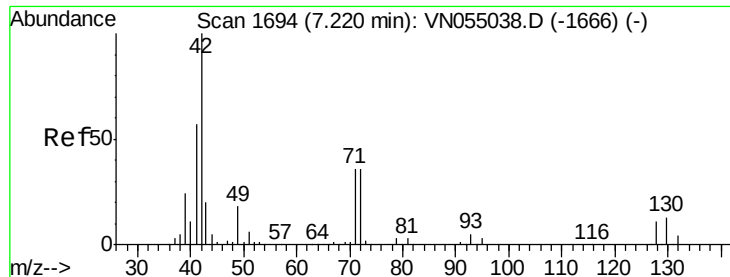


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

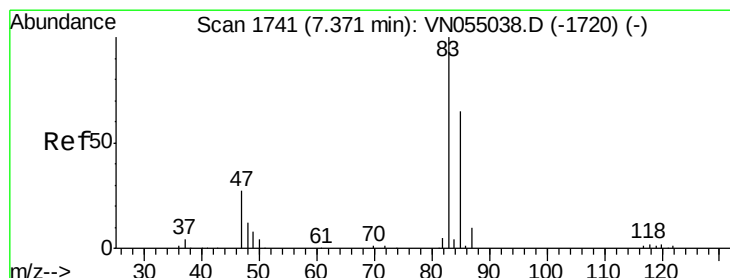
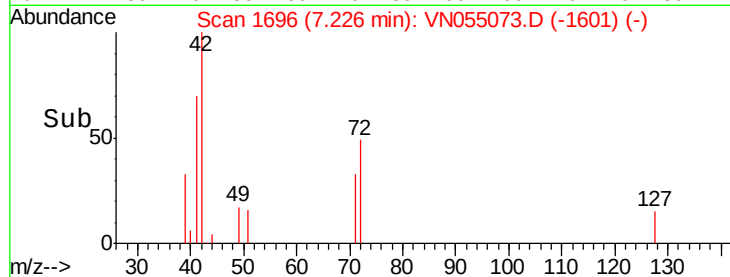
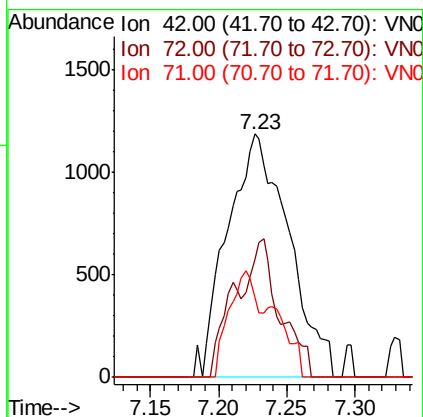
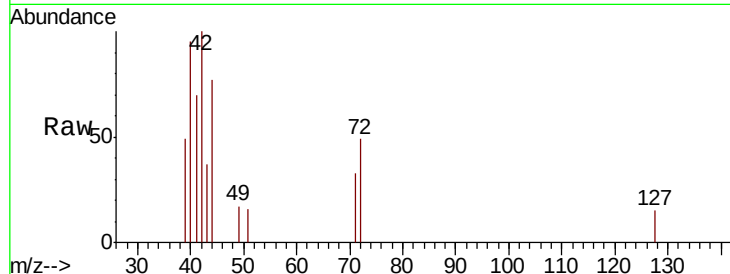




#29
Tetrahydrofuran
Concen: 2.962 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

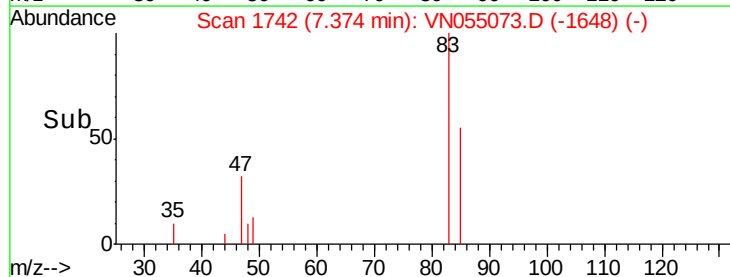
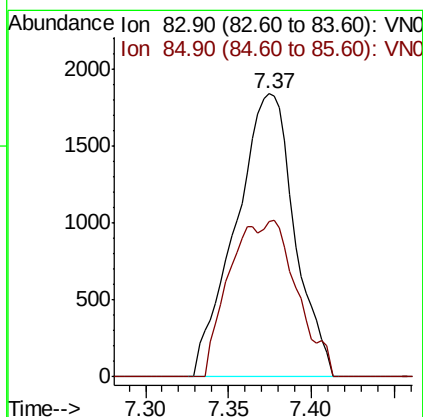
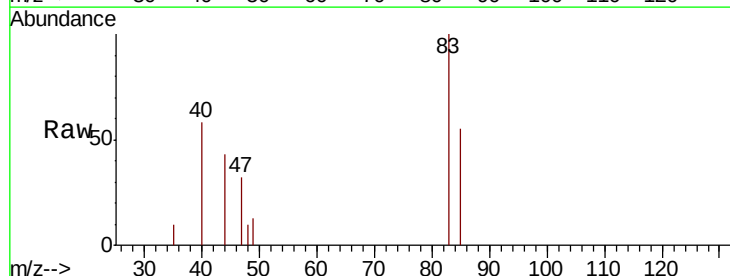
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

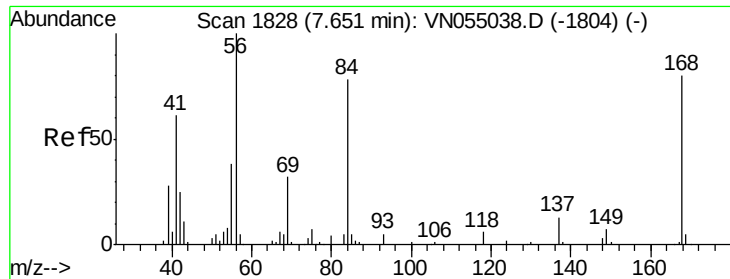
Tot Ion: 42 Resp: 3695
Ion Ratio Lower Upper
42 100
72 29.0 29.4 44.0#
71 21.1 27.8 41.6#



#30
Chloroform
Concen: 0.624 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 83 Resp: 4554
Ion Ratio Lower Upper
83 100
85 55.1 51.8 77.6

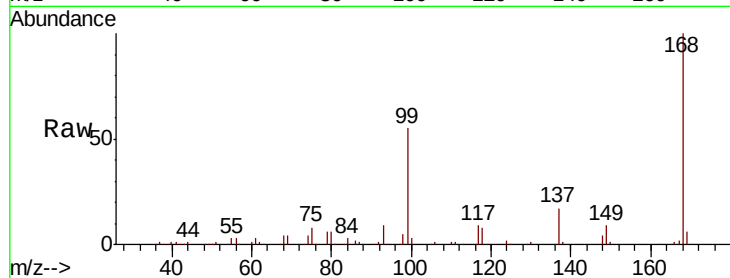




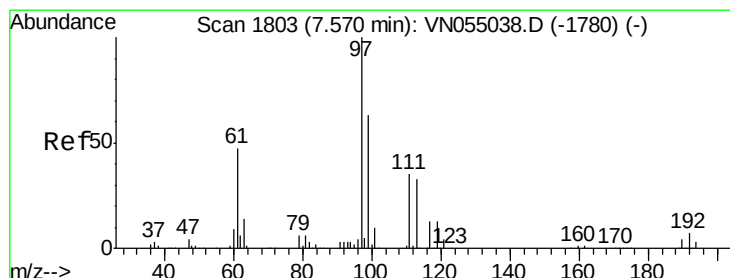
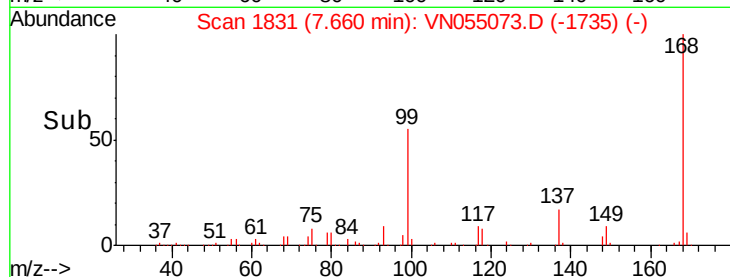
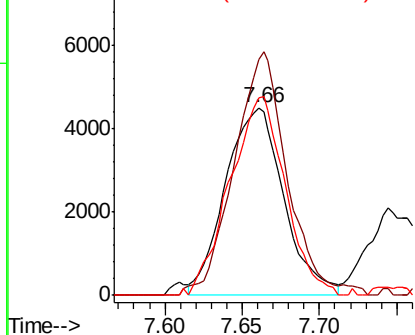
#31
Cyclohexane
Concen: 0.550 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 56 Resp: 11864
Ion Ratio Lower Upper
56 100
69 127.7 24.5 36.7#
84 111.3 62.9 94.3#

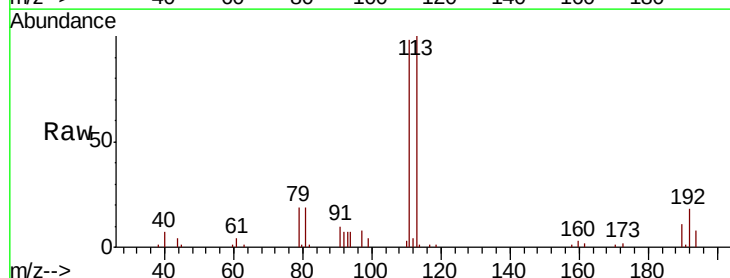


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

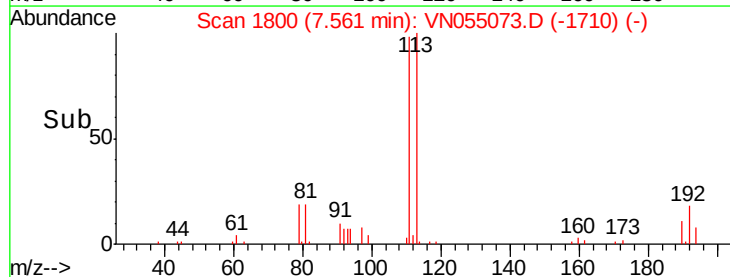
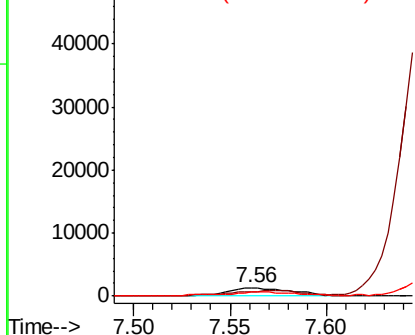


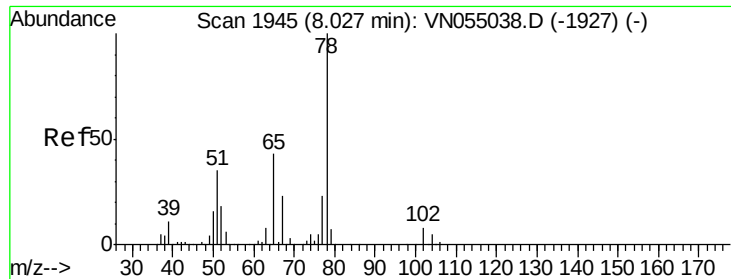
#32
1,1,1-Trichloroethane
Concen: 0.533 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 97 Resp: 3083
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 23.8 38.3 57.5#



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

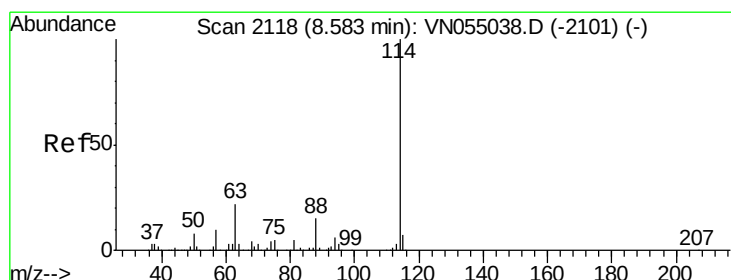
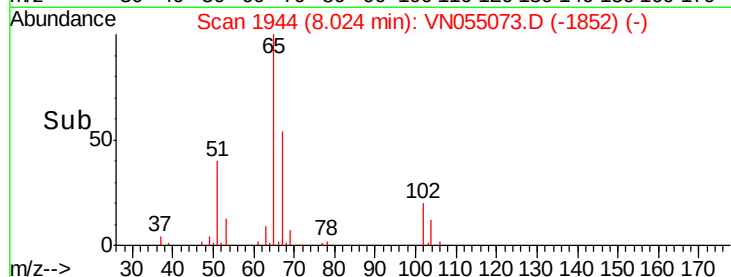
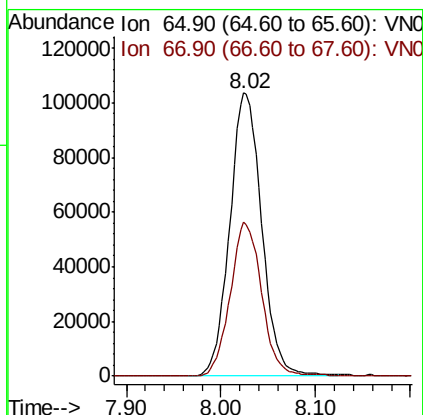
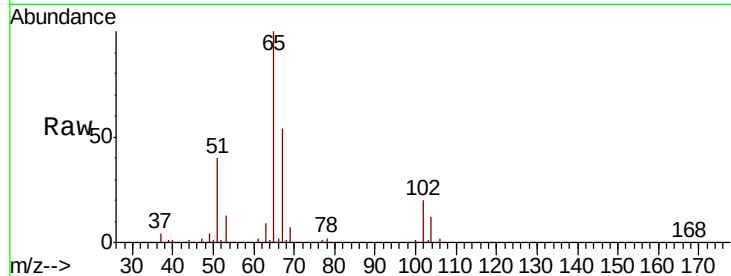




#33
 1,2-Dichloroethane-d4
 Concen: 51.767 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

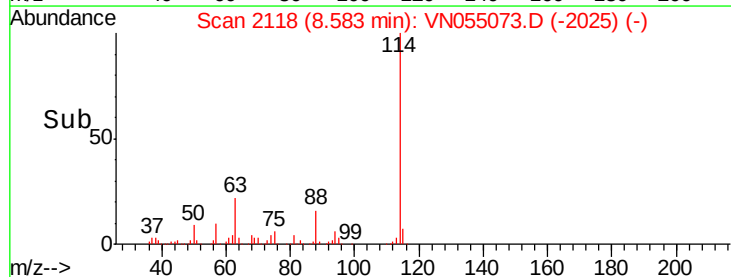
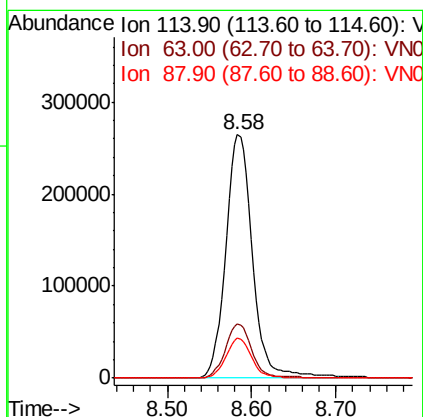
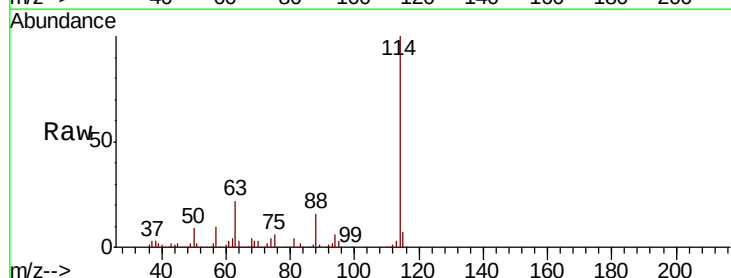
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

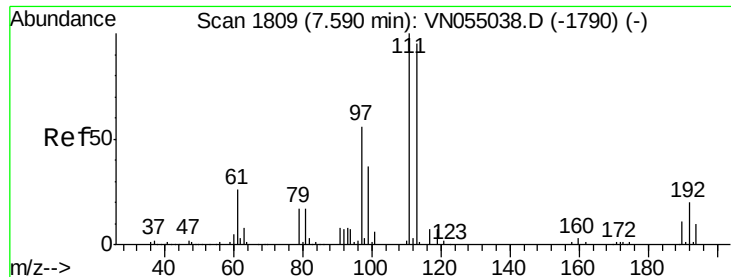
Tot Ion: 65 Resp: 243116
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 114 Resp: 582834
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 16.3 0.0 31.8

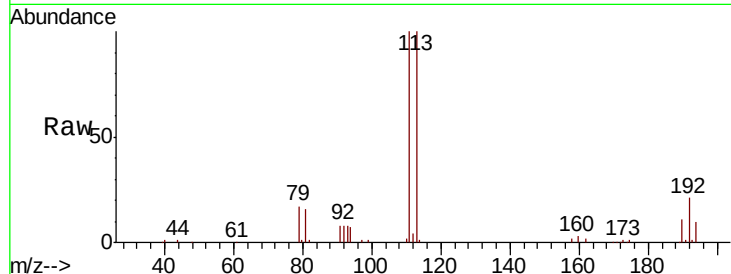




#35
 Dibromofluoromethane
 Concen: 49.691 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.1	123.1
192	20.4	16.5	24.7

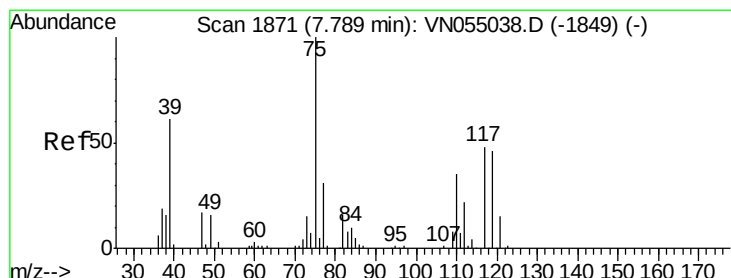
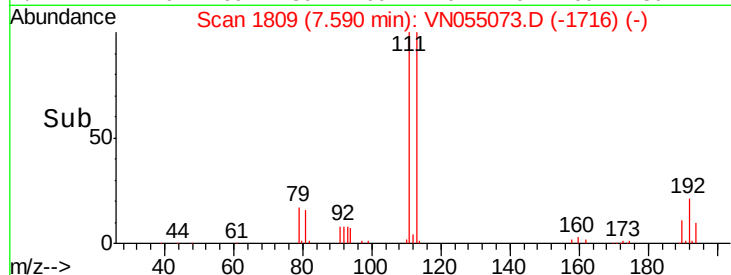
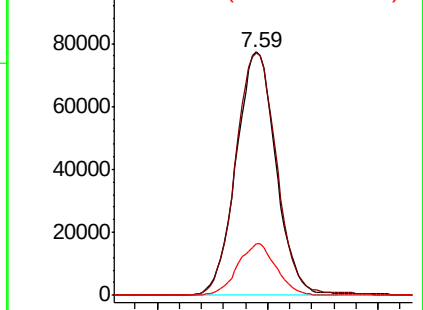


Abundance

Ion 112.80 (112.50 to 113.50): V

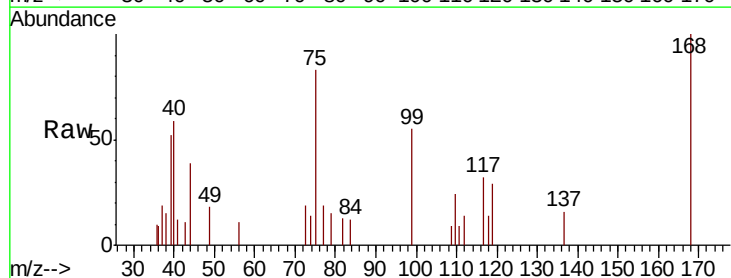
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 0.502 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	17.5	52.5
77	12.6	24.9	37.3

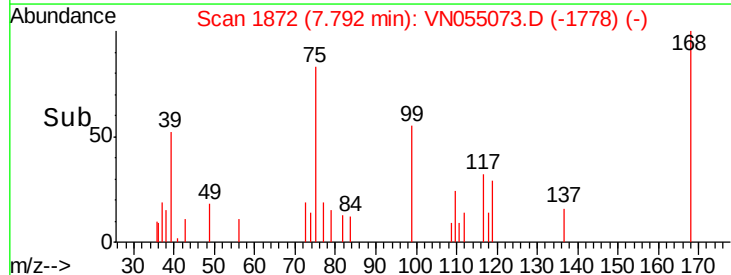
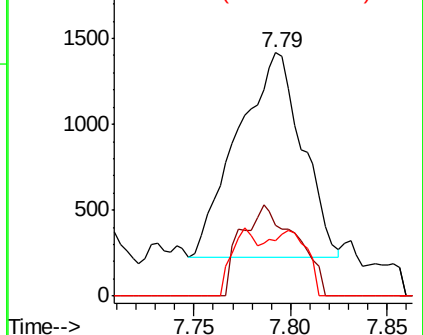


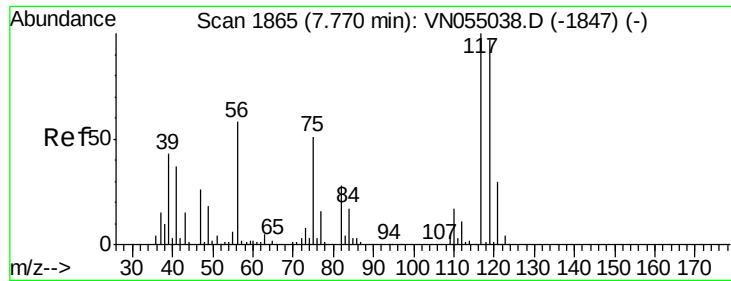
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

