

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054772.D
 Acq On : 29 Mar 2019 16:13
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Quant Time: Mar 30 03:08:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	394546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	675761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286917	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	216837	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	800068	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.40	95	243666	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	4733	1.186 ug/l	91
3) Chloromethane	2.06	50	6022	1.091 ug/l	91
4) Vinyl Chloride	2.19	62	5408	1.091 ug/l	96
5) Bromomethane	2.58	94	3785	Below Cal	92
6) Chloroethane	2.71	64	3122	1.128 ug/l	89
7) Trichlorofluoromethane	3.02	101	7018	1.152 ug/l	98
8) Diethyl Ether	3.42	74	2500	1.274 ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3519	1.097 ug/l #	55
10) Methyl Iodide	3.94	142	3483	0.793 ug/l	99
11) Tert butyl alcohol	4.82	59	877	3.165 ug/l #	70
12) 1,1-Dichloroethene	3.73	96	3705	1.195 ug/l #	80
13) Acrolein	3.62	56	77	0.311 ug/l #	14
14) Allyl chloride	4.32	41	8867	1.161 ug/l #	87
15) Acrylonitrile	4.99	53	8521	5.532 ug/l #	76
16) Acetone	3.83	43	10376	8.181 ug/l #	66
17) Carbon Disulfide	4.04	76	11812	1.174 ug/l #	85
18) Methyl Acetate	4.33	43	5490	0.757 ug/l #	77
19) Methyl tert-butyl Ether	5.06	73	11547	1.064 ug/l	98
20) Methylene Chloride	4.54	84	6424	1.436 ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	2421	0.594 ug/l	87
22) Diisopropyl ether	5.95	45	7025	0.465 ug/l #	82
23) Vinyl Acetate	5.90	43	52418	4.985 ug/l #	89
24) 1,1-Dichloroethane	5.85	63	8686	1.078 ug/l #	92
25) 2-Butanone	6.85	43	10962	5.847 ug/l #	76
26) 2,2-Dichloropropane	6.82	77	5721	1.013 ug/l	84
27) cis-1,2-Dichloroethene	6.83	96	4503	0.979 ug/l	70
28) Bromochloromethane	7.20	49	4555	1.130 ug/l #	67
29) Tetrahydrofuran	7.22	42	2564	1.969 ug/l #	30
30) Chloroform	7.37	83	7983	1.039 ug/l	91
31) Cyclohexane	7.65	56	16618	0.211 ug/l #	67
32) 1,1,1-Trichloroethane	7.57	97	6254	0.982 ug/l #	40
36) 1,1-Dichloropropene	7.80	75	6072	0.964 ug/l	97
37) Ethyl Acetate	6.95	43	4243	0.919 ug/l #	69
38) Carbon Tetrachloride	7.77	117	6889	1.126 ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	7511	1.085	ug/l	95
40) Benzene	8.04	78	17847	0.991	ug/l	98
41) Methacrylonitrile	7.19	41	2348	0.905	ug/l #	40
42) 1,2-Dichloroethane	8.13	62	7467	1.161	ug/l	88
43) Isopropyl Acetate	8.18	43	7945	1.059	ug/l #	73
44) Trichloroethene	8.83	130	4889	1.045	ug/l	90
45) 1,2-Dichloropropane	9.12	63	5263	1.024	ug/l	99
46) Dibromomethane	9.21	93	2812	0.973	ug/l	88
47) Bromodichloromethane	9.40	83	5614	0.935	ug/l	98
48) Methyl methacrylate	9.20	41	3120	0.767	ug/l #	91
49) 1,4-Dioxane	9.20	88	897	22.228	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	22830	5.412	ug/l	97
52) Toluene	10.16	92	10572	0.986	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	4430	0.784	ug/l	89
54) cis-1,3-Dichloropropene	9.84	75	5807	0.860	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	3809	0.955	ug/l #	91
56) Ethyl methacrylate	10.43	69	4664	0.892	ug/l #	55
57) 1,3-Dichloropropane	10.71	76	6838	0.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	8531	13.985	ug/l	94
59) 2-Hexanone	10.75	43	14139	5.236	ug/l	83
60) Dibromochloromethane	10.90	129	3531	0.874	ug/l	98
61) 1,2-Dibromoethane	11.01	107	3683	0.967	ug/l	100
64) Tetrachloroethene	10.63	164	4734	1.084	ug/l	91
65) Chlorobenzene	11.44	112	10461	0.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	3848	0.922	ug/l #	59
67) Ethyl Benzene	11.51	91	18974	0.943	ug/l	98
68) m/p-Xylenes	11.62	106	14160	1.903	ug/l	98
69) o-Xylene	11.95	106	6767	0.927	ug/l	93
70) Styrene	11.97	104	10021	0.859	ug/l	96
71) Bromoform	12.13	173	1988	0.814	ug/l #	60
73) Isopropylbenzene	12.25	105	17971	1.088	ug/l	97
74) N-amyl acetate	12.07	43	4098	0.796	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5176	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.55	75	5895	1.679	ug/l #	100
77) Bromobenzene	12.53	156	4204	1.054	ug/l	72
78) n-propylbenzene	12.59	91	18811	1.036	ug/l	94
79) 2-Chlorotoluene	12.67	91	12393	1.103	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	13874	1.023	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	127823	141.571	ug/l #	11
82) 4-Chlorotoluene	12.77	91	11263	1.032	ug/l	97
83) tert-Butylbenzene	12.99	119	13665	Below Cal		97
84) 1,2,4-Trimethylbenzene	13.04	105	13030	1.009	ug/l	97
85) sec-Butylbenzene	13.17	105	15427	1.047	ug/l	95
86) p-Isopropyltoluene	13.29	119	13529	1.041	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	6690	1.002	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	6690	1.022	ug/l	96
89) n-Butylbenzene	13.62	91	9026	0.852	ug/l	98
90) Hexachloroethane	13.87	117	1923	0.872	ug/l #	42
91) 1,2-Dichlorobenzene	13.65	146	7126	1.058	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	290	0.513	ug/l #	59

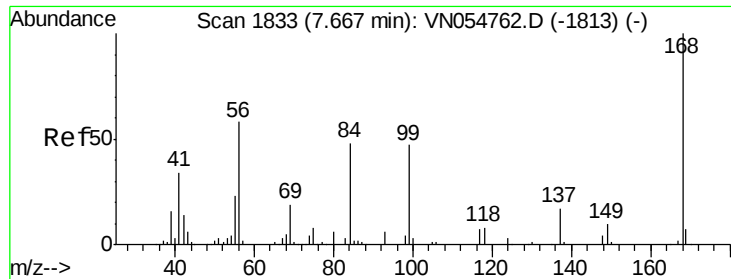
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2604	0.802	ug/l	92
94) Hexachlorobutadiene	15.00	225	2107	Below Cal		94
95) Naphthalene	15.13	128	6877	0.944	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	3326	1.014	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

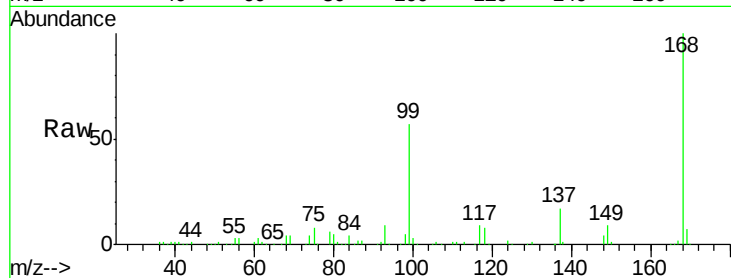
LOD-MDL-WATER-01-QT1-2019

Tgt Ion:168 Resp: 394546

Ion Ratio Lower Upper

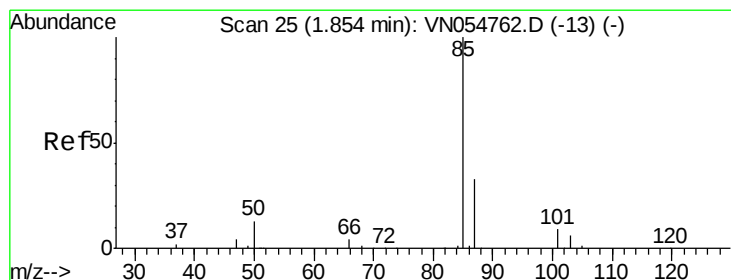
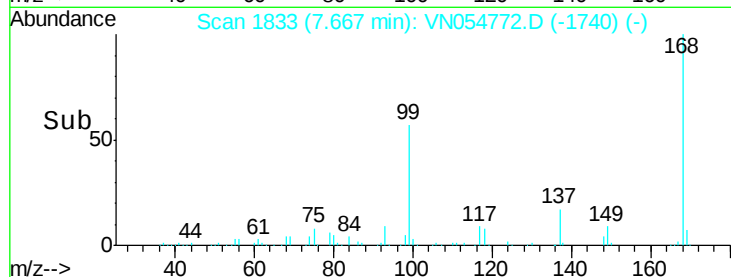
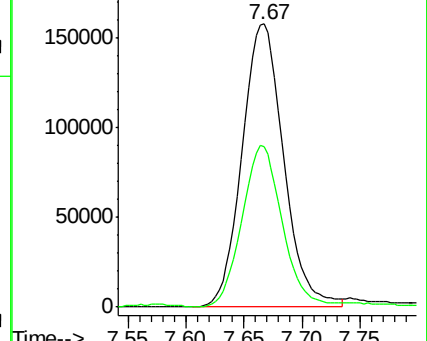
168 100

99 56.5 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.186 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054772.D

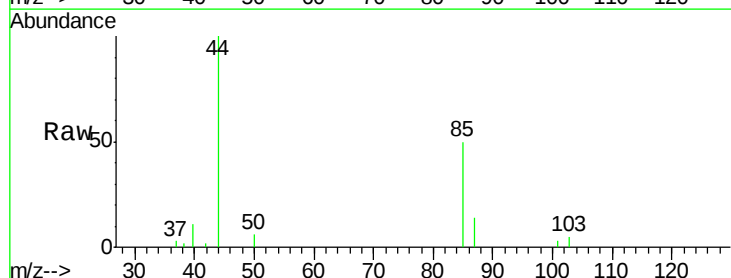
Acq: 29 Mar 2019 16:13

Tgt Ion: 85 Resp: 4733

Ion Ratio Lower Upper

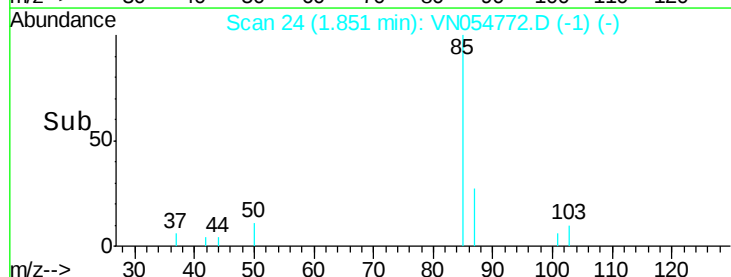
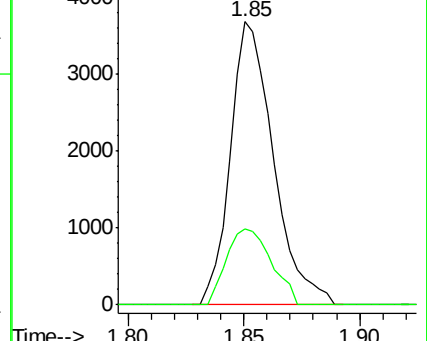
85 100

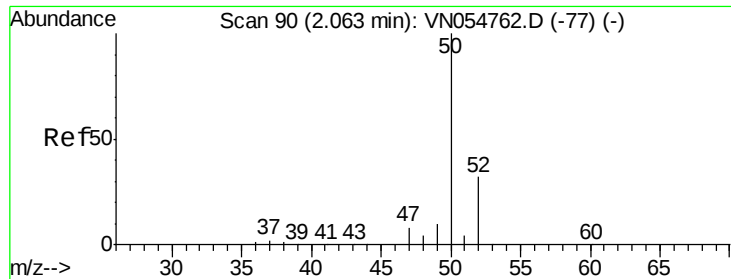
87 27.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.091 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

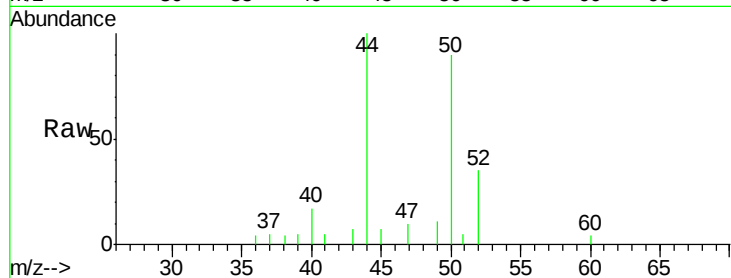
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 50 Resp: 6022

Ion Ratio Lower Upper

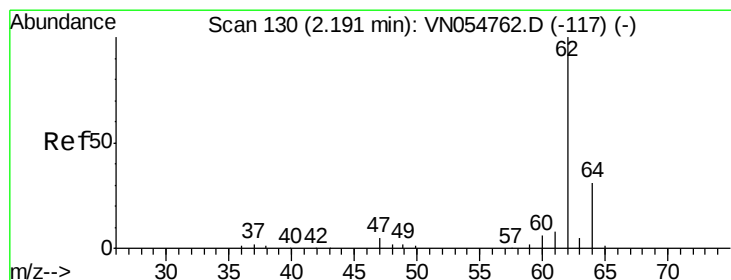
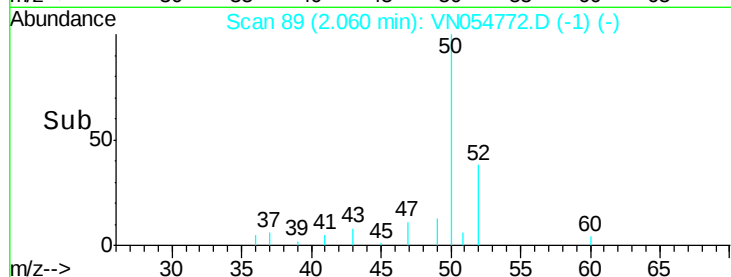
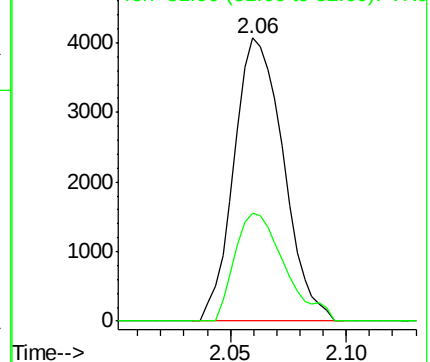
50 100

52 38.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.091 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054772.D

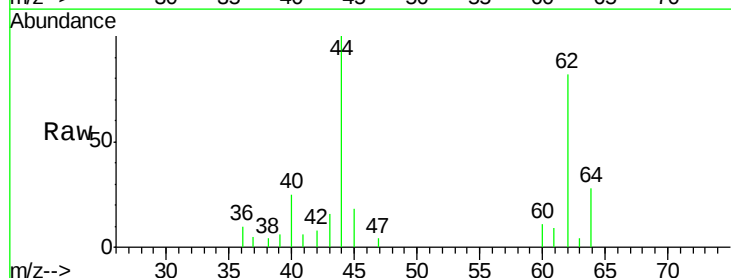
Acq: 29 Mar 2019 16:13

Tgt Ion: 62 Resp: 5408

Ion Ratio Lower Upper

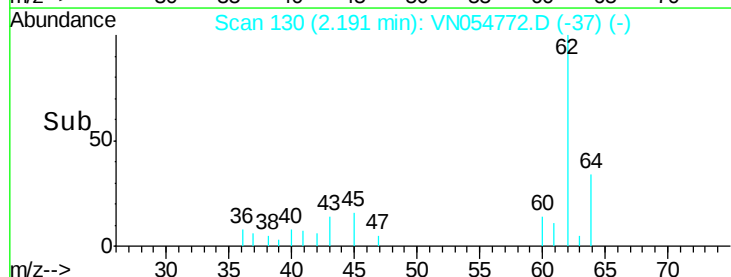
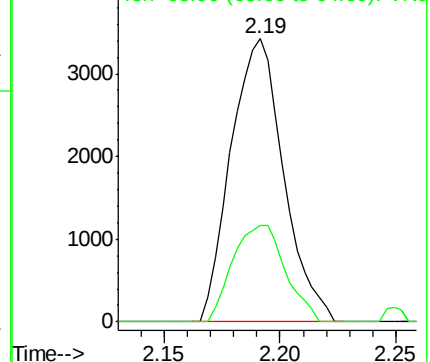
62 100

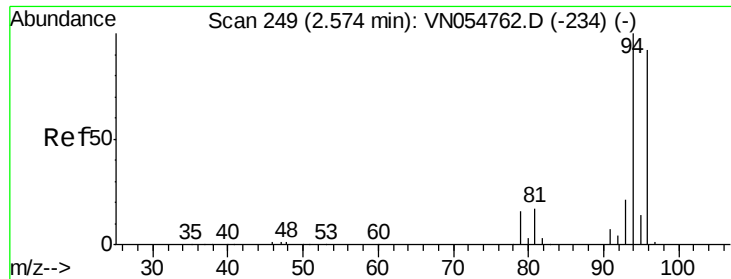
64 34.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

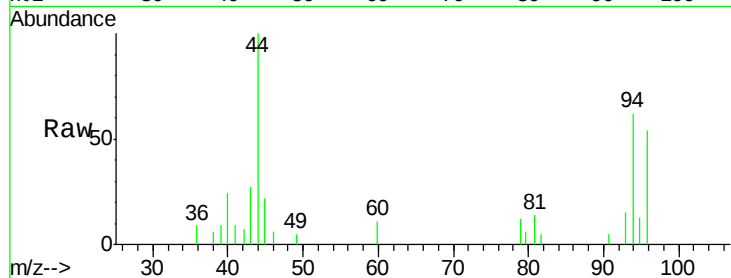
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 94 Resp: 3785

Ion Ratio Lower Upper

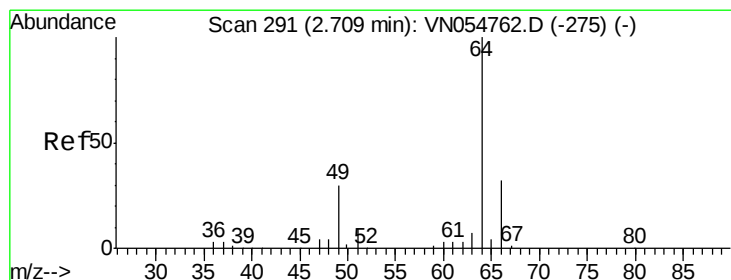
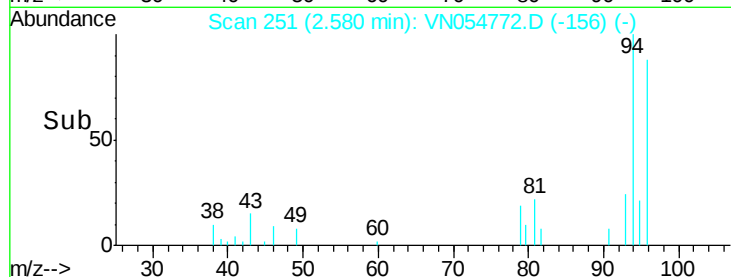
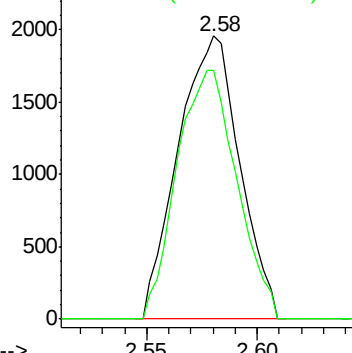
94 100

96 87.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.128 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054772.D

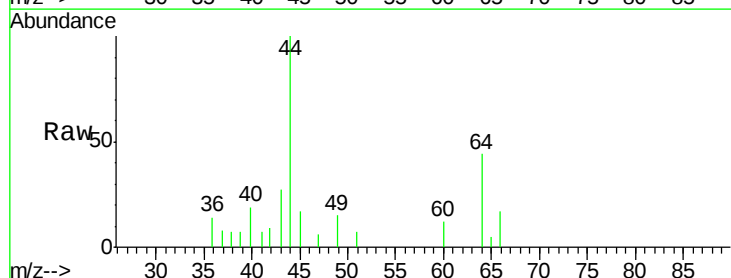
Acq: 29 Mar 2019 16:13

Tgt Ion: 64 Resp: 3122

Ion Ratio Lower Upper

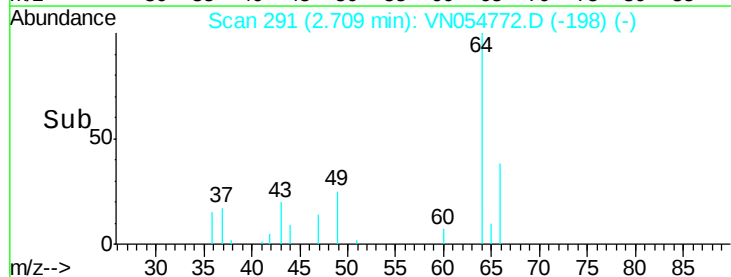
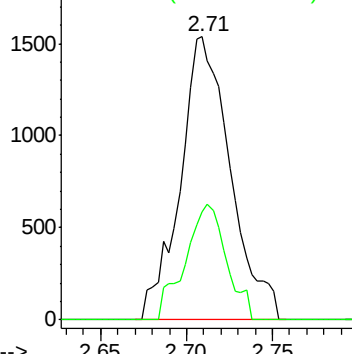
64 100

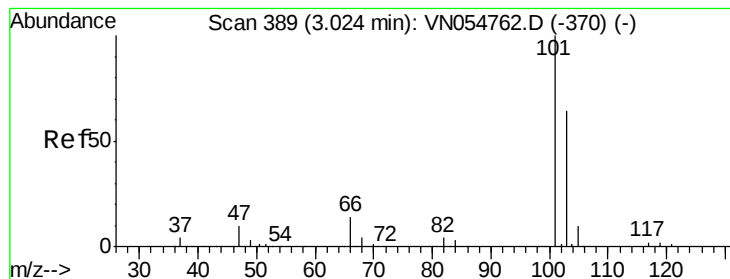
66 38.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



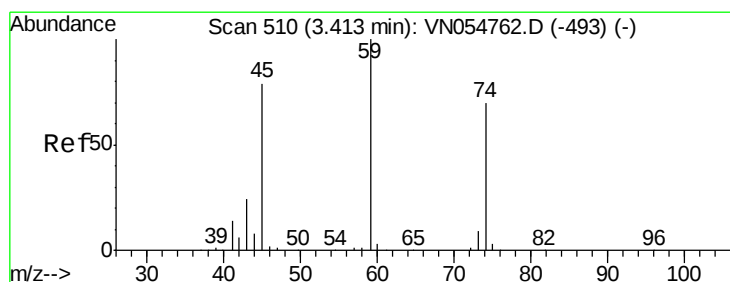
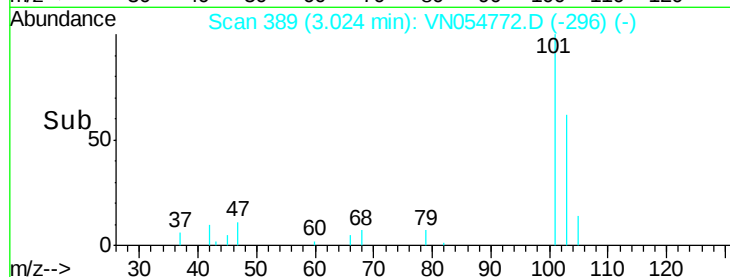
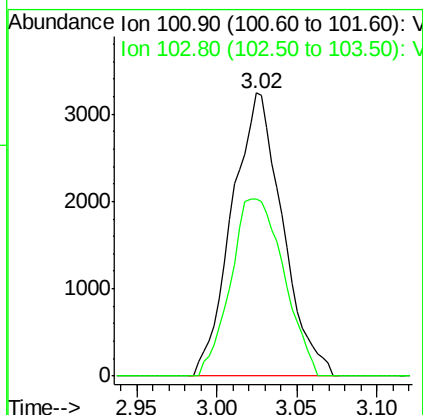
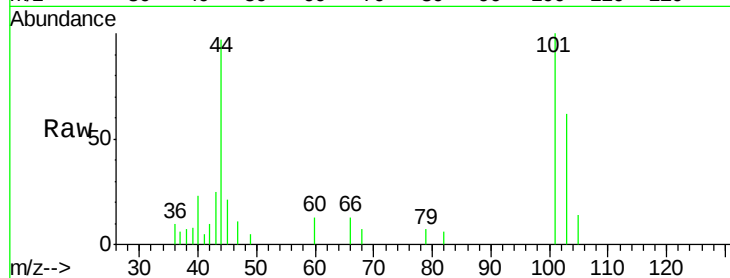


#7

Trichlorofluoromethane
Concen: 1.152 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054772.D
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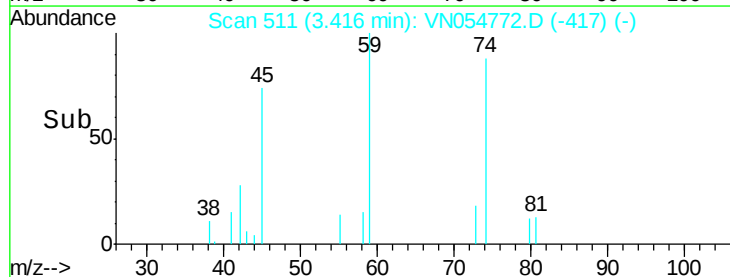
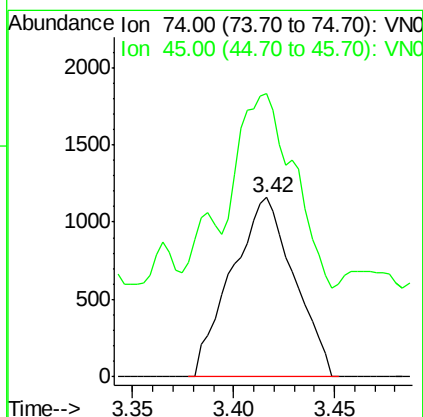
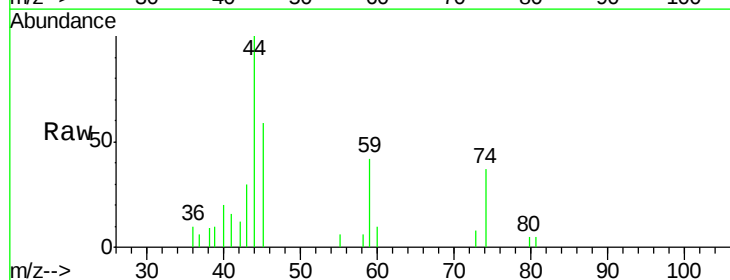
Tgt Ion:101 Resp: 7018
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2

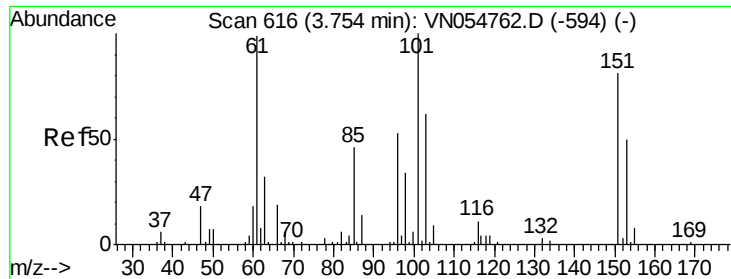


#8

Diethyl Ether
Concen: 1.274 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 74 Resp: 2500
Ion Ratio Lower Upper
74 100
45 102.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.097 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

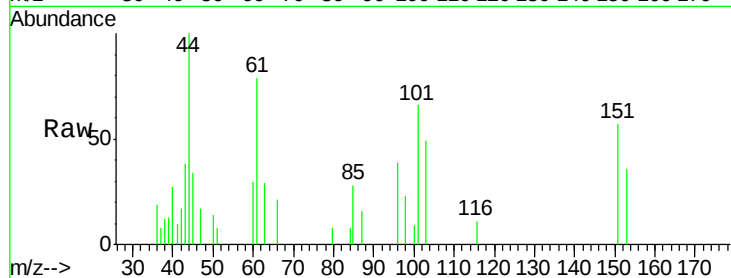
Tgt Ion:101 Resp: 3519

Ion Ratio Lower Upper

101 100

85 27.3 32.4 48.6#

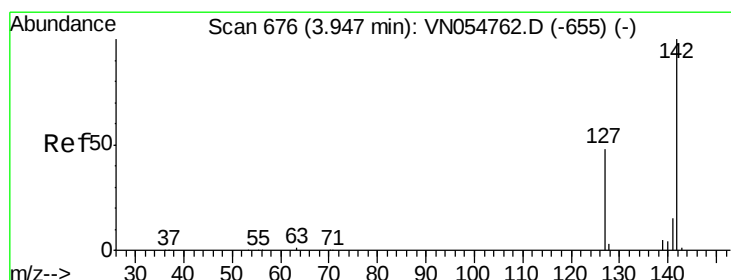
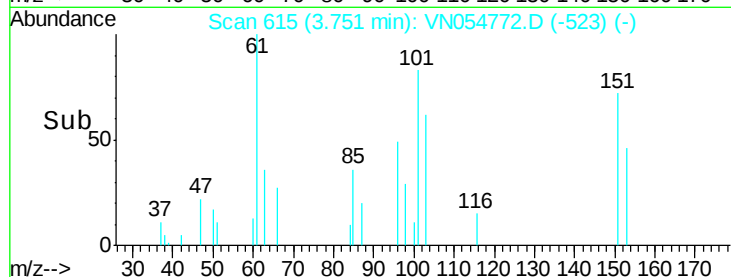
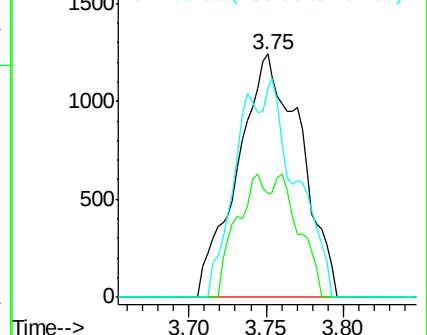
151 34.3 68.2 102.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.793 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

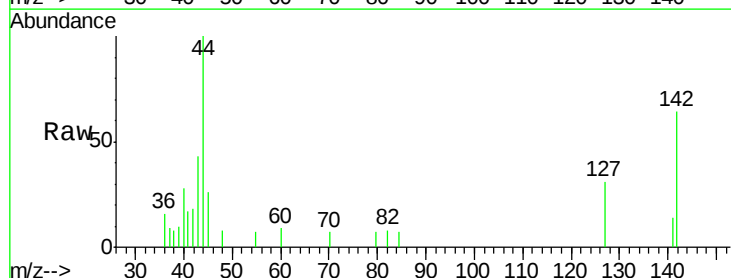
Tgt Ion:142 Resp: 3483

Ion Ratio Lower Upper

142 100

127 37.5 30.3 45.5

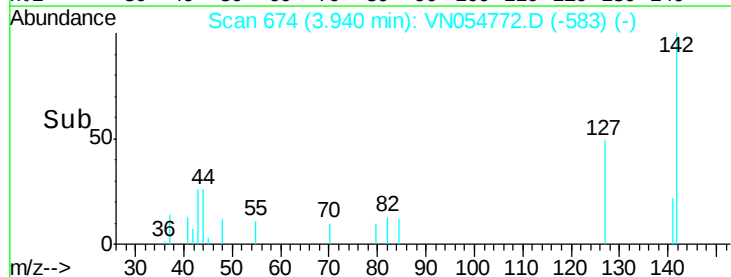
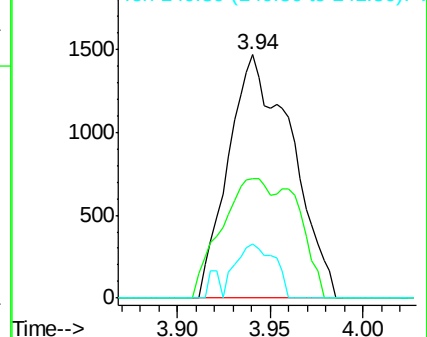
141 13.5 11.2 16.8