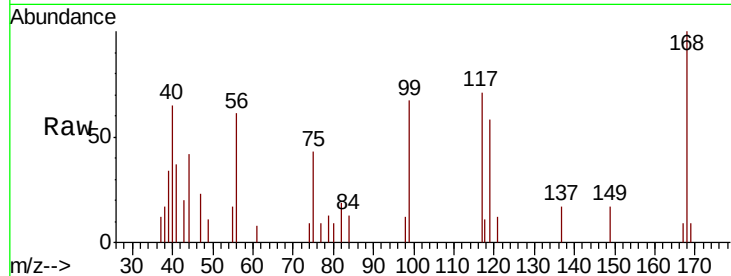




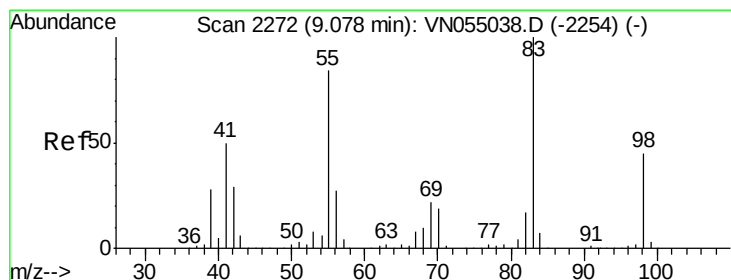
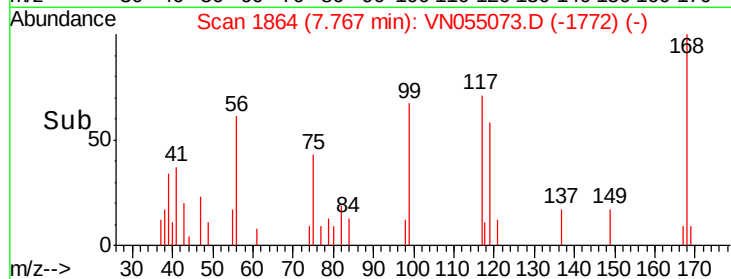
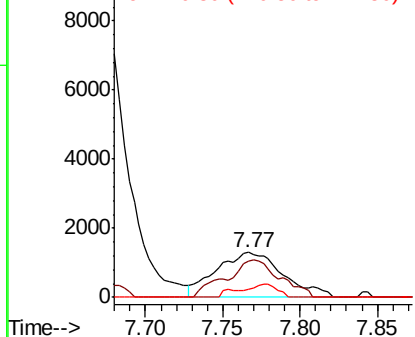
#38
Carbon Tetrachloride
Concen: 0.752 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tot Ion:117 Resp: 3930
Ion Ratio Lower Upper
117 100
119 82.0 76.3 114.5
121 16.9 23.9 35.9#

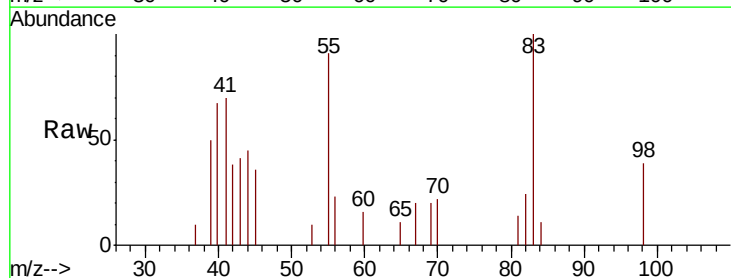


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

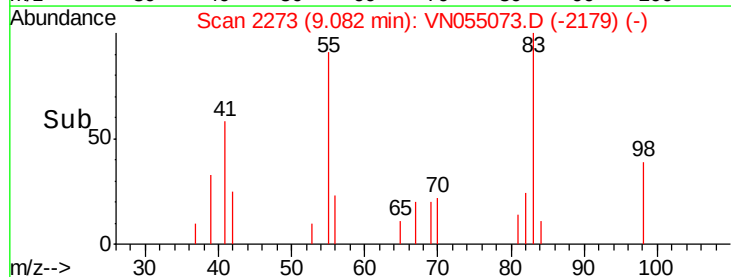
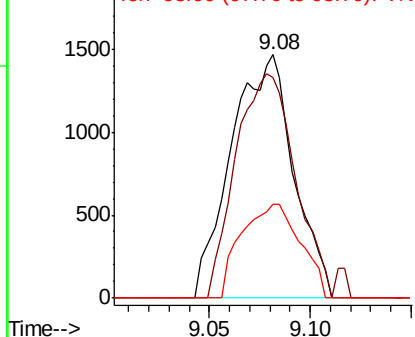


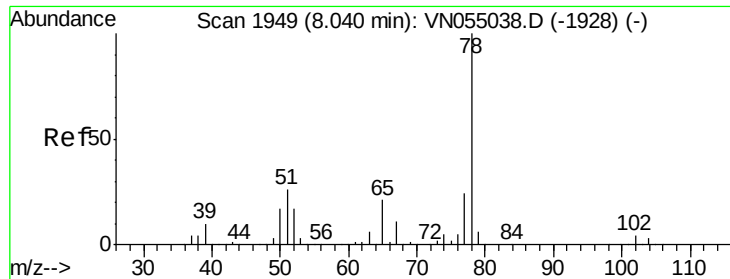
#39
Methylcyclohexane
Concen: 0.531 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 83 Resp: 3164
Ion Ratio Lower Upper
83 100
55 90.5 67.0 100.4
98 38.7 35.6 53.4



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.579 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

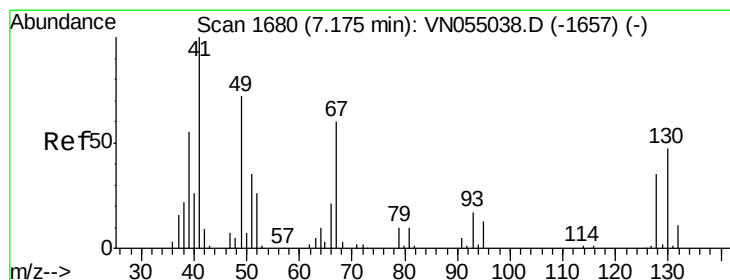
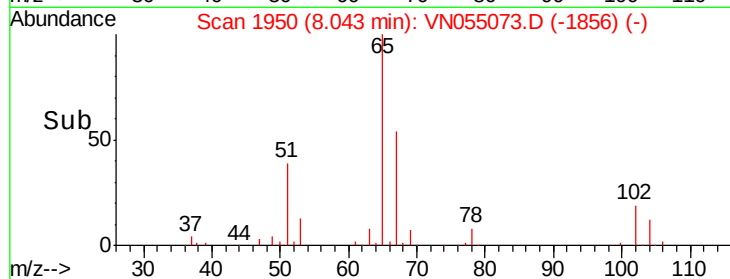
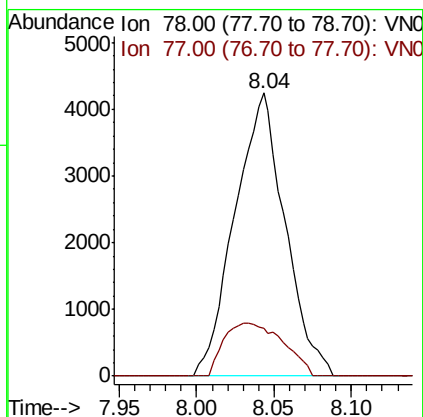
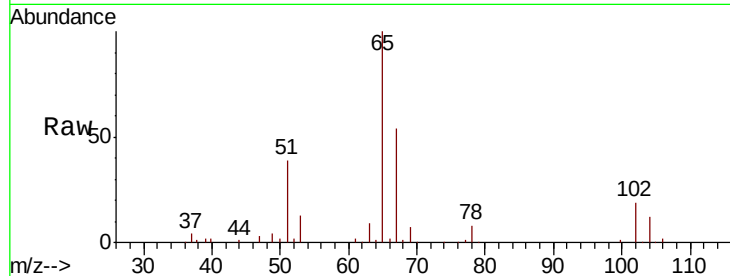
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 78 Resp: 9589

Ion Ratio Lower Upper

78 100

77 17.1 18.8 28.2#



#41

Methacrylonitrile

Concen: 0.578 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Tgt Ion: 41 Resp: 1434

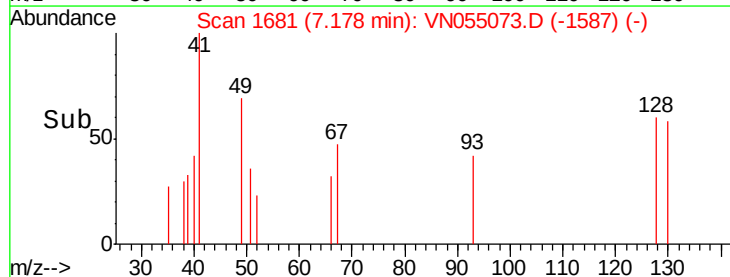
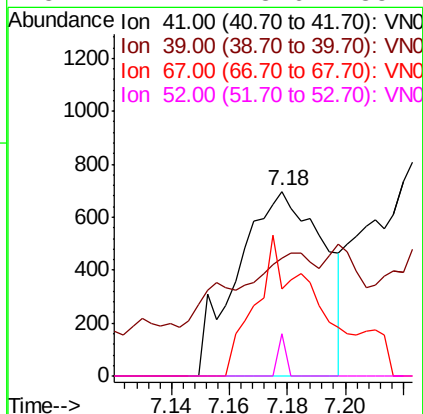
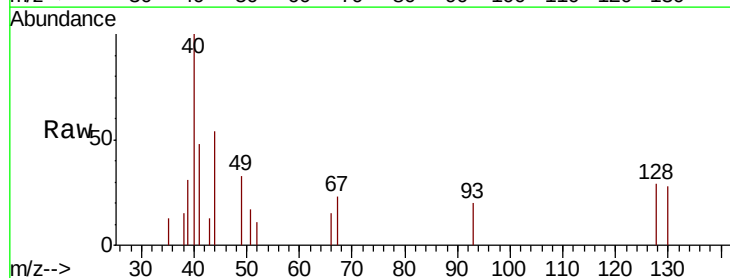
Ion Ratio Lower Upper

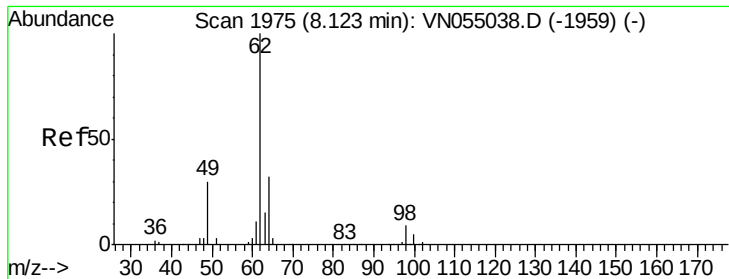
41 100

39 0.0 45.6 68.4#

67 51.9 57.0 85.6#

52 2.2 23.6 35.4#

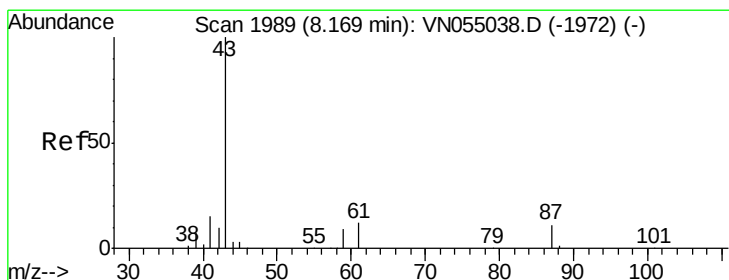
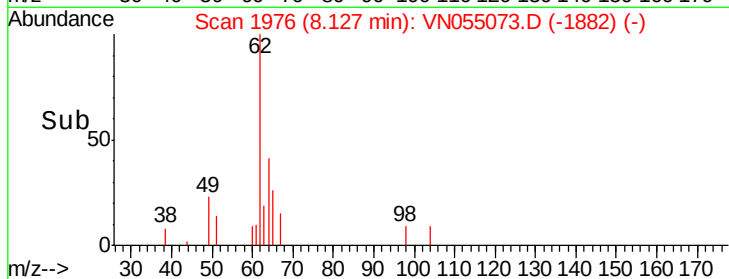
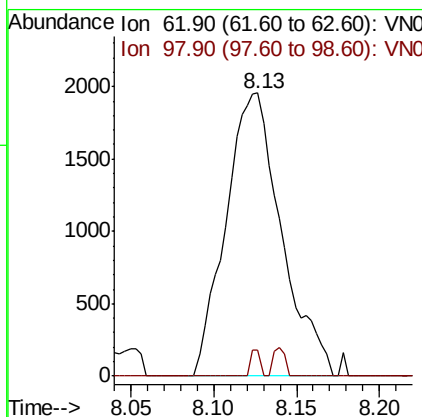
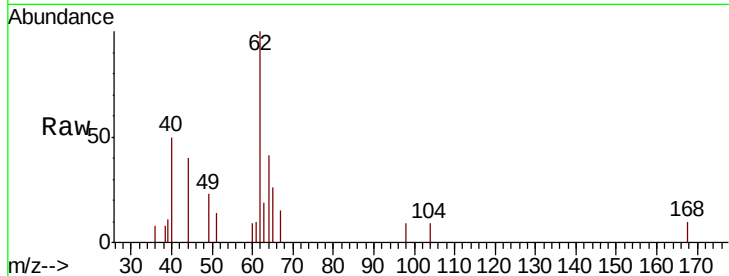




#42
 1,2-Dichloroethane
 Concen: 0.794 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

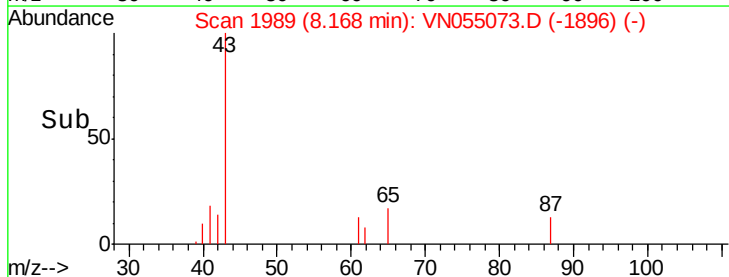
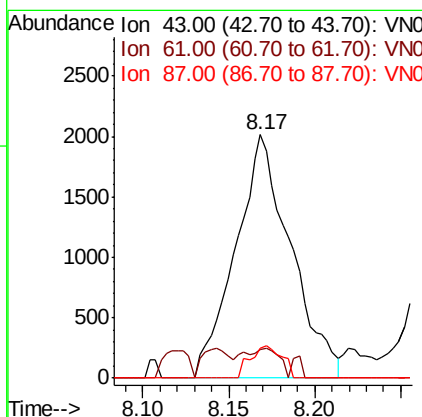
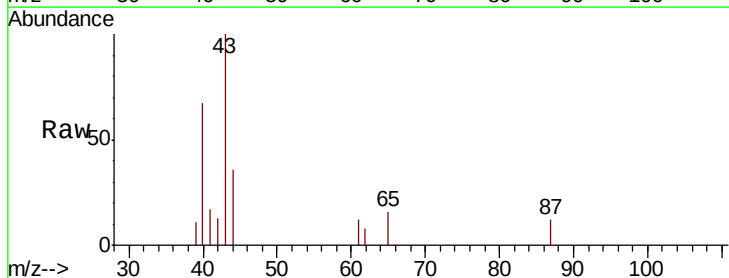
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

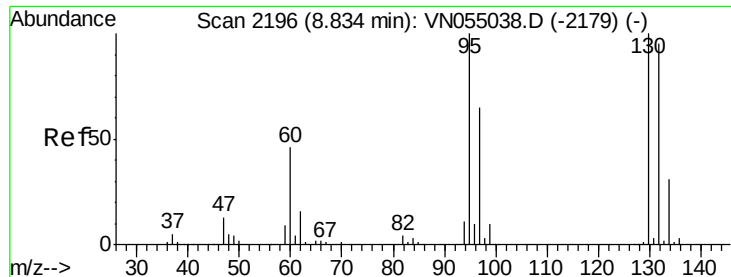
Tot Ion: 62 Resp: 4563
 Ion Ratio Lower Upper
 62 100
 98 1.5 0.0 17.4



#43
 Isopropyl Acetate
 Concen: 0.652 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 43 Resp: 4497
 Ion Ratio Lower Upper
 43 100
 61 8.0 14.3 21.5#
 87 7.6 8.6 13.0#





#44

Trichloroethene

Concen: 0.582 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

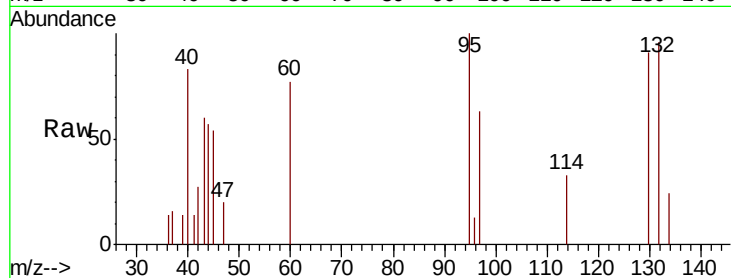
MDL-MDL-WATER-03-QT2-2019

Tot Ion:130 Resp: 2413

Ion Ratio Lower Upper

130 100

95 109.7 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

1500

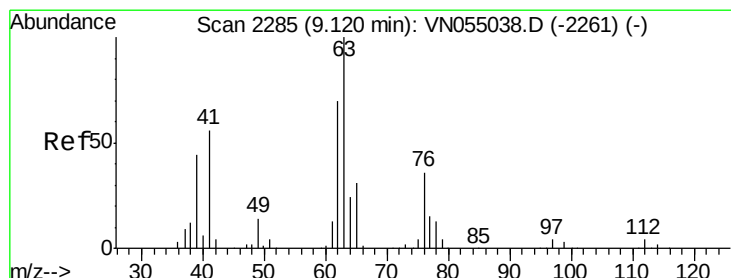
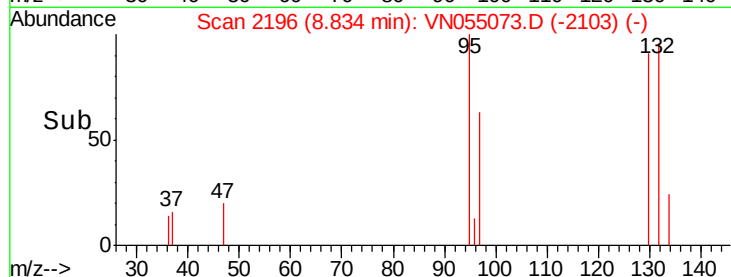
1000

500

0

8.80 8.83 8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.550 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055073.D

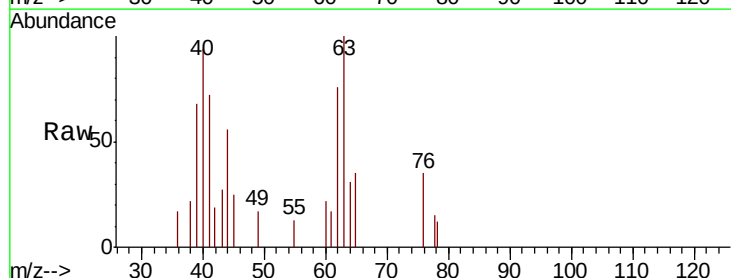
Acq: 16 Apr 2019 12:55

Tgt Ion: 63 Resp: 2542

Ion Ratio Lower Upper

63 100

65 35.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

1500

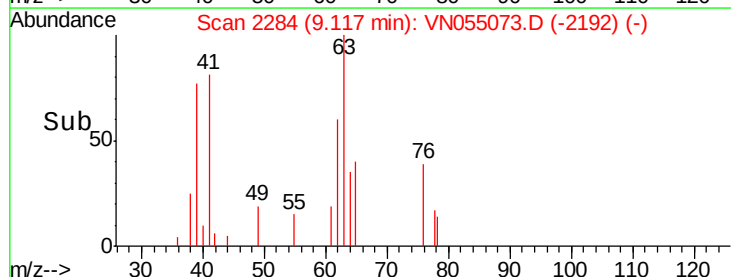
1000

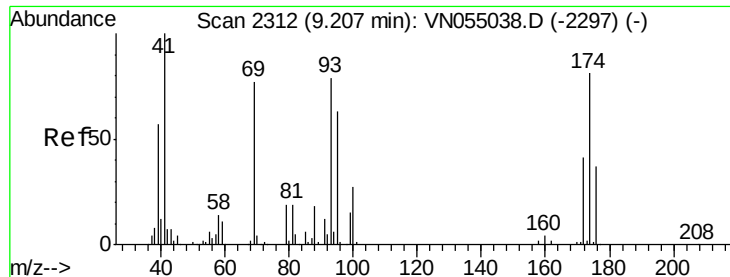
500

0

9.05 9.10 9.12 9.15

Time-->





#46

Dibromomethane

Concen: 0.569 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

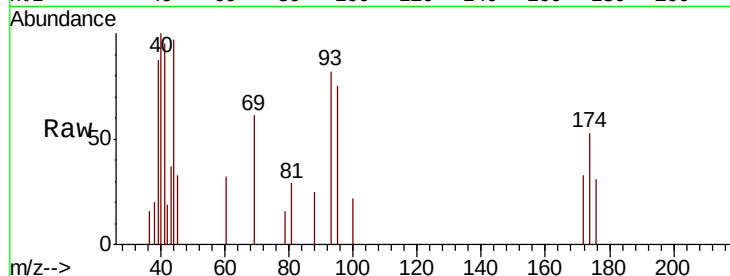
Tot Ion: 93 Resp: 1495

Ion Ratio Lower Upper

93 100

95 97.7 65.0 97.6#

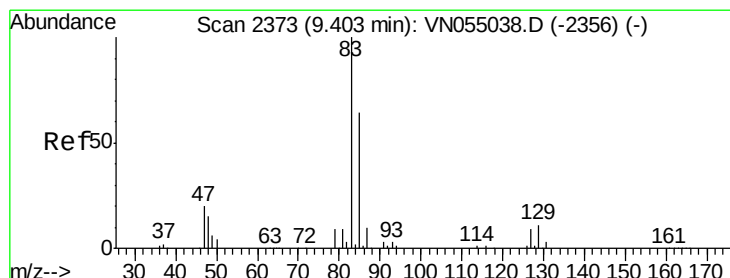
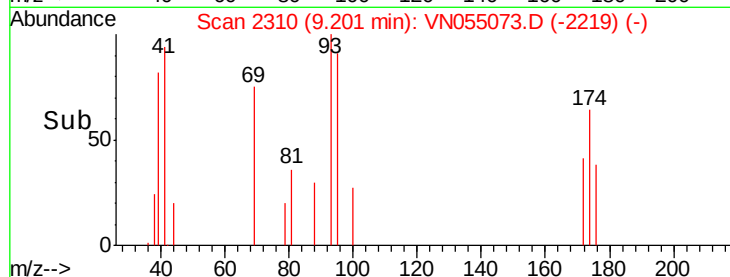
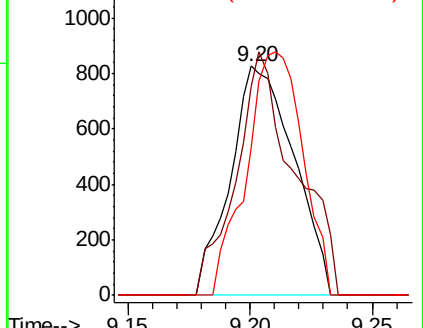
174 94.3 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN055073.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055073.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055073.D (-2219) (-)



#47

Bromodichloromethane

Concen: 0.556 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

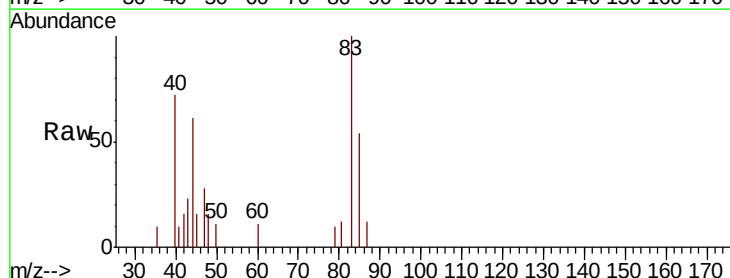
Tgt Ion: 83 Resp: 3011

Ion Ratio Lower Upper

83 100

85 54.3 51.2 76.8

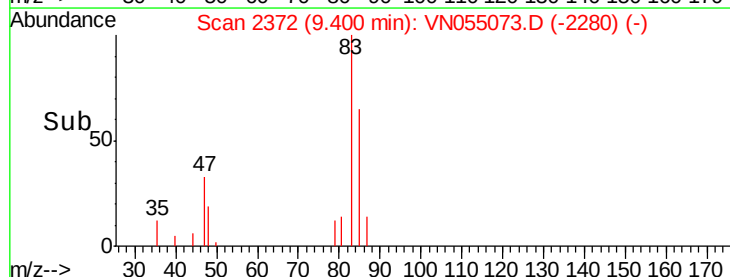
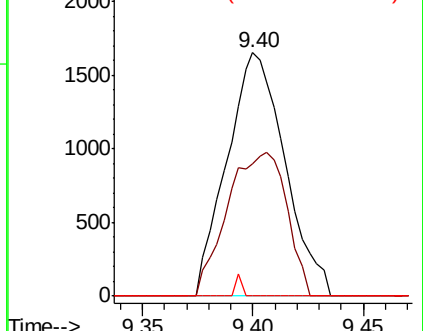
127 0.0 6.8 10.2#

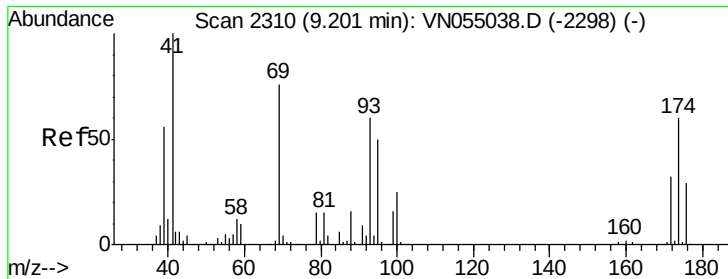


Abundance Ion 82.90 (82.60 to 83.60): VN055073.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055073.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055073.D (-2280) (-)





#48

Methyl methacrylate

Concen: 0.692 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

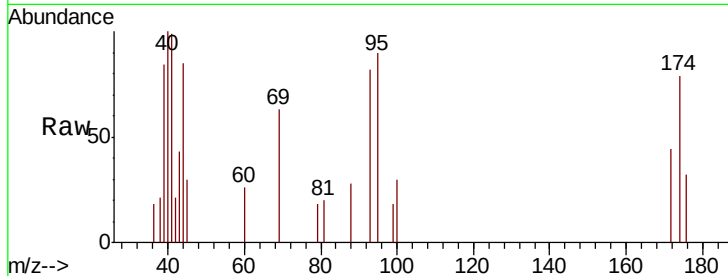
Tot Ion: 41 Resp: 2363

Ion Ratio Lower Upper

41 100

69 56.7 60.5 90.7#

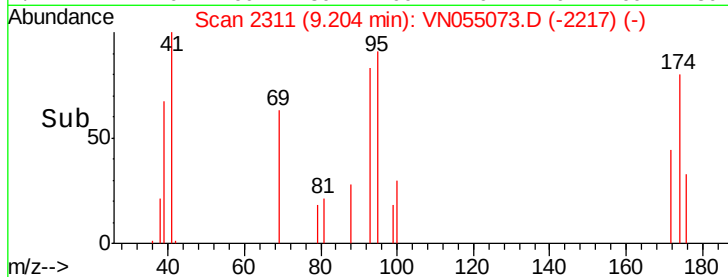
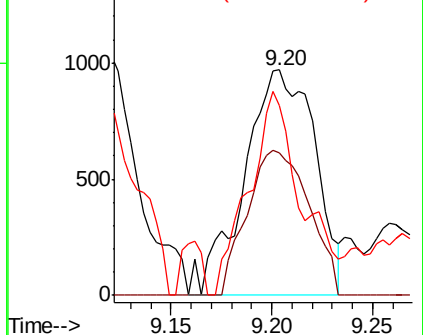
39 68.0 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 11.592 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

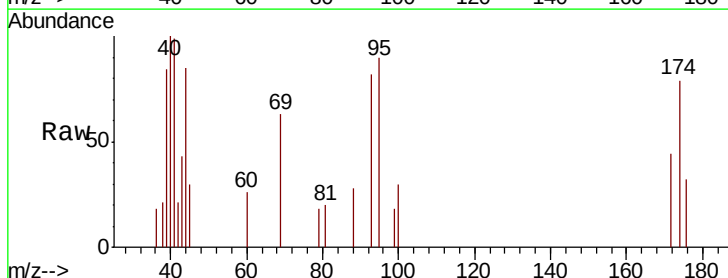
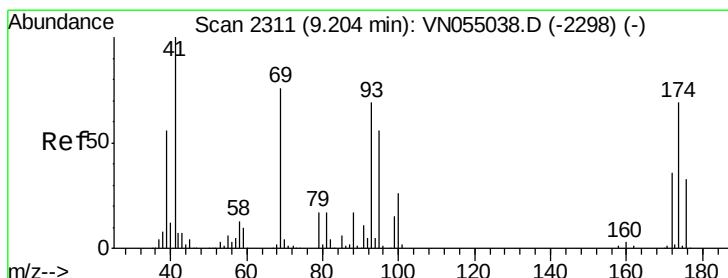
Tgt Ion: 88 Resp: 371

Ion Ratio Lower Upper

88 100

43 55.3 31.8 47.8#

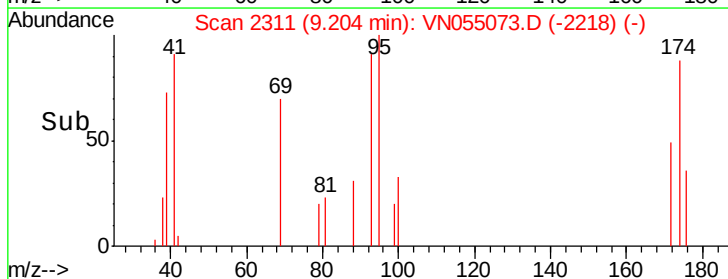
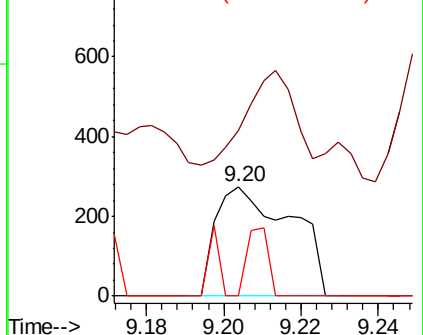
58 17.5 61.6 92.4#

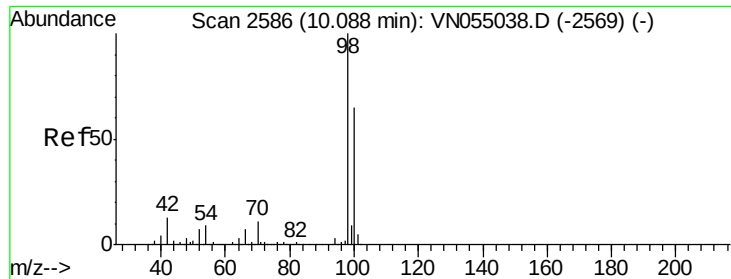


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

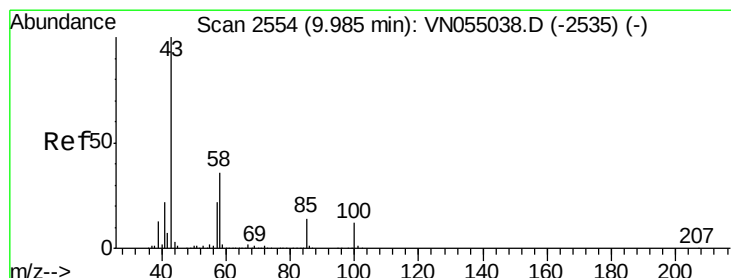
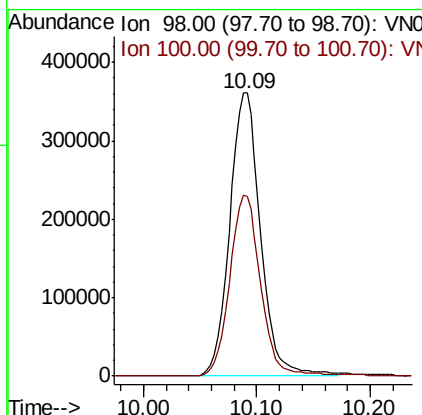
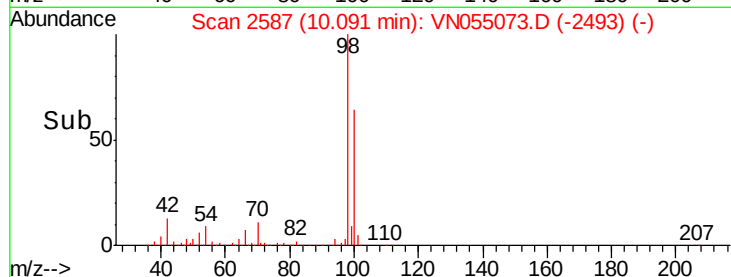
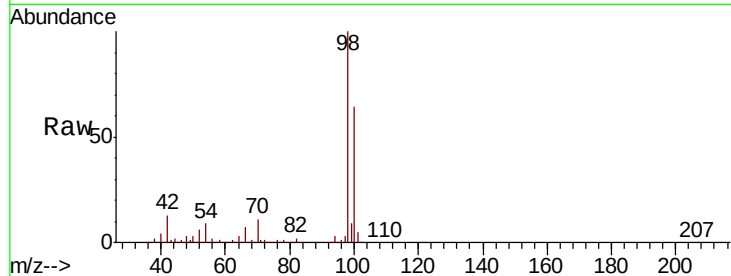




#50
Toluene-d8
Concen: 49.052 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

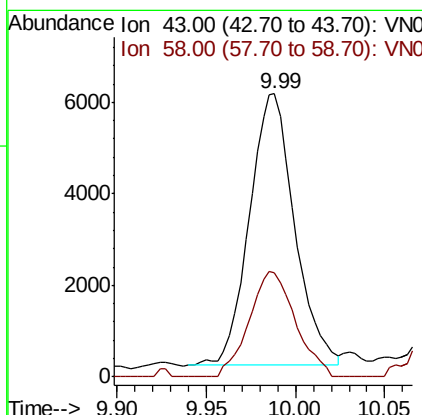
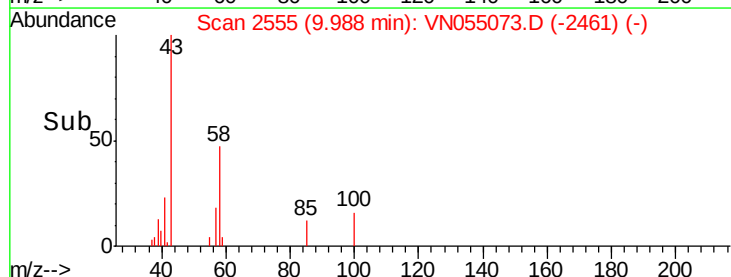
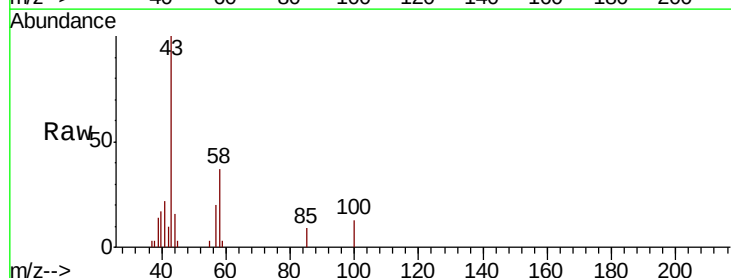
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

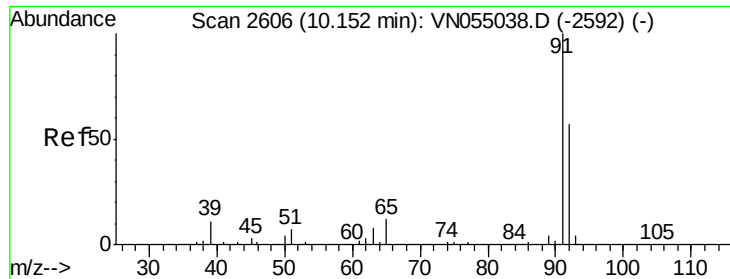
Tot Ion: 98 Resp: 683826
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 2.644 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 43 Resp: 10529
Ion Ratio Lower Upper
43 100
58 39.5 29.0 43.4





#52

Toluene

Concen: 0.608 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

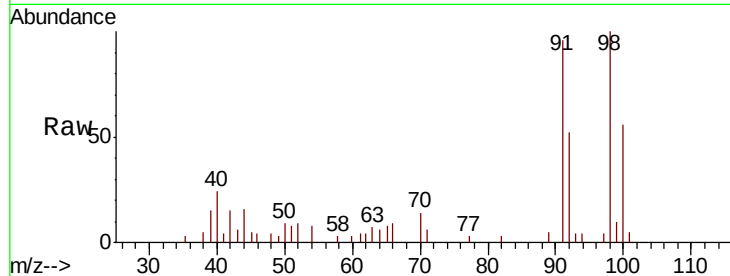
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 92 Resp: 5771

Ion Ratio Lower Upper

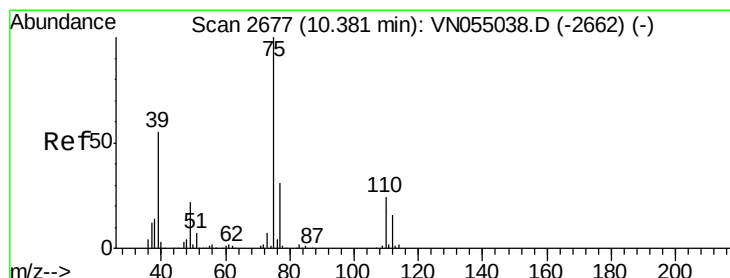
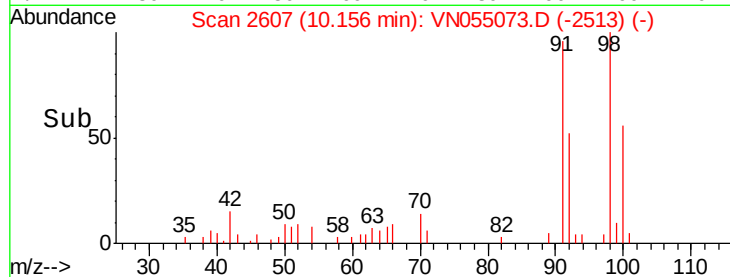
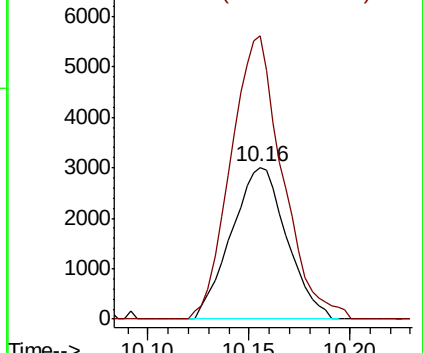
92 100

91 175.0 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.468 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055073.D

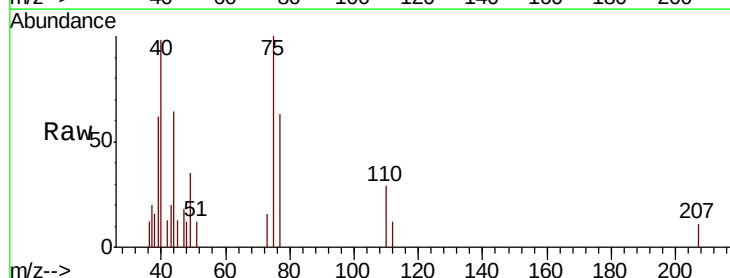
Acq: 16 Apr 2019 12:55

Tgt Ion: 75 Resp: 2218

Ion Ratio Lower Upper

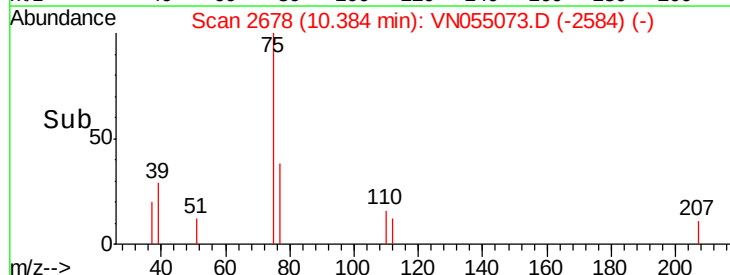
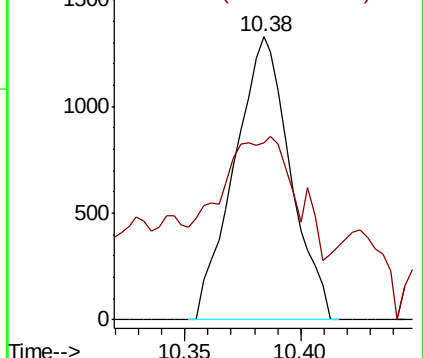
75 100

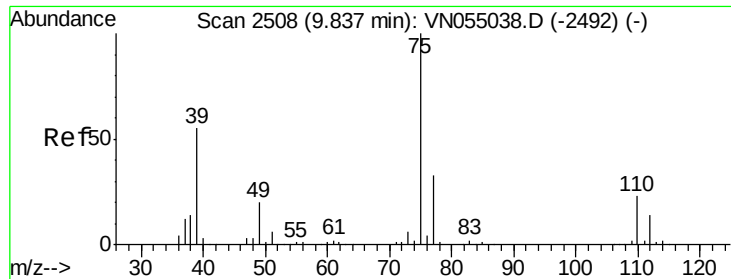
77 36.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



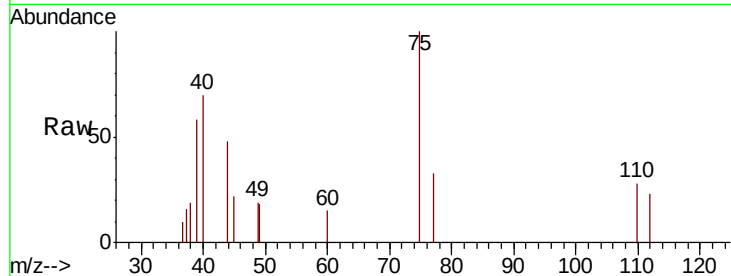


#54

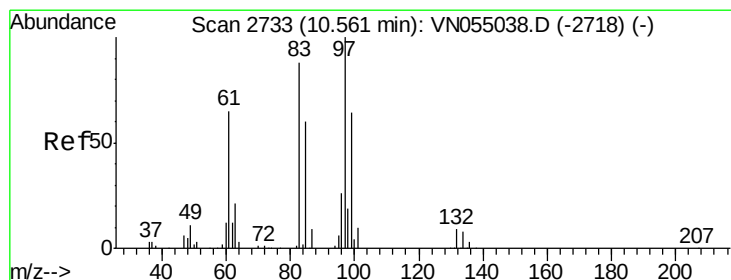
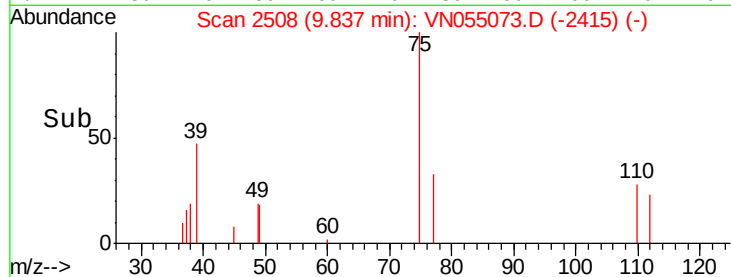
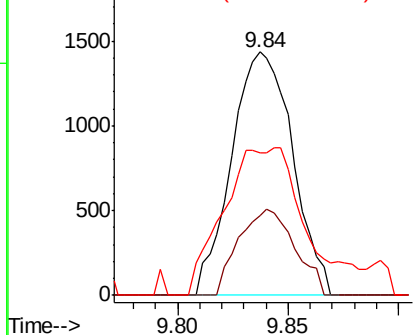
cis-1,3-Dichloropropene
Concen: 0.469 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 75 Resp: 2759
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.6
39 58.5 43.8 65.8