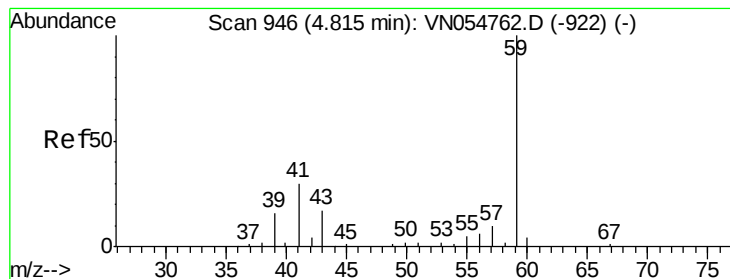


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.165 ug/l

RT: 4.82 min Scan# 946

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

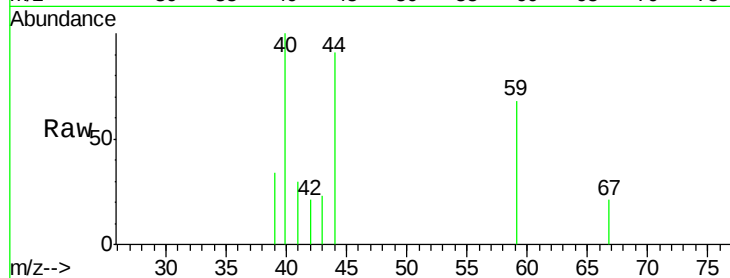
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 59 Resp: 877

Ion Ratio Lower Upper

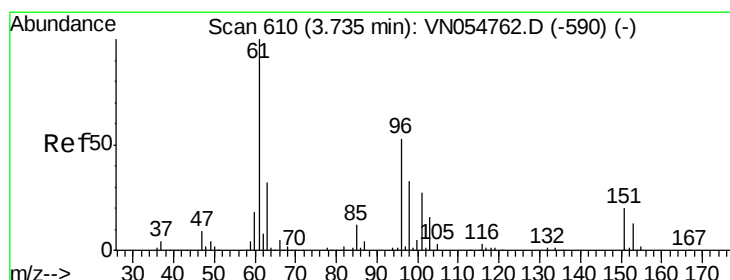
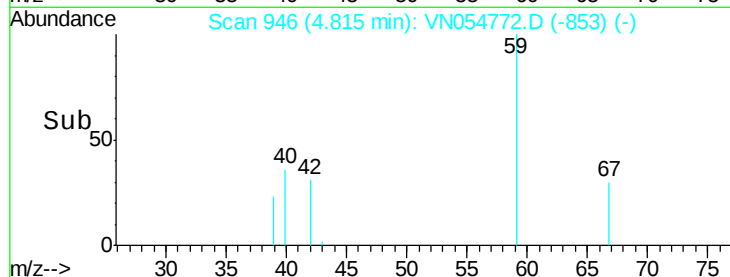
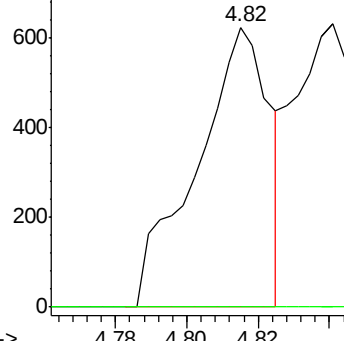
59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 1.195 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

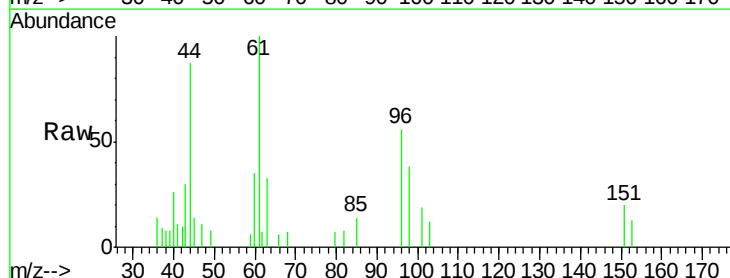
Tgt Ion: 96 Resp: 3705

Ion Ratio Lower Upper

96 100

61 179.1 116.5 174.7#

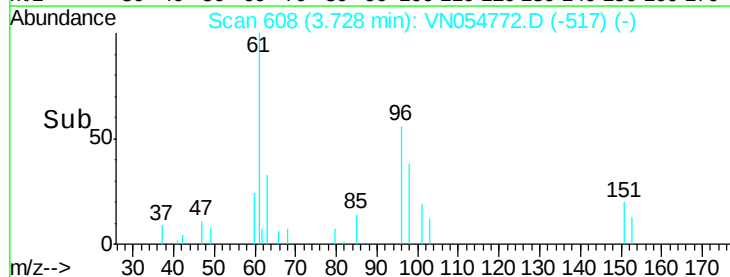
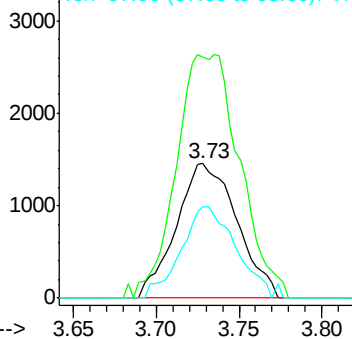
98 68.0 51.0 76.4

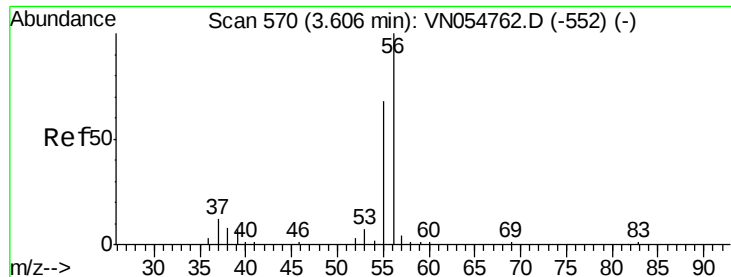


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 0.311 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

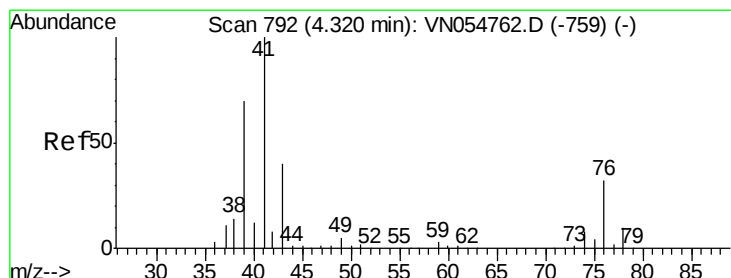
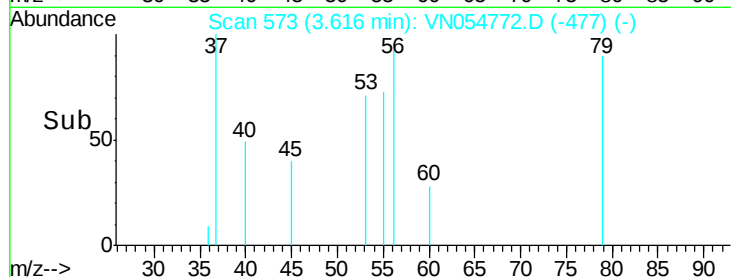
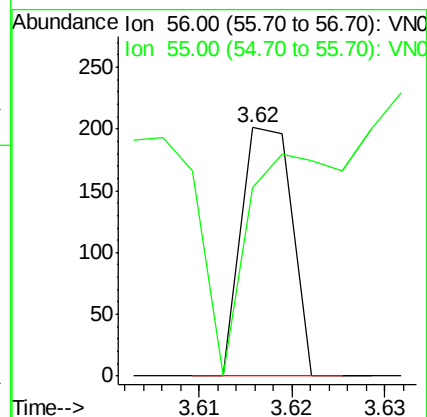
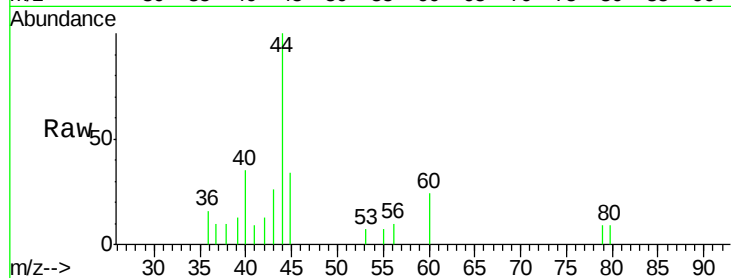
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#14

Allyl chloride

Concen: 1.161 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

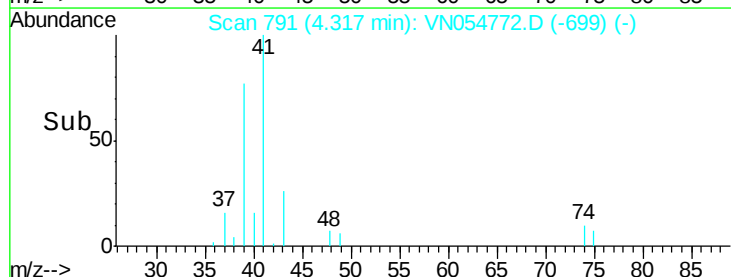
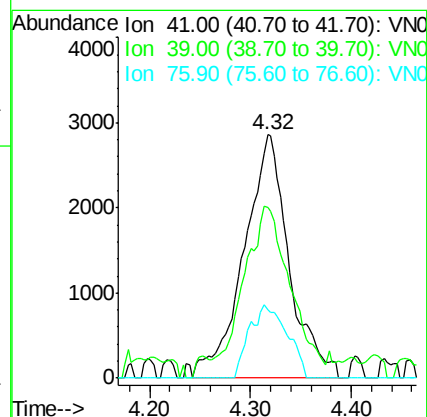
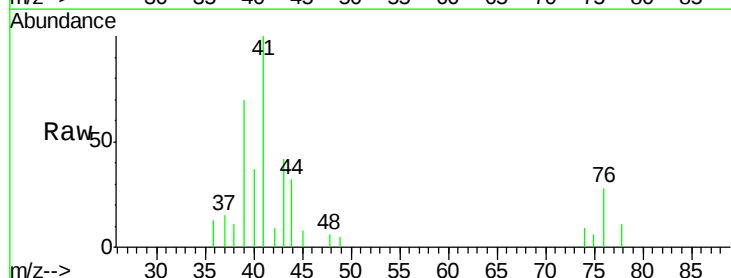
Tgt Ion: 41 Resp: 8867

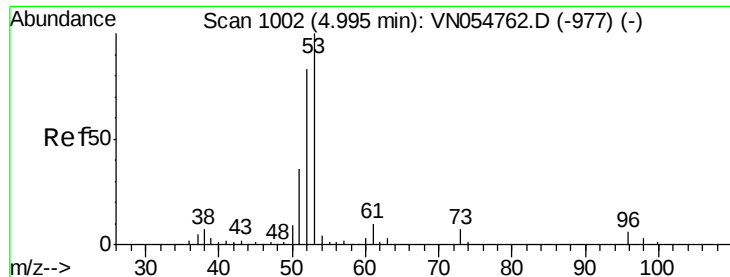
Ion Ratio Lower Upper

41 100

39 66.9 58.2 87.4

76 25.1 31.7 47.5#

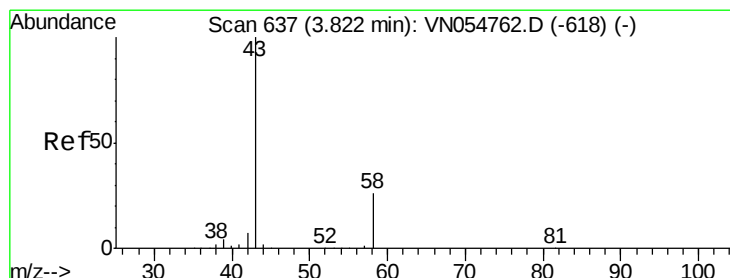
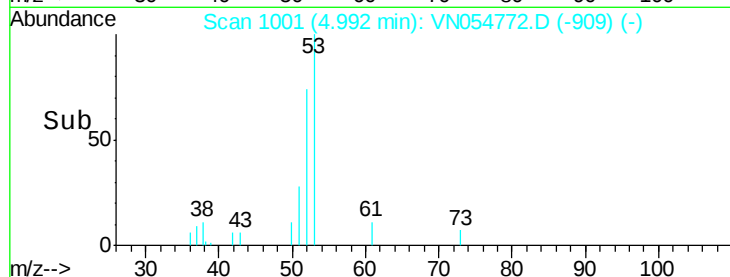
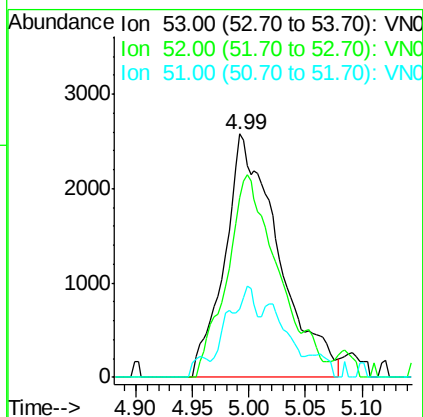
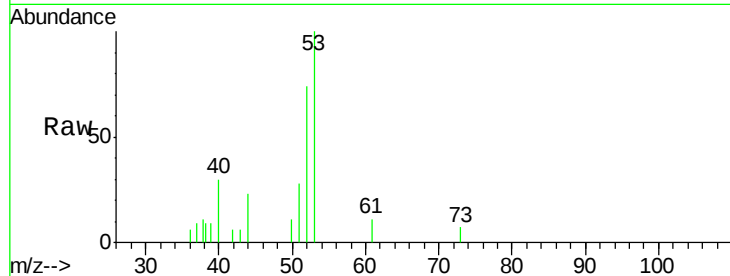




#15
 Acrylonitrile
 Concen: 5.532 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

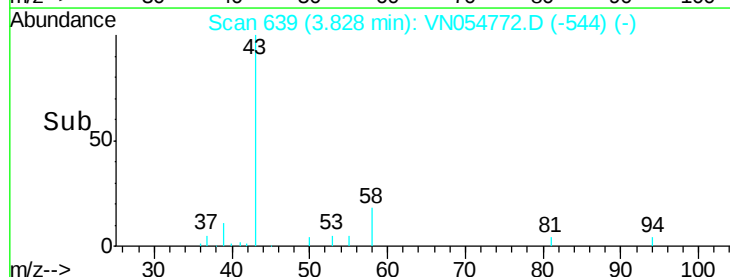
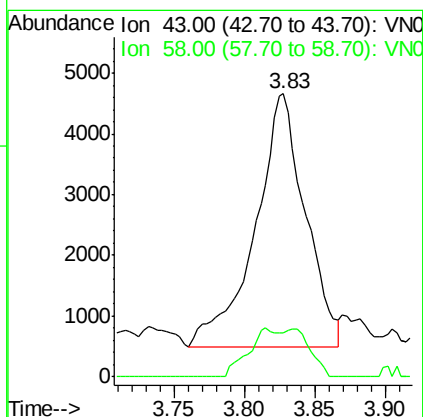
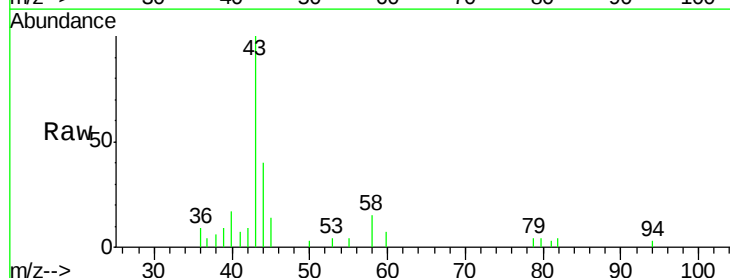
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

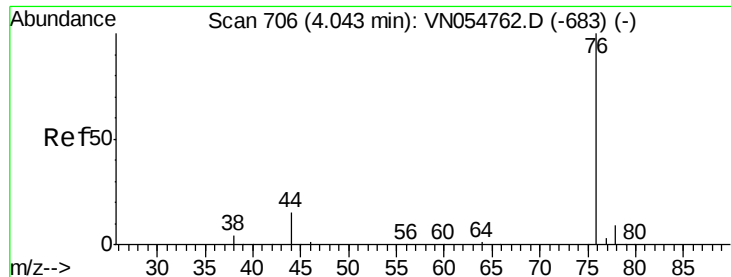
Tgt Ion: 53 Resp: 8521
 Ion Ratio Lower Upper
 53 100
 52 74.7 66.4 99.6
 51 3.6 29.6 44.4#



#16
 Acetone
 Concen: 8.181 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 43 Resp: 10376
 Ion Ratio Lower Upper
 43 100
 58 17.1 29.9 44.9#





#17

Carbon Disulfide

Concen: 1.174 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

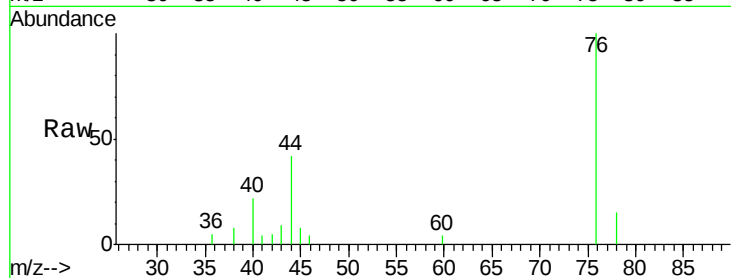
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 76 Resp: 11812

Ion Ratio Lower Upper

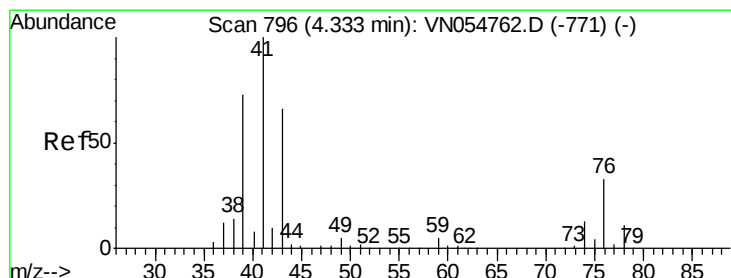
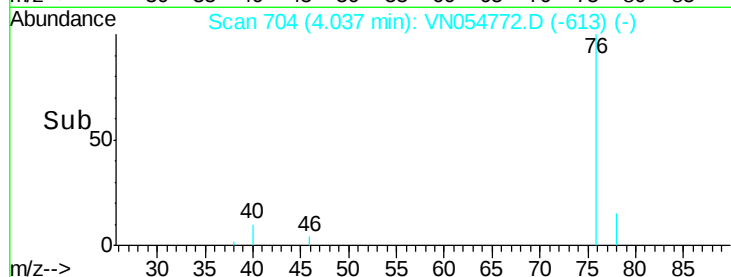
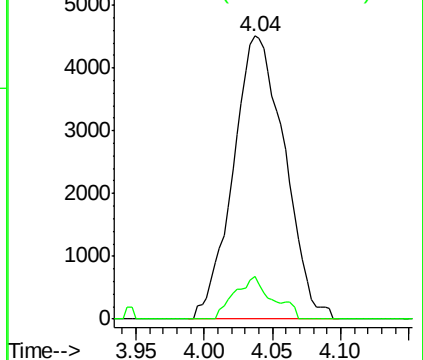
76 100

78 15.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.757 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054772.D

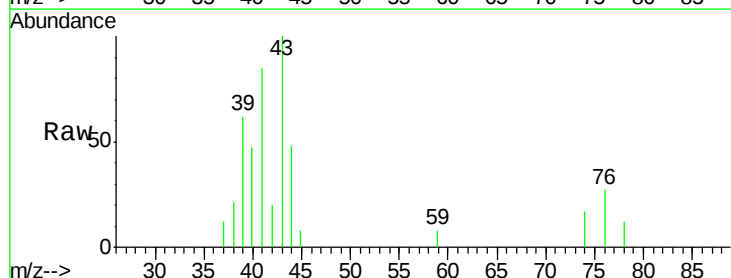
Acq: 29 Mar 2019 16:13

Tgt Ion: 43 Resp: 5490

Ion Ratio Lower Upper

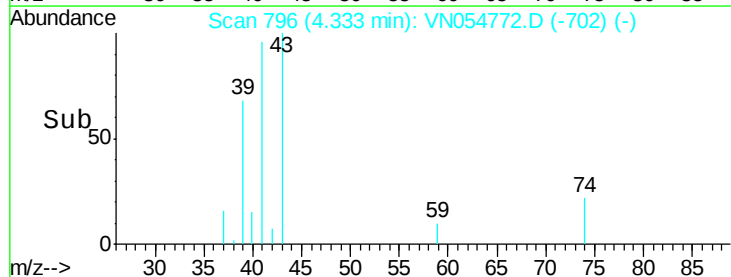
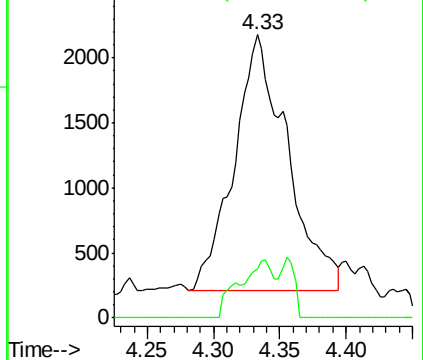
43 100

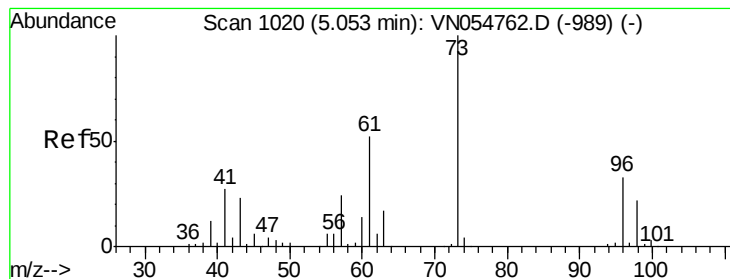
74 14.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



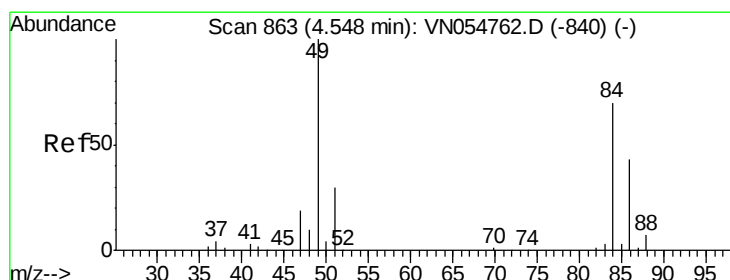
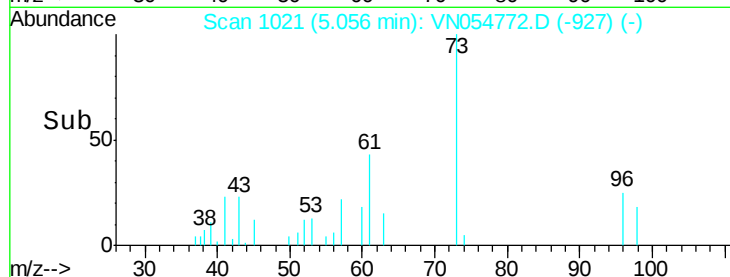
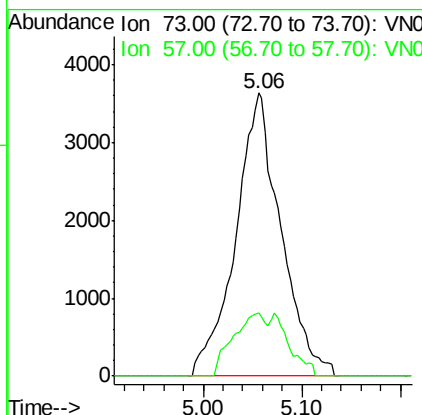
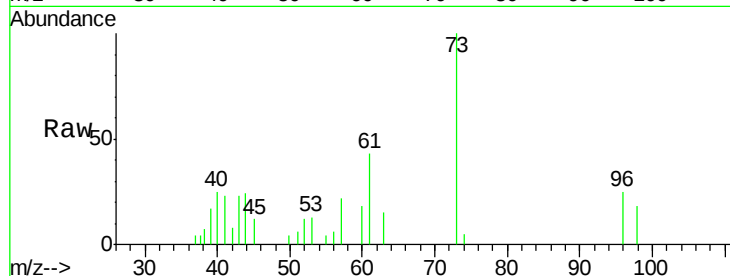


#19

Methyl tert-butyl Ether
 Concen: 1.064 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

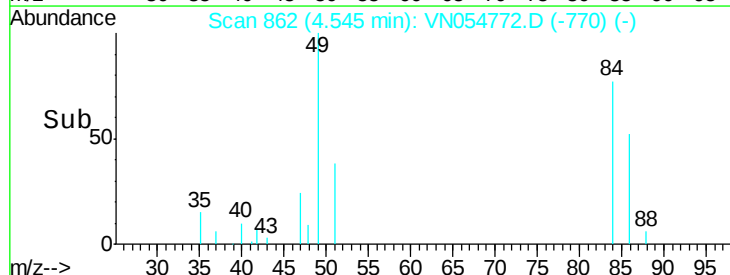
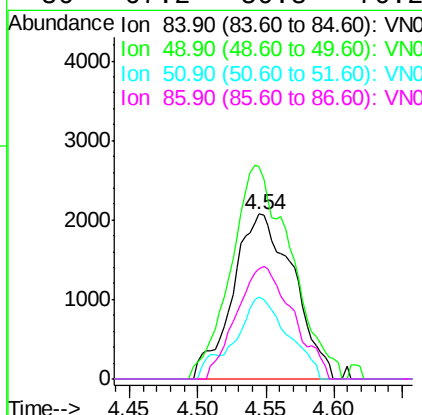
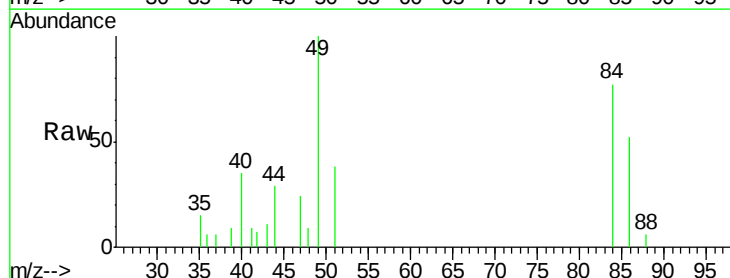
Tgt Ion: 73 Resp: 11547
 Ion Ratio Lower Upper
 73 100
 57 22.1 16.8 25.2

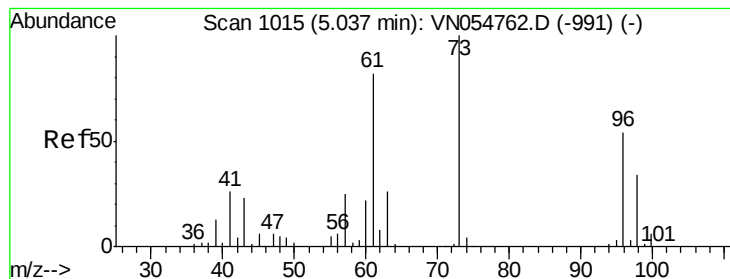


#20

Methylene Chloride
 Concen: 1.436 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 84 Resp: 6424
 Ion Ratio Lower Upper
 84 100
 49 129.3 89.7 134.5
 51 49.8 28.2 42.4#
 86 67.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 0.594 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

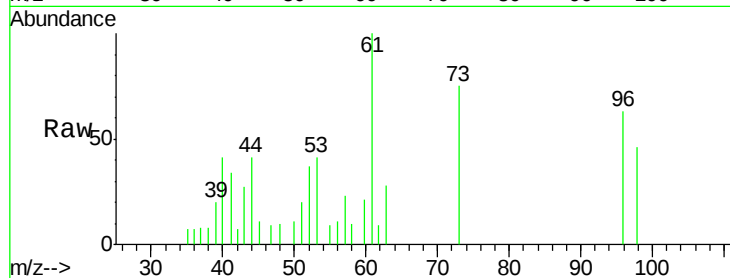
Tgt Ion: 96 Resp: 2421

Ion Ratio Lower Upper

96 100

61 143.0 102.8 154.2

98 73.2 50.0 75.0

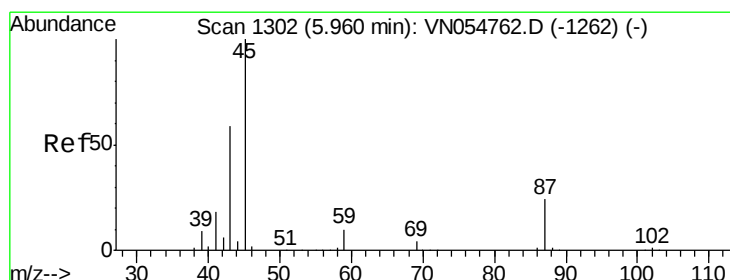
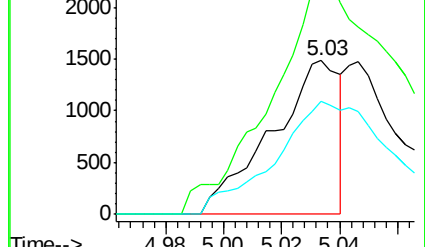
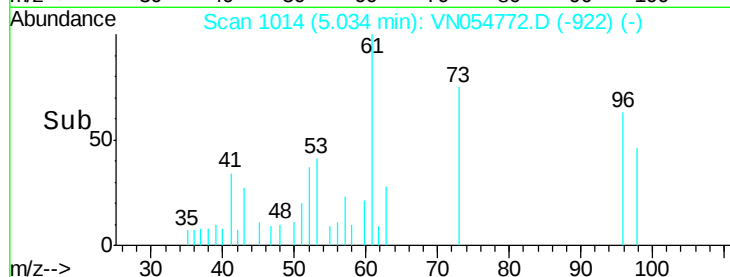


Abundance Ion 95.90 (95.60 to 96.60): VN054772.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN054772.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN054772.D (-1209) (-)

Time-->



#22

Diisopropyl ether

Concen: 0.465 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Tgt Ion: 45 Resp: 7025

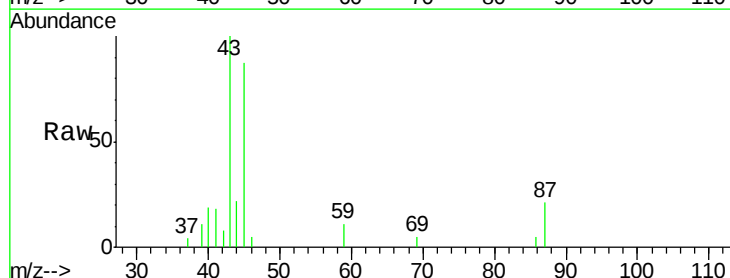
Ion Ratio Lower Upper

45 100

43 41.7 48.2 72.2#

87 24.2 24.9 37.3#

59 12.9 9.5 14.3



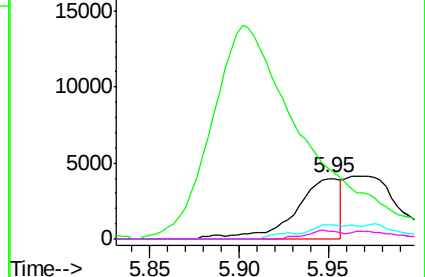
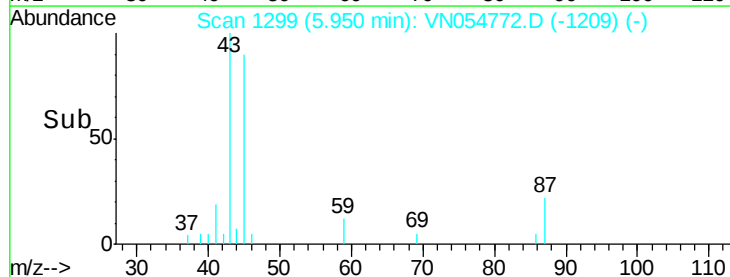
Abundance Ion 45.00 (44.70 to 45.70): VN054772.D (-1209) (-)

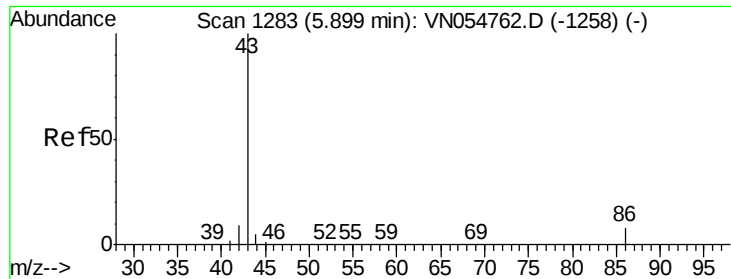
Ion 43.00 (42.70 to 43.70): VN054772.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN054772.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN054772.D (-1209) (-)