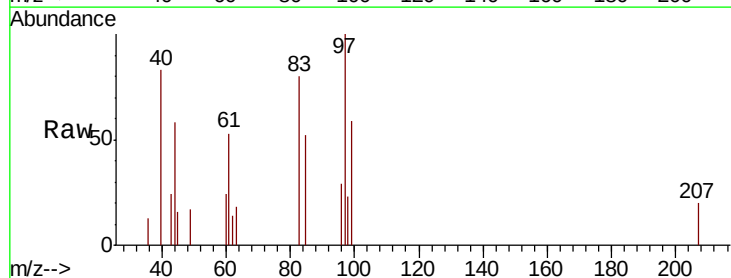
Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC
Ion 39.00 (38.70 to 39.70): VNC



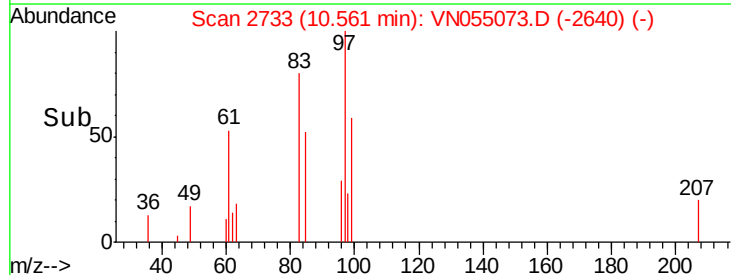
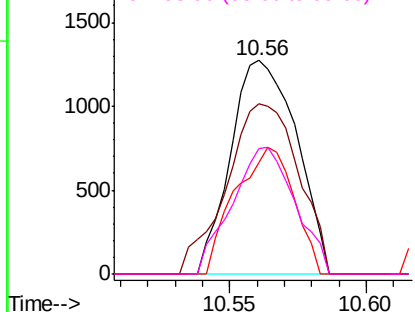
#55

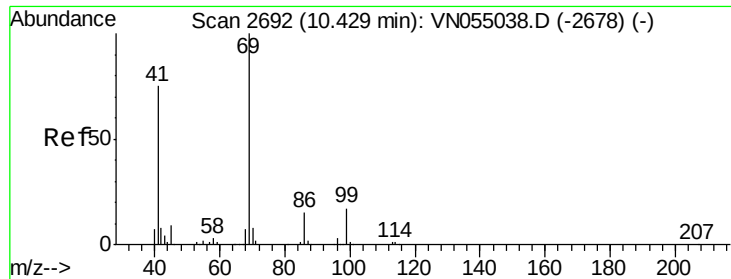
1,1,2-Trichloroethane
Concen: 0.586 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 97 Resp: 2140
Ion Ratio Lower Upper
97 100
83 79.8 70.5 105.7
85 52.3 45.5 68.3
99 58.9 49.4 74.0



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC





#56

Ethyl methacrylate

Concen: 0.602 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

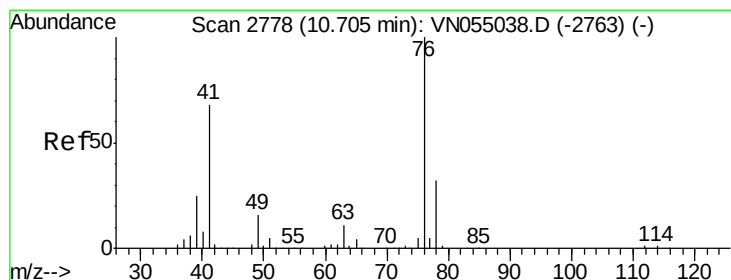
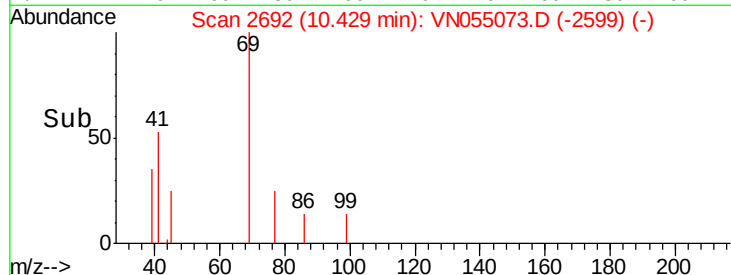
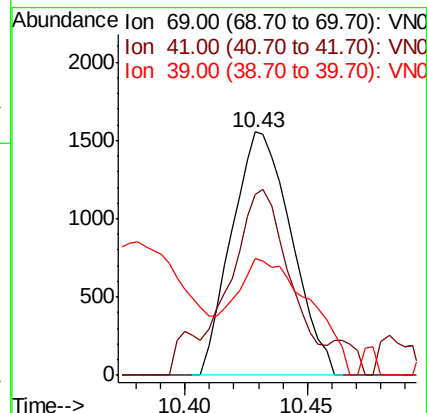
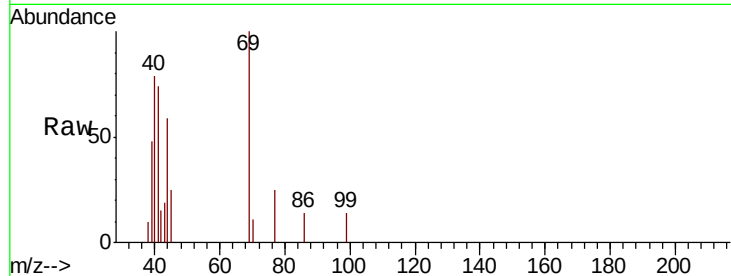
Tot Ion: 69 Resp: 2639

Ion Ratio Lower Upper

69 100

41 61.1 61.4 92.0#

39 60.9 30.8 46.2#



#57

1,3-Dichloropropane

Concen: 0.639 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055073.D

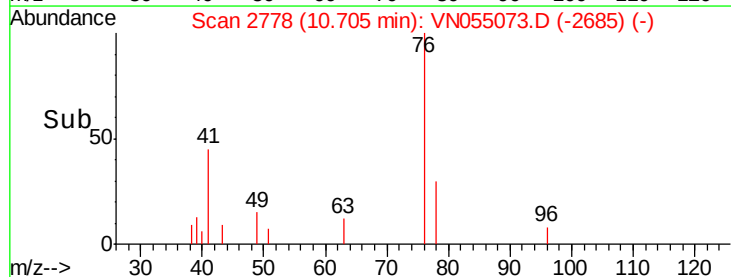
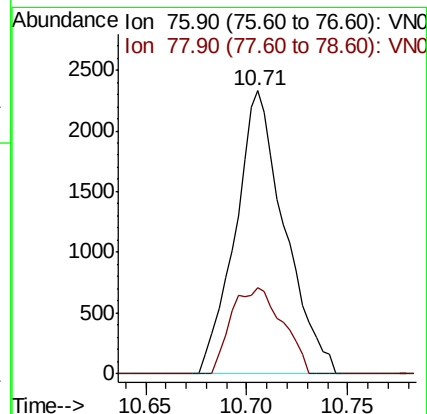
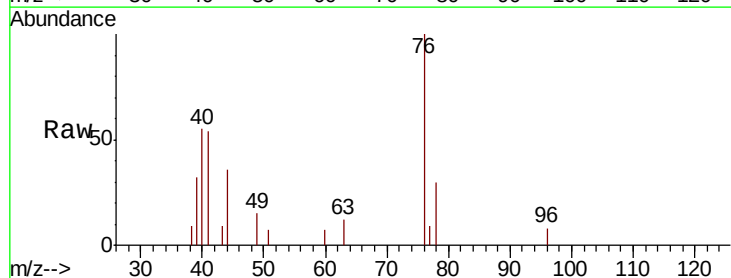
Acq: 16 Apr 2019 12:55

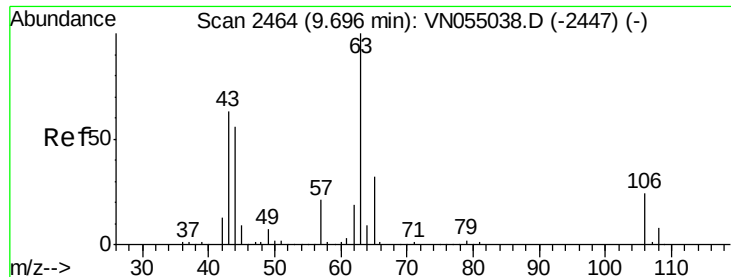
Tgt Ion: 76 Resp: 3977

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4





#58

2-Chloroethyl Vinyl ether

Concen: 12.615 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

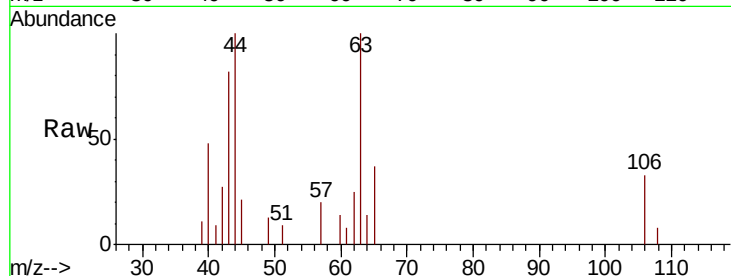
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 63 Resp: 3779

Ion Ratio Lower Upper

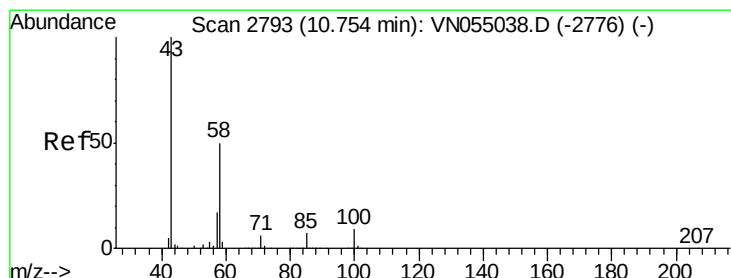
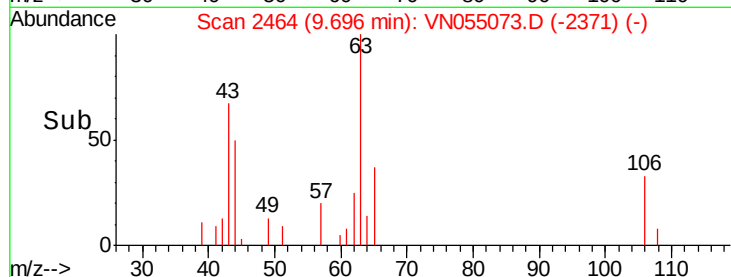
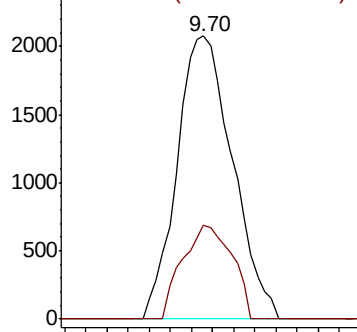
63 100

106 29.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 2.507 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055073.D

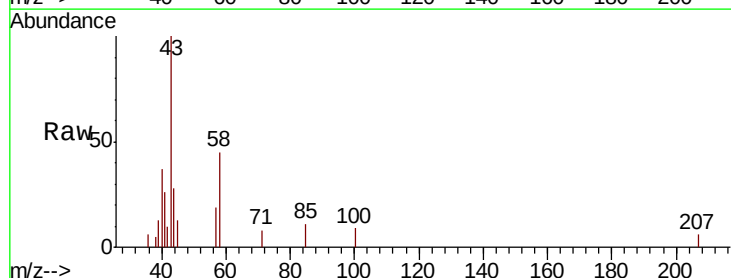
Acq: 16 Apr 2019 12:55

Tgt Ion: 43 Resp: 6271

Ion Ratio Lower Upper

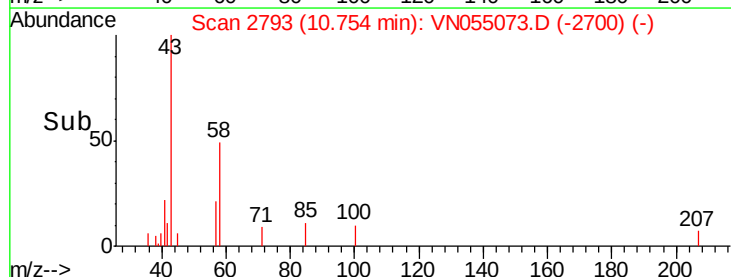
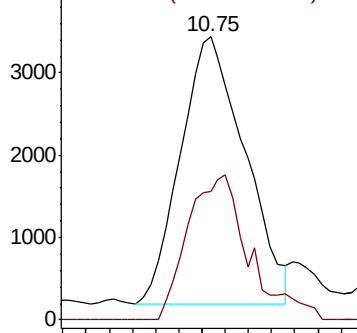
43 100

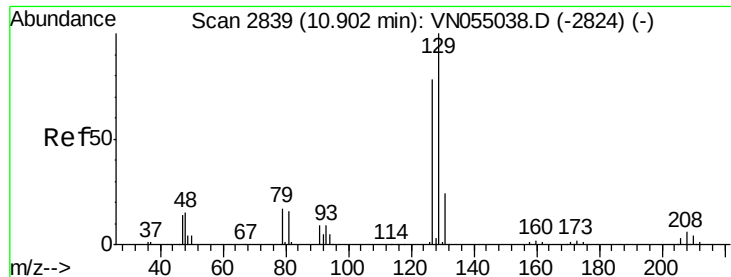
58 51.4 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.501 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

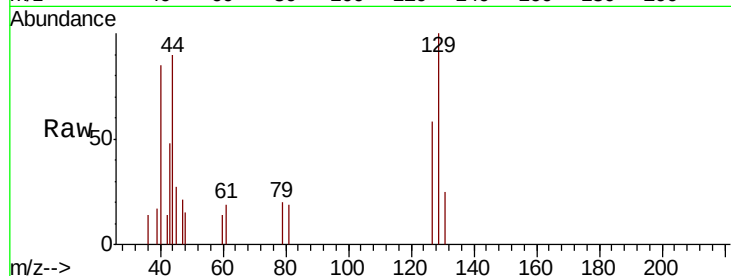
MDL-MDL-WATER-03-QT2-2019

Tot Ion:129 Resp: 1788

Ion Ratio Lower Upper

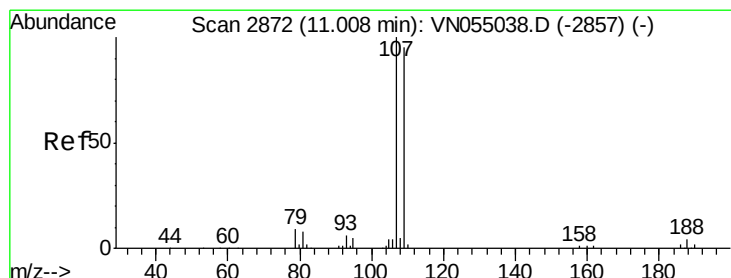
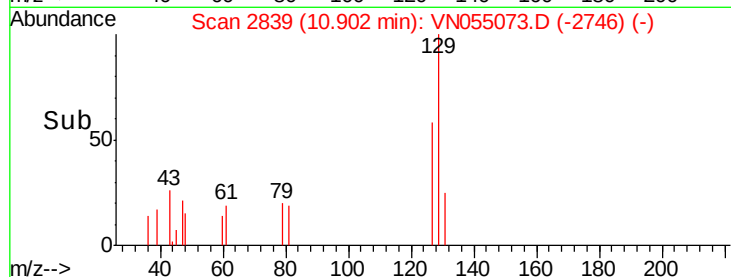
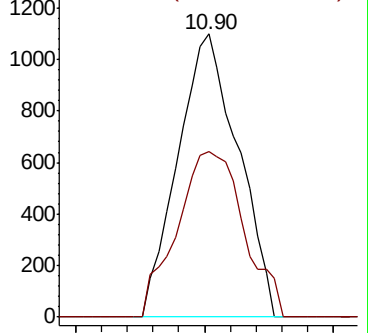
129 100

127 65.2 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.516 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055073.D

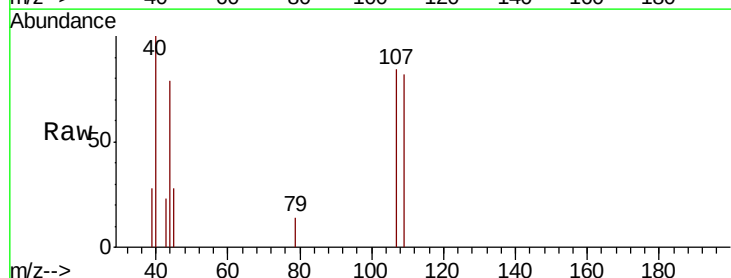
Acq: 16 Apr 2019 12:55

Tgt Ion:107 Resp: 1735

Ion Ratio Lower Upper

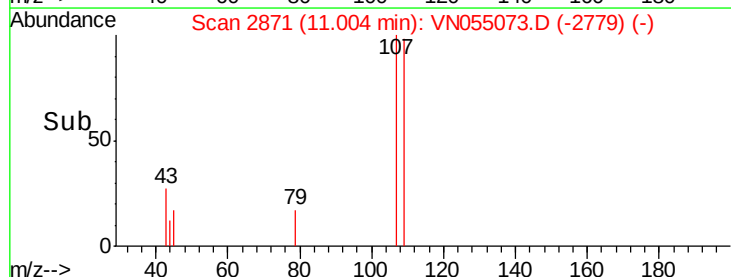
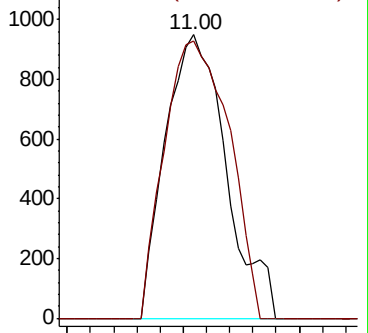
107 100

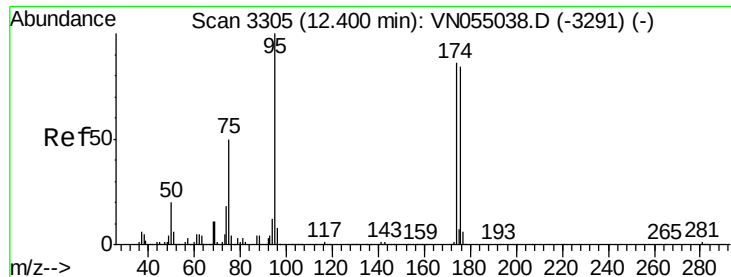
109 103.8 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

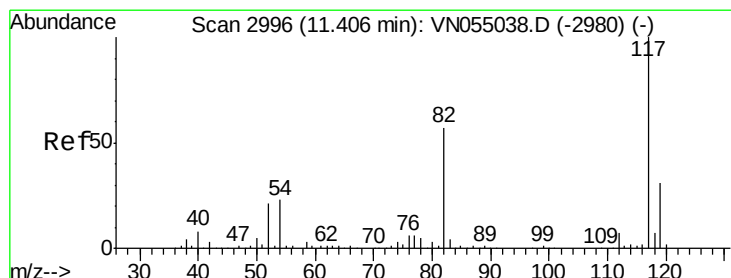
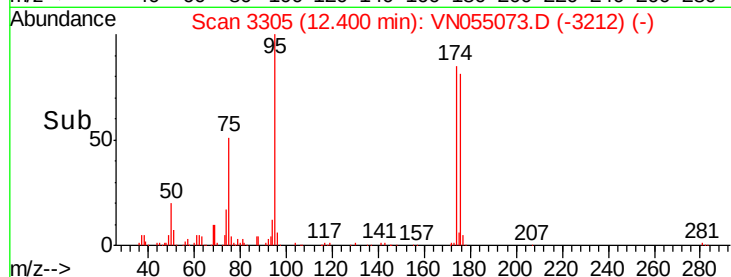
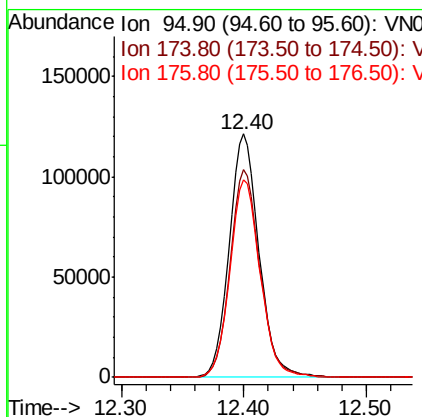
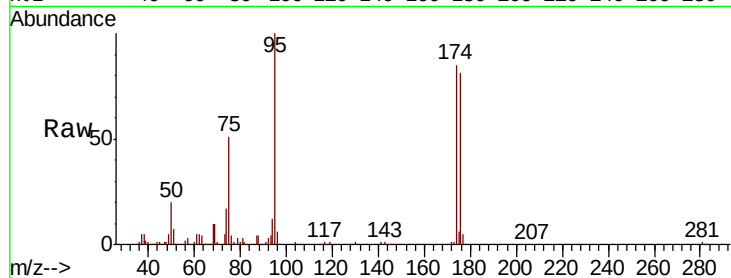




#62
4-Bromofluorobenzene
Concen: 45.550 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

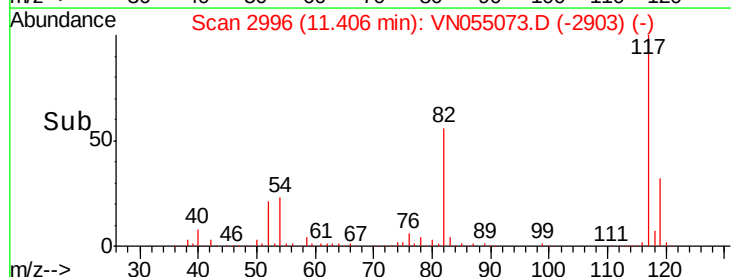
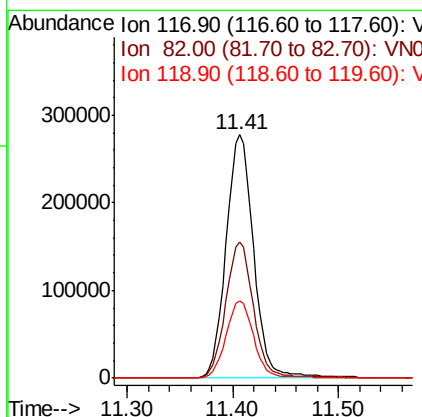
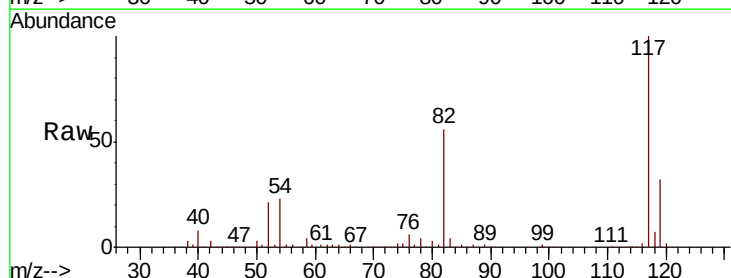
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

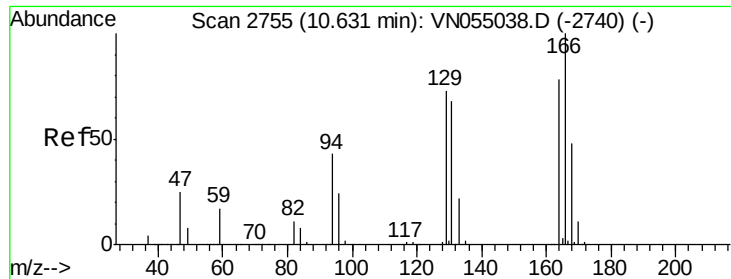
Tot Ion: 95 Resp: 206441
Ion Ratio Lower Upper
95 100
174 85.8 0.0 174.4
176 82.4 0.0 166.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 117 Resp: 503029
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 31.8 25.5 38.3





#64

Tetrachloroethene

Concen: 0.638 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

Tot Ion:164 Resp: 2608

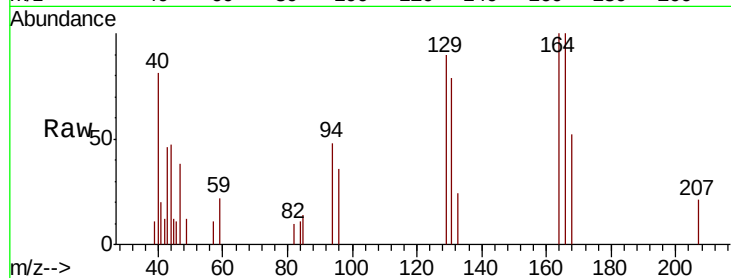
Ion Ratio Lower Upper

164 100

166 99.9 100.0 150.0#

129 90.3 72.0 108.0

131 78.7 69.7 104.5

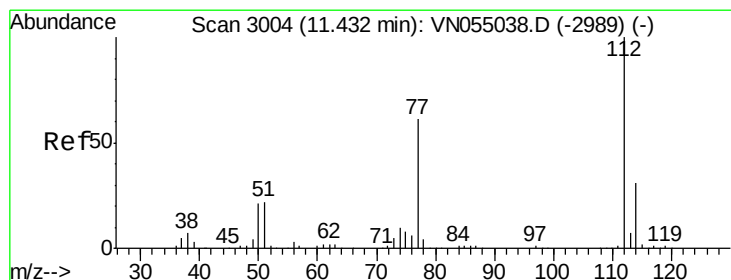
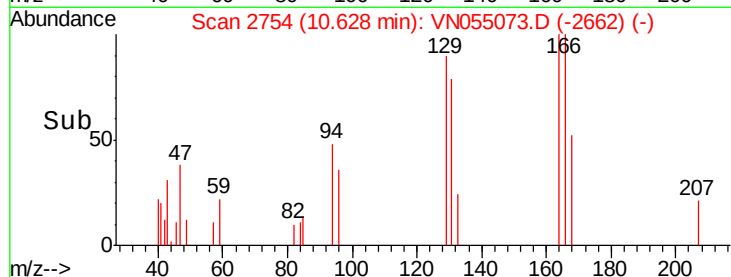
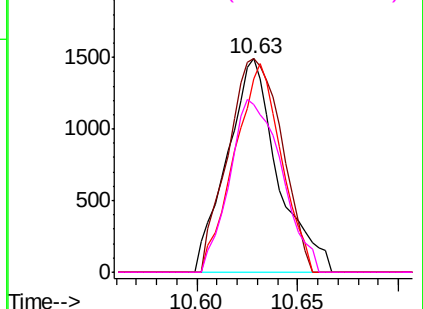


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.556 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN055073.D

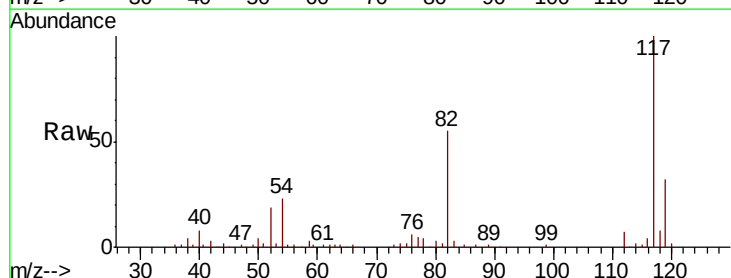
Acq: 16 Apr 2019 12:55

Tgt Ion:112 Resp: 5634

Ion Ratio Lower Upper

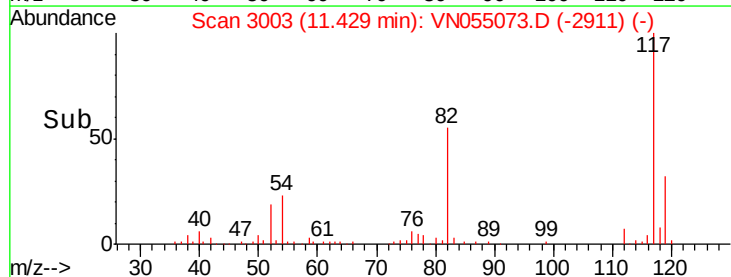
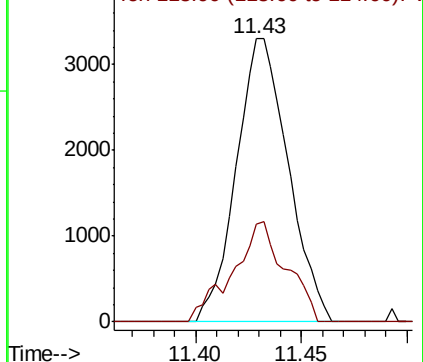
112 100

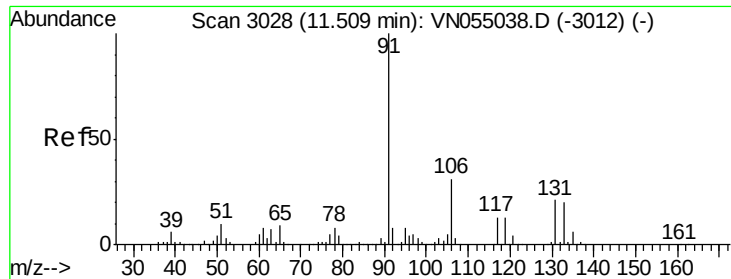
114 34.7 25.3 37.9



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: 0.503 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

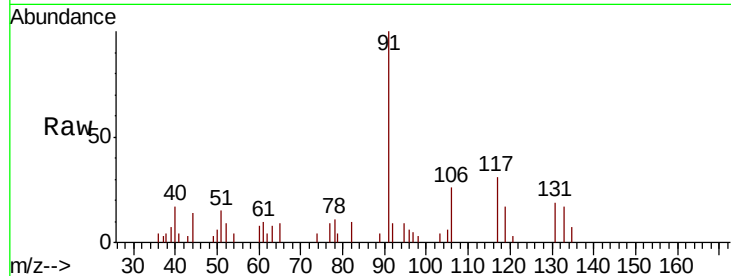
Tot Ion:131 Resp: 1875

Ion Ratio Lower Upper

131 100

133 99.9 47.8 143.3

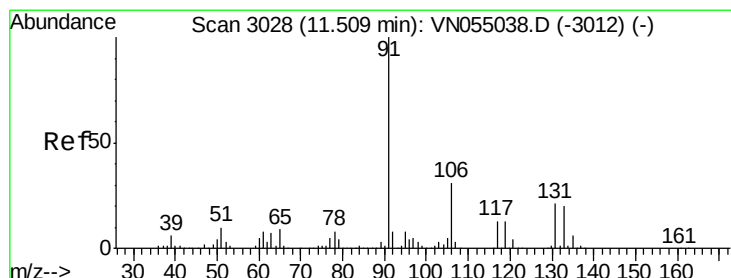
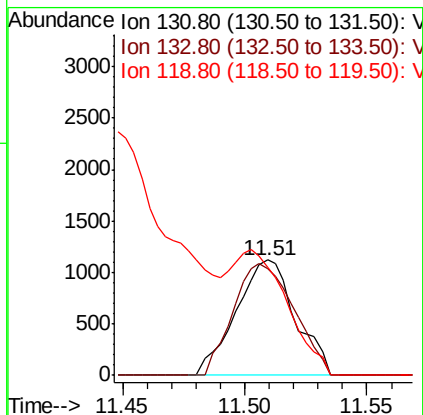
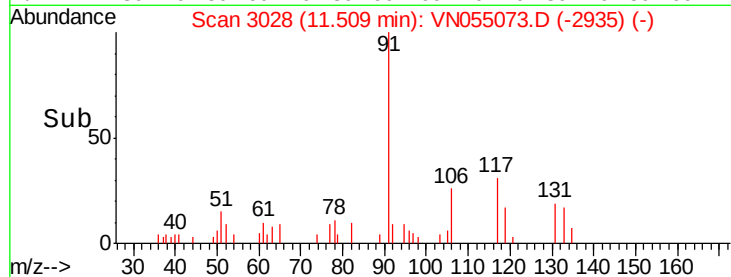
119 0.0 33.6 100.6#



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: 0.568 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055073.D

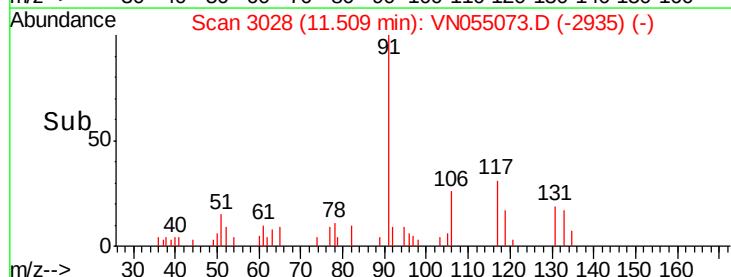
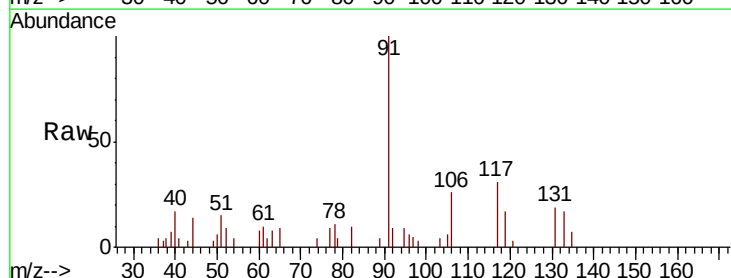
Acq: 16 Apr 2019 12:55

Tgt Ion: 91 Resp: 10274

Ion Ratio Lower Upper

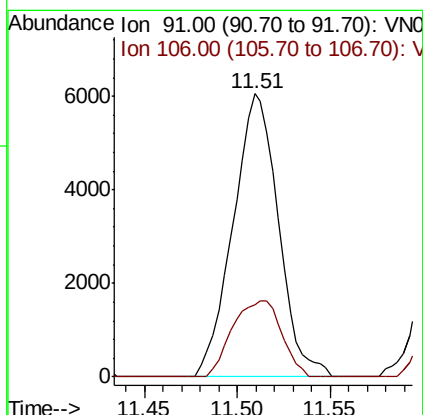
91 100

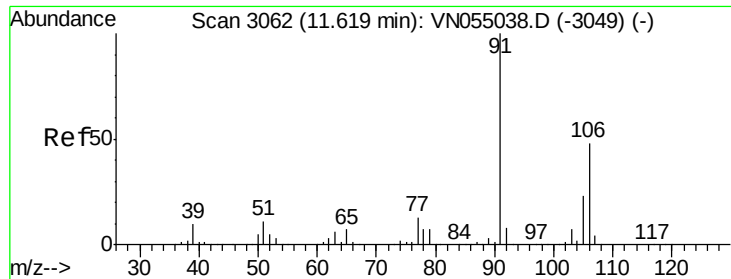
106 25.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

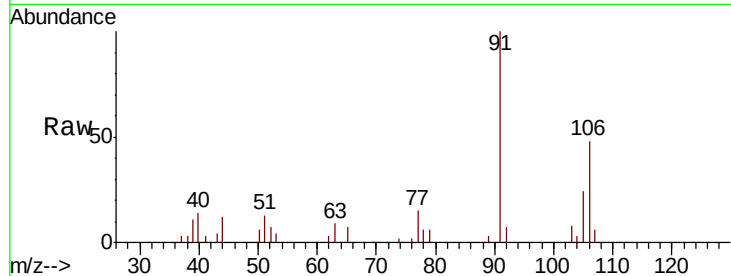




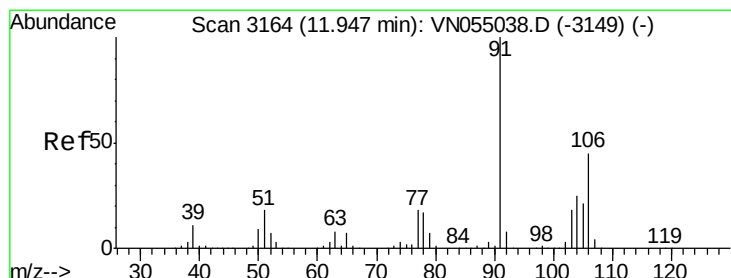
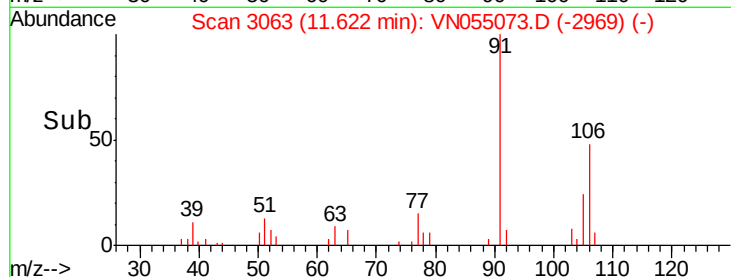
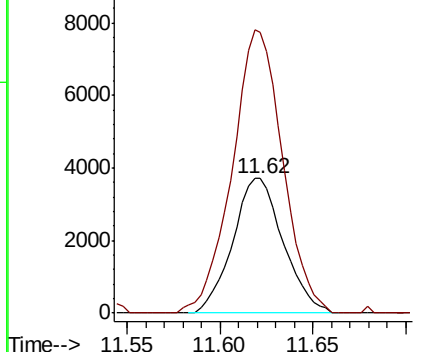
#68
m/p-Xylenes
Concen: 1.067 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tot Ion:106 Resp: 6985
Ion Ratio Lower Upper
106 100
91 211.2 165.9 248.9

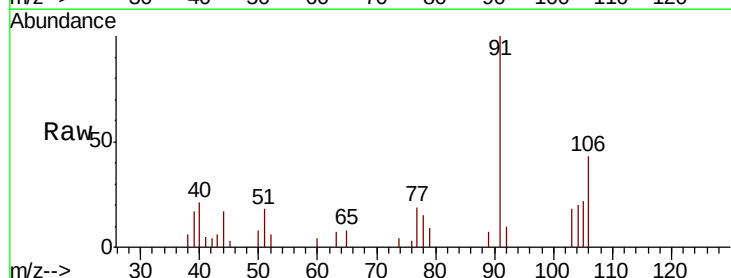


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

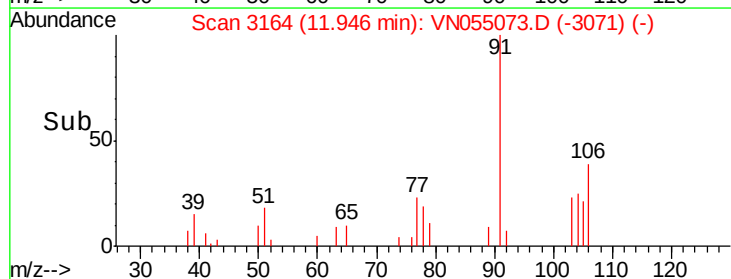
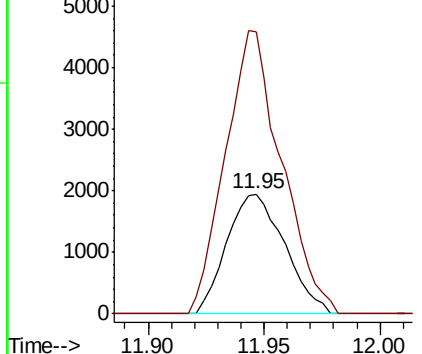


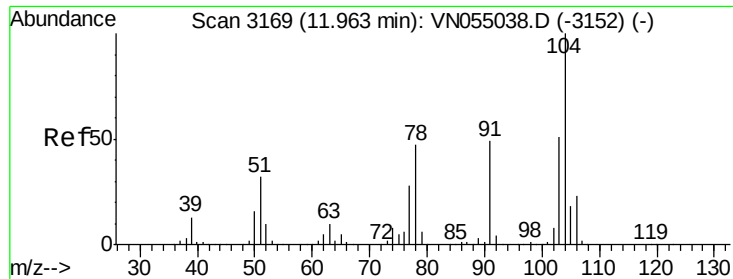
#69
o-Xylene
Concen: 0.532 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion:106 Resp: 3375
Ion Ratio Lower Upper
106 100
91 229.0 109.9 329.8



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

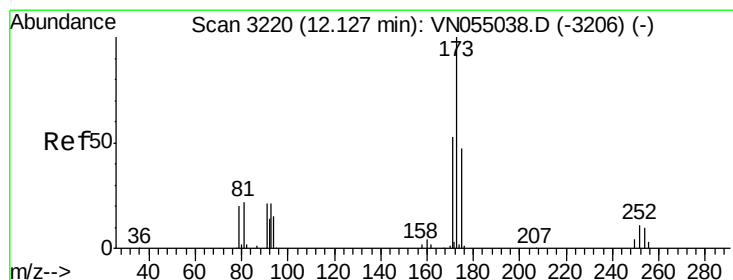
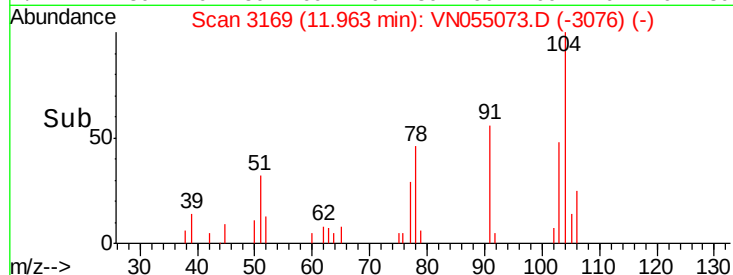
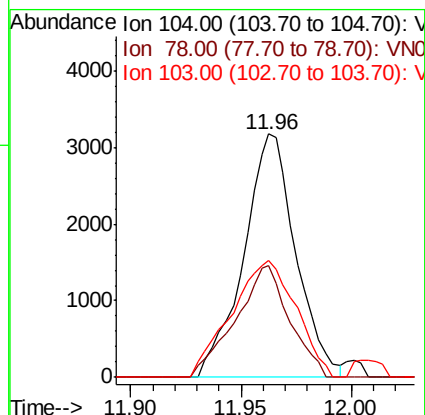
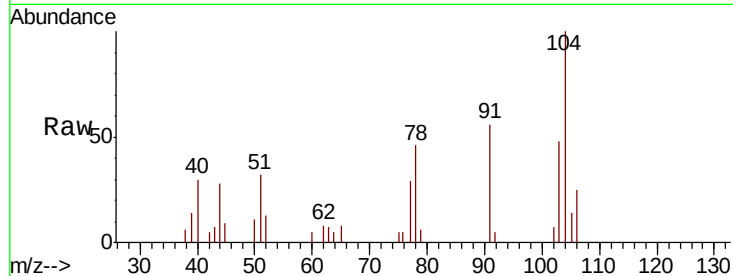




#70
Stvrene
Concen: 0.506 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

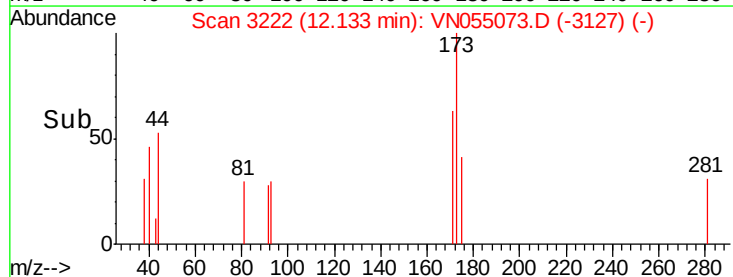
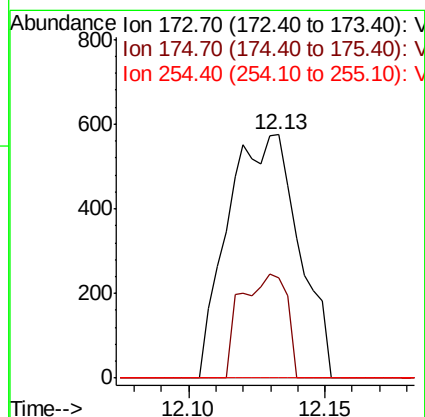
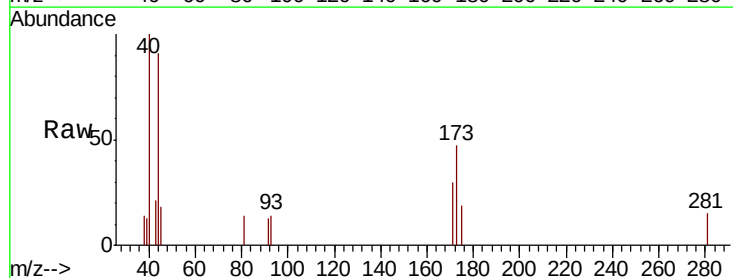
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