Time-->

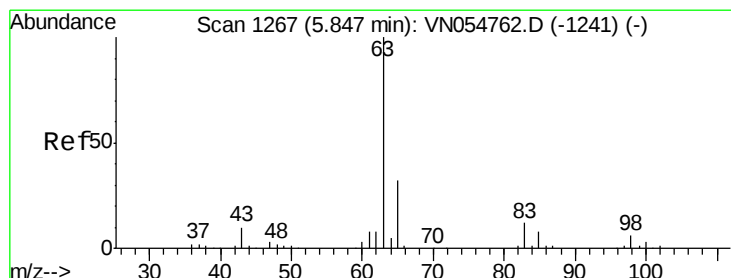
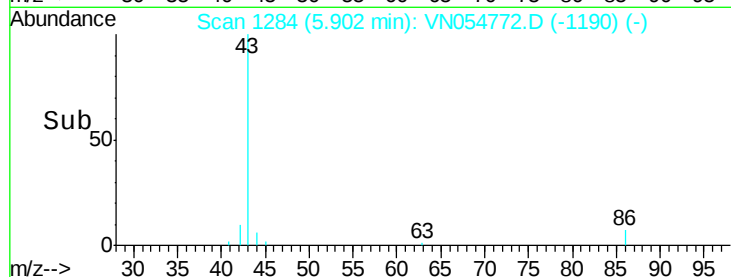
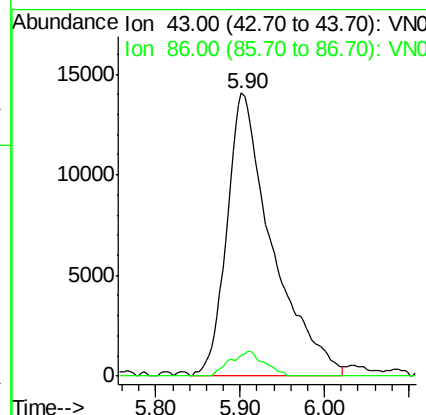
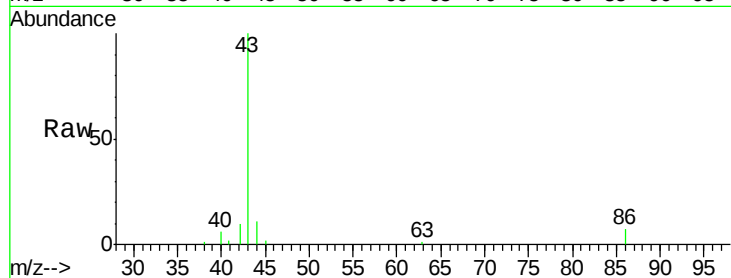




#23
 Vinyl Acetate
 Concen: 4.985 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

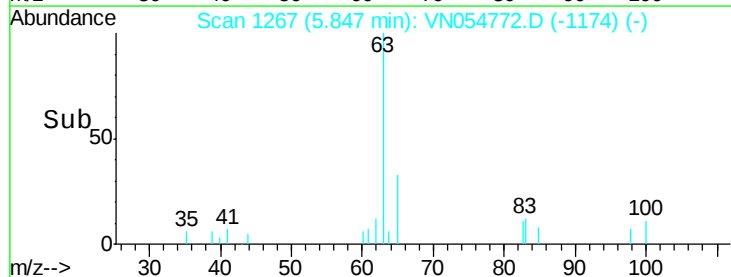
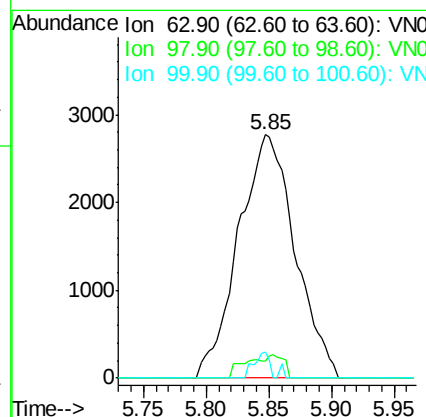
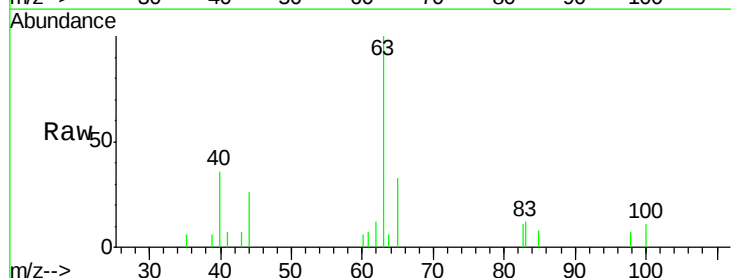
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

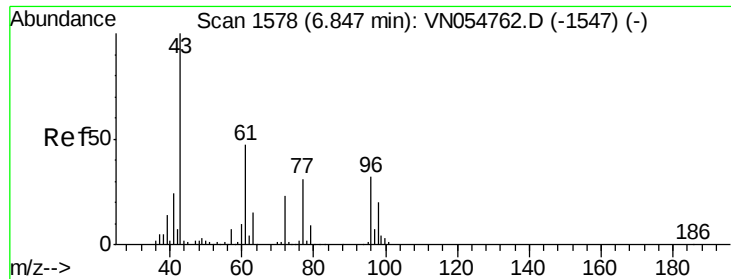
Tgt Ion: 43 Resp: 52418
 Ion Ratio Lower Upper
 43 100
 86 7.2 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 1.078 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 63 Resp: 8686
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 10.7 2.0 6.0#





#25

2-Butanone

Concen: 5.847 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

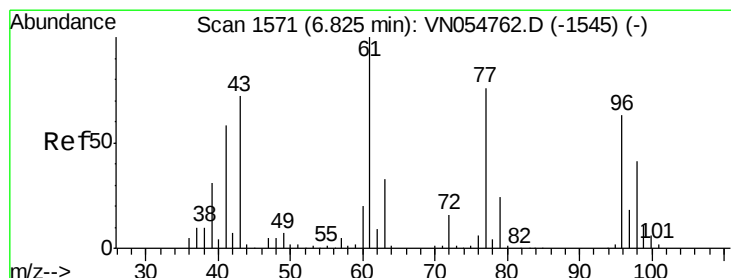
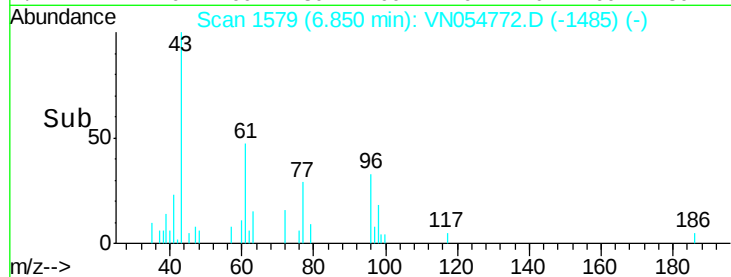
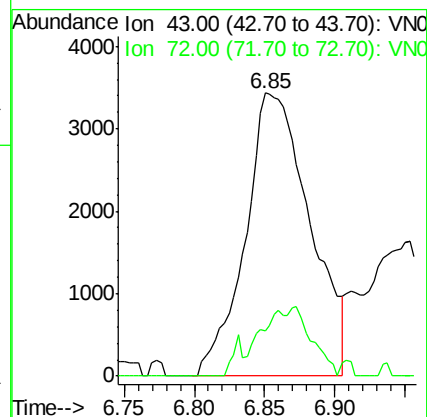
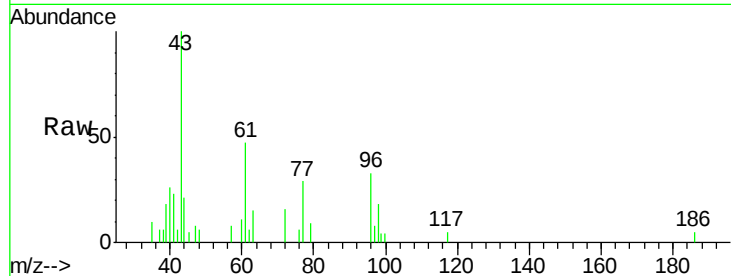
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 43 Resp: 10962

Ion Ratio Lower Upper

43 100

72 16.0 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 1.013 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054772.D

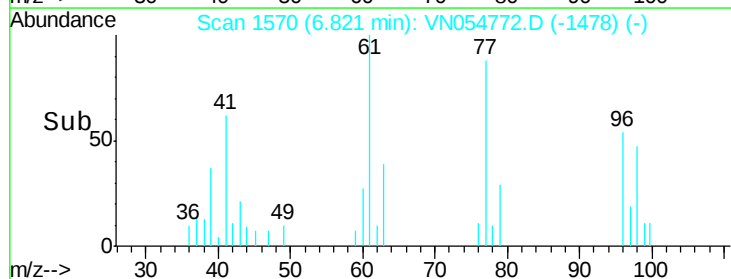
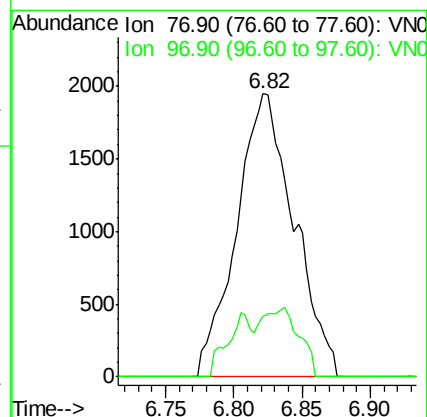
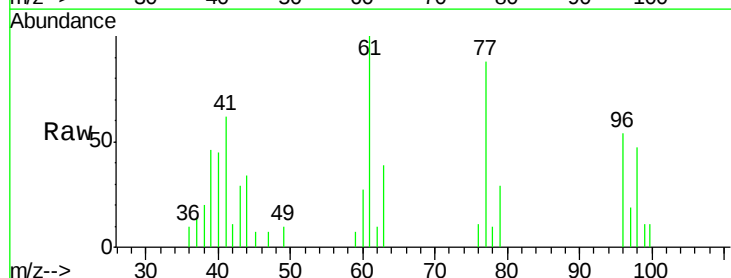
Acq: 29 Mar 2019 16:13

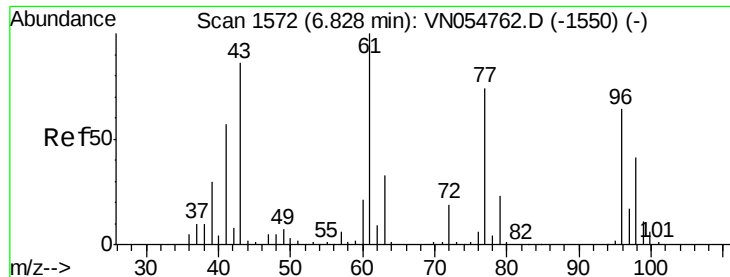
Tgt Ion: 77 Resp: 5721

Ion Ratio Lower Upper

77 100

97 16.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 0.979 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

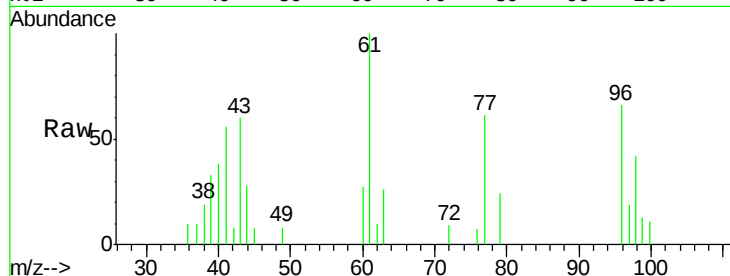
Tgt Ion: 96 Resp: 4503

Ion Ratio Lower Upper

96 100

61 168.2 0.0 273.0

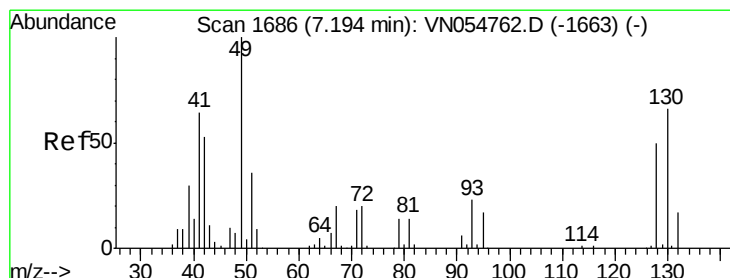
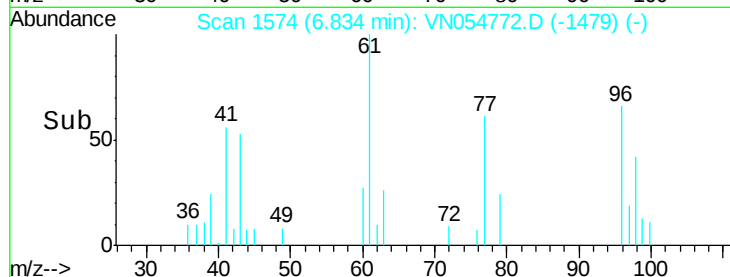
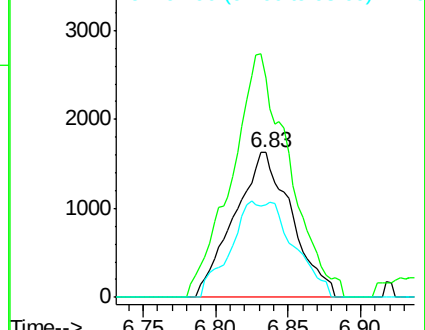
98 35.7 0.0 130.6



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: 1.130 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

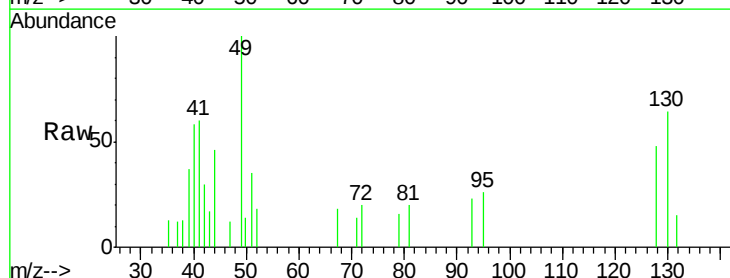
Tgt Ion: 49 Resp: 4555

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

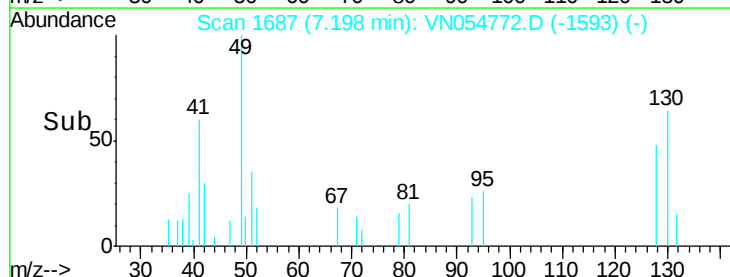
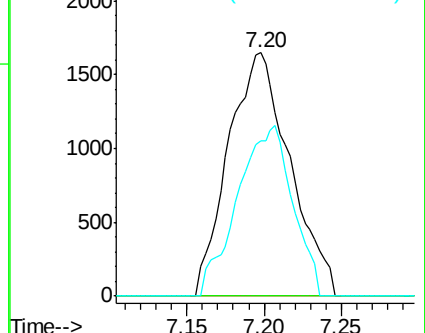
130 62.7 76.7 115.1#

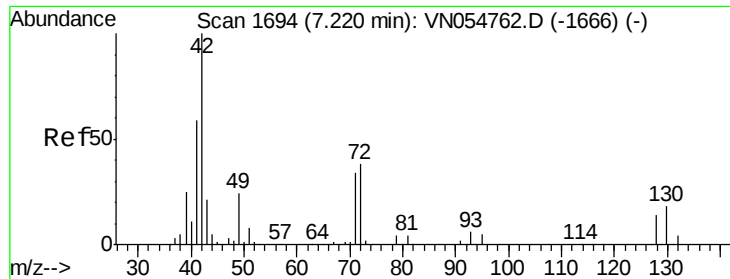


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

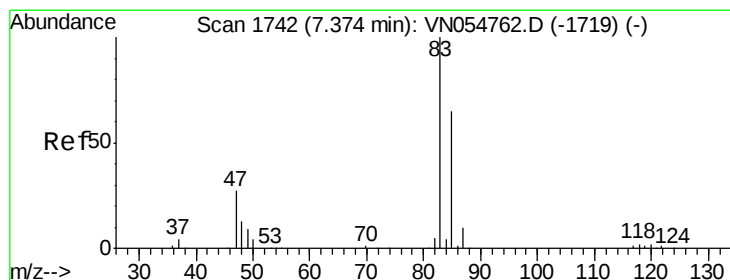
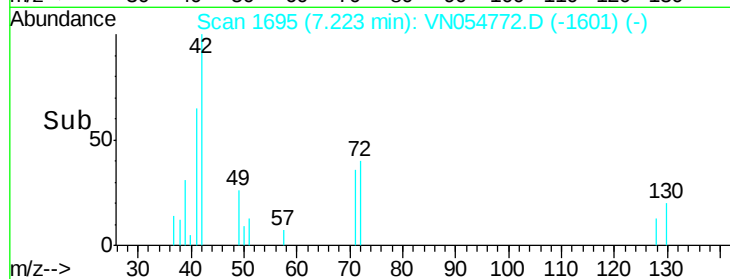
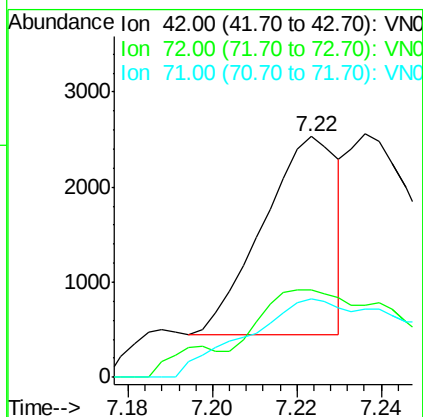
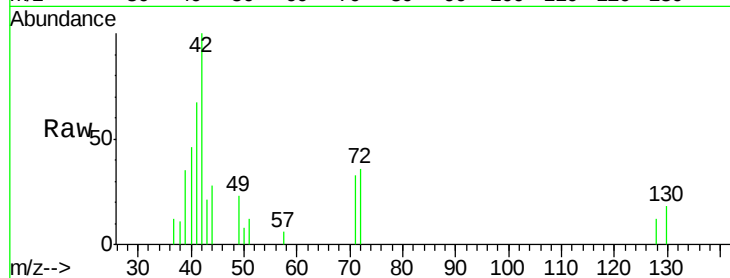




#29
Tetrahydrofuran
Concen: 1.969 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

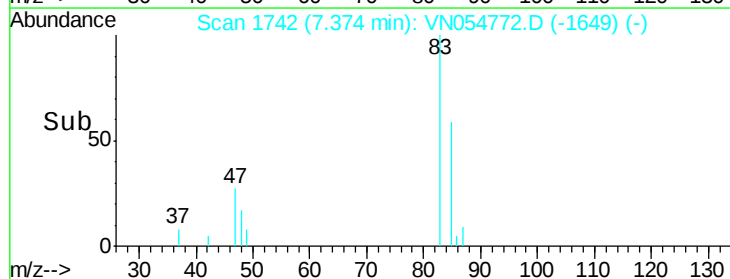
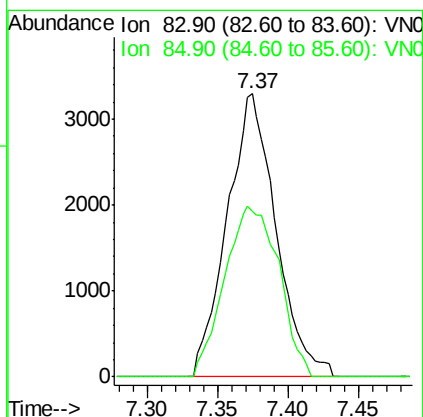
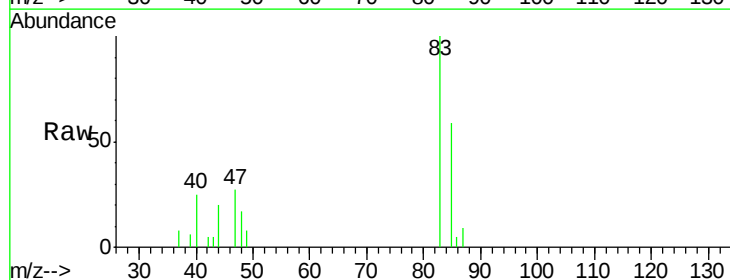
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

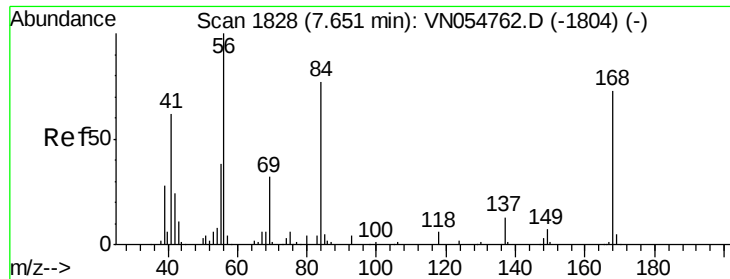
Tgt Ion: 42 Resp: 2564
Ion Ratio Lower Upper
42 100
72 93.7 37.8 56.6#
71 92.0 36.2 54.2#



#30
Chloroform
Concen: 1.039 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 83 Resp: 7983
Ion Ratio Lower Upper
83 100
85 58.5 52.2 78.4

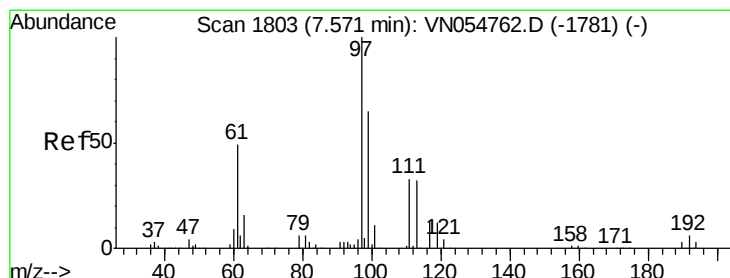
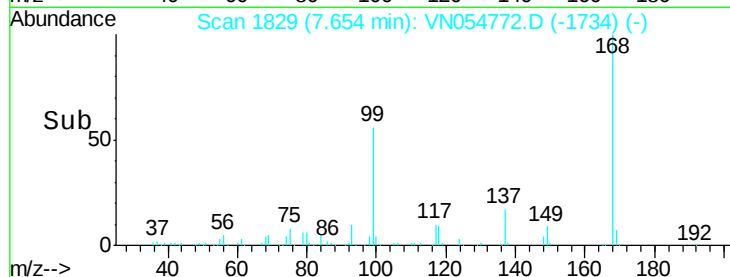
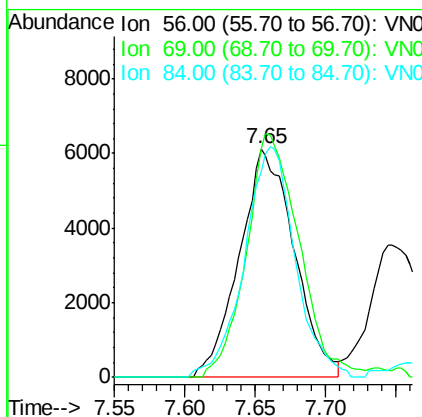
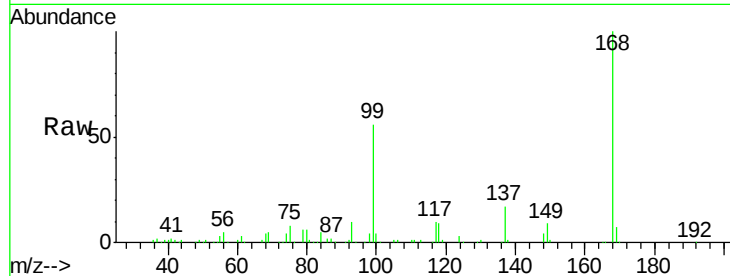




#31
Cyclohexane
Concen: 0.211 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

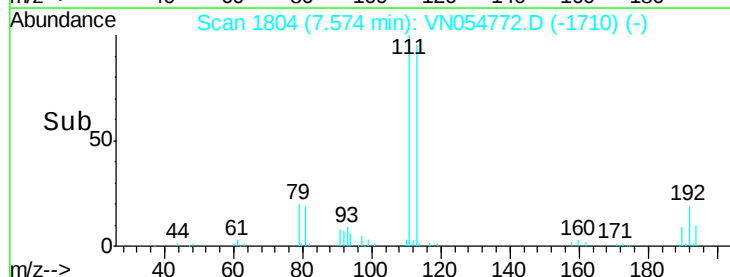
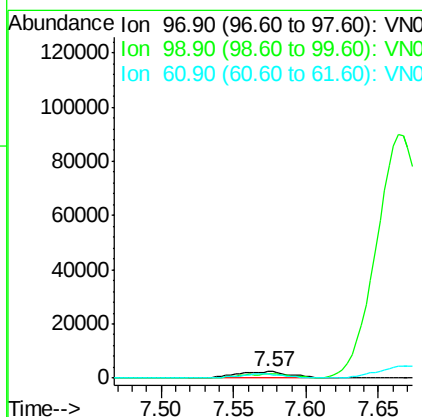
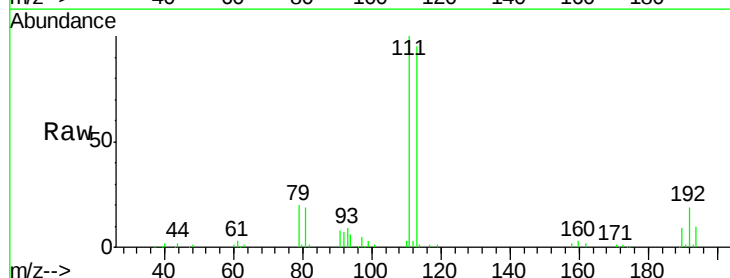
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

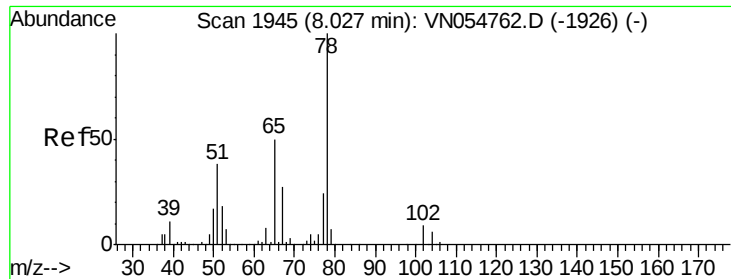
Tgt Ion: 56 Resp: 16618
Ion Ratio Lower Upper
56 100
69 100.5 27.8 41.6#
84 90.2 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 0.982 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 97 Resp: 6254
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 58.5 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 53.946 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

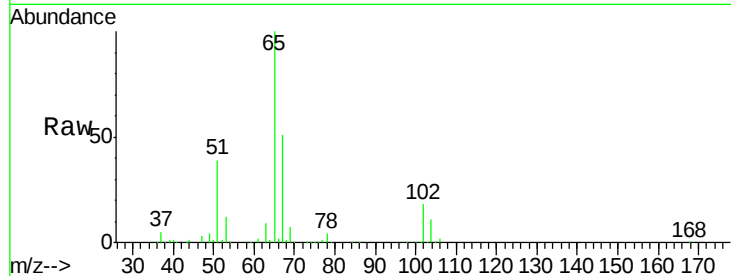
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 65 Resp: 286917

Ion Ratio Lower Upper

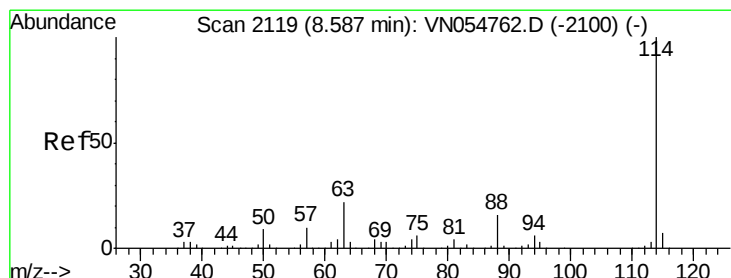
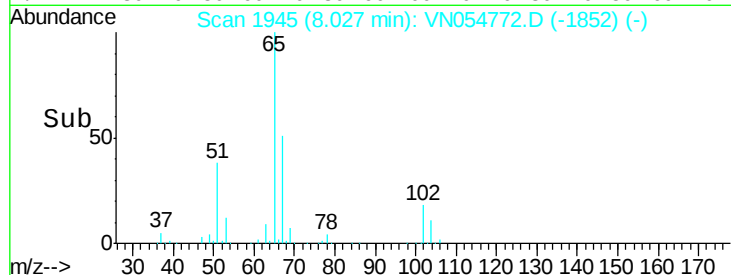
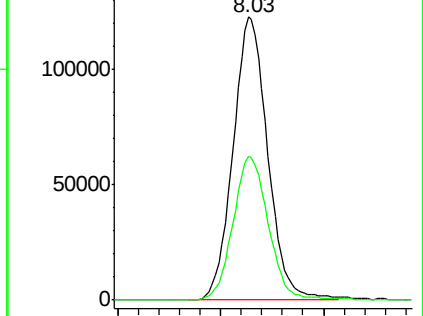
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054772.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054772.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

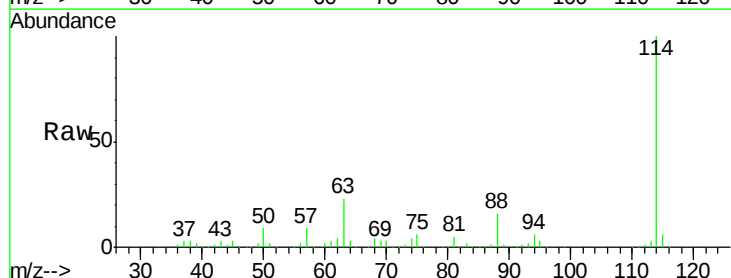
Tgt Ion: 114 Resp: 675761

Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.2

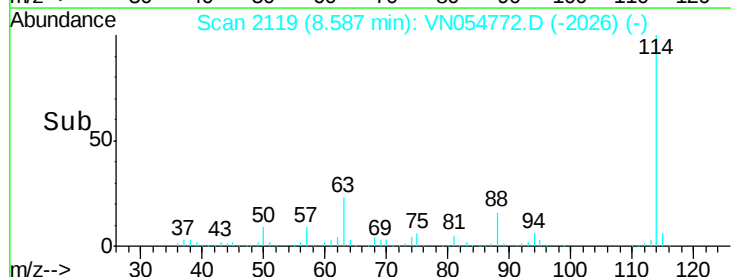
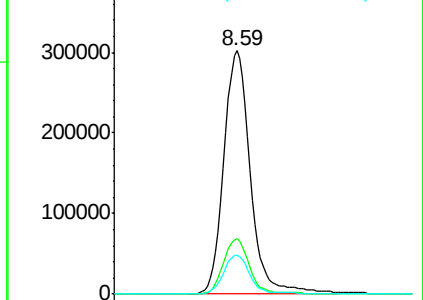
88 15.9 0.0 30.2

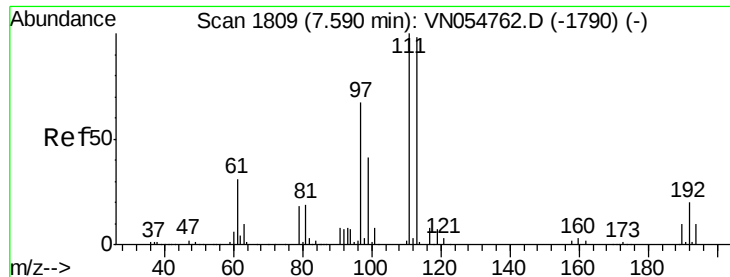


Abundance Ion 113.90 (113.60 to 114.60): VN054772.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054772.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054772.D (-2026) (-)