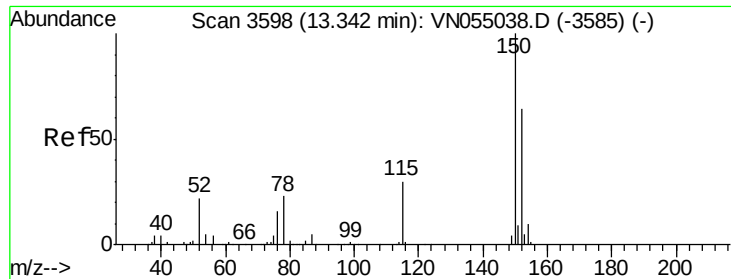
Tot Ion:104 Resp: 5198
Ion Ratio Lower Upper
104 100
78 47.4 40.3 60.5
103 59.3 44.3 66.5



#71
Bromoform
Concen: 0.488 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.01 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion:173 Resp: 1041
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

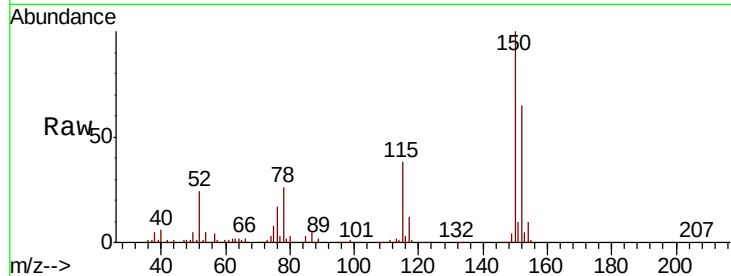
Tot Ion:152 Resp: 159568

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.6

150 154.8 0.0 347.2

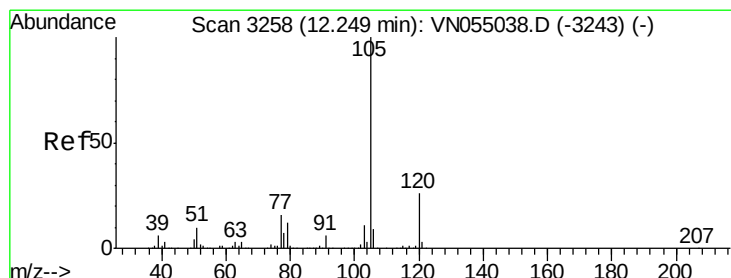
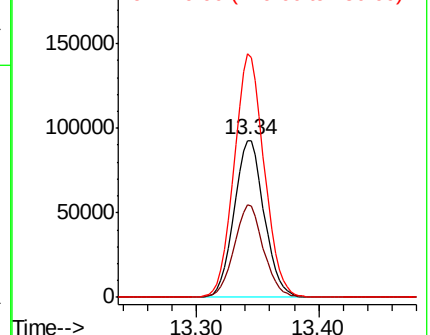
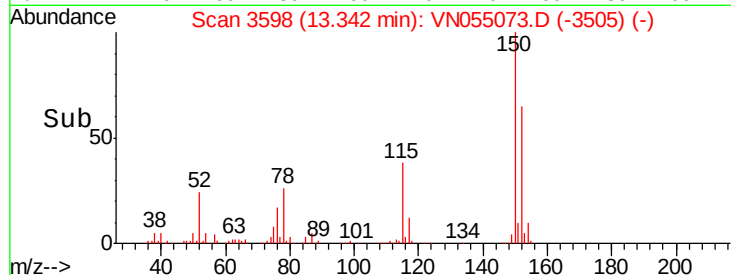


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.632 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055073.D

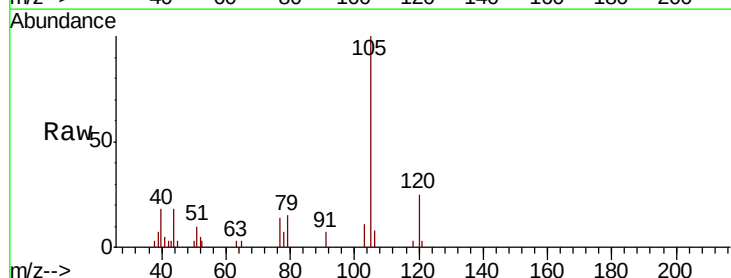
Acq: 16 Apr 2019 12:55

Tgt Ion:105 Resp: 8948

Ion Ratio Lower Upper

105 100

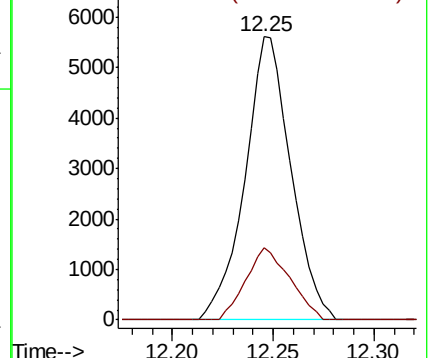
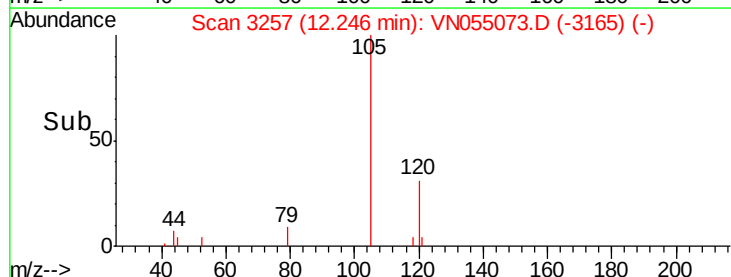
120 24.4 13.3 39.9

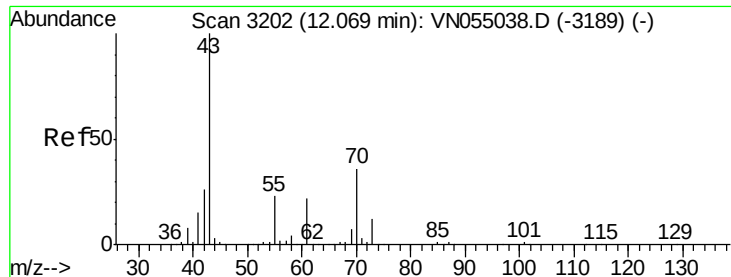


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.739 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

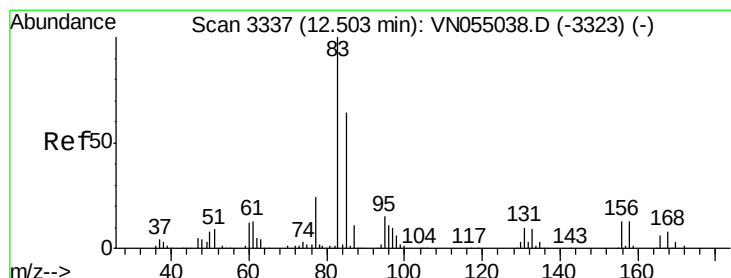
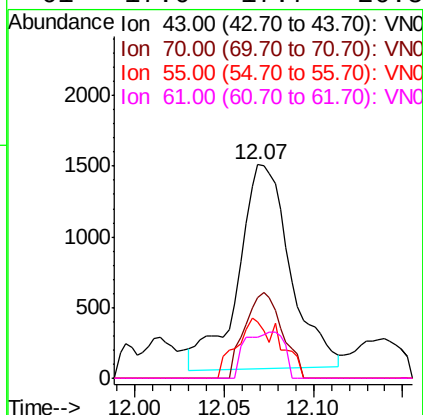
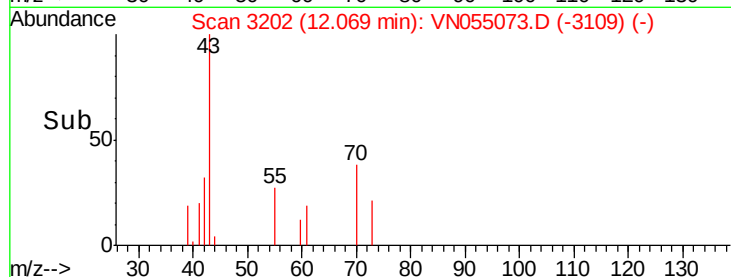
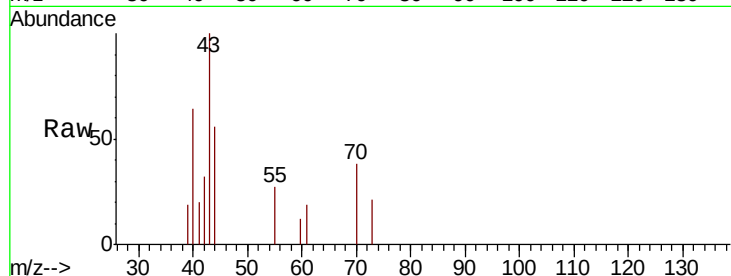
ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

Tot Ion: 43 Resp: 2945

Ion Ratio Lower Upper

43	100		
70	30.1	29.4	44.0
55	24.3	19.0	28.4
61	17.0	17.7	26.5#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.666 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

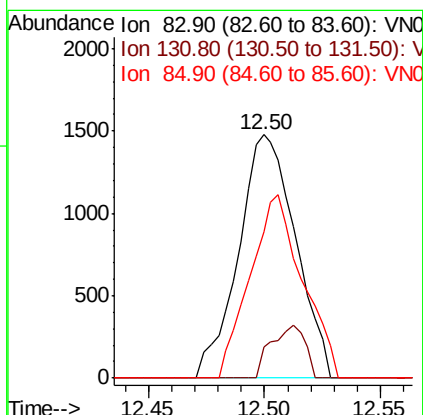
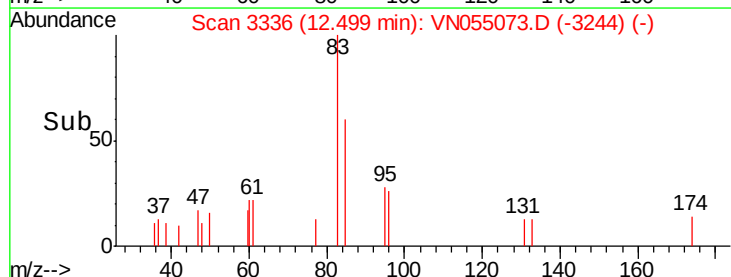
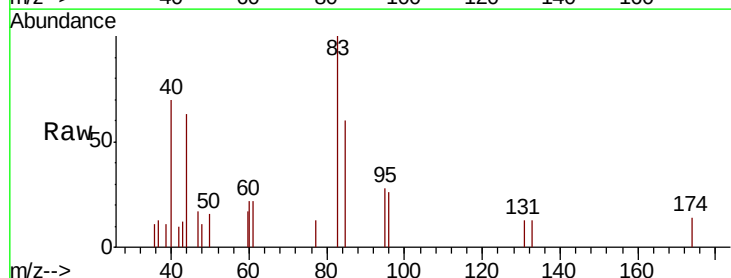
Lab File: VN055073.D

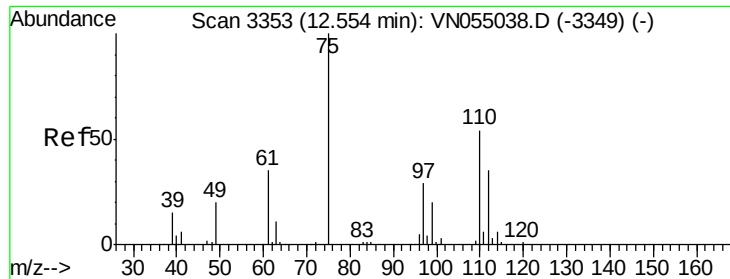
Acq: 16 Apr 2019 12:55

Tgt Ion: 83 Resp: 2523

Ion Ratio Lower Upper

83	100		
131	13.0	5.0	15.0
85	69.3	32.3	96.9

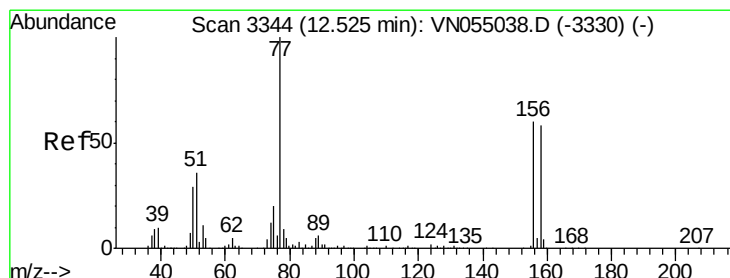
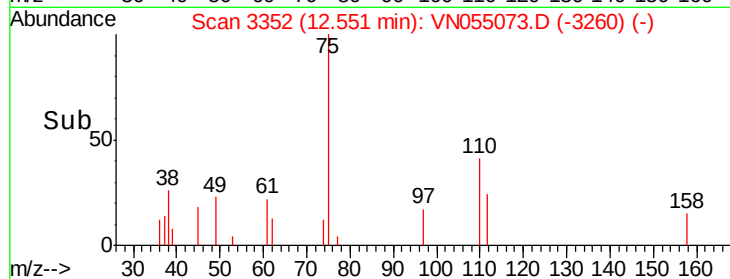
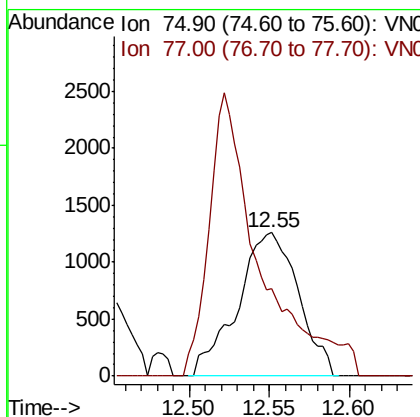
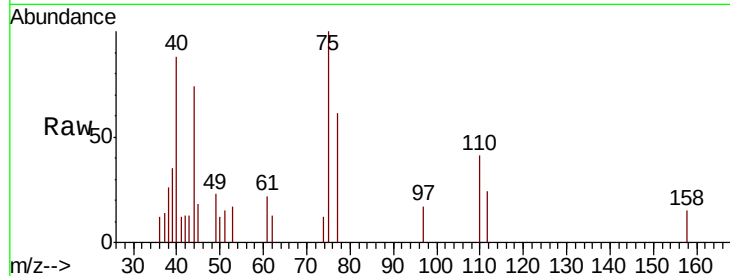




#76
 1,2,3-Trichloropropane
 Concen: 1.146 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

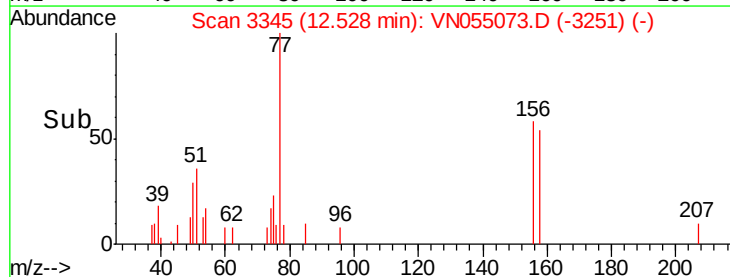
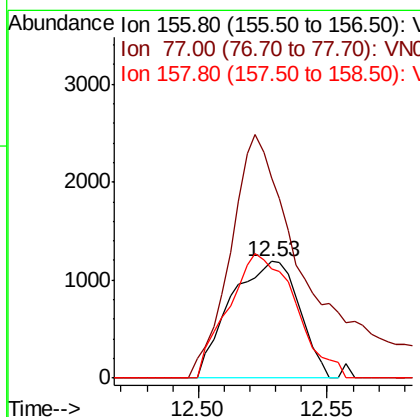
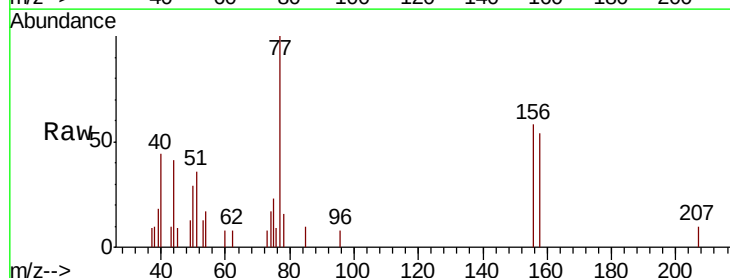
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

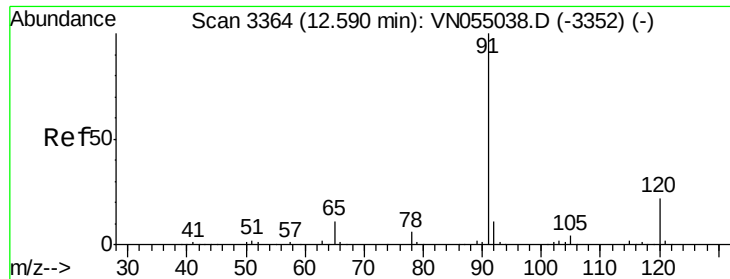
Tot Ion: 75 Resp: 3289
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.627 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion: 156 Resp: 2212
 Ion Ratio Lower Upper
 156 100
 77 246.6 97.2 291.5
 158 104.6 48.6 145.9





#78

n-propylbenzene

Concen: 0.644 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

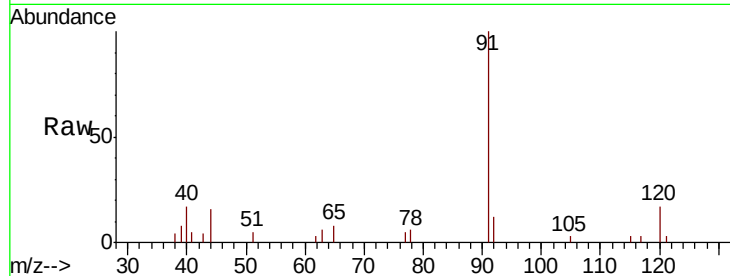
MDL-MDL-WATER-03-QT2-2019

Tot Ion: 91 Resp: 9850

Ion Ratio Lower Upper

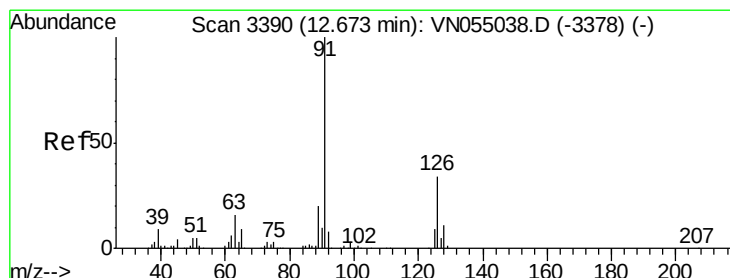
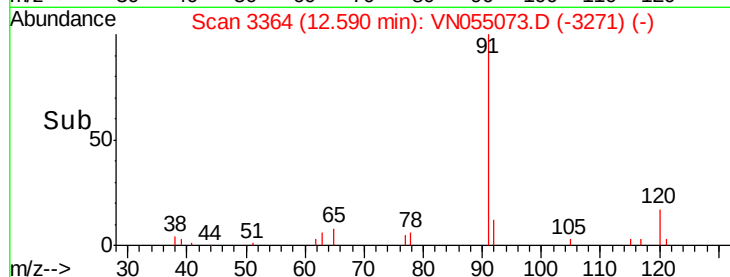
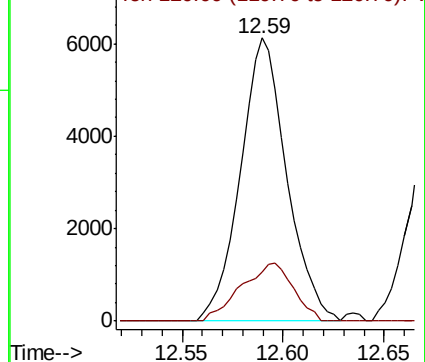
91 100

120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.692 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055073.D

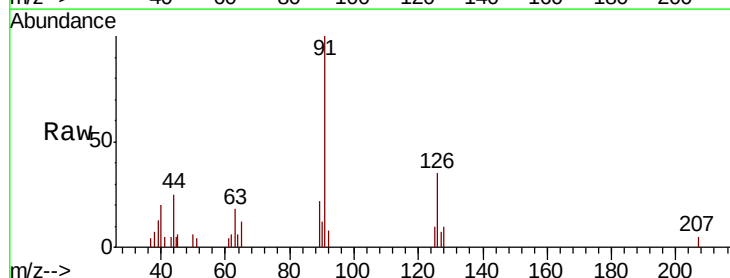
Acq: 16 Apr 2019 12:55

Tgt Ion: 91 Resp: 6599

Ion Ratio Lower Upper

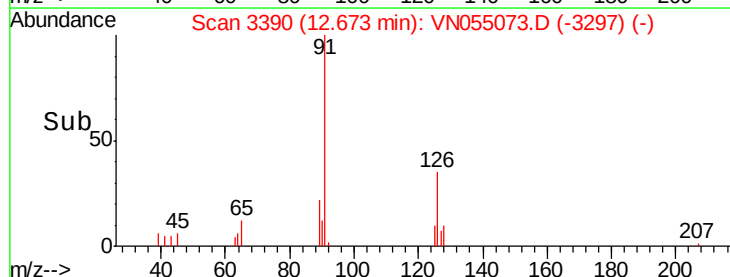
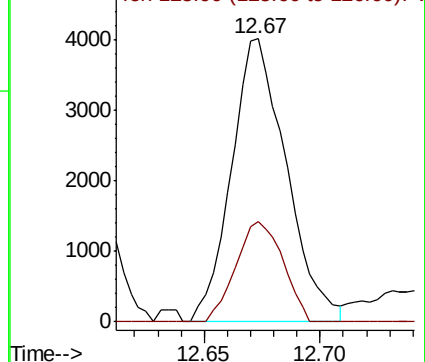
91 100