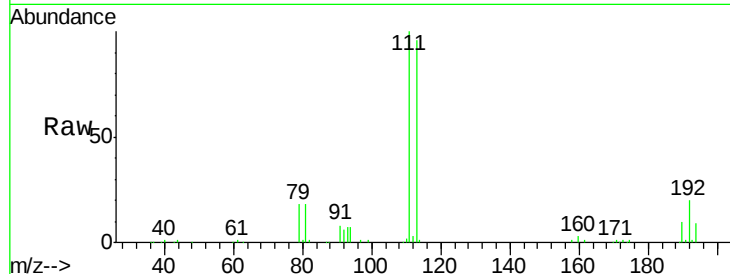




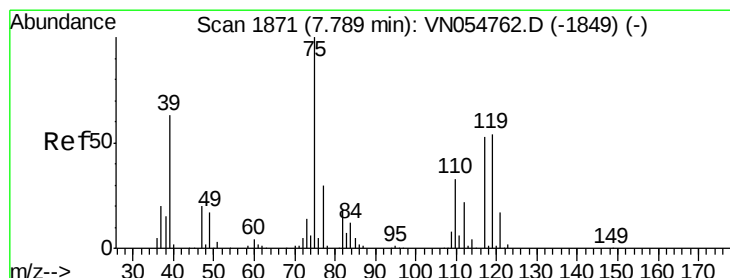
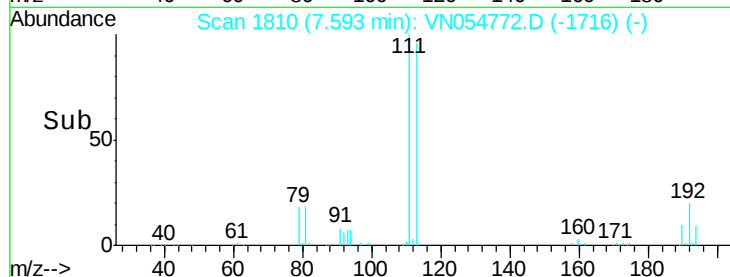
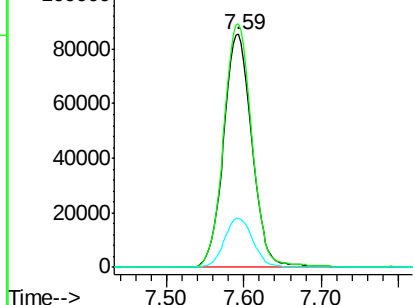
#35
 Dibromofluoromethane
 Concen: 48.130 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	21.3	19.2	28.8

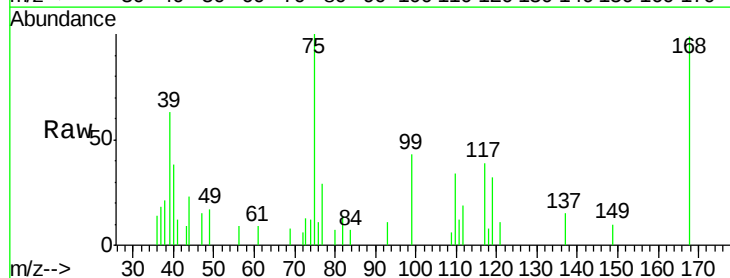


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

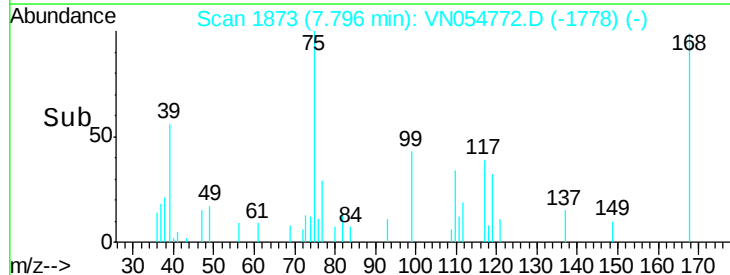
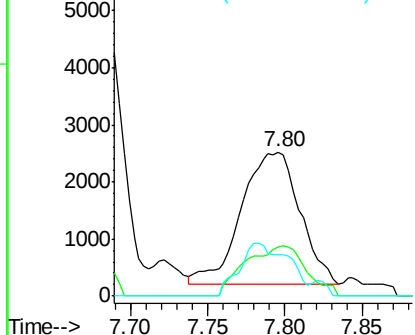


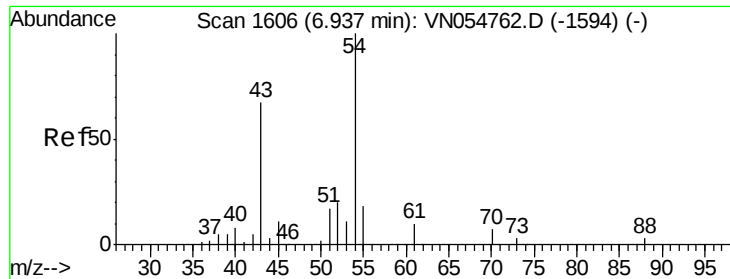
#36
 1,1-Dichloropropene
 Concen: 0.964 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.1	57.5
77	33.5	25.0	37.4



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

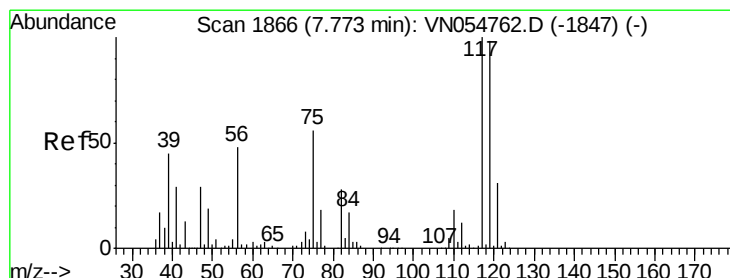
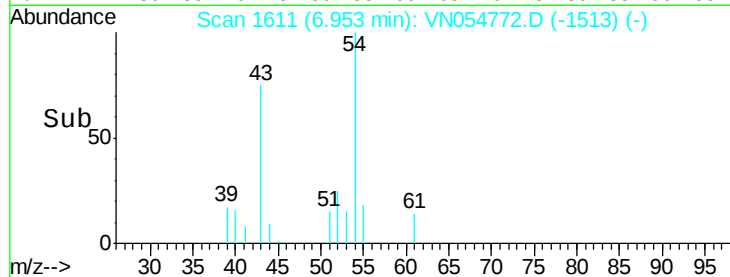
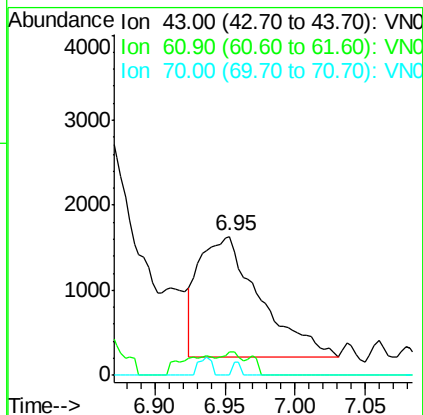
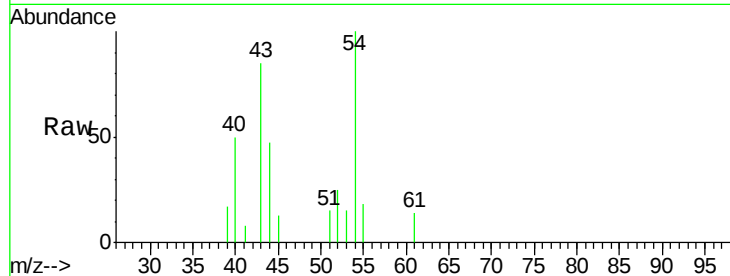




#37
 Ethyl Acetate
 Concen: 0.919 ug/l
 RT: 6.95 min Scan# 1611
 Delta R.T. 0.02 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

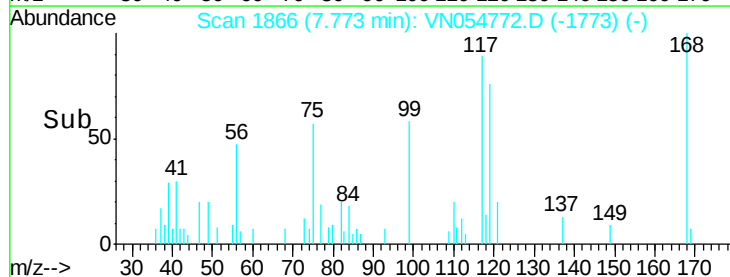
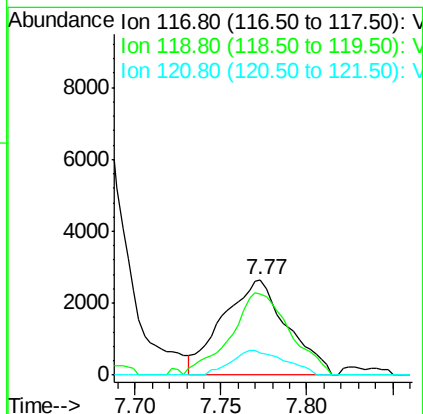
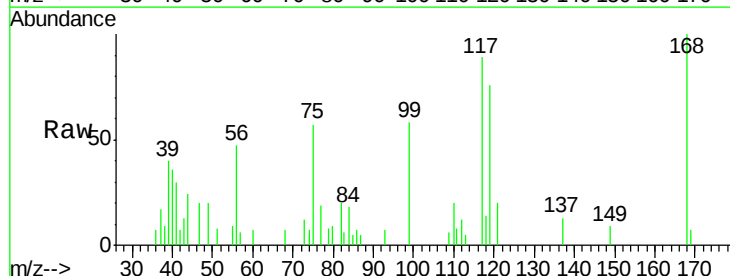
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

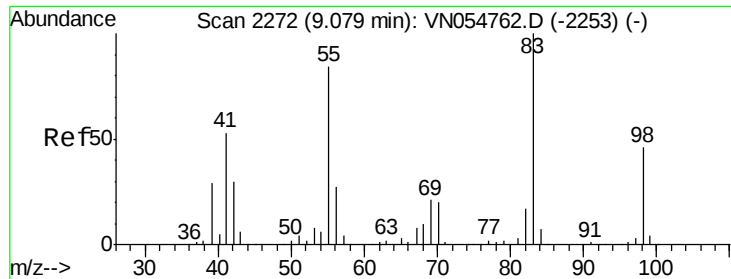
Tgt Ion: 43 Resp: 4243
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 1.4 8.4 12.6#



#38
 Carbon Tetrachloride
 Concen: 1.126 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 117 Resp: 6889
 Ion Ratio Lower Upper
 117 100
 119 85.5 76.3 114.5
 121 23.0 24.6 36.8#

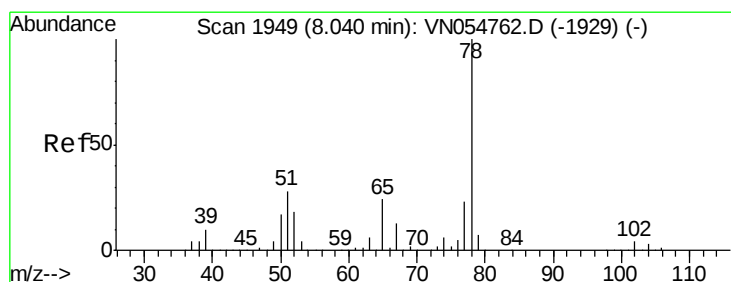
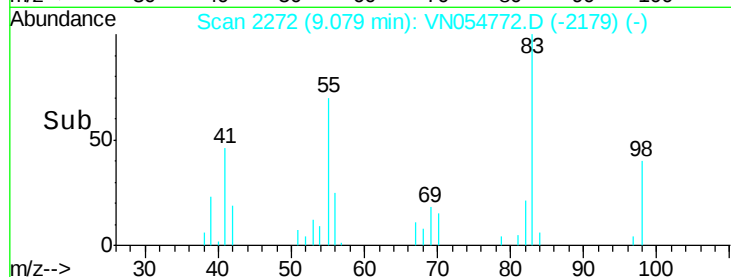
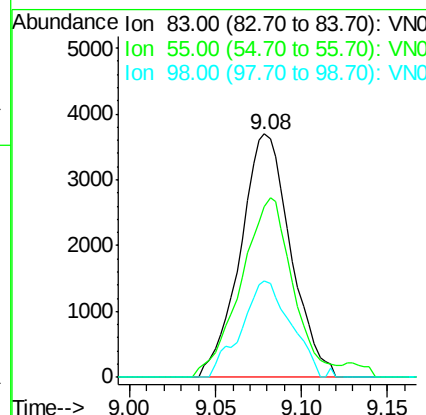
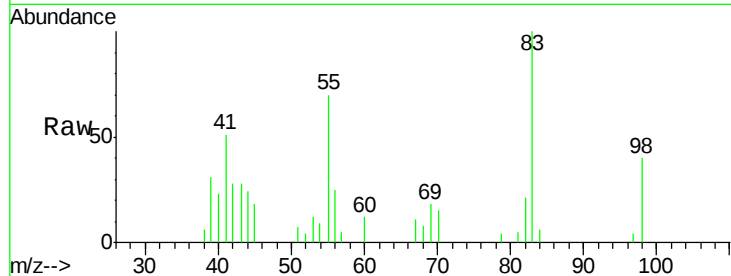




#39
Methylcyclohexane
Concen: 1.085 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

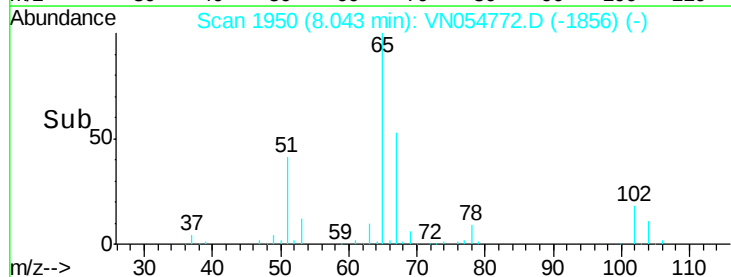
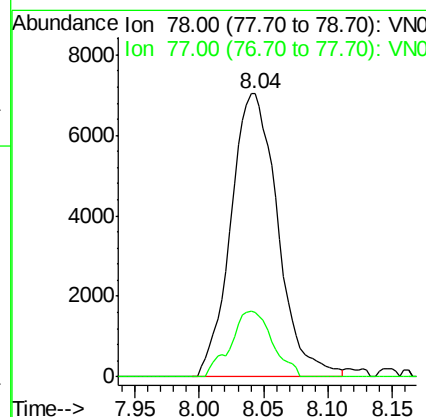
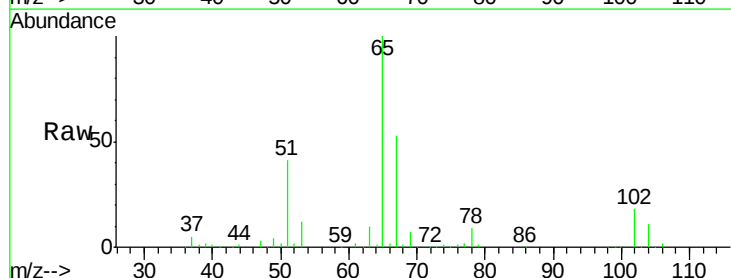
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

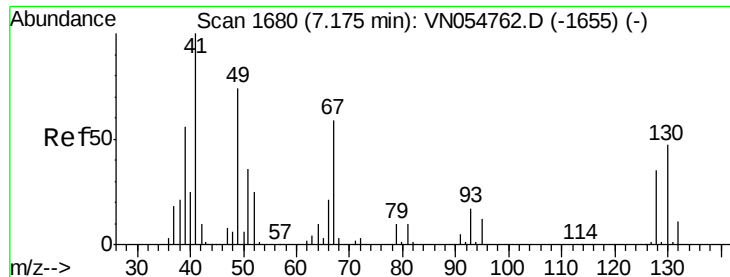
Tgt Ion: 83 Resp: 7511
Ion Ratio Lower Upper
83 100
55 69.9 56.6 84.8
98 39.8 38.4 57.6



#40
Benzene
Concen: 0.991 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 78 Resp: 17847
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7





#41

Methacrylonitrile

Concen: 0.905 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 41 Resp: 2348

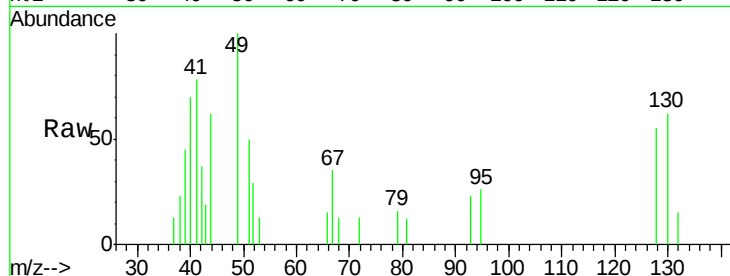
Ion Ratio Lower Upper

41 100

39 0.0 46.8 70.2#

67 28.0 67.0 100.4#

52 19.3 26.5 39.7#

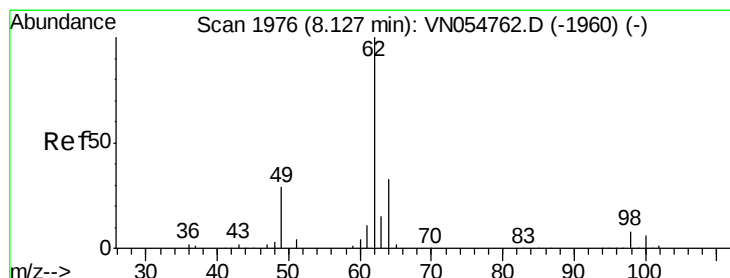
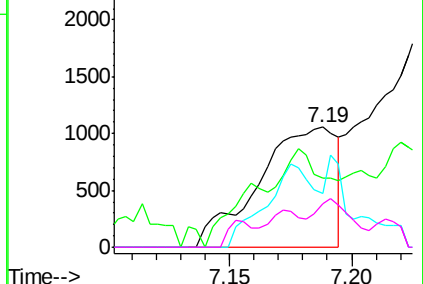
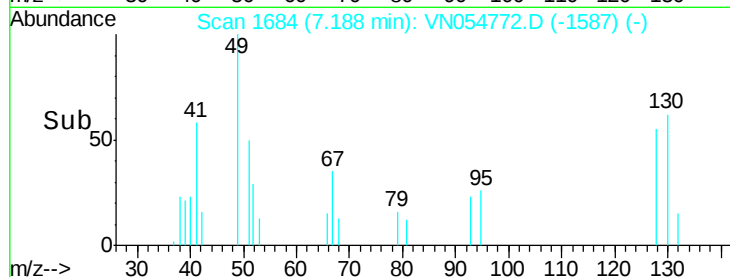


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 1.161 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN054772.D

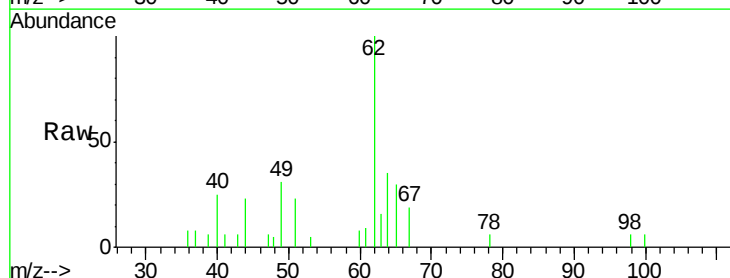
Acq: 29 Mar 2019 16:13

Tgt Ion: 62 Resp: 7467

Ion Ratio Lower Upper

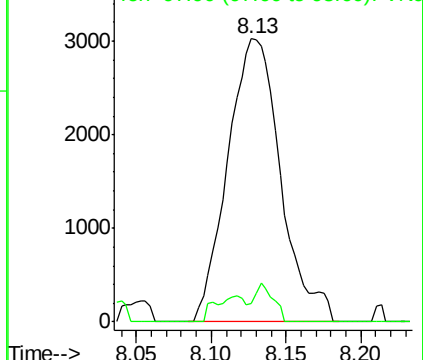
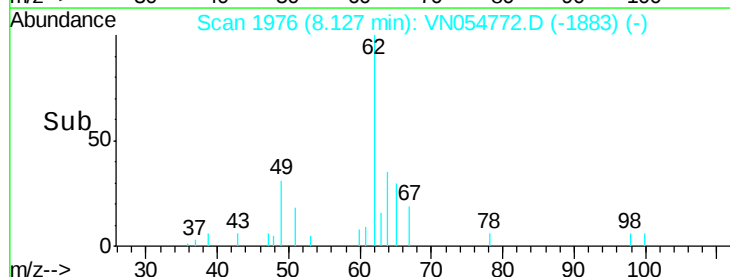
62 100

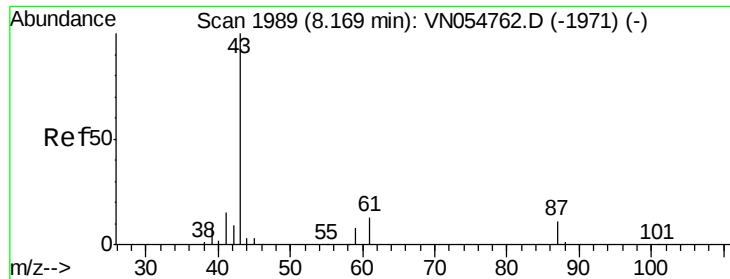
98 5.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

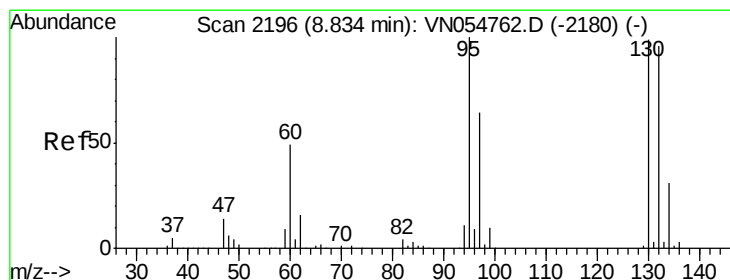
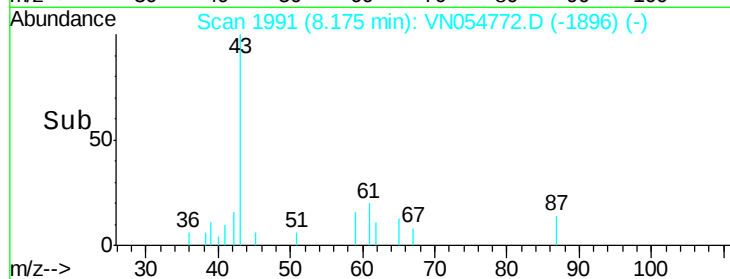
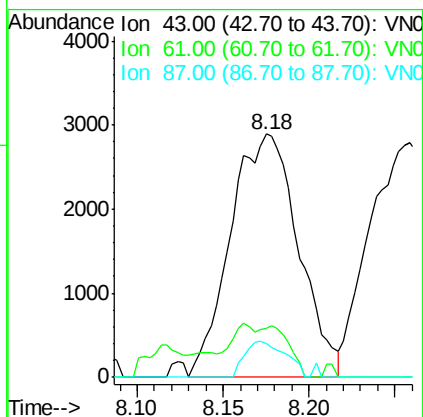
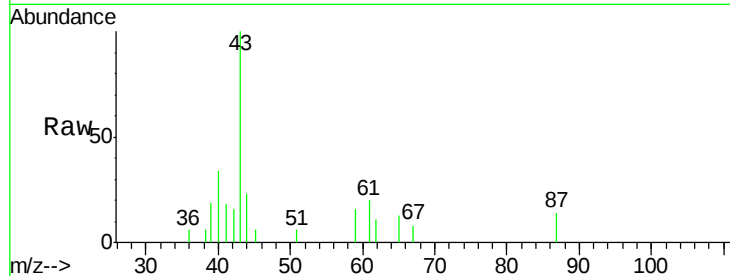




#43
Isopropyl Acetate
Concen: 1.059 ug/l
RT: 8.18 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

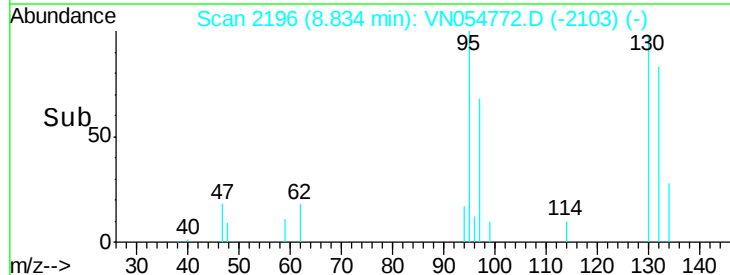
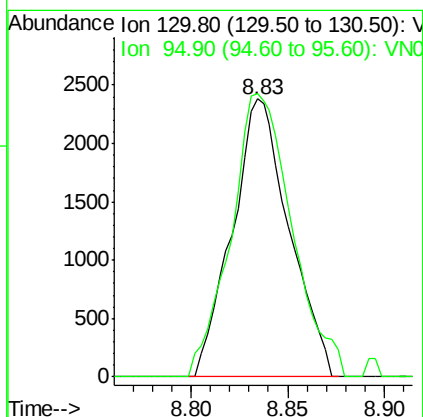
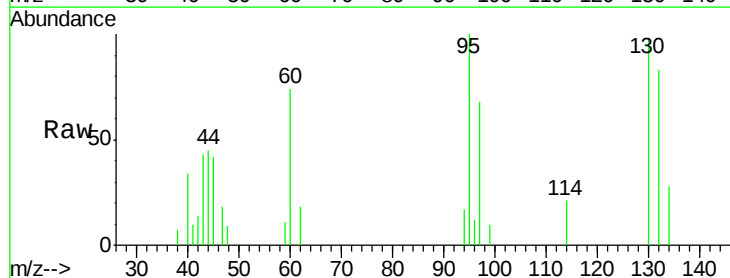
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

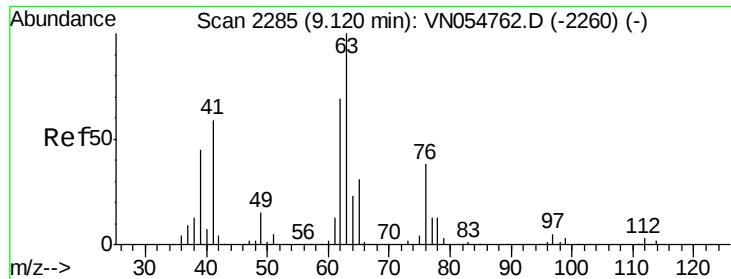
Tgt Ion: 43 Resp: 7945
Ion Ratio Lower Upper
43 100
61 3.7 15.8 23.8#
87 8.8 12.0 18.0#



#44
Trichloroethene
Concen: 1.045 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 130 Resp: 4889
Ion Ratio Lower Upper
130 100
95 101.8 0.0 185.2

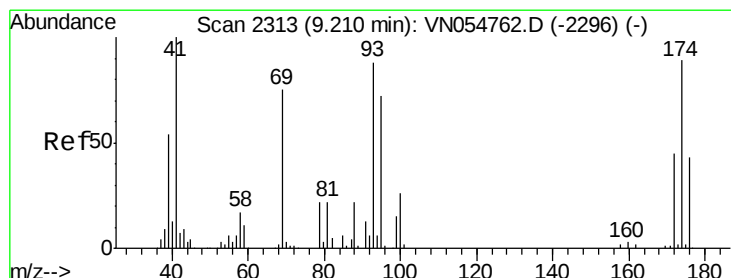
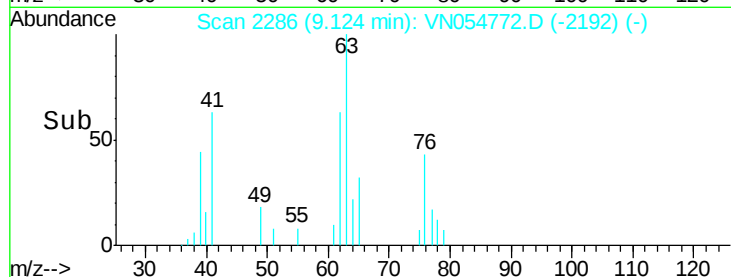
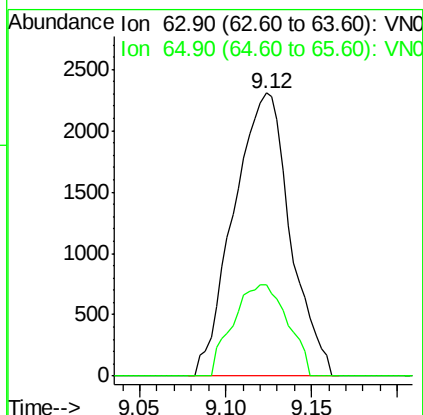
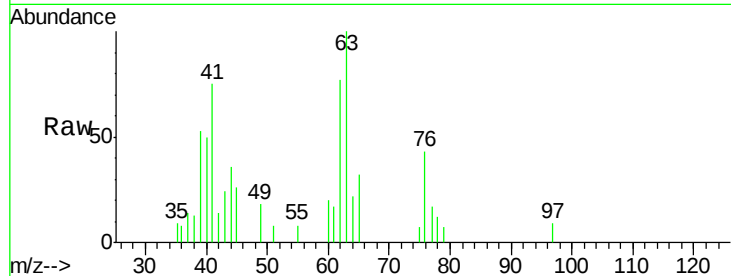




#45
 1,2-Dichloropropane
 Concen: 1.024 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

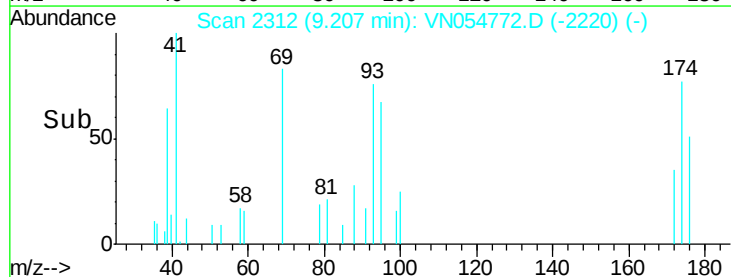
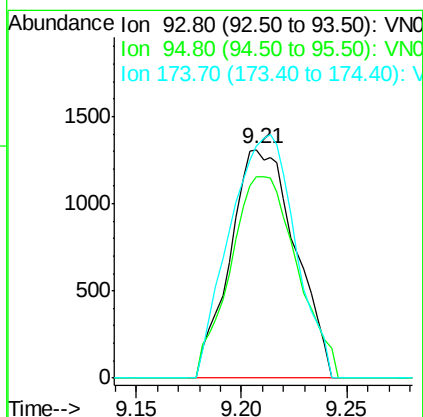
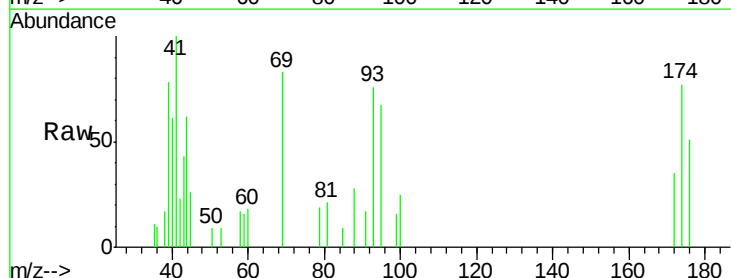
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

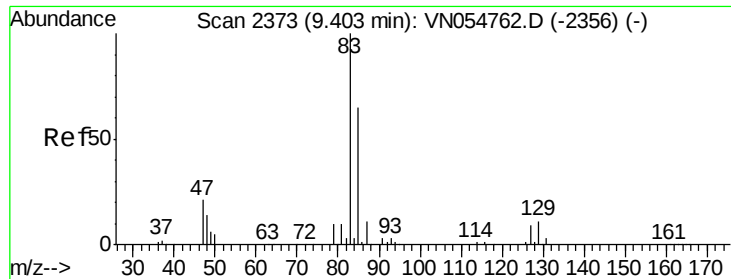
Tgt Ion: 63 Resp: 5263
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6



#46
 Dibromomethane
 Concen: 0.973 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 93 Resp: 2812
 Ion Ratio Lower Upper
 93 100
 95 90.5 66.7 100.1
 174 107.3 98.5 147.7





#47

Bromodichloromethane

Concen: 0.935 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

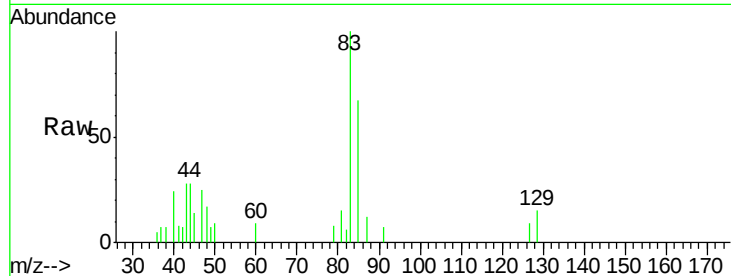
Tgt Ion: 83 Resp: 5614

Ion Ratio Lower Upper

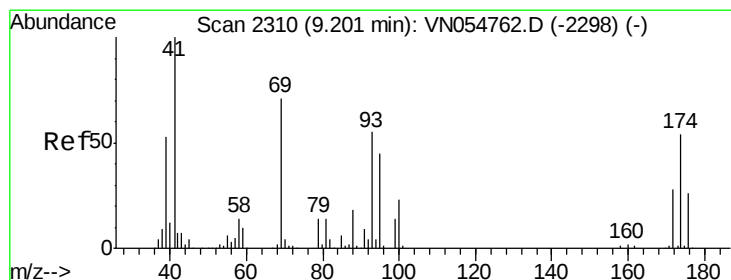
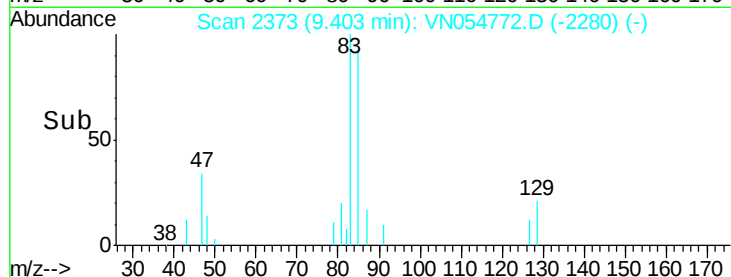
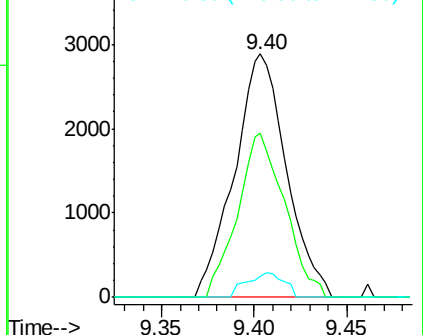
83 100

85 67.3 52.8 79.2

127 8.8 7.4 11.2



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



#48

Methyl methacrylate

Concen: 0.767 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

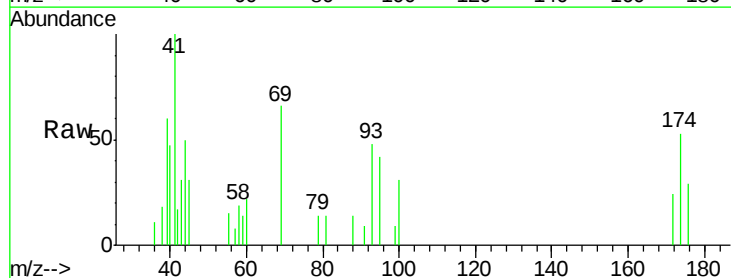
Tgt Ion: 41 Resp: 3120

Ion Ratio Lower Upper

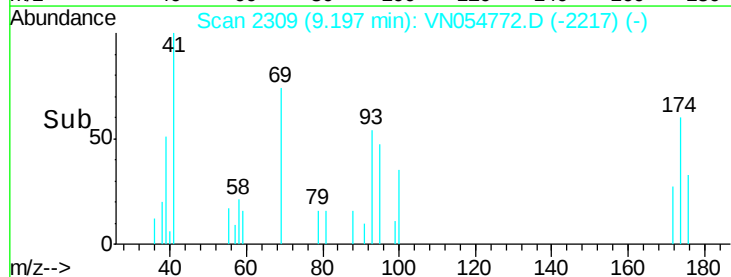
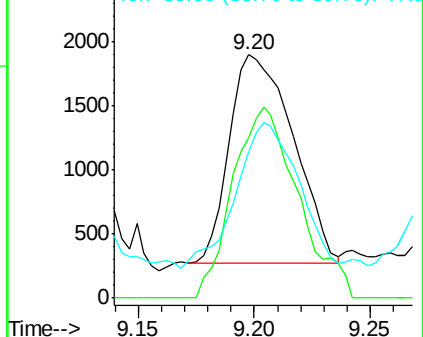
41 100

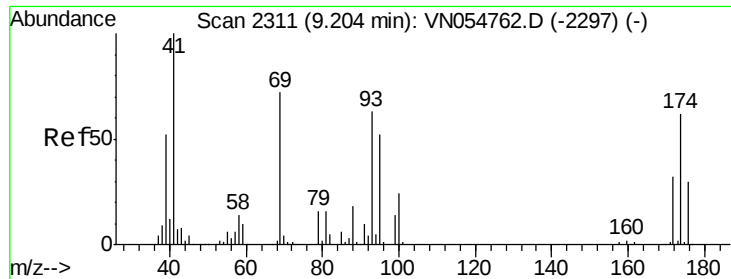
69 93.4 72.6 108.8

39 74.1 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

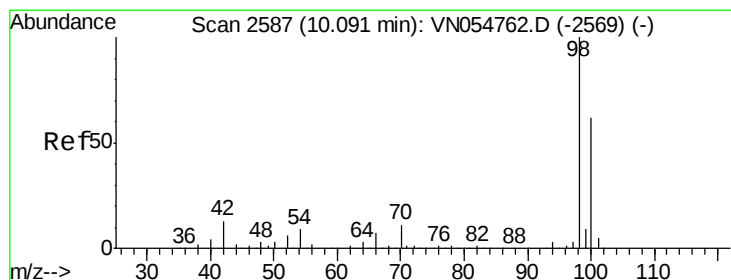
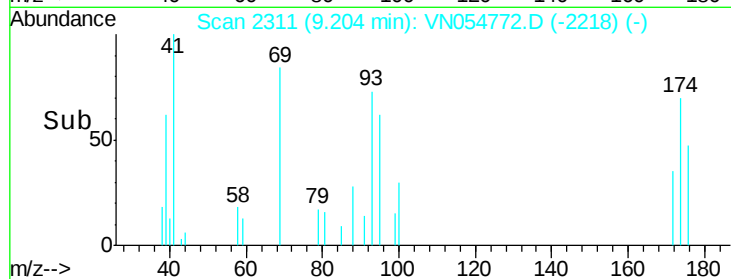
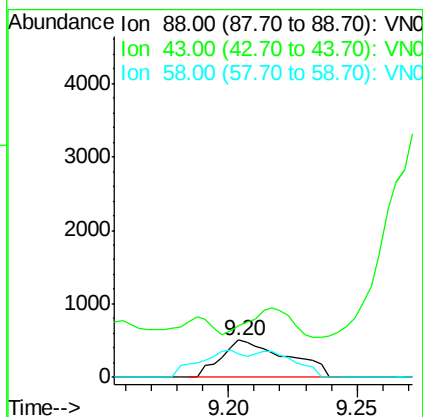
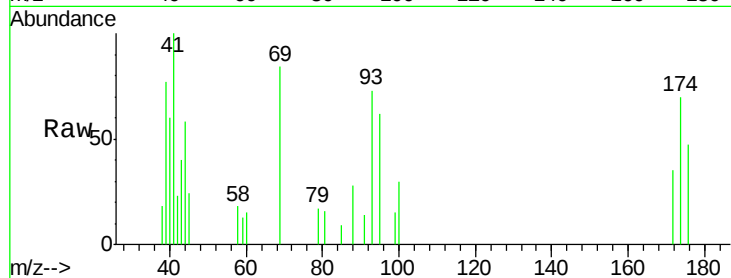




#49
 1,4-Dioxane
 Concen: 22.228 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

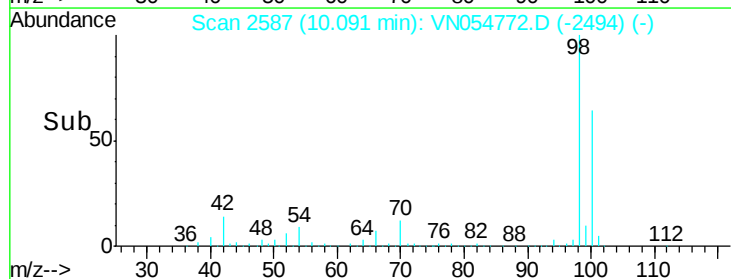
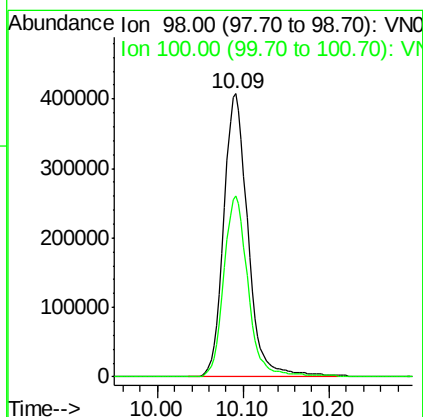
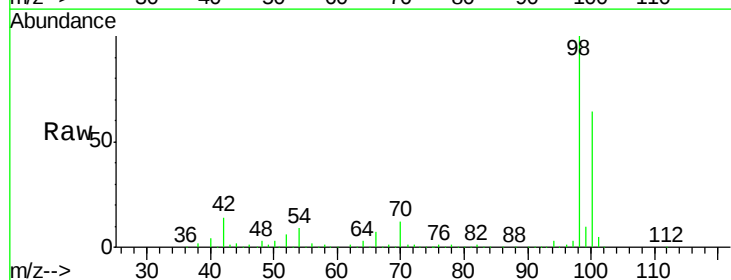
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

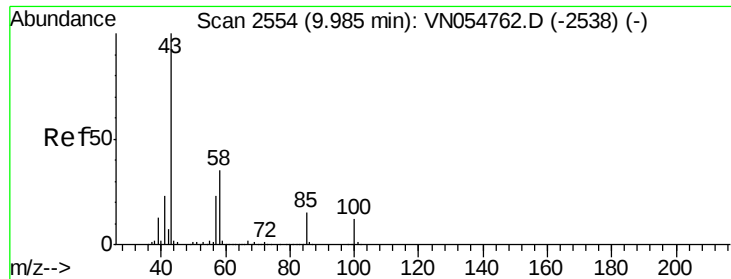
Tgt Ion: 88 Resp: 897
 Ion Ratio Lower Upper
 88 100
 43 51.3 24.1 36.1#
 58 51.4 50.8 76.2



#50
 Toluene-d8
 Concen: 47.767 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 98 Resp: 800068
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8

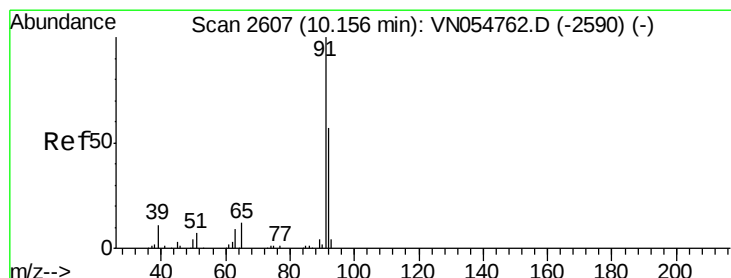
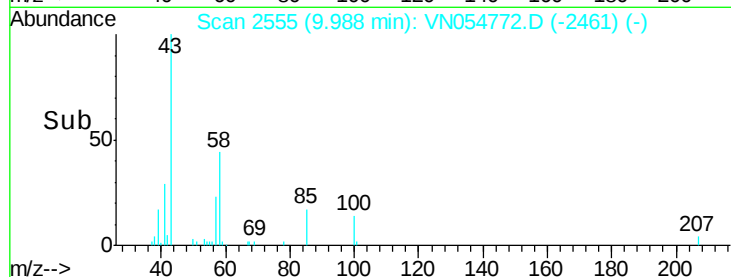
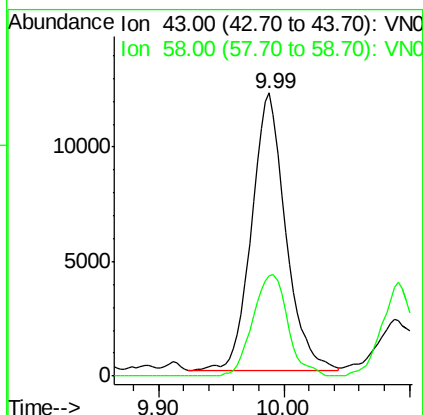
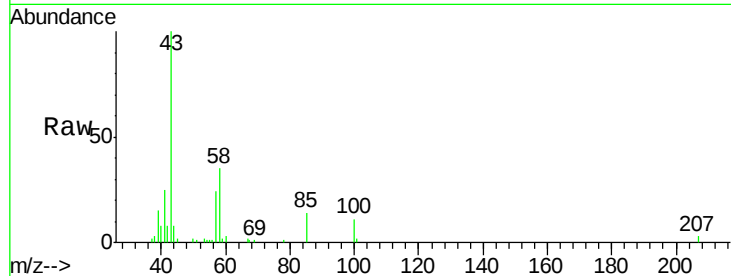




#51
 4-Methyl-2-Pentanone
 Concen: 5.412 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

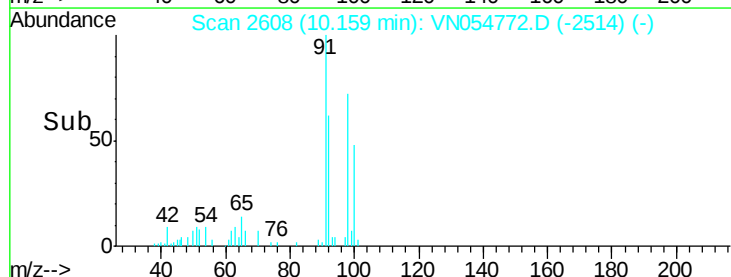
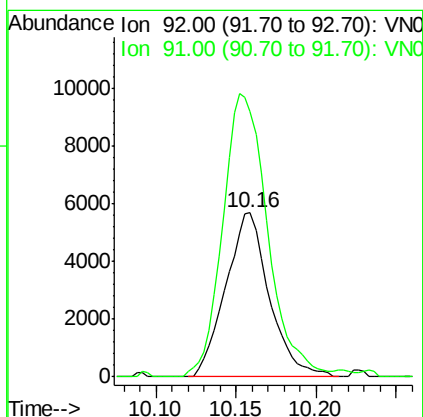
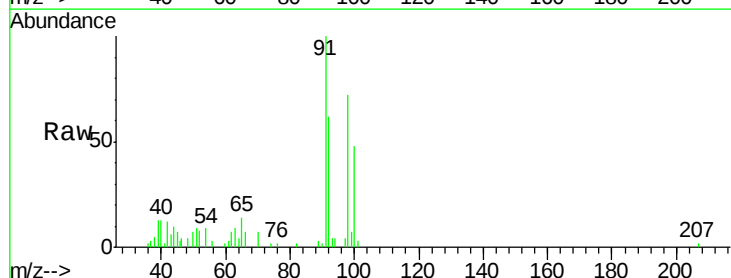
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

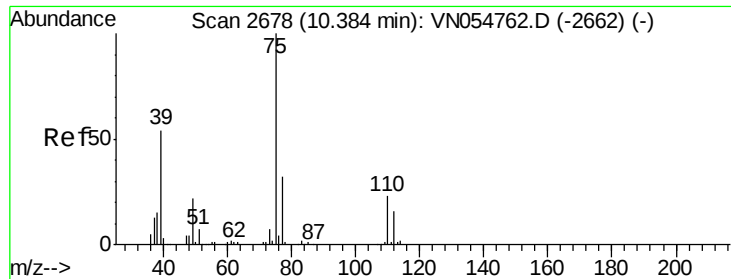
Tgt Ion: 43 Resp: 22830
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.8 47.6



#52
 Toluene
 Concen: 0.986 ug/l
 RT: 10.16 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 92 Resp: 10572
 Ion Ratio Lower Upper
 92 100
 91 177.9 140.7 211.1

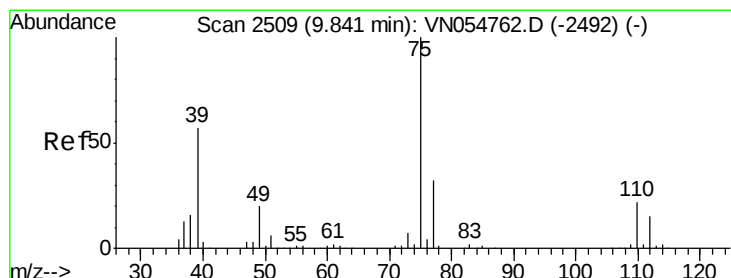
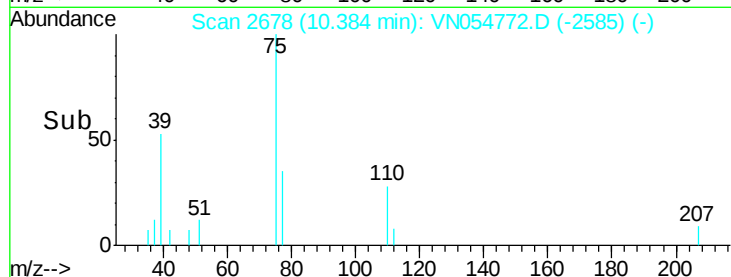
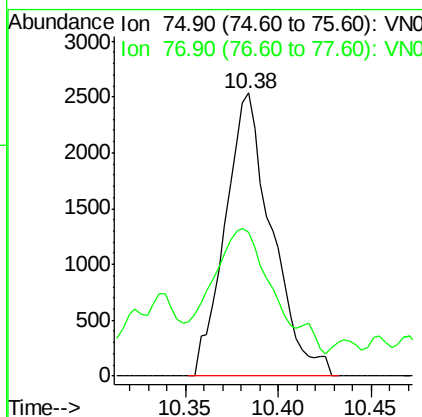
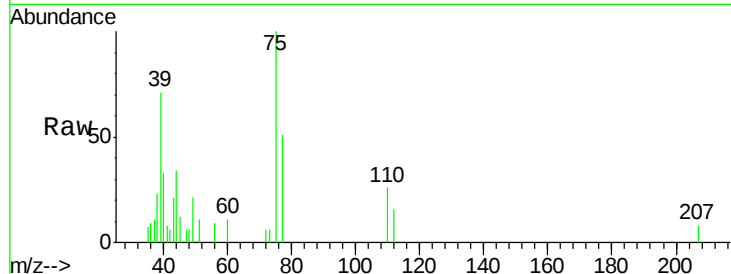




#53
t-1,3-Dichloropropene
Concen: 0.784 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

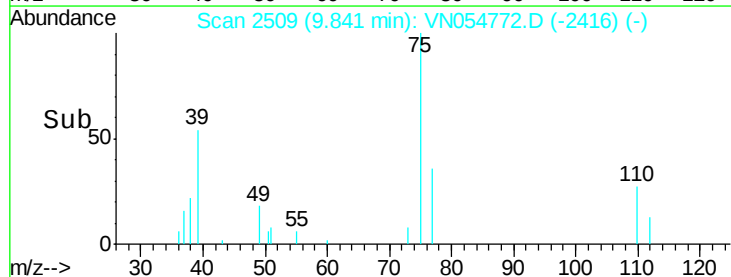
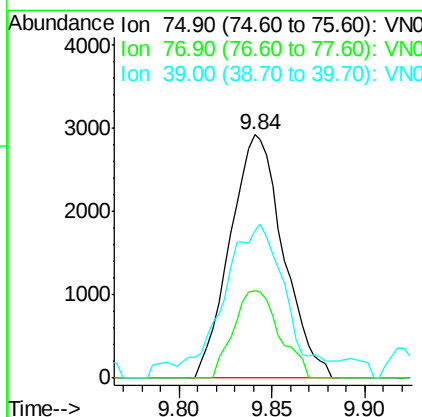
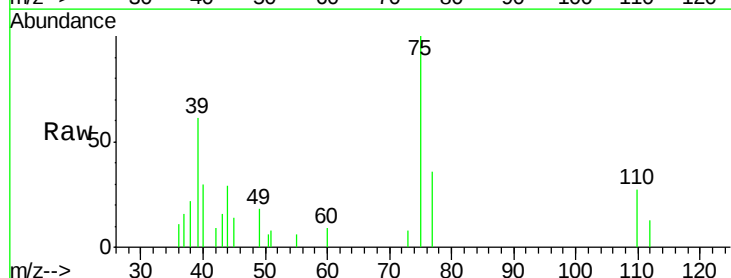
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

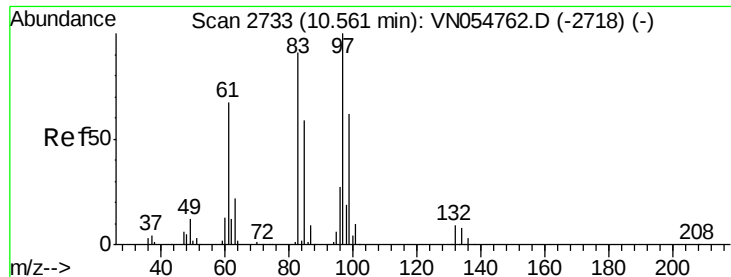
Tgt Ion: 75 Resp: 4430
Ion Ratio Lower Upper
75 100
77 38.6 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 0.860 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 75 Resp: 5807
Ion Ratio Lower Upper
75 100
77 35.9 25.4 38.0
39 53.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 0.955 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 97 Resp: 3809

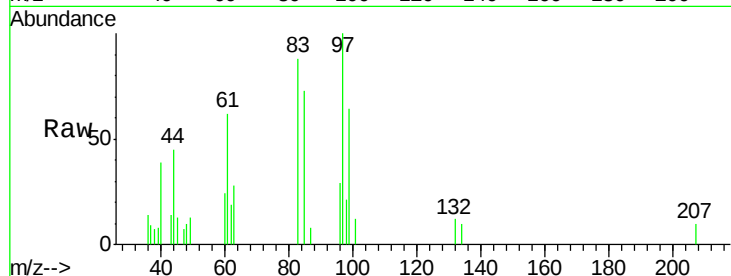
Ion Ratio Lower Upper

97 100

83 88.4 66.6 100.0

85 72.7 44.4 66.6#

99 63.7 50.8 76.2

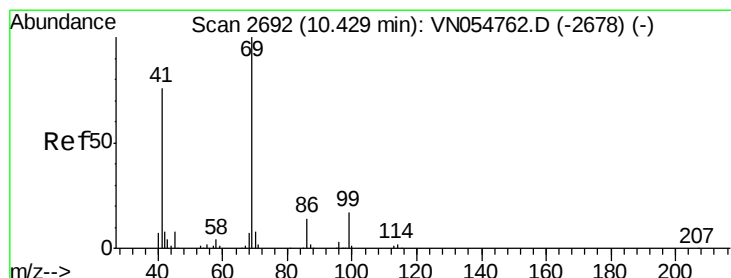
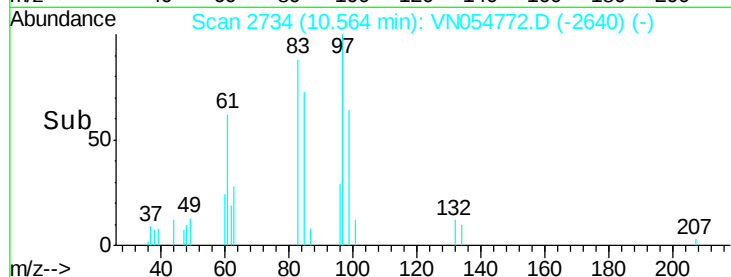
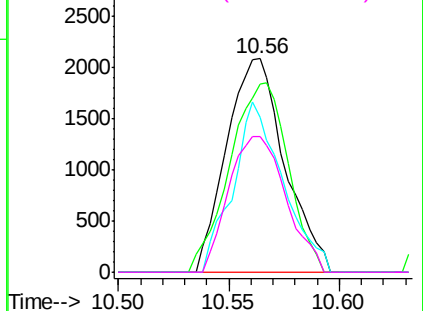


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.892 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

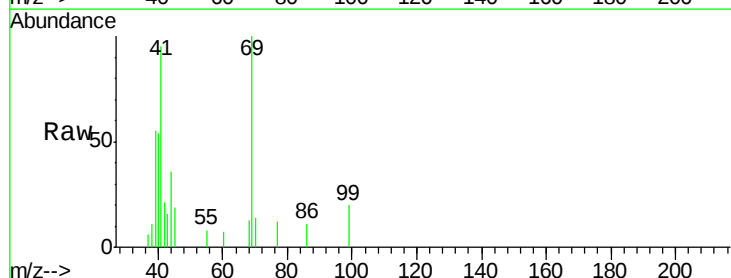
Tgt Ion: 69 Resp: 4664

Ion Ratio Lower Upper

69 100

41 102.3 49.4 74.2#

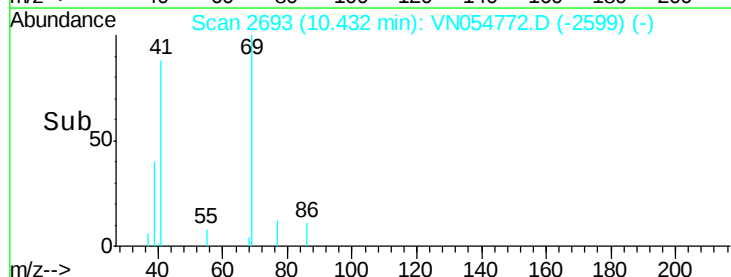
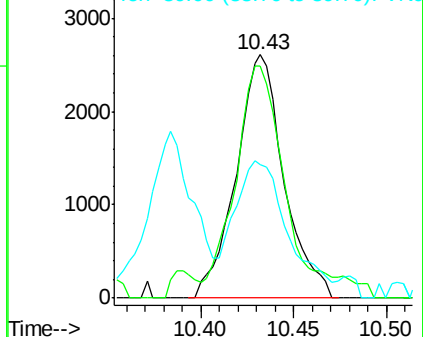
39 53.8 28.3 42.5#

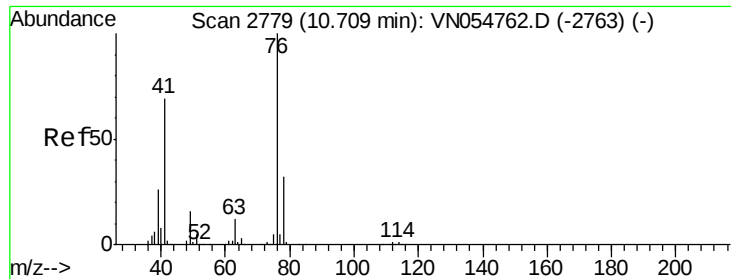


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.998 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

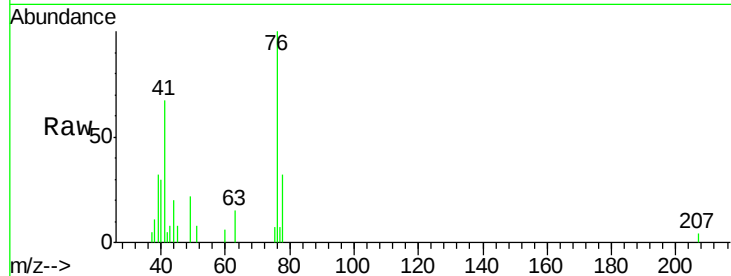
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 76 Resp: 6838

Ion Ratio Lower Upper

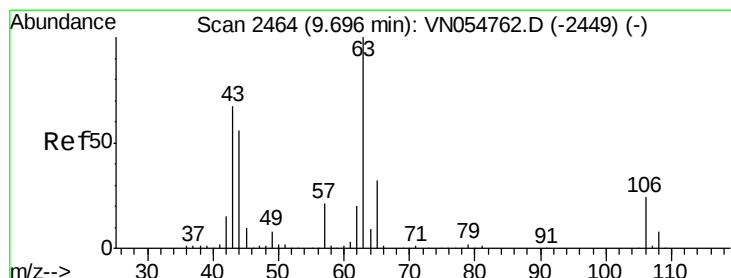
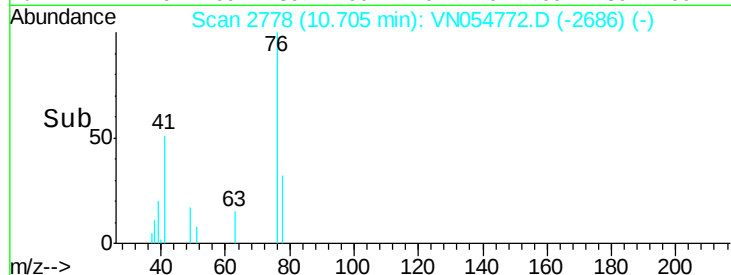
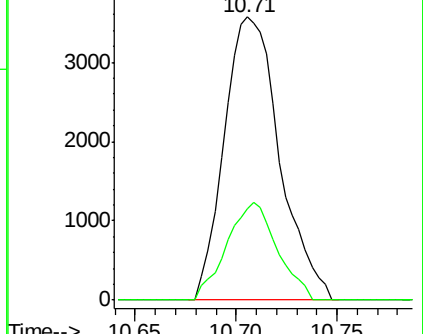
76 100

78 31.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.985 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054772.D

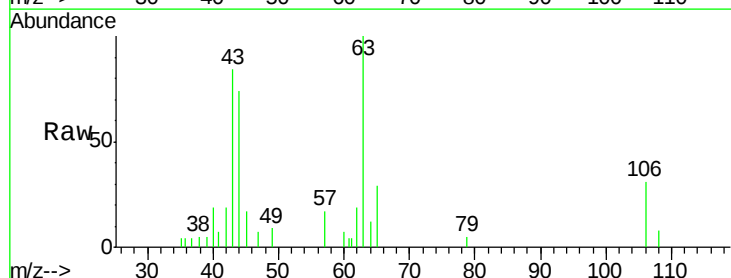
Acq: 29 Mar 2019 16:13

Tgt Ion: 63 Resp: 8531

Ion Ratio Lower Upper

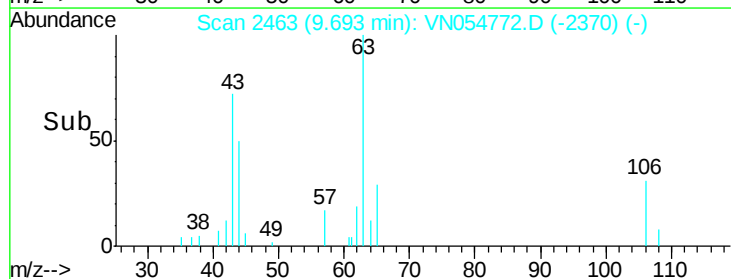
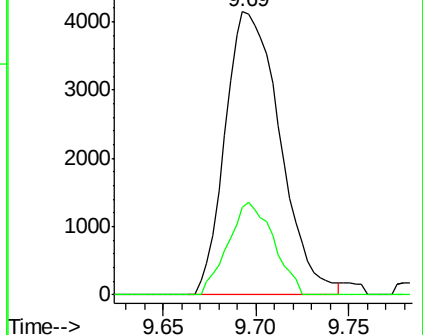
63 100

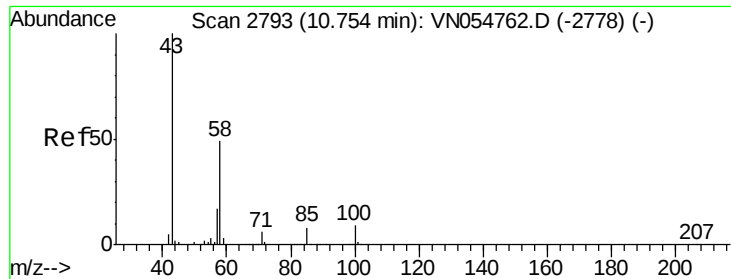
106 27.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 5.236 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

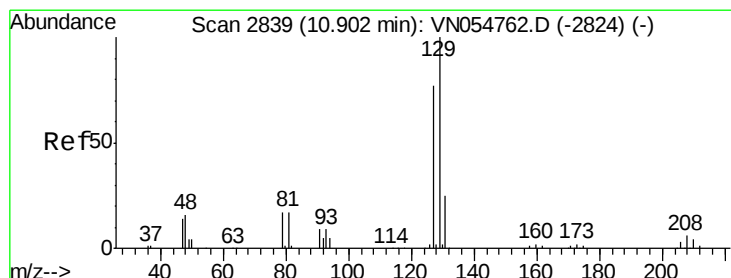
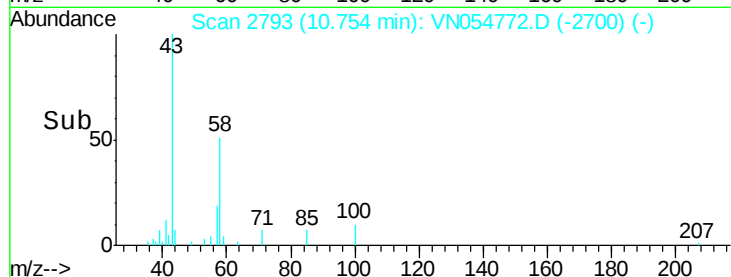
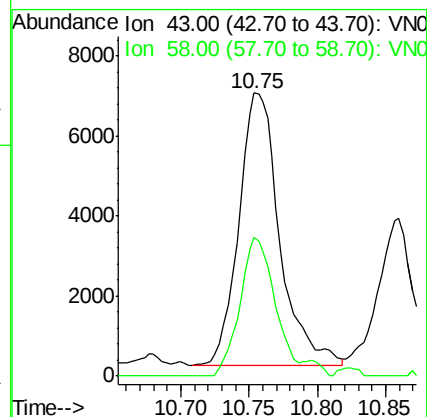
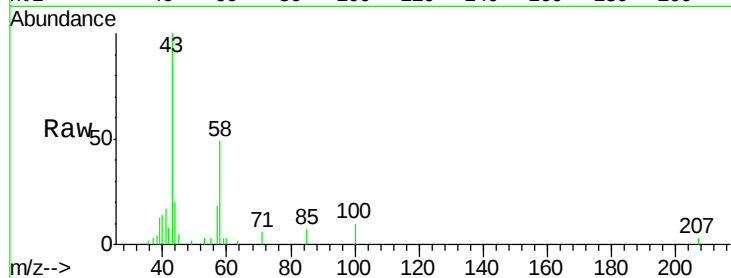
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 43 Resp: 14139