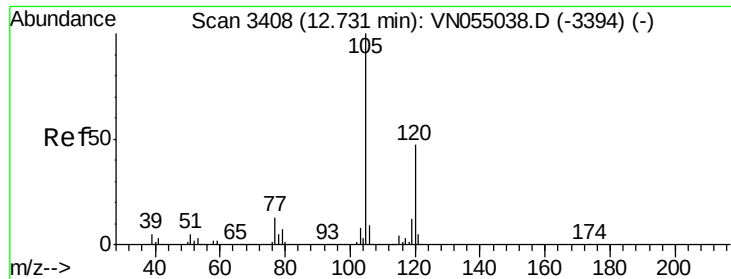
126 30.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.693 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

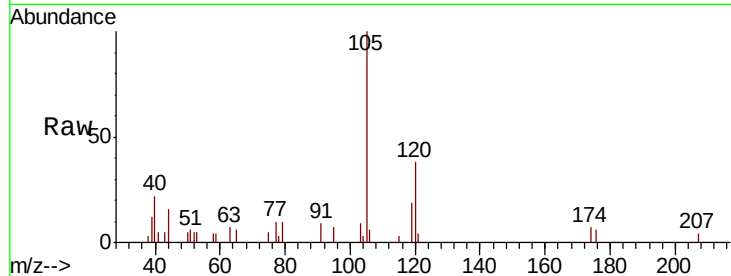
MDL-MDL-WATER-03-QT2-2019

Tot Ion:105 Resp: 7922

Ion Ratio Lower Upper

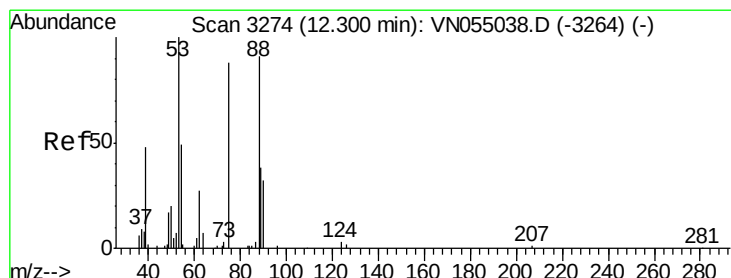
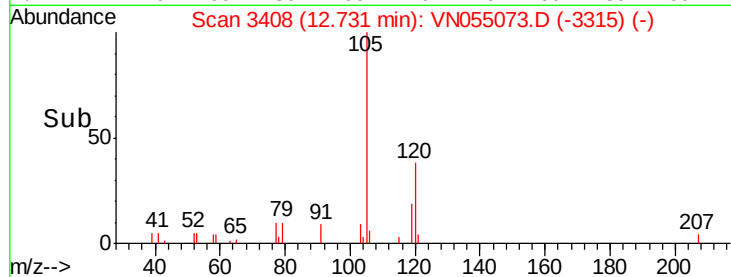
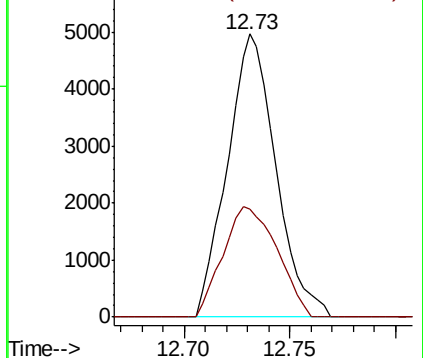
105 100

120 43.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 147.399 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

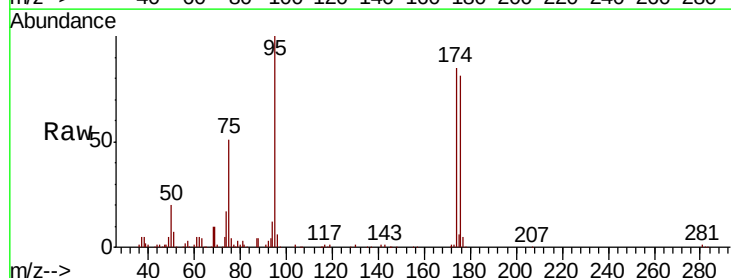
Tgt Ion: 75 Resp: 105768

Ion Ratio Lower Upper

75 100

53 0.1 96.3 144.5#

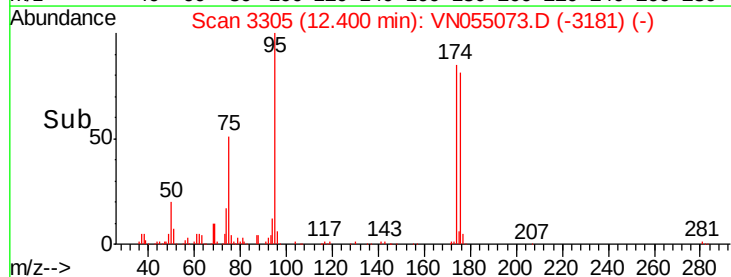
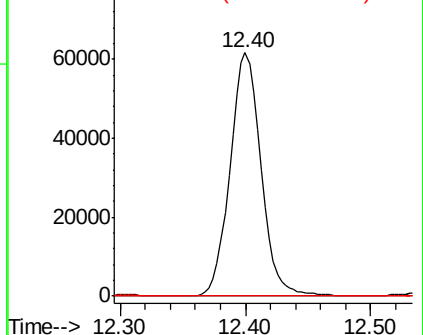
89 0.0 38.6 57.8#

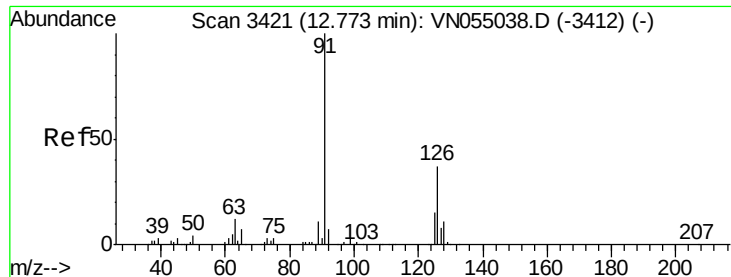


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

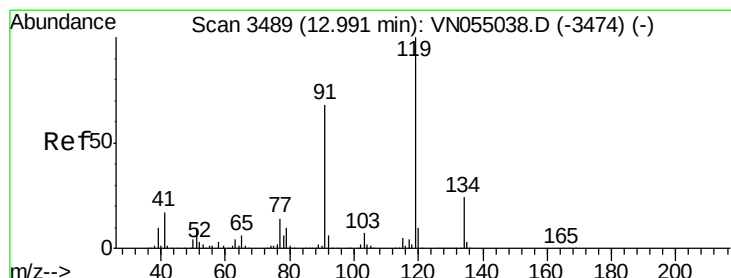
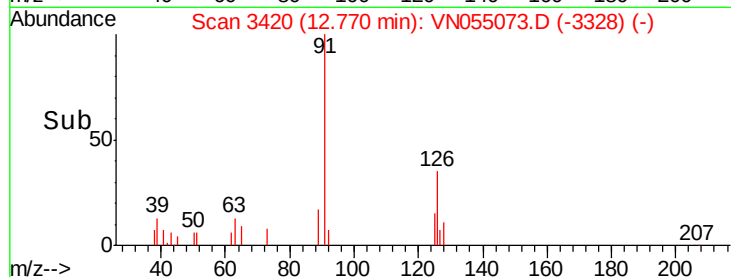
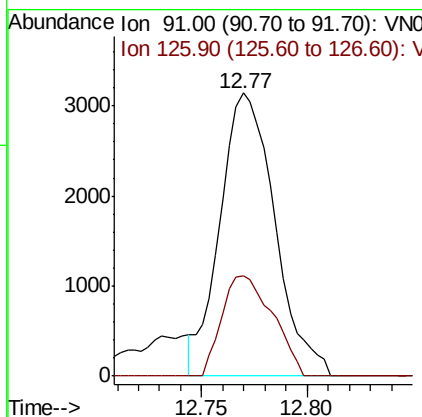
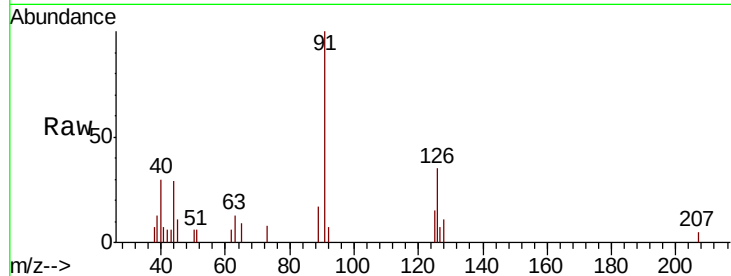




#82
4-Chlorotoluene
Concen: 0.637 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

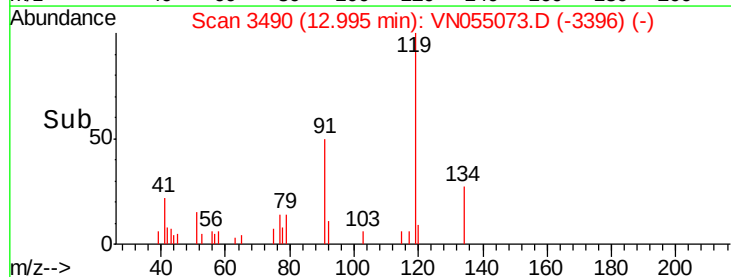
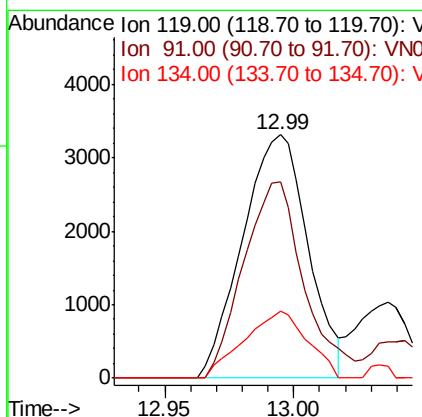
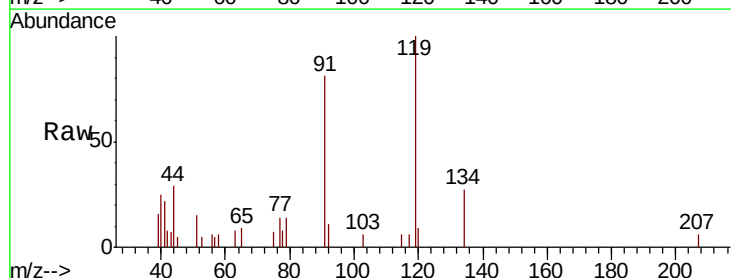
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

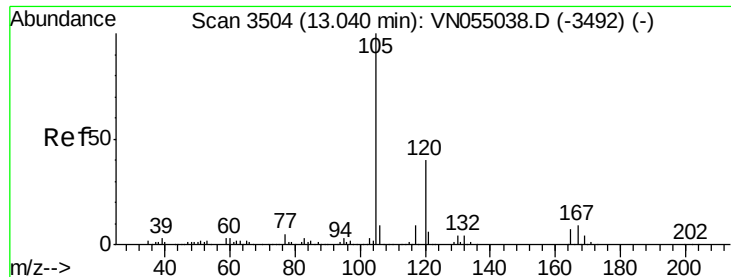
Tot Ion: 91 Resp: 5673
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.2



#83
tert-Butylbenzene
Concen: 0.607 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055073.D
Acq: 16 Apr 2019 12:55

Tgt Ion: 119 Resp: 5858
Ion Ratio Lower Upper
119 100
91 74.5 33.3 99.8
134 26.6 12.3 36.9





#84

1,2,4-Trimethylbenzene

Concen: 0.564 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

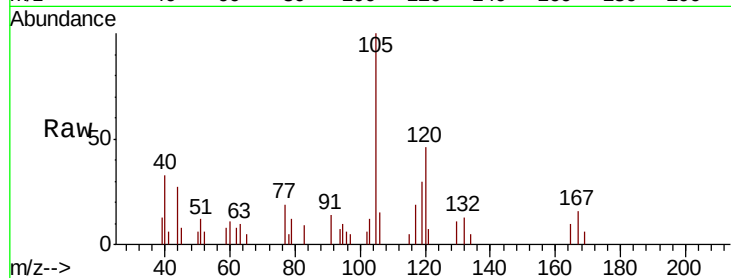
MDL-MDL-WATER-03-QT2-2019

Tot Ion:105 Resp: 6104

Ion Ratio Lower Upper

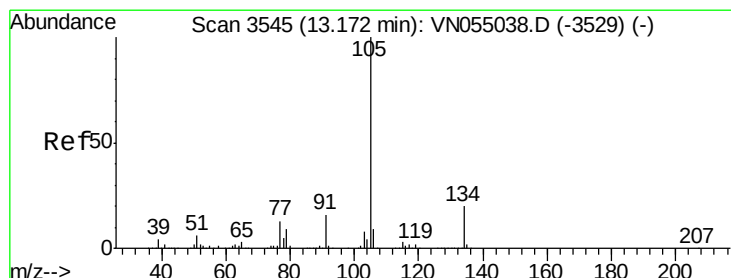
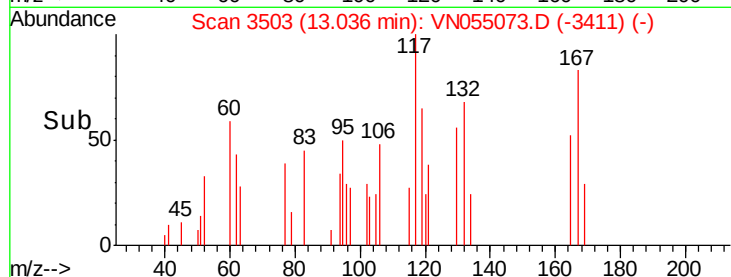
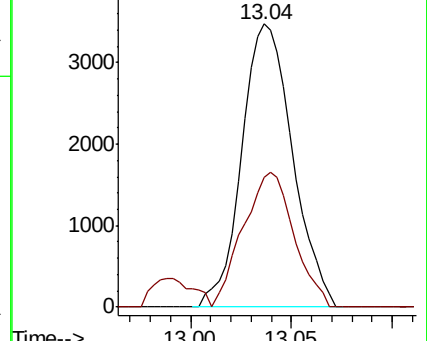
105 100

120 47.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.614 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055073.D

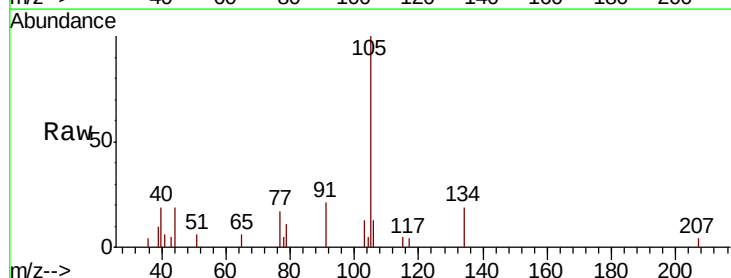
Acq: 16 Apr 2019 12:55

Tgt Ion:105 Resp: 7545

Ion Ratio Lower Upper

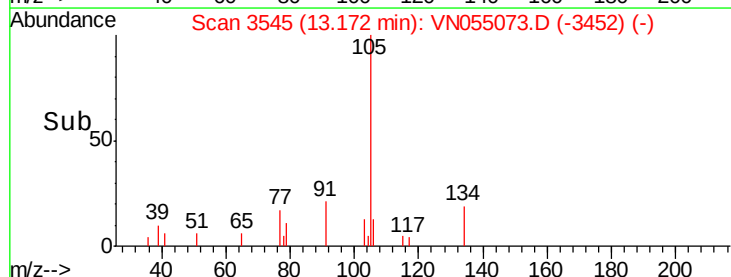
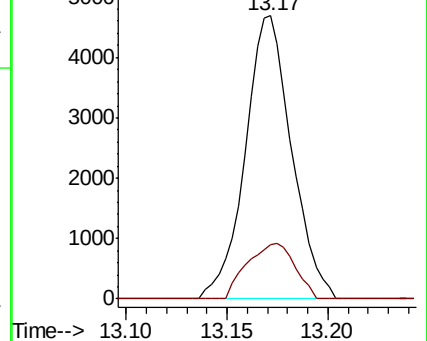
105 100

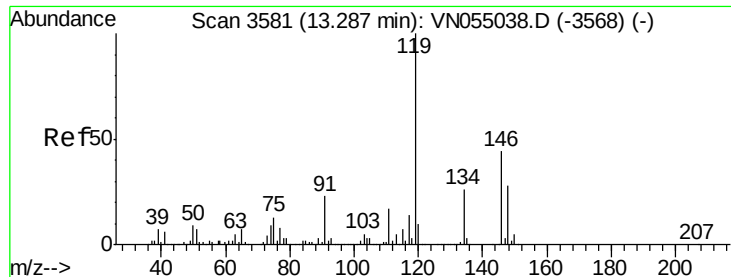
134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

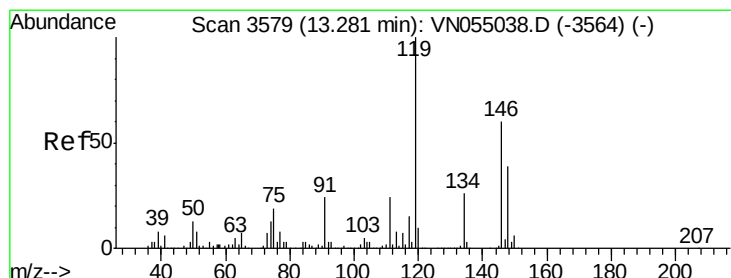
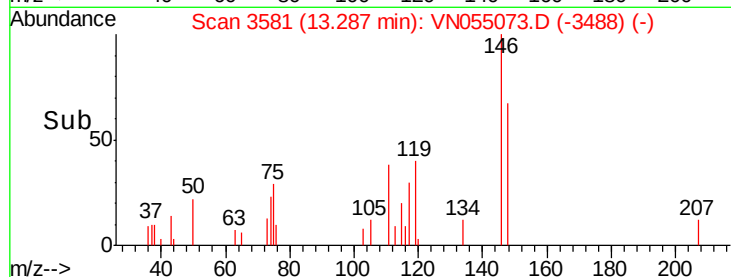
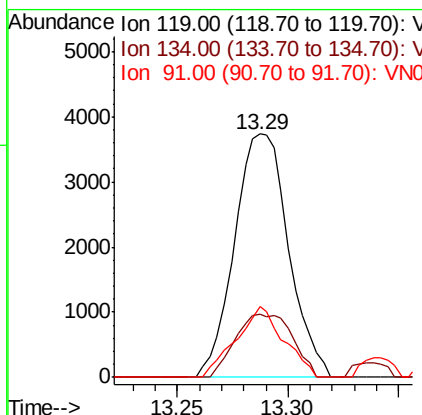
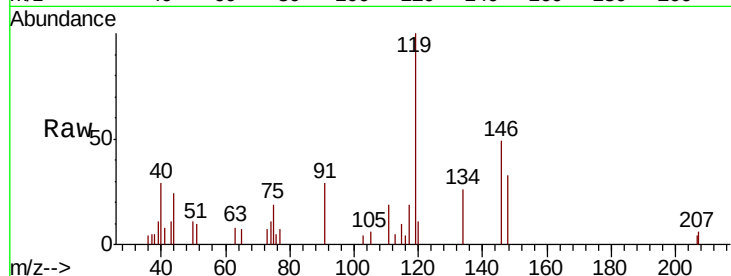




#86
 p-Isopropyltoluene
 Concen: 0.600 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

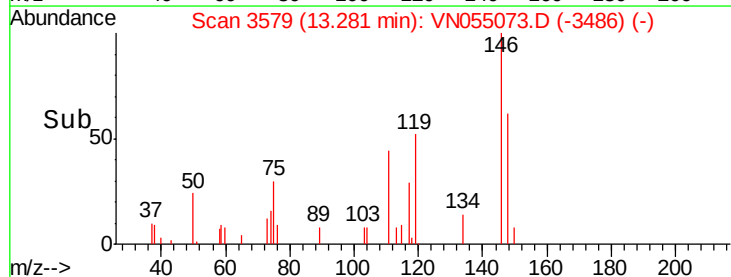
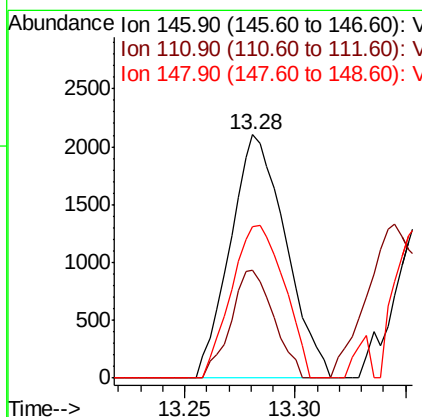
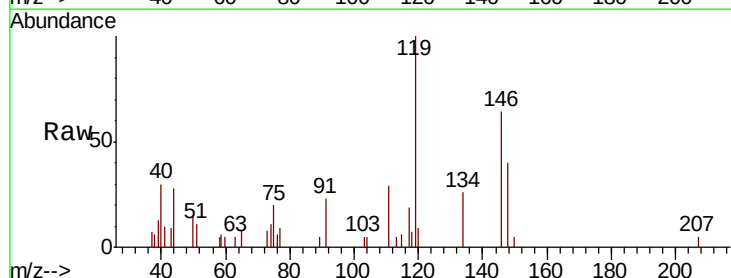
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