Ion Ratio Lower Upper

43 100

58 43.4 28.0 83.9



#60

Dibromochloromethane

Concen: 0.874 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054772.D

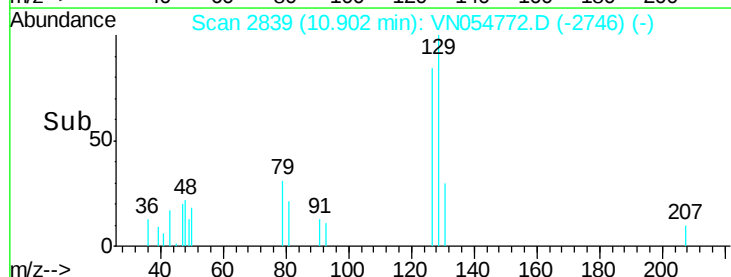
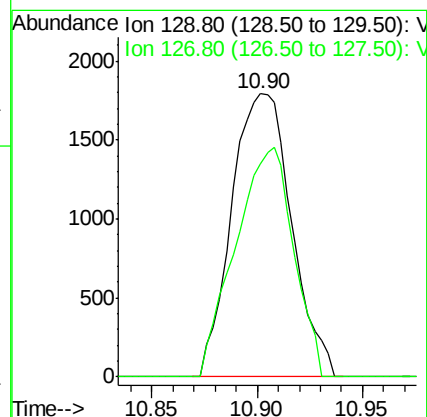
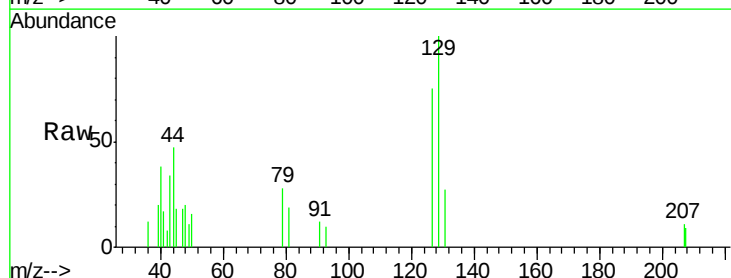
Acq: 29 Mar 2019 16:13

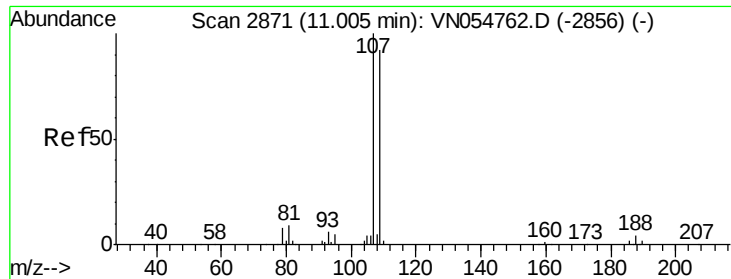
Tgt Ion: 129 Resp: 3531

Ion Ratio Lower Upper

129 100

127 78.6 38.6 115.8

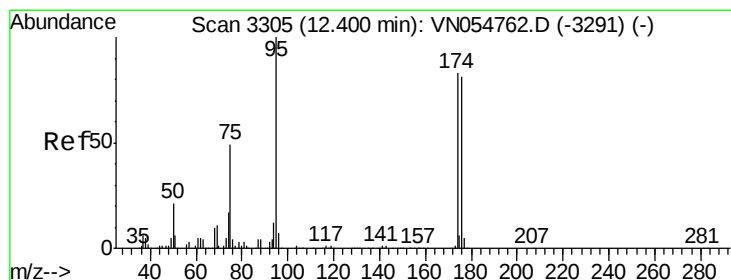
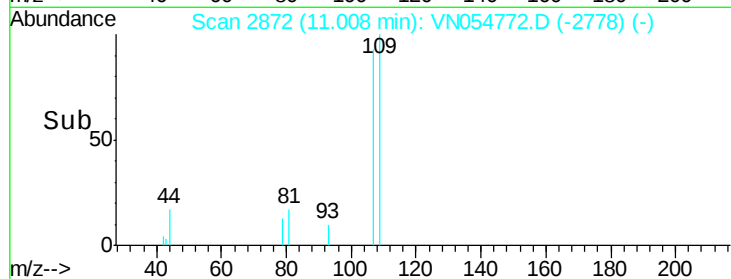
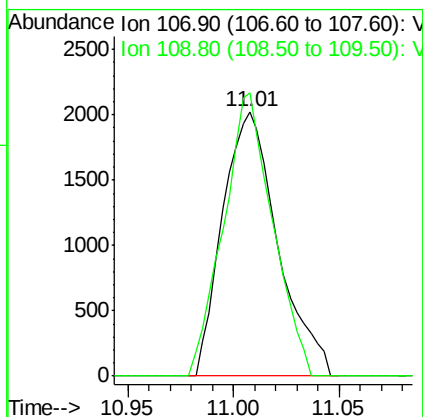
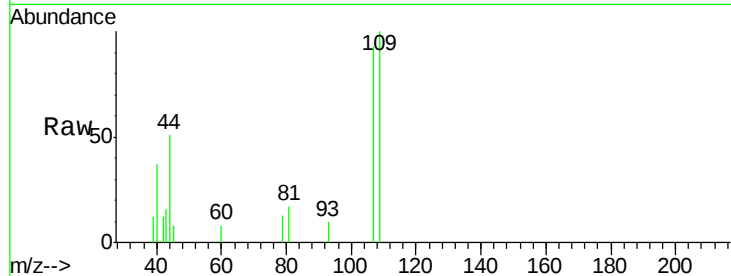




#61
 1,2-Dibromoethane
 Concen: 0.967 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

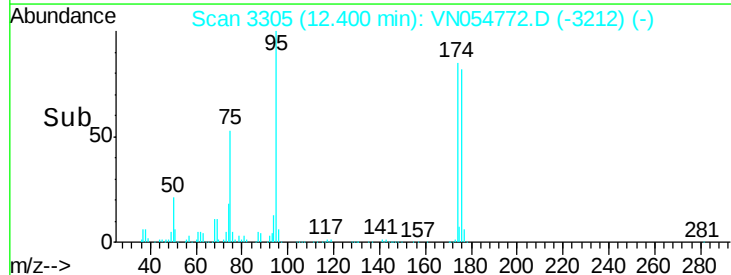
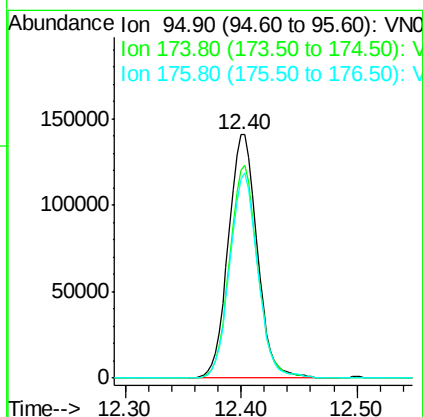
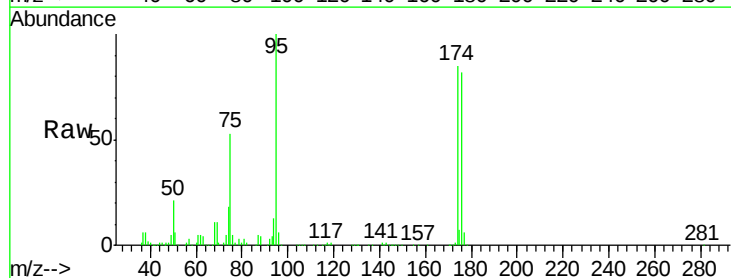
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

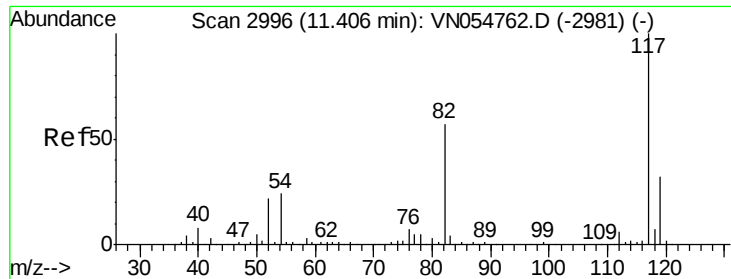
Tgt Ion: 107 Resp: 3683
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 43.742 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion: 95 Resp: 243666
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 191.0
 176 81.1 0.0 187.4

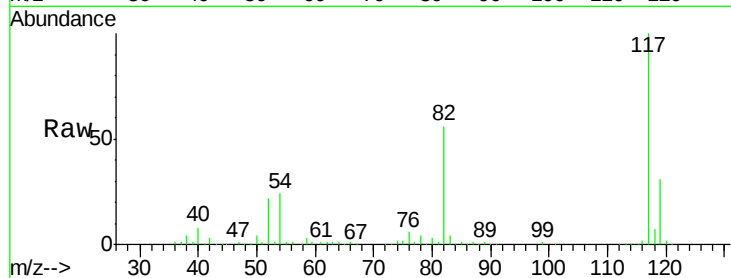




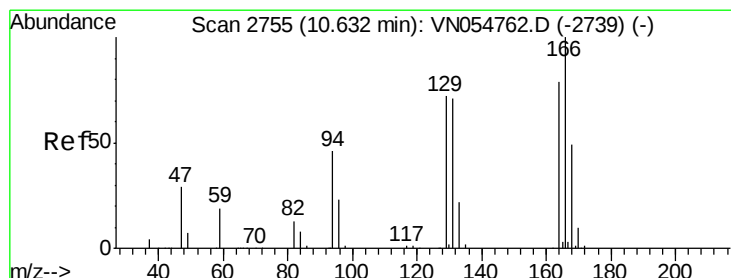
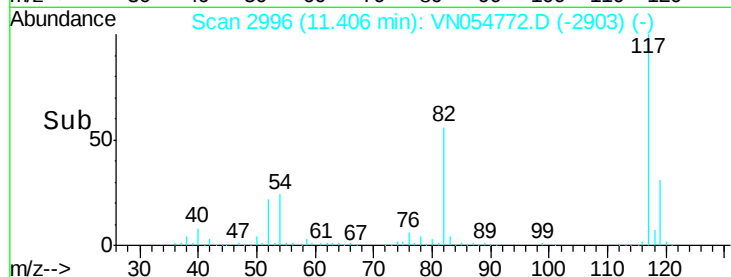
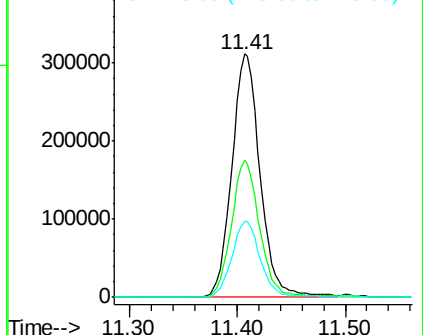
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion:117 Resp: 569209
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 31.4 25.8 38.6



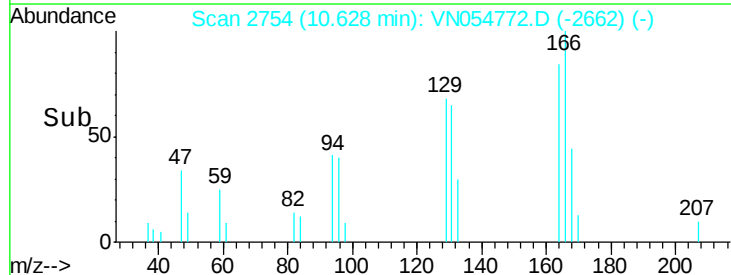
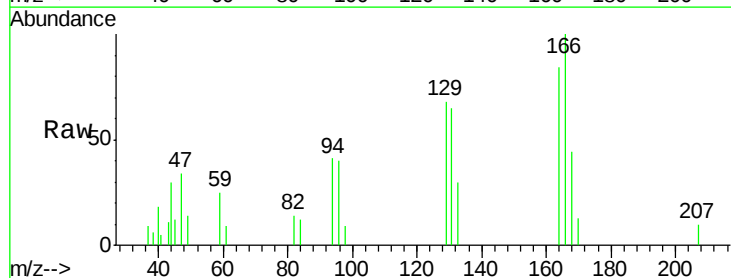
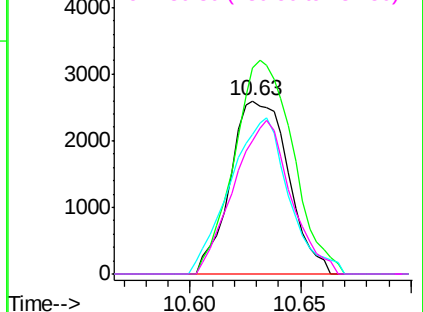
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

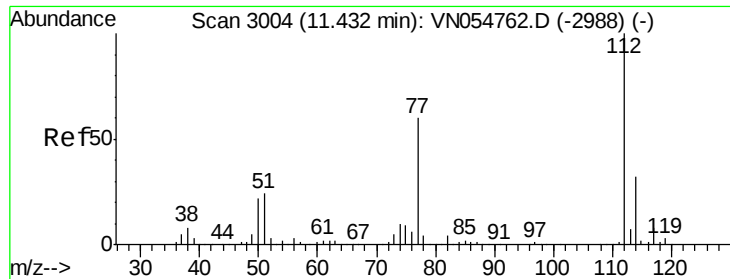


#64
Tetrachloroethene
Concen: 1.084 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion:164 Resp: 4734
Ion Ratio Lower Upper
164 100
166 119.1 103.9 155.9
129 80.4 71.1 106.7
131 77.3 68.2 102.4

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

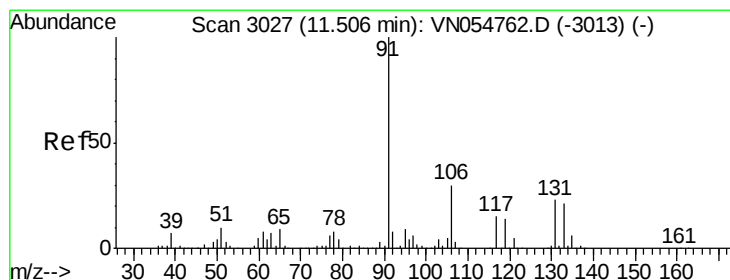
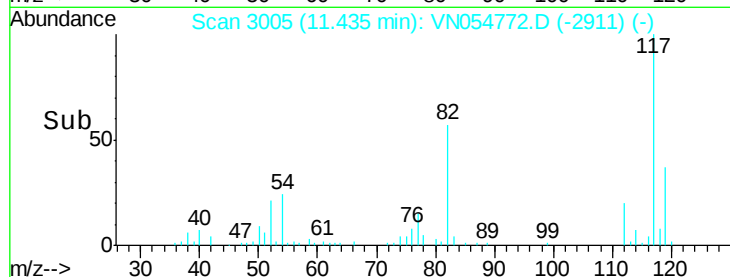
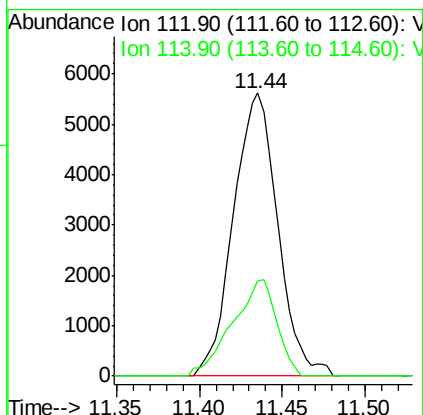
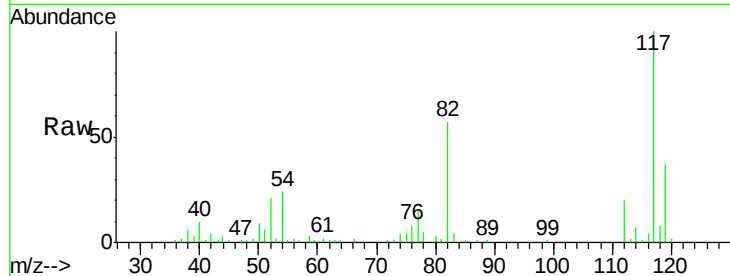




#65
Chlorobenzene
Concen: 0.939 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

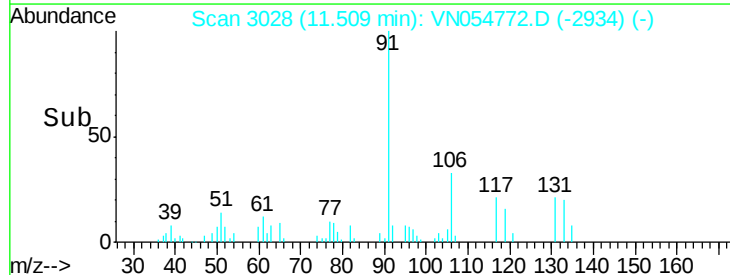
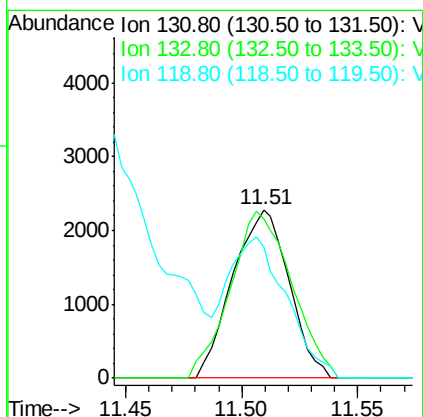
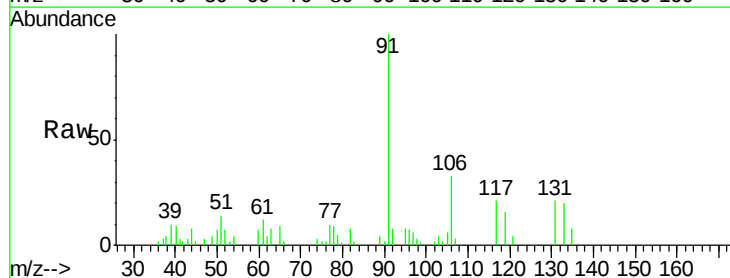
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

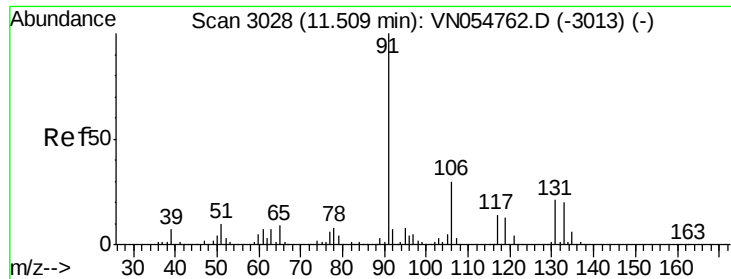
Tgt Ion:112 Resp: 10461
Ion Ratio Lower Upper
112 100
114 33.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 0.922 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion:131 Resp: 3848
Ion Ratio Lower Upper
131 100
133 107.5 47.6 142.9
119 0.0 32.4 97.0#

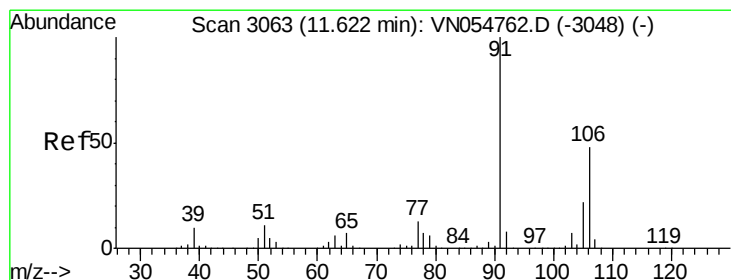
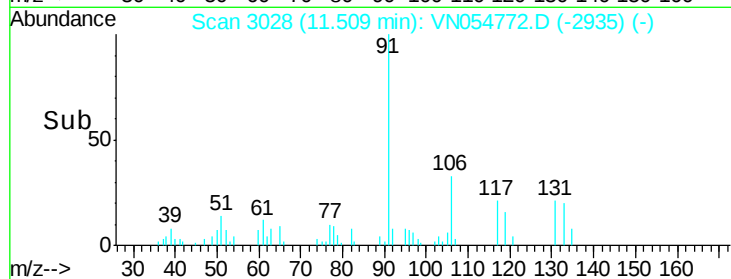
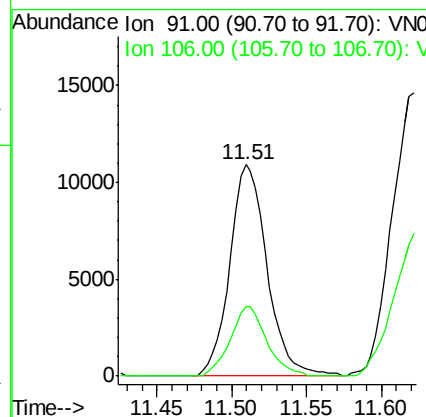
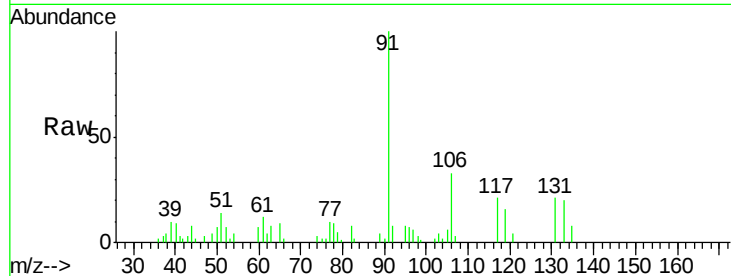




#67
Ethyl Benzene
Concen: 0.943 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

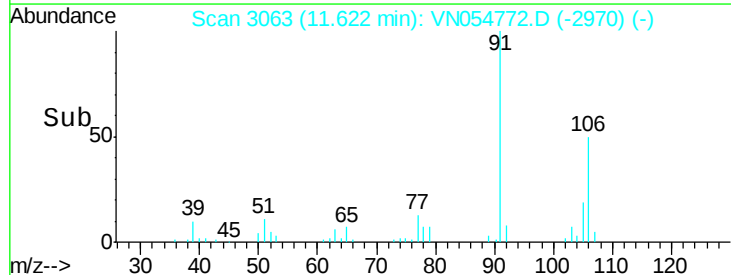
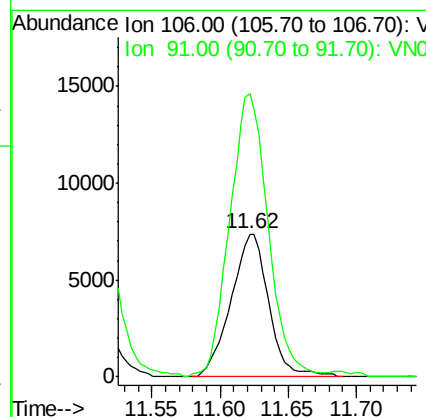
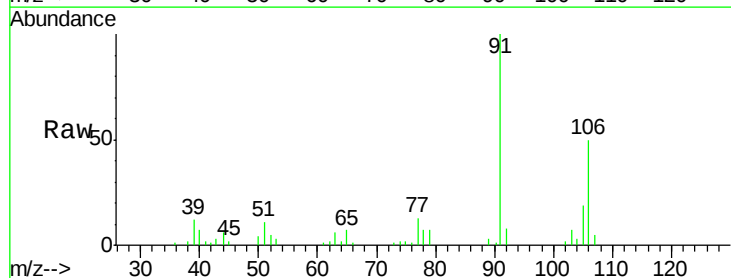
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

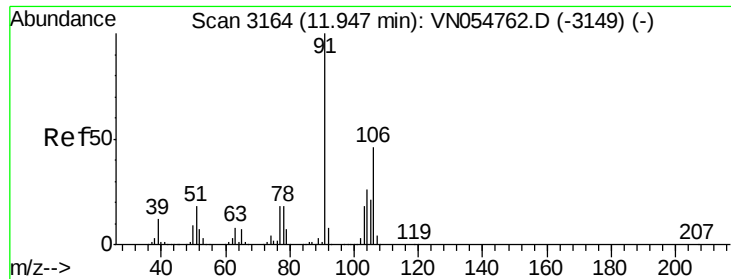
Tgt Ion: 91 Resp: 18974
Ion Ratio Lower Upper
91 100
106 33.1 25.5 38.3



#68
m/p-Xylenes
Concen: 1.903 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 106 Resp: 14160
Ion Ratio Lower Upper
106 100
91 202.1 159.4 239.2

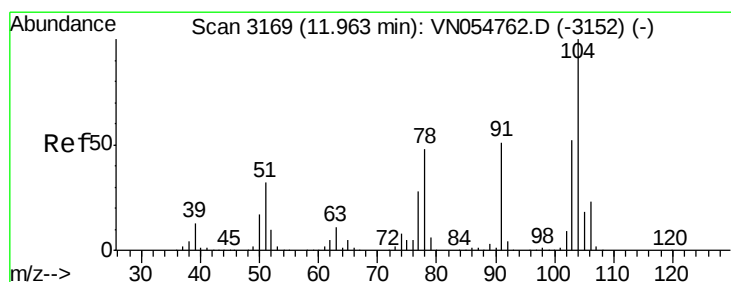
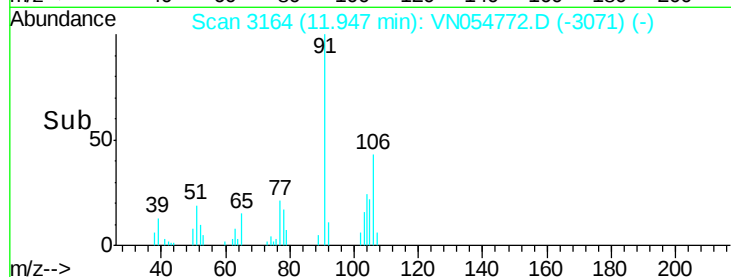
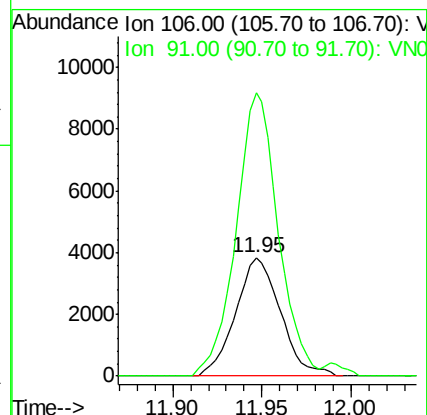
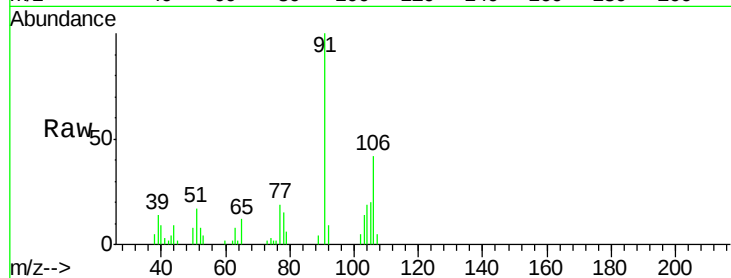




#69
o-Xylene
Concen: 0.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

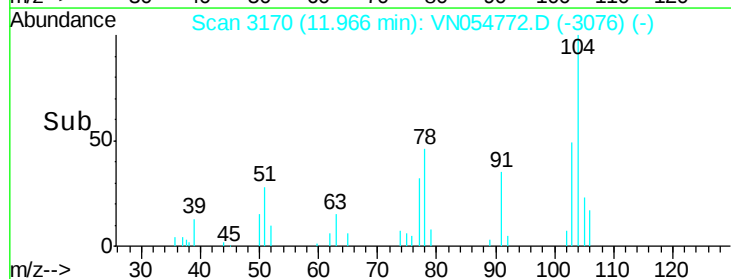
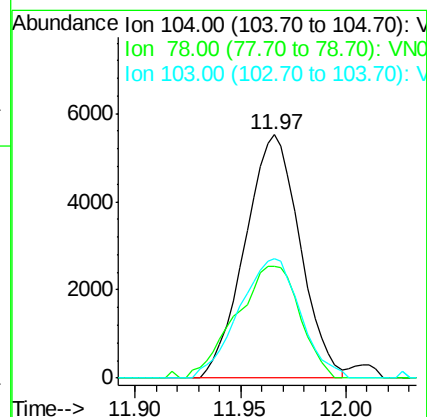
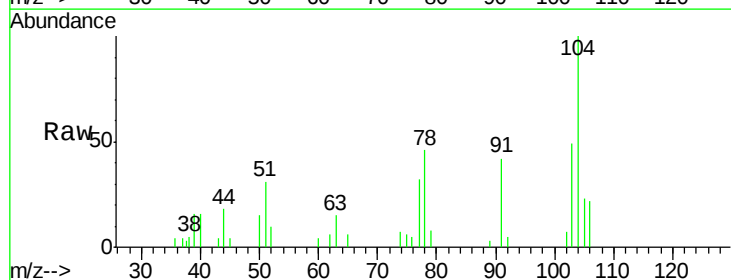
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

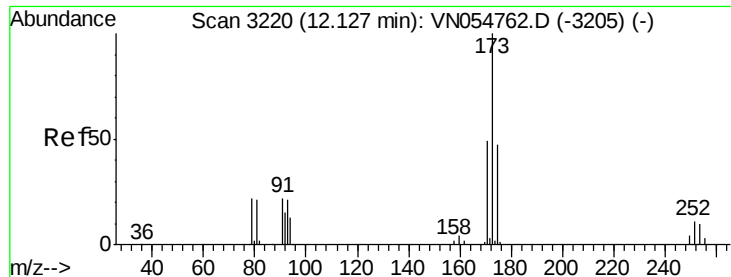
Tgt Ion:106 Resp: 6767
Ion Ratio Lower Upper
106 100
91 222.9 105.7 317.1



#70
Styrene
Concen: 0.859 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion:104 Resp: 10021
Ion Ratio Lower Upper
104 100
78 53.0 38.2 57.2
103 54.6 44.4 66.6





#71

Bromoform

Concen: 0.814 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

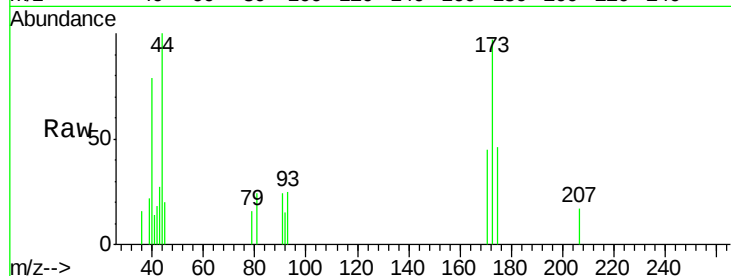
Tgt Ion:173 Resp: 1988

Ion Ratio Lower Upper

173 100

175 21.8 24.4 73.2#

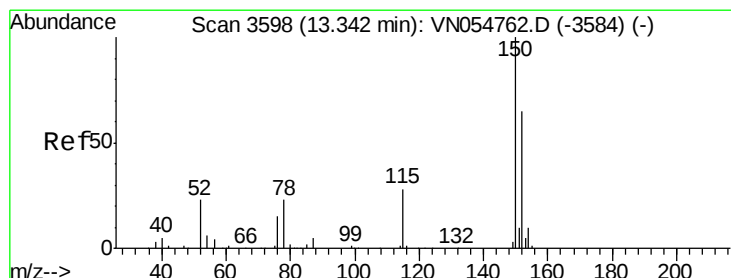
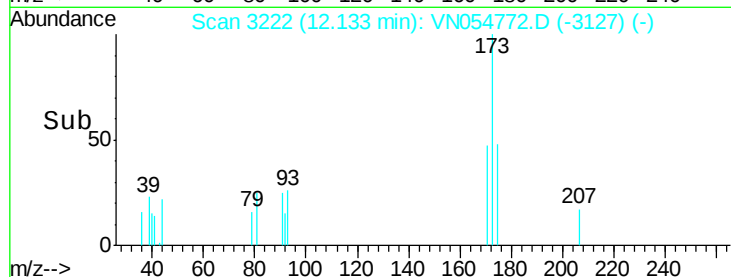
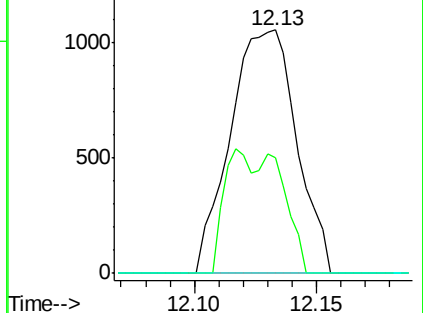
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