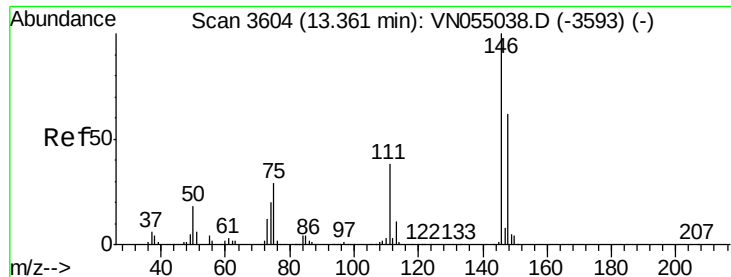
Tot Ion:119 Resp: 6334
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.5
 91 25.6 11.7 35.1



#87
 1,3-Dichlorobenzene
 Concen: 0.682 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Tgt Ion:146 Resp: 3661
 Ion Ratio Lower Upper
 146 100
 111 34.6 19.5 58.5
 148 59.8 31.6 94.7





#88

1,4-Dichlorobenzene

Concen: 0.716 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

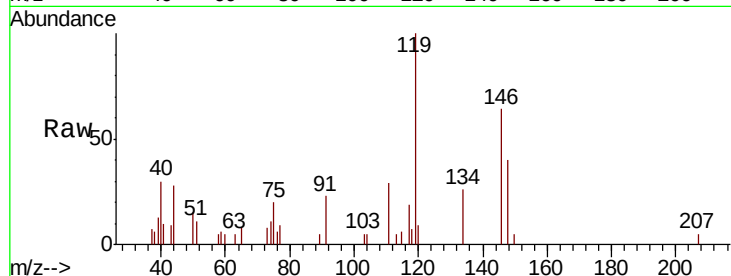
Tot Ion:146 Resp: 3661

Ion Ratio Lower Upper

146 100

111 34.6 18.8 56.4

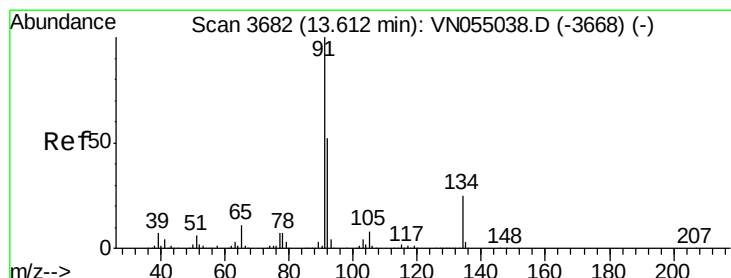
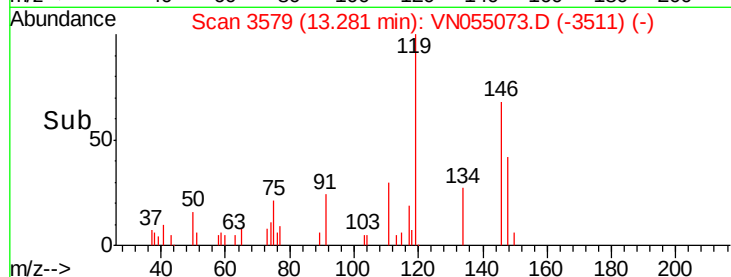
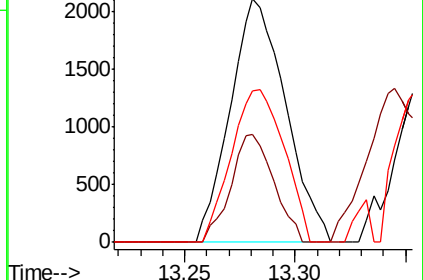
148 59.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.648 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

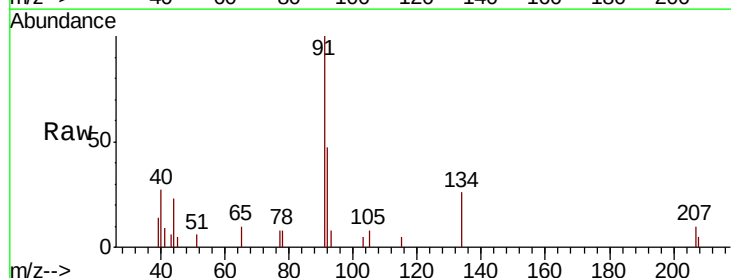
Tgt Ion: 91 Resp: 5076

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

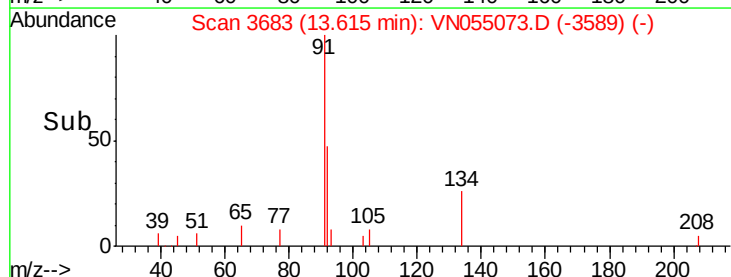
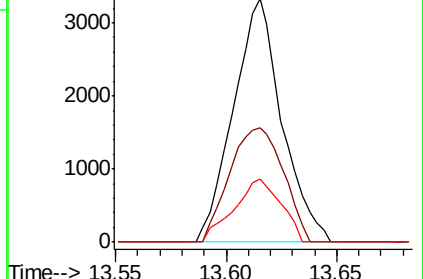
134 25.2 12.8 38.3

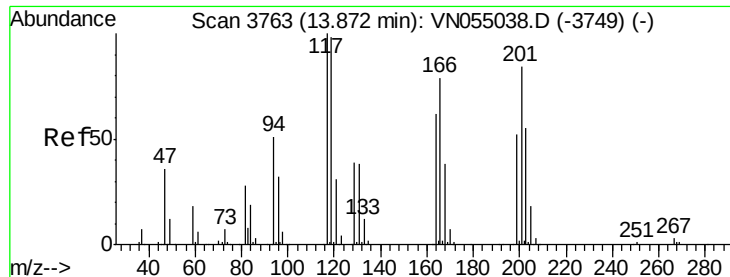


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.683 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

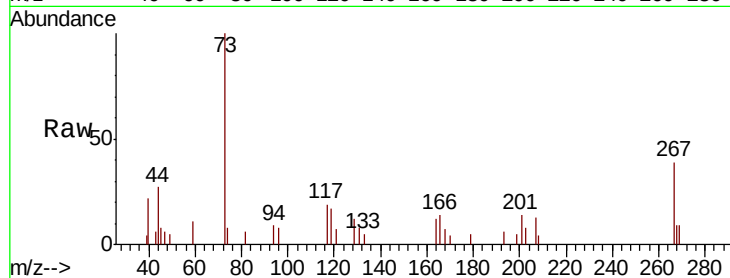
MDL-MDL-WATER-03-QT2-2019

Tot Ion:117 Resp: 1173

Ion Ratio Lower Upper

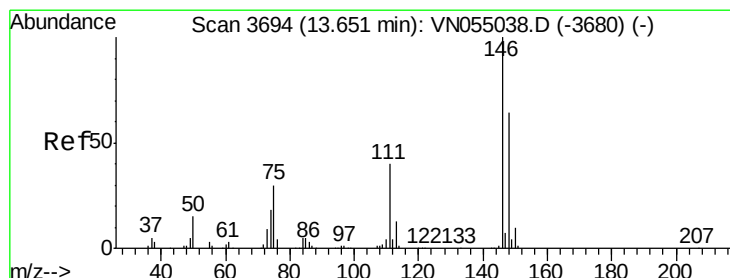
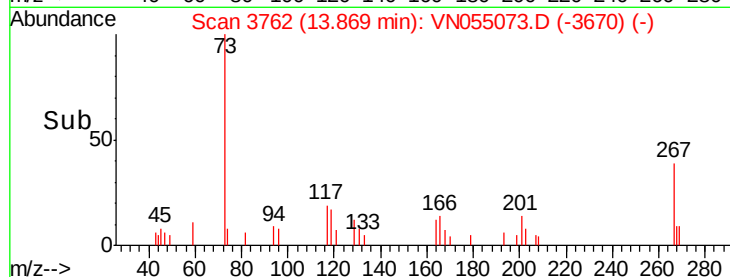
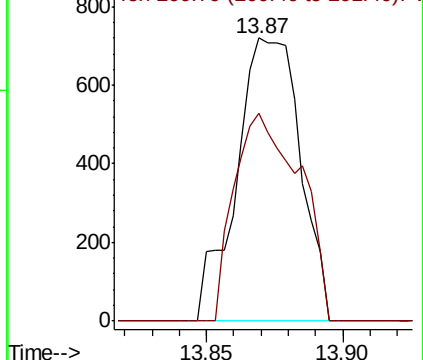
117 100

201 75.9 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.604 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

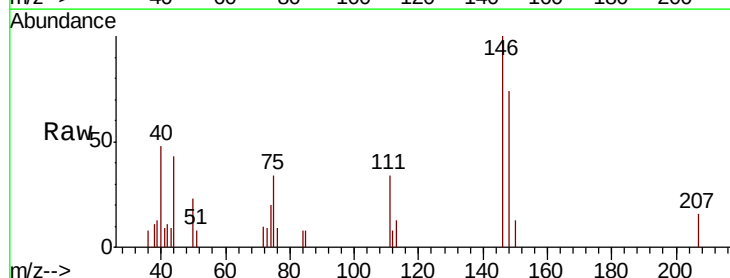
Tgt Ion:146 Resp: 3263

Ion Ratio Lower Upper

146 100

111 39.8 20.3 60.9

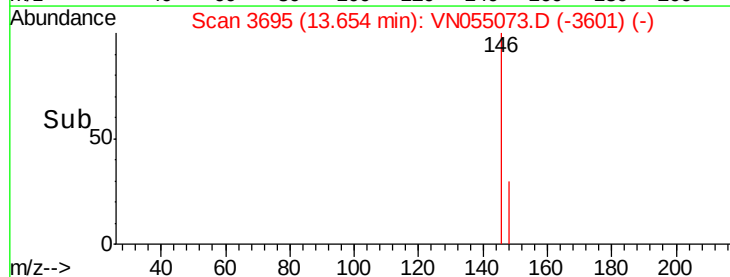
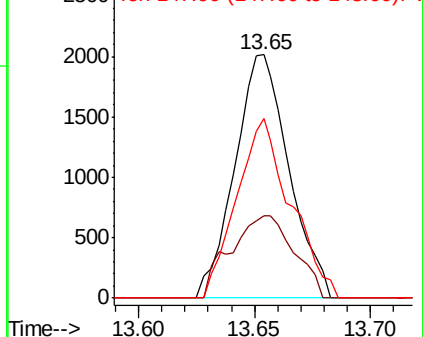
148 73.7 32.2 96.6

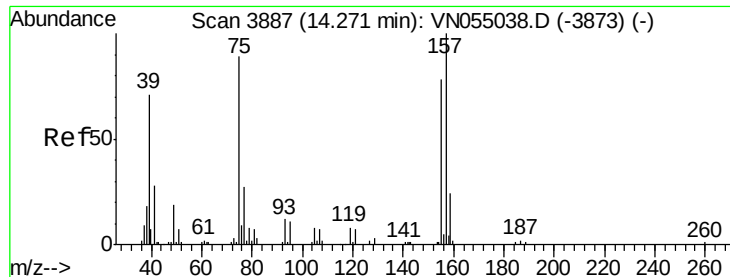


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.645 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

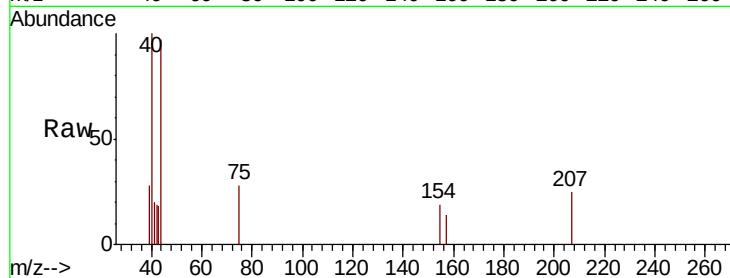
Tot Ion: 75 Resp: 301

Ion Ratio Lower Upper

75 100

155 23.9 42.0 126.0#

157 69.8 52.1 156.4



Abundance Ion 74.90 (74.60 to 75.60): VN055073.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN055073.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN055073.D (-3794) (-)

14.26

300

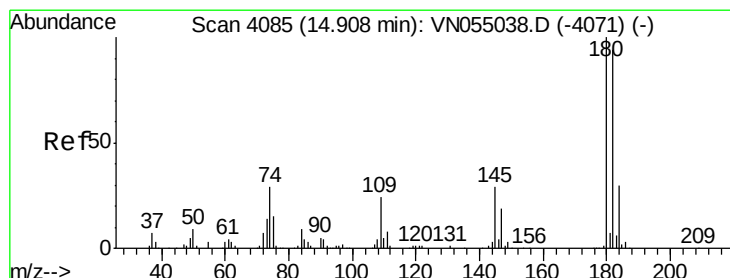
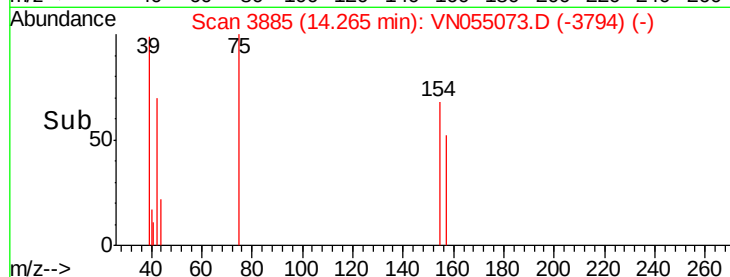
200

100

0

14.24 14.26 14.28

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.291 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

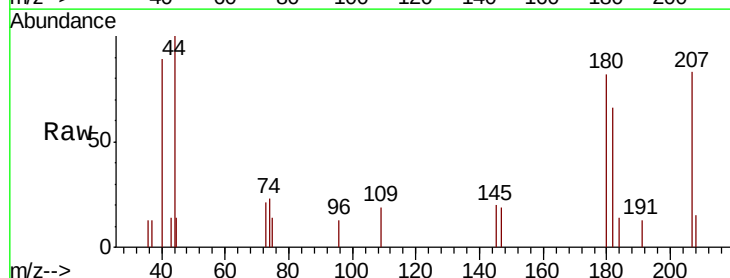
Tgt Ion: 180 Resp: 1587

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 22.1 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): VN055073.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN055073.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN055073.D (-3992) (-)

14.91

1500

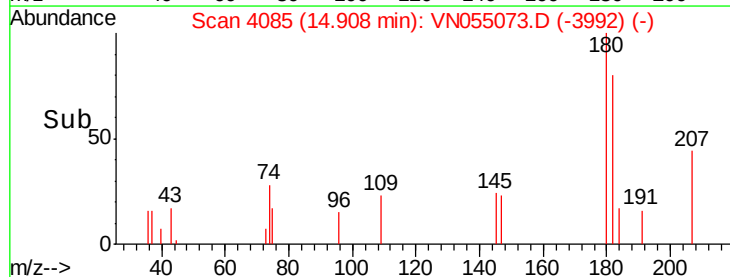
1000

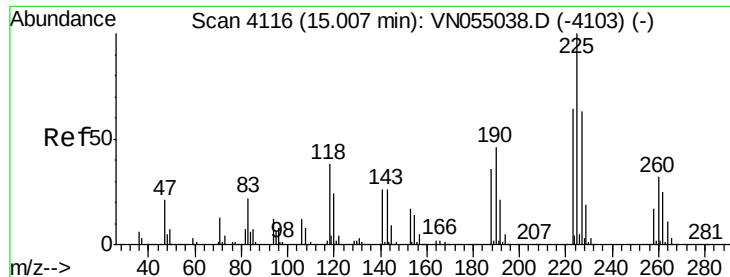
500

0

14.90 14.91 14.95

Time-->





#94

Hexachlorobutadiene

Concen: 0.900 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT2-2019

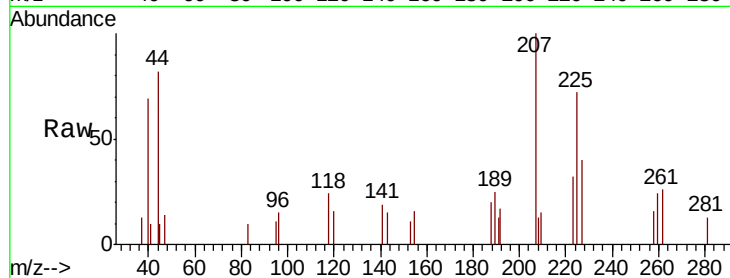
Tot Ion:225 Resp: 1501

Ion Ratio Lower Upper

225 100

223 52.2 31.4 94.0

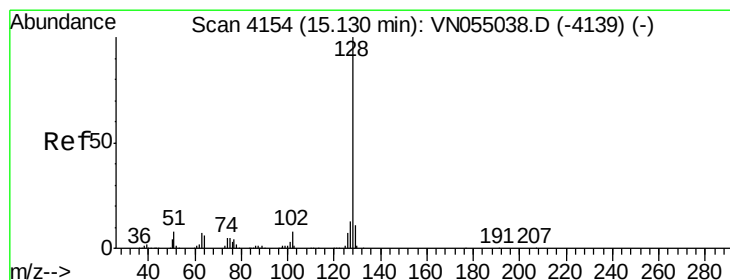
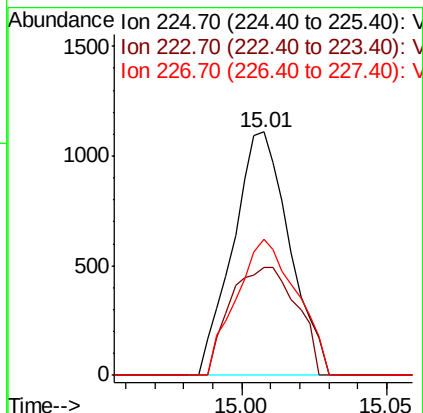
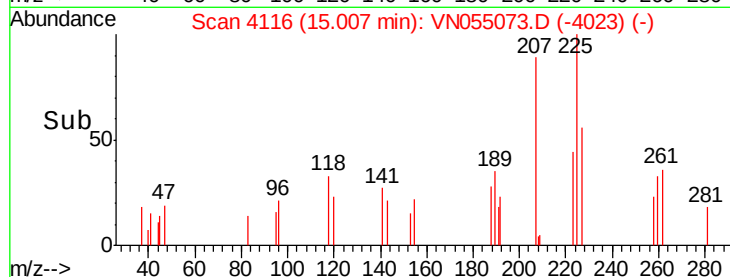
227 60.0 32.6 97.7



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: 3.576 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055073.D

Acq: 16 Apr 2019 12:55

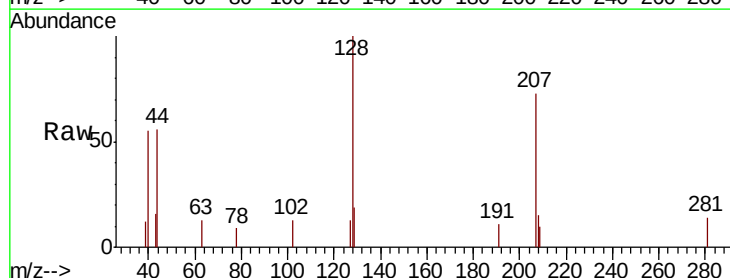
Tgt Ion:128 Resp: 3028

Ion Ratio Lower Upper

128 100

127 7.3 10.1 15.1#

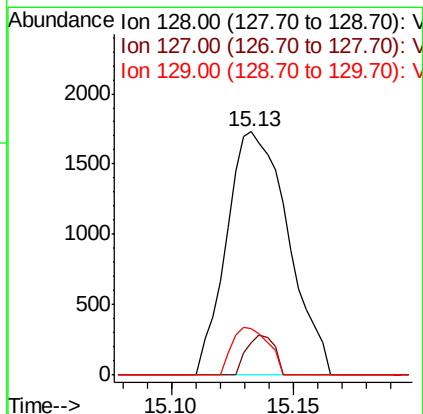
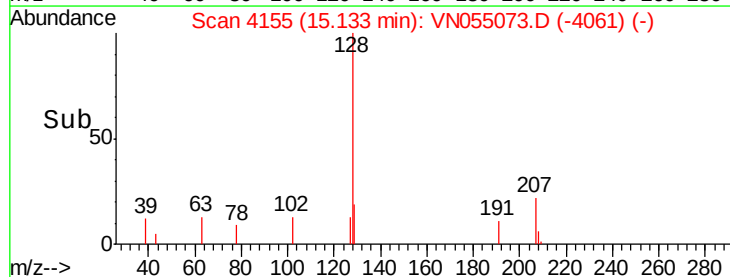
129 11.5 8.8 13.2

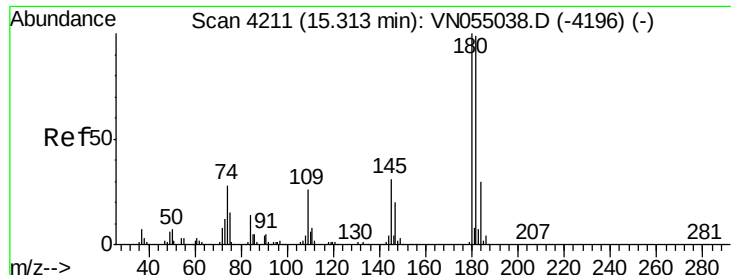


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

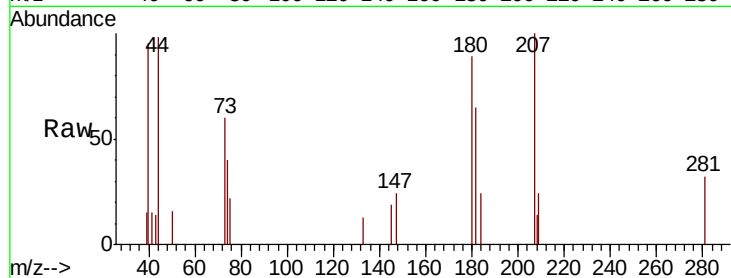




#96
 1,2,3-Trichlorobenzene
 Concen: 0.876 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN055073.D
 Acq: 16 Apr 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	47.8	48.0	144.0#
145	19.7	15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