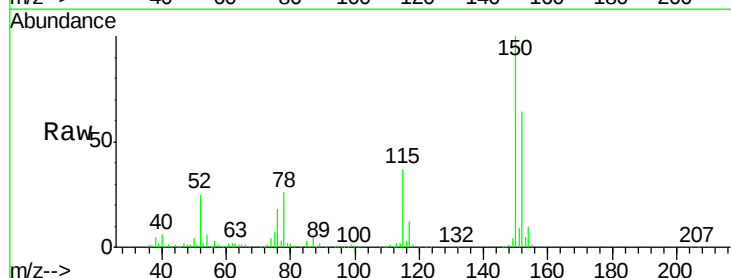
Tgt Ion:152 Resp: 202161

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

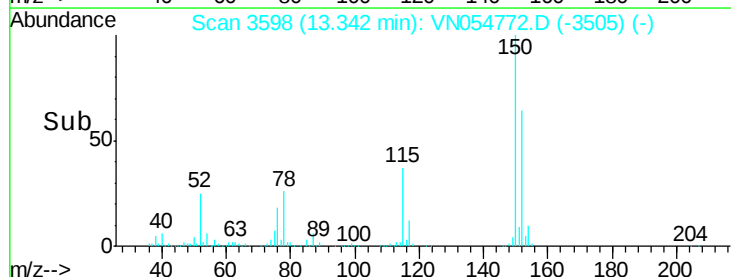
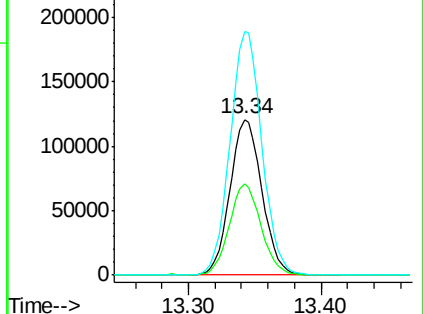
150 155.1 0.0 349.2

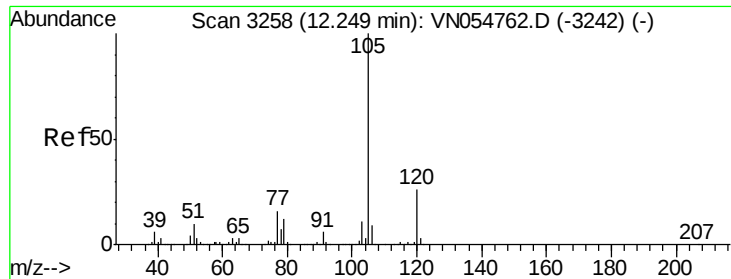


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.088 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

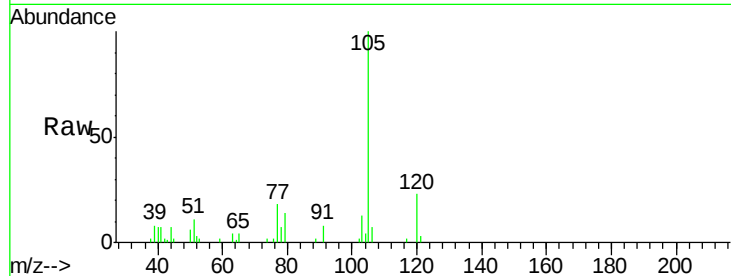
LOD-MDL-WATER-01-QT1-2019

Tgt Ion:105 Resp: 17971

Ion Ratio Lower Upper

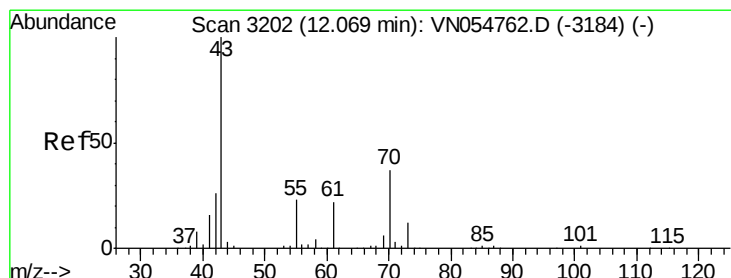
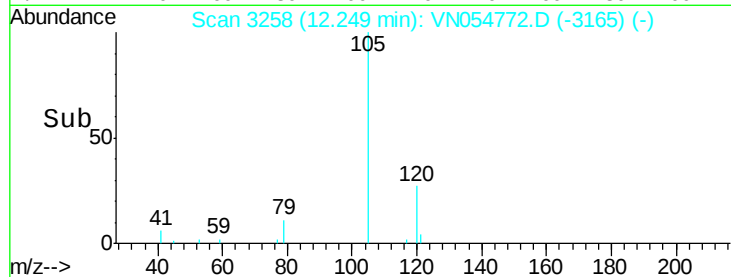
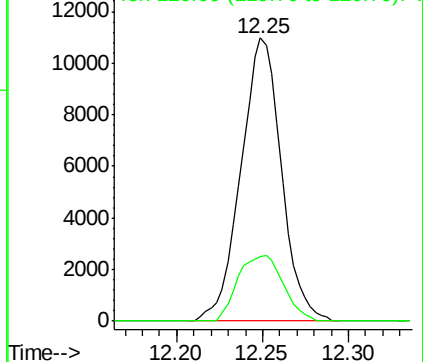
105 100

120 26.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.796 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Tgt Ion: 43 Resp: 4098

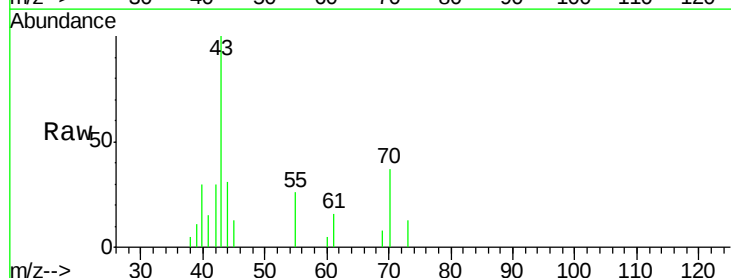
Ion Ratio Lower Upper

43 100

70 40.3 35.4 53.0

55 38.8 19.8 29.6#

61 24.2 19.8 29.6

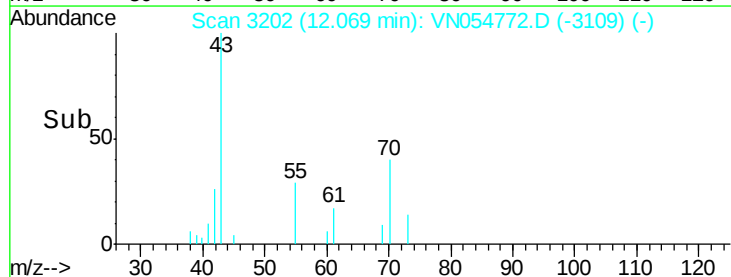
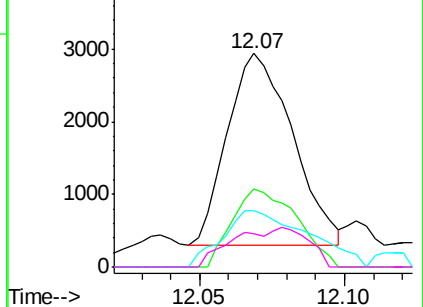


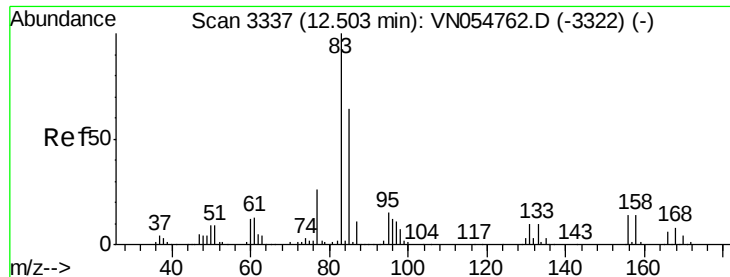
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

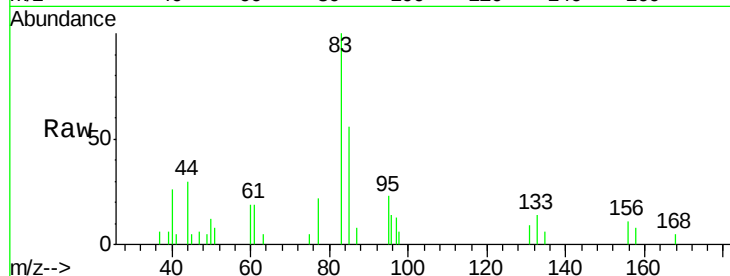
Tgt Ion: 83 Resp: 5176

Ion Ratio Lower Upper

83 100

131 5.4 5.8 17.4#

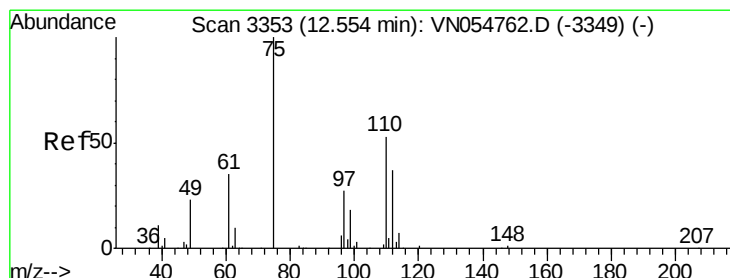
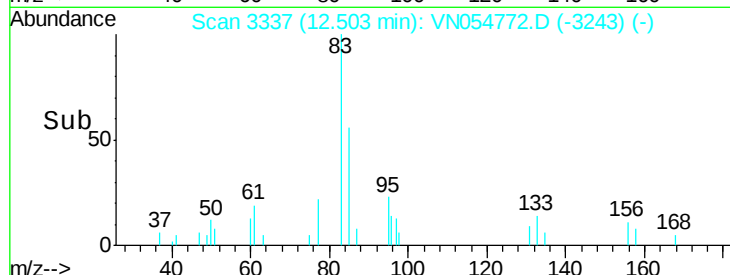
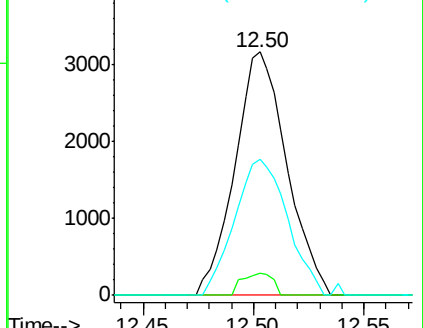
85 56.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.679 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054772.D

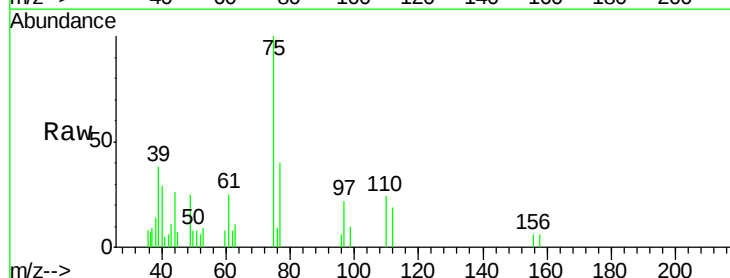
Acq: 29 Mar 2019 16:13

Tgt Ion: 75 Resp: 5895

Ion Ratio Lower Upper

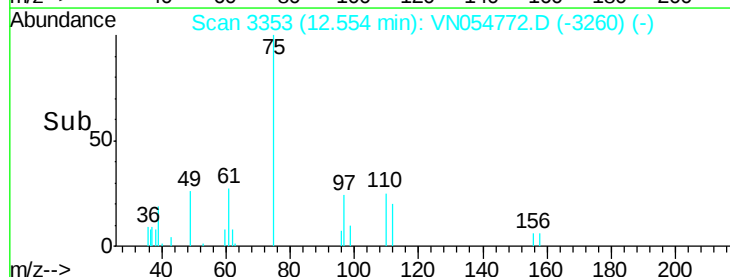
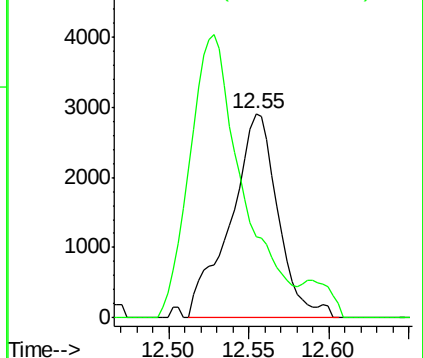
75 100

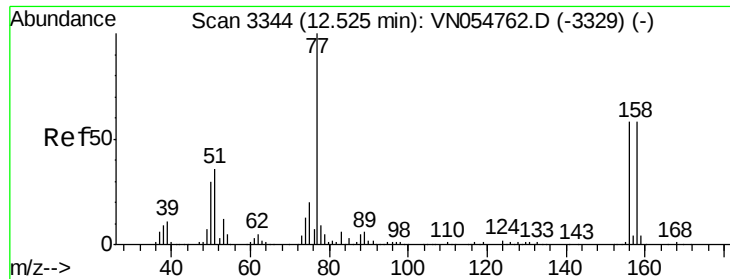
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.054 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

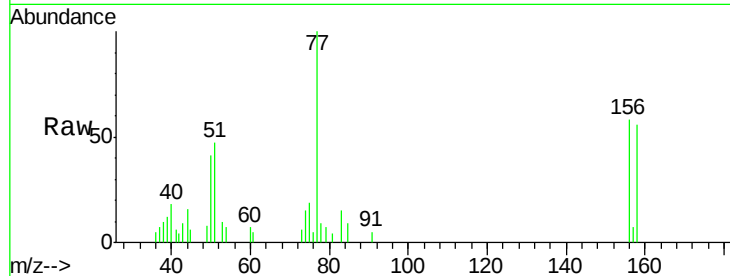
Tgt Ion:156 Resp: 4204

Ion Ratio Lower Upper

156 100

77 220.0 81.5 244.4

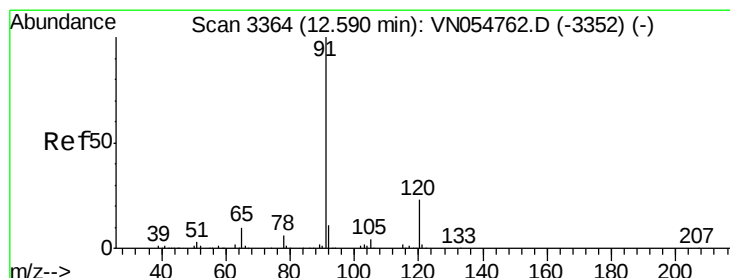
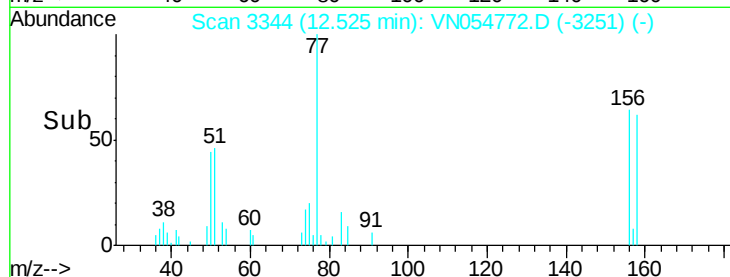
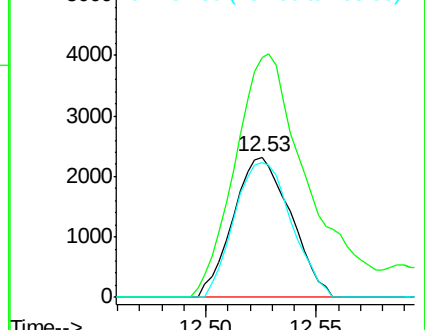
158 95.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.036 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054772.D

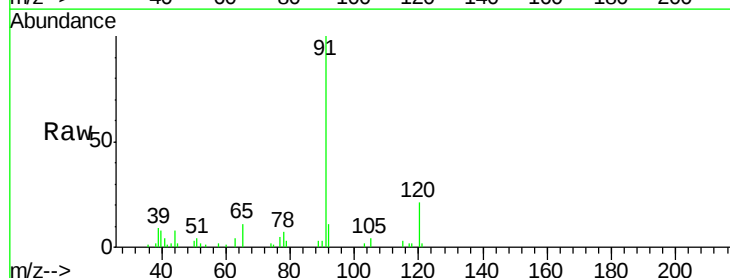
Acq: 29 Mar 2019 16:13

Tgt Ion: 91 Resp: 18811

Ion Ratio Lower Upper

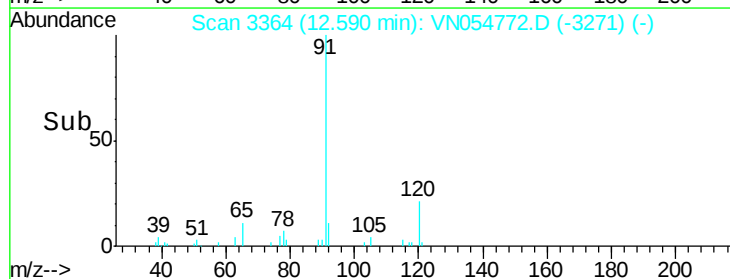
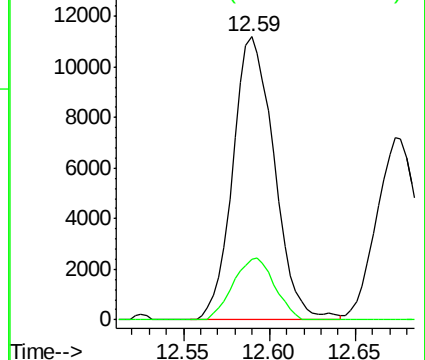
91 100

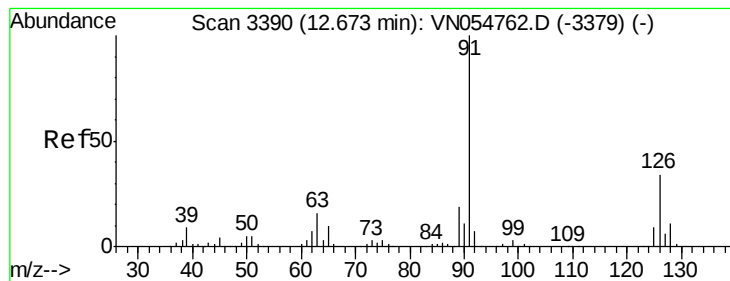
120 21.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.103 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

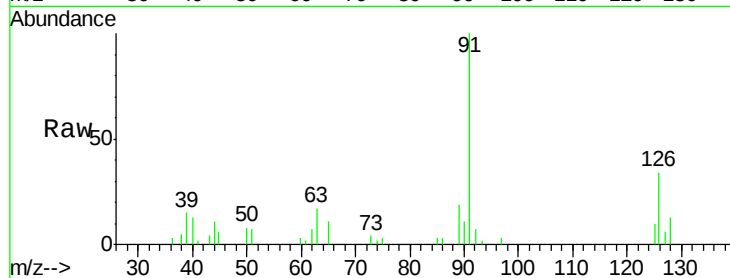
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 91 Resp: 12393

Ion Ratio Lower Upper

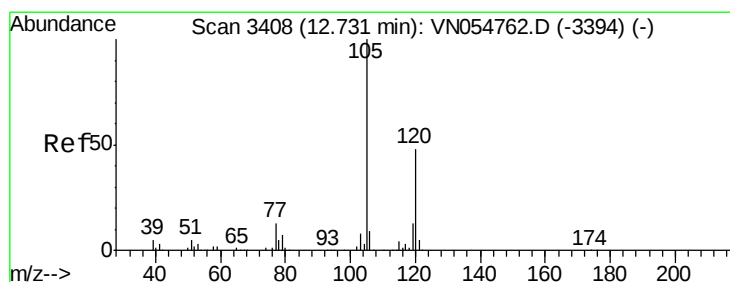
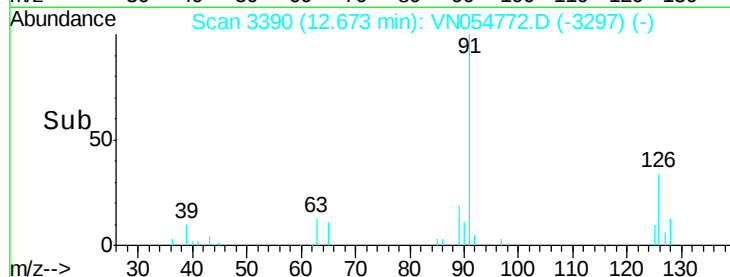
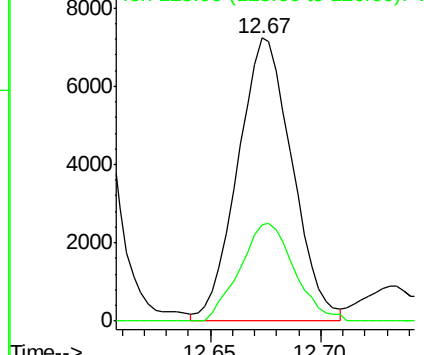
91 100

126 34.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.023 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054772.D

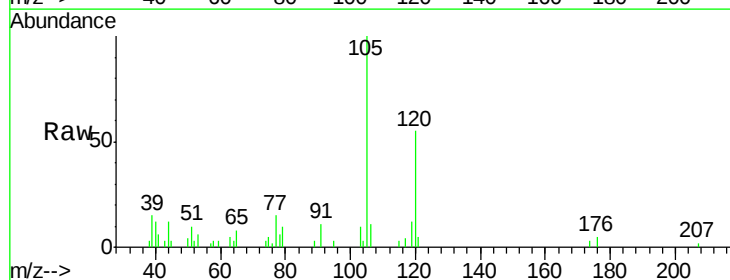
Acq: 29 Mar 2019 16:13

Tgt Ion: 105 Resp: 13874

Ion Ratio Lower Upper

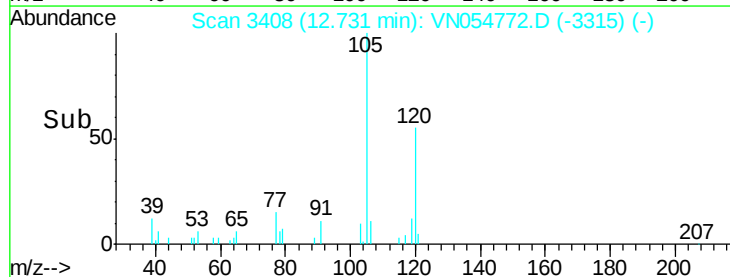
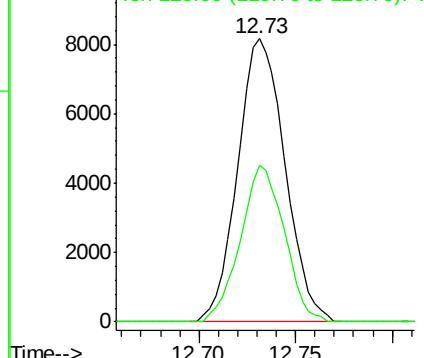
105 100

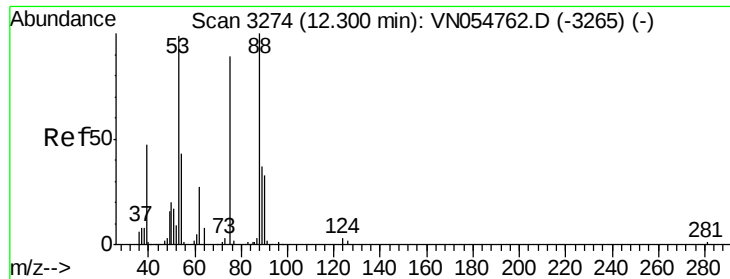
120 51.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)

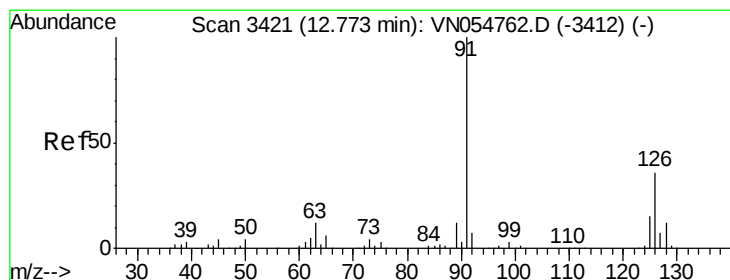
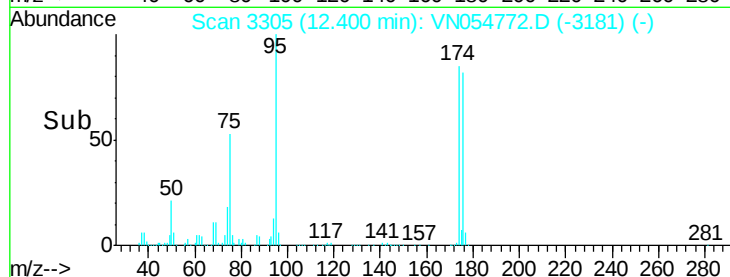
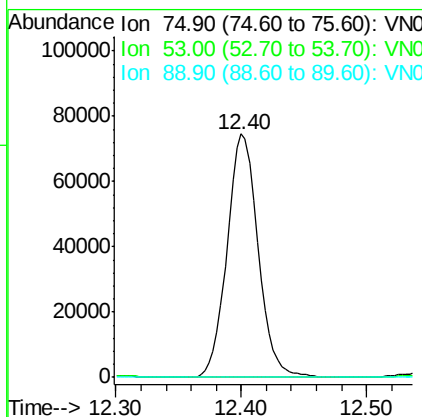
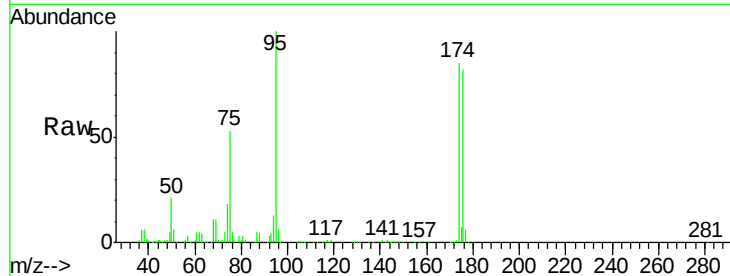




#81
trans-1,4-Dichloro-2-butene
Concen: 141.571 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

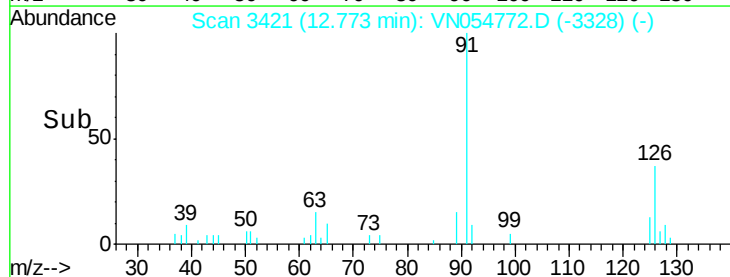
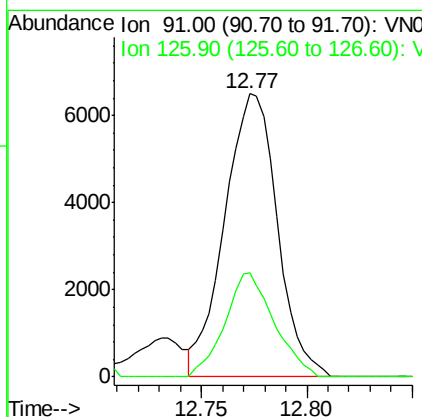
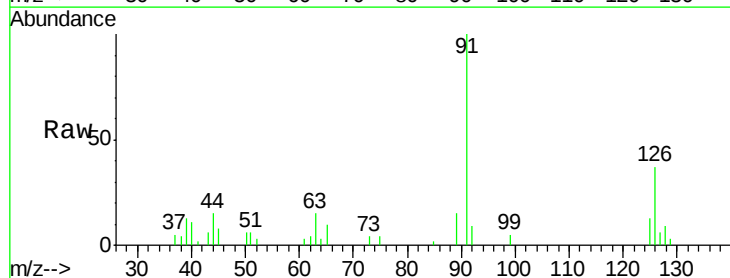
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

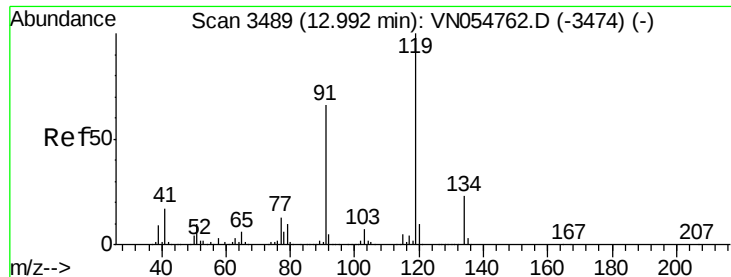
Tgt Ion: 75 Resp: 127823
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#82
4-Chlorotoluene
Concen: 1.032 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054772.D
Acq: 29 Mar 2019 16:13

Tgt Ion: 91 Resp: 11263
Ion Ratio Lower Upper
91 100
126 34.2 18.1 54.1

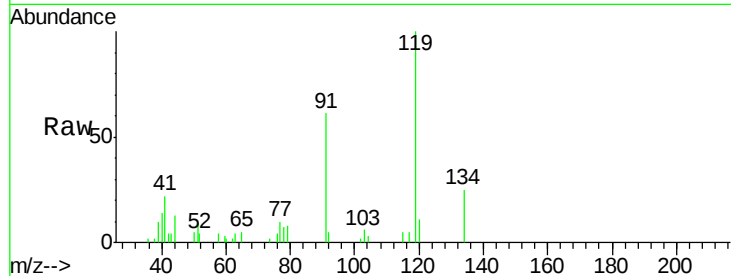




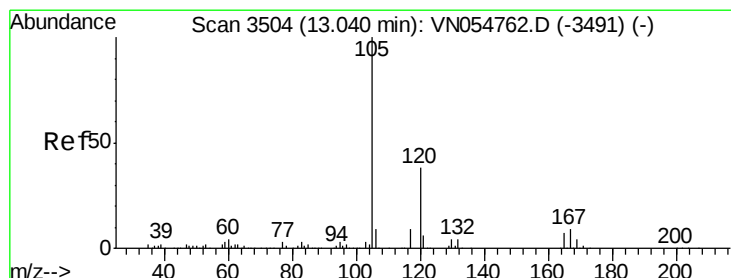
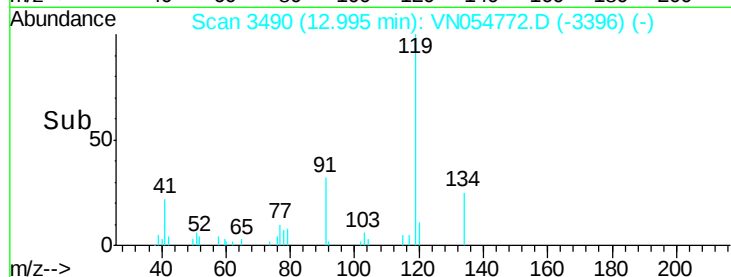
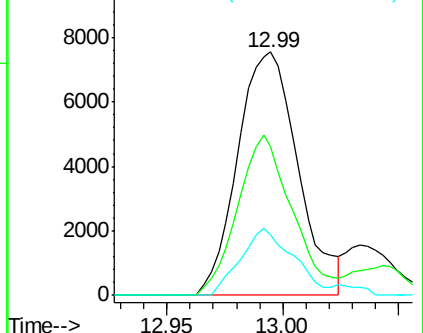
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion:119 Resp: 13665
 Ion Ratio Lower Upper
 119 100
 91 59.6 30.9 92.8
 134 24.1 13.2 39.6

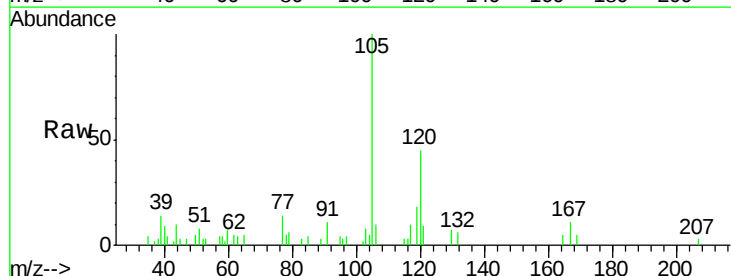


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

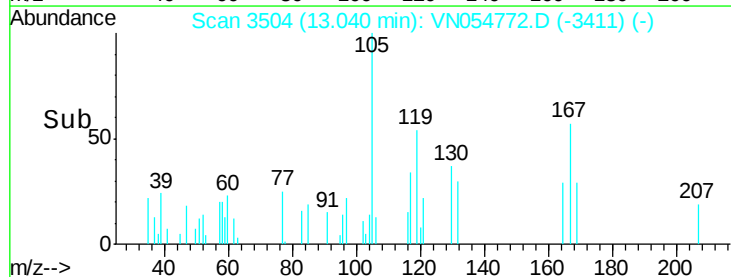
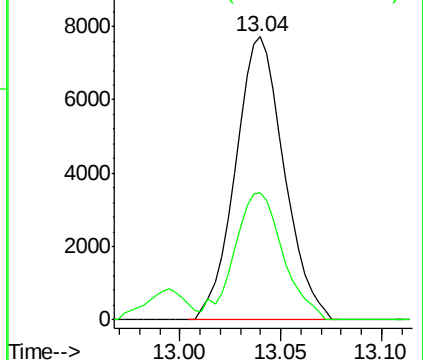


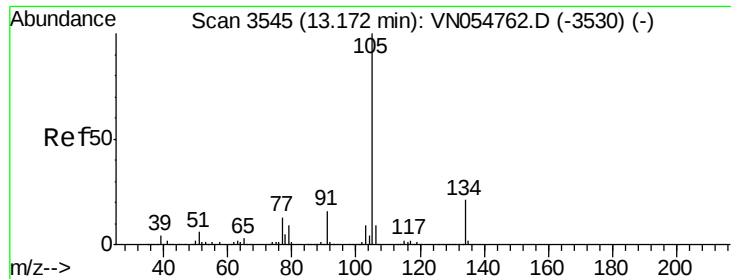
#84
 1,2,4-Trimethylbenzene
 Concen: 1.009 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion:105 Resp: 13030
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.4 70.3



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

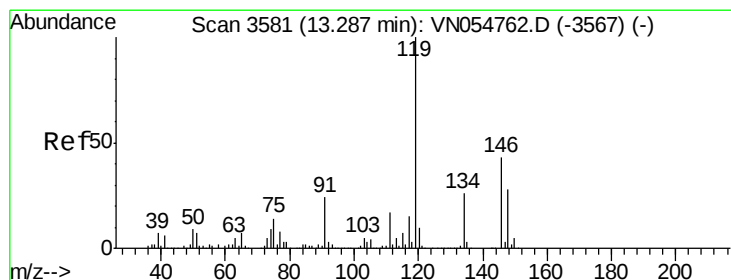
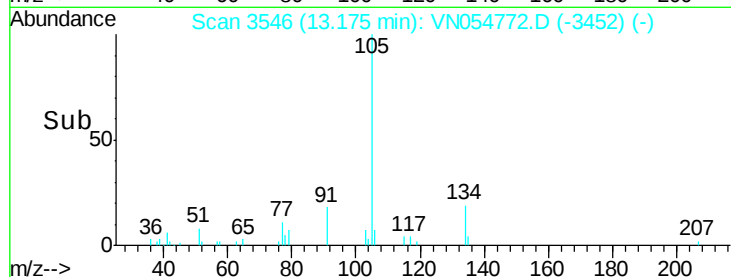
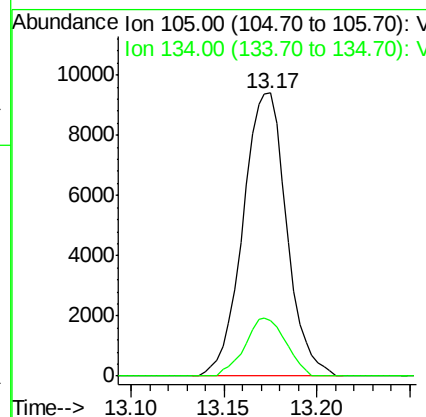
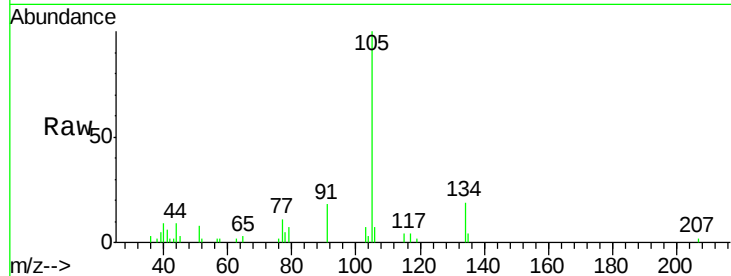




#85
 sec-Butylbenzene
 Concen: 1.047 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

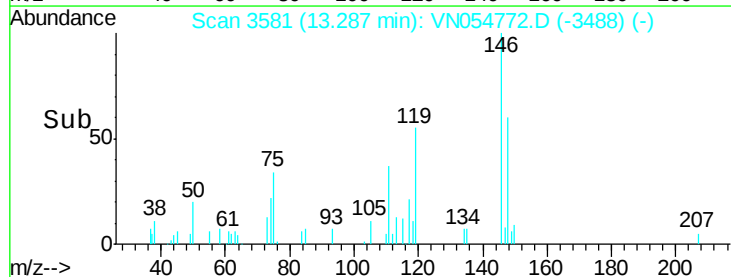
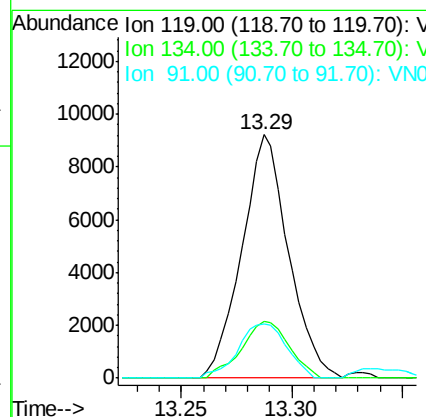
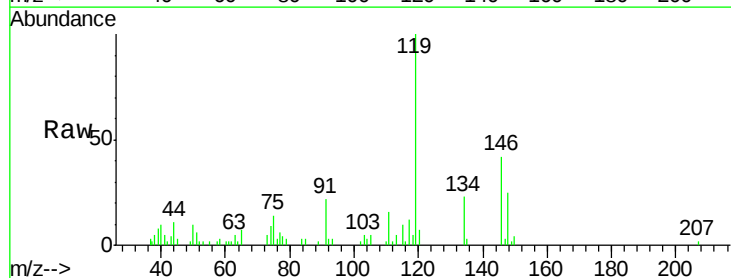
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

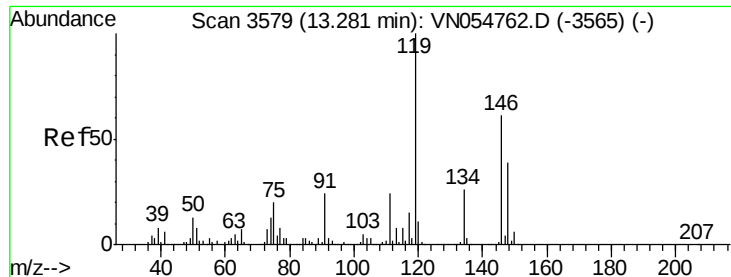
Tgt Ion:105 Resp: 15427
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 1.041 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion:119 Resp: 13529
 Ion Ratio Lower Upper
 119 100
 134 24.0 13.6 40.8
 91 23.3 11.1 33.3

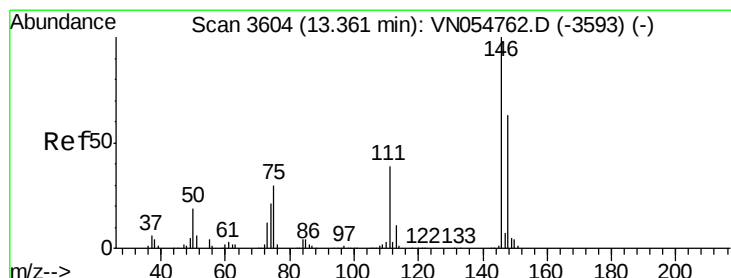
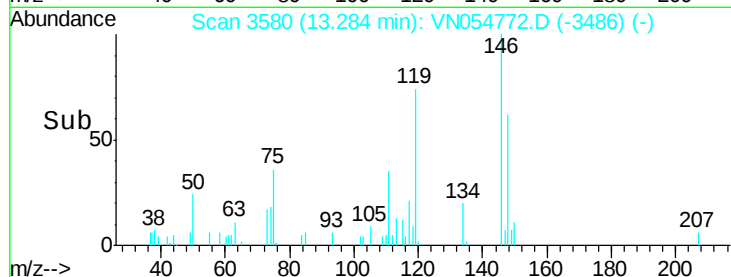
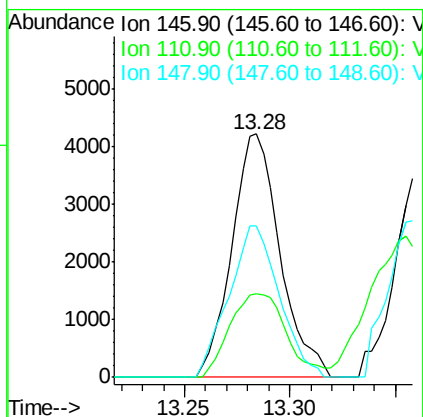
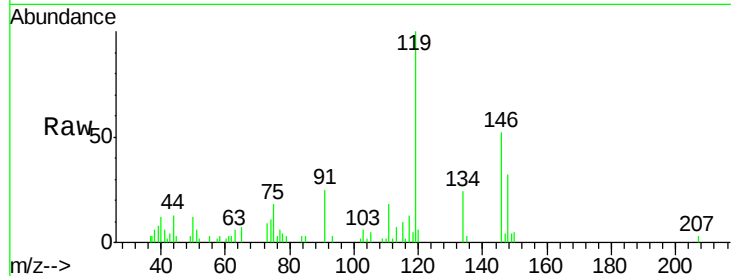




#87
 1,3-Dichlorobenzene
 Concen: 1.002 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

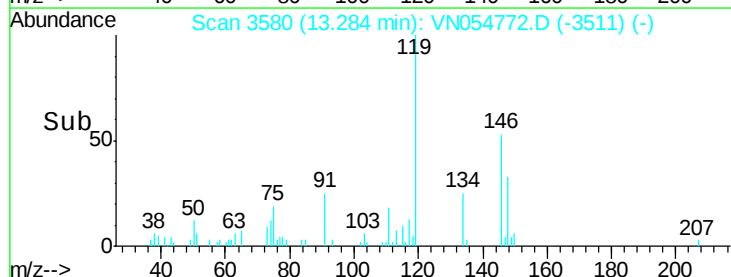
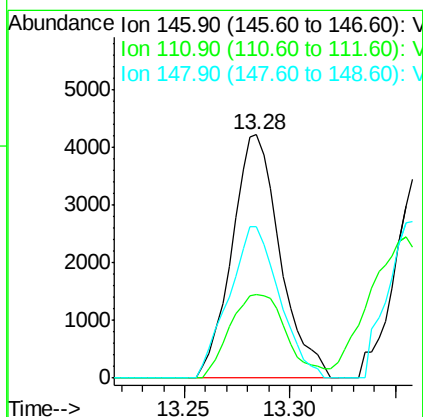
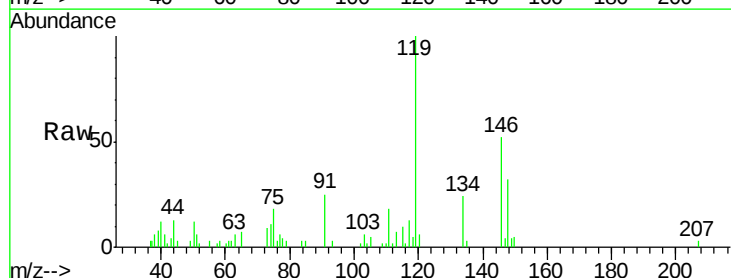
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

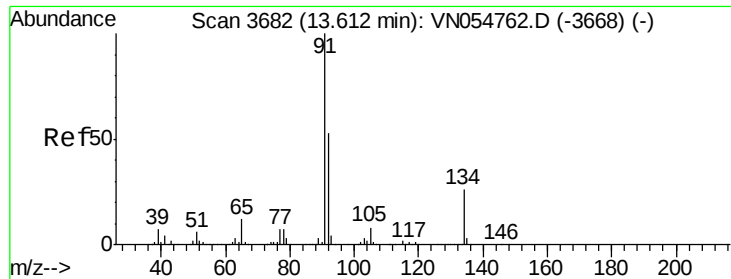
Tgt Ion:146 Resp: 6690
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.8 56.3
 148 65.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 1.022 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion:146 Resp: 6690
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.1 54.1
 148 65.2 32.0 96.0





#89

n-Butylbenzene

Concen: 0.852 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

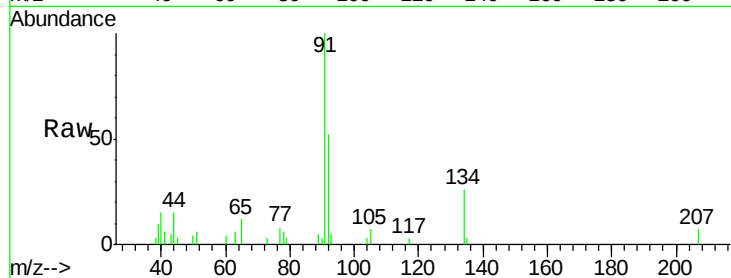
Tgt Ion: 91 Resp: 9026

Ion Ratio Lower Upper

91 100

92 54.5 26.2 78.6

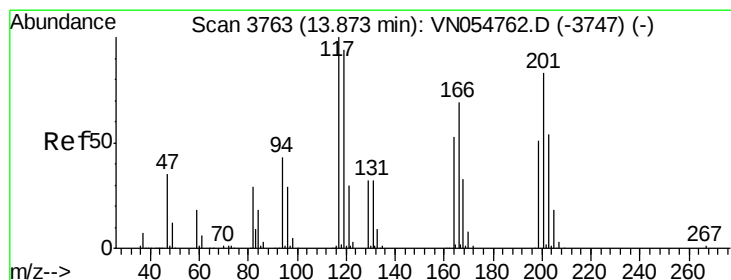
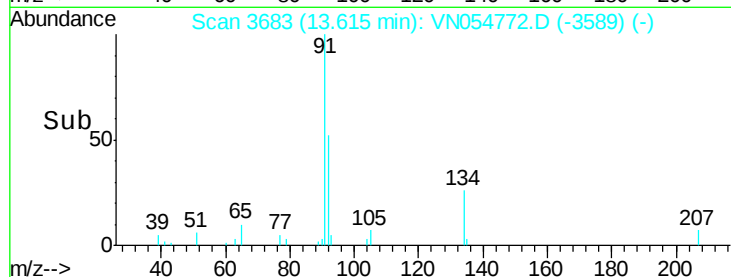
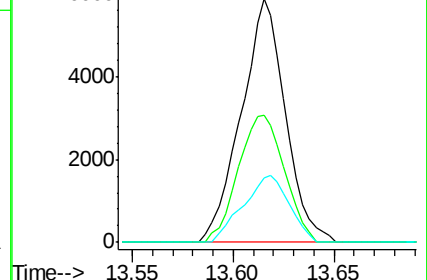
134 28.4 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)



#90

Hexachloroethane

Concen: 0.872 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054772.D

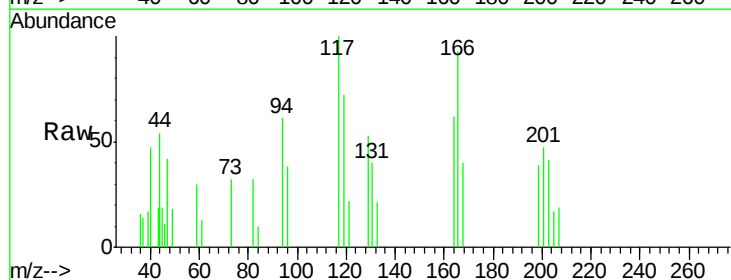
Acq: 29 Mar 2019 16:13

Tgt Ion: 117 Resp: 1923

Ion Ratio Lower Upper

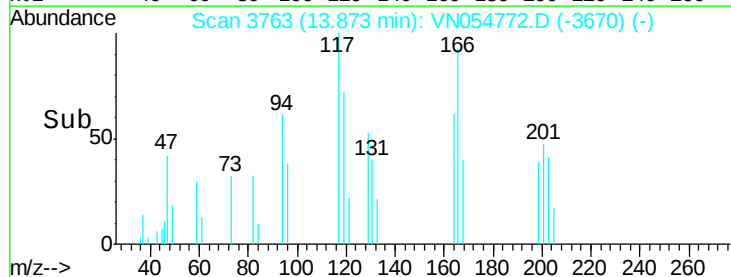
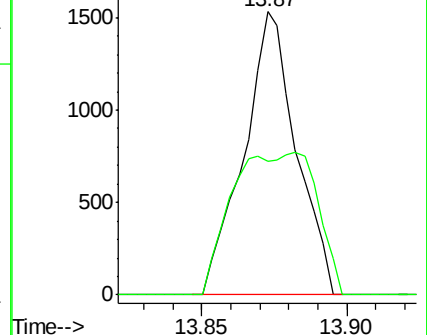
117 100

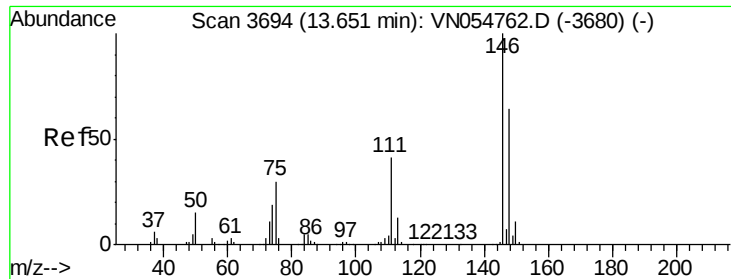
201 39.5 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)





#91

1,2-Dichlorobenzene

Concen: 1.058 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

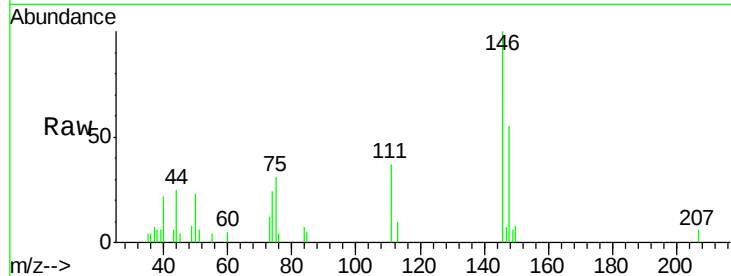
Tgt Ion:146 Resp: 7126

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

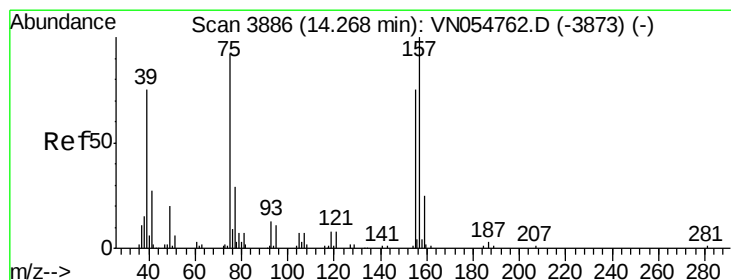
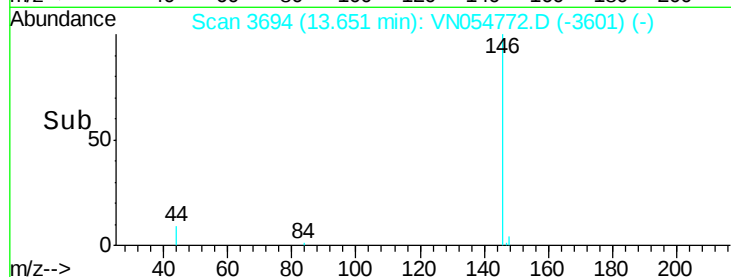
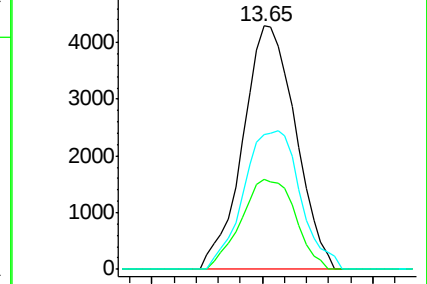
148 61.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.513 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

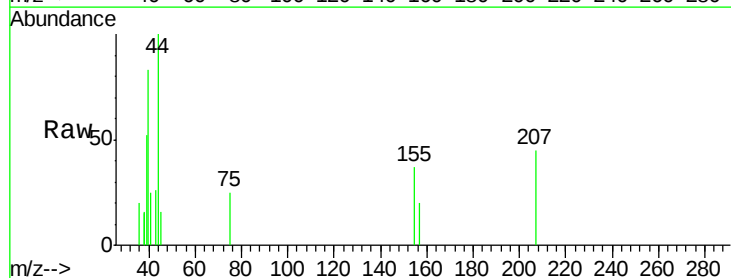
Tgt Ion: 75 Resp: 290

Ion Ratio Lower Upper

75 100

155 193.1 50.1 150.3#

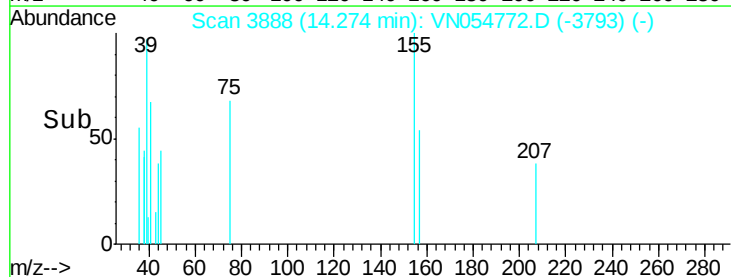
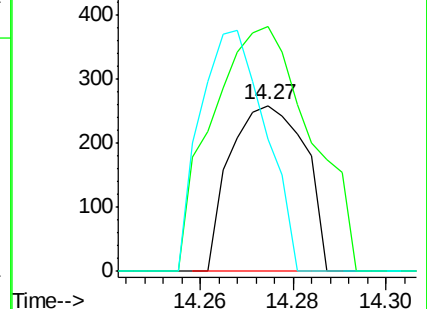
157 125.5 63.1 189.3

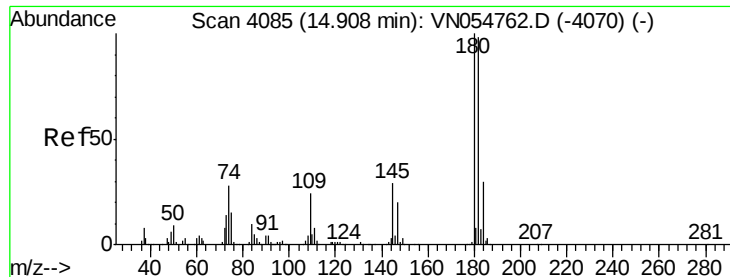


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

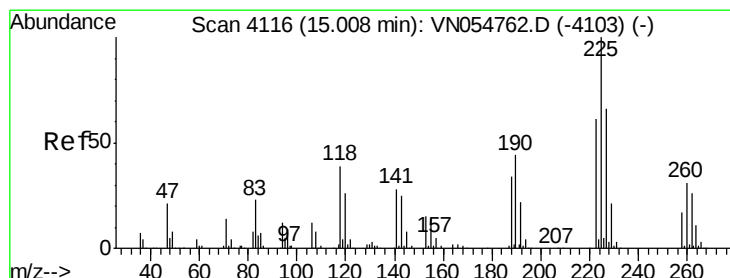
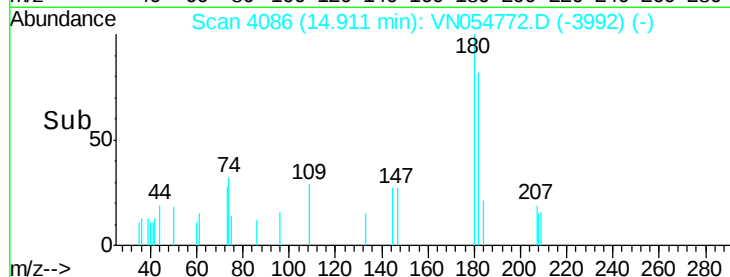
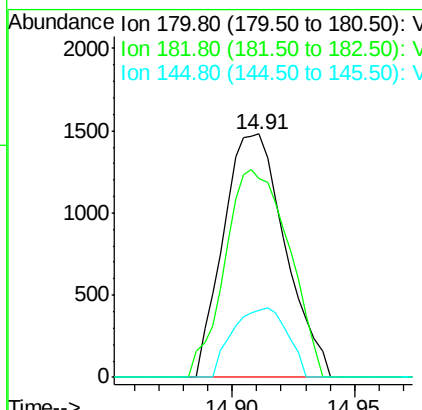
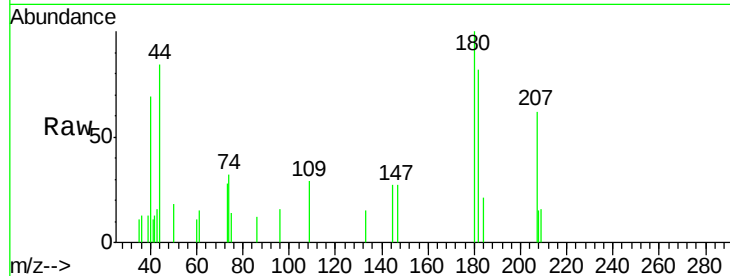




#93
 1,2,4-Trichlorobenzene
 Concen: 0.802 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

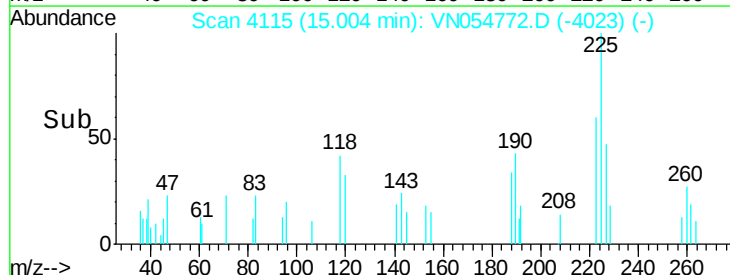
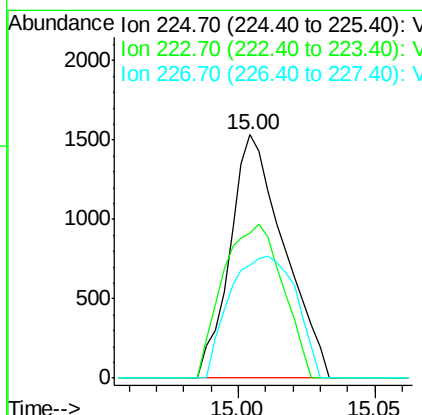
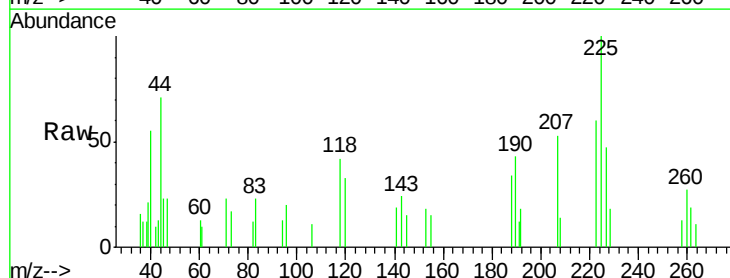
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

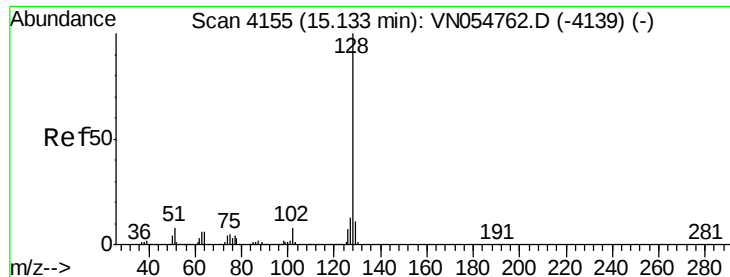
Tgt Ion:180 Resp: 2604
 Ion Ratio Lower Upper
 180 100
 182 88.4 48.0 144.2
 145 25.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN054772.D
 Acq: 29 Mar 2019 16:13

Tgt Ion:225 Resp: 2107
 Ion Ratio Lower Upper
 225 100
 223 70.1 31.1 93.5
 227 61.9 31.9 95.9





#95

Naphthalene

Concen: 0.944 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

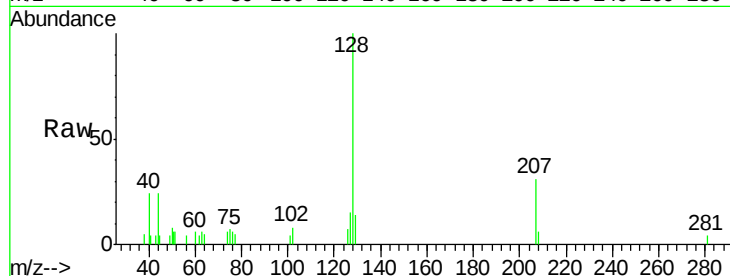
Tgt Ion:128 Resp: 6877

Ion Ratio Lower Upper

128 100

127 11.2 10.1 15.1

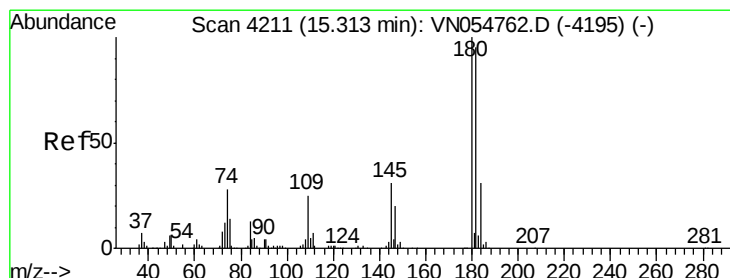
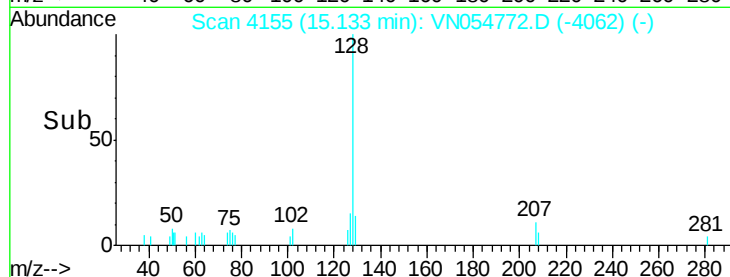
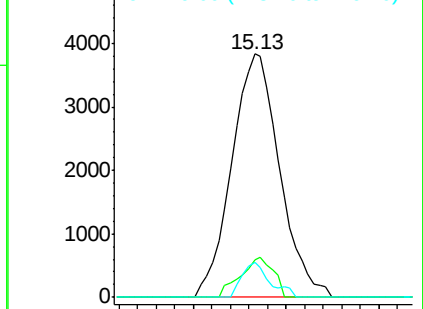
129 8.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.014 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054772.D

Acq: 29 Mar 2019 16:13

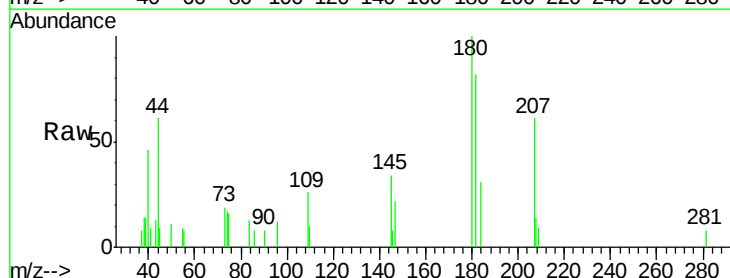
Tgt Ion:180 Resp: 3326

Ion Ratio Lower Upper

180 100

182 81.8 47.5 142.6

145 23.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

