

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055049.D
 Acq On : 15 Apr 2019 18:15
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Quant Time: Apr 16 05:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	377333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	632898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171331	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	266062	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	7.59	113	213146	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.09	98	763941	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	228639	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	2767	0.645	ug/l	99
3) Chloromethane	2.06	50	3764	0.673	ug/l	93
4) Vinyl Chloride	2.19	62	2666	0.567	ug/l	90
5) Bromomethane	2.55	94	2437	0.916	ug/l	93
6) Chloroethane	2.69	64	2078	0.820	ug/l #	87
7) Trichlorofluoromethane	3.02	101	4026	0.685	ug/l #	80
8) Diethyl Ether	3.41	74	1226	0.653	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2064	0.671	ug/l	92
10) Methyl Iodide	3.94	142	13569	2.842	ug/l	95
11) Tert butyl alcohol	4.82	59	885	3.219	ug/l	98
12) 1,1-Dichloroethene	3.73	96	2137	0.714	ug/l #	65
13) Acrolein	3.60	56	5688	16.738	ug/l	94
14) Allyl chloride	4.31	41	3529	0.481	ug/l #	73
15) Acrylonitrile	4.99	53	5010	3.046	ug/l #	56
16) Acetone	3.82	43	4357	3.201	ug/l	99
17) Carbon Disulfide	4.04	76	5890	0.609	ug/l #	75
18) Methyl Acetate	4.33	43	5074	0.864	ug/l #	80
19) Methyl tert-butyl Ether	5.04	73	2890	0.270	ug/l #	74
20) Methylene Chloride	4.55	84	4181	0.874	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	2324	0.574	ug/l #	71
22) Diisopropyl ether	5.97	45	8685	0.576	ug/l #	84
23) Vinyl Acetate	5.91	43	26809	2.691	ug/l	96
24) 1,1-Dichloroethane	5.84	63	5003	0.623	ug/l #	85
25) 2-Butanone	6.85	43	3255	1.602	ug/l	99
26) 2,2-Dichloropropane	6.82	77	3044	0.601	ug/l #	65
27) cis-1,2-Dichloroethene	6.82	96	3222	0.703	ug/l	87
28) Bromochloromethane	7.19	49	2457	0.635	ug/l #	92
29) Tetrahydrofuran	7.23	42	4817	3.615	ug/l #	76
30) Chloroform	7.37	83	5115	0.656	ug/l	93
31) Cyclohexane	7.66	56	12292	0.495	ug/l #	39
32) 1,1,1-Trichloroethane	7.56	97	3447	0.558	ug/l #	43
36) 1,1-Dichloropropene	7.79	75	3173	0.532	ug/l	99
37) Ethyl Acetate	6.94	43	1335	0.275	ug/l #	71
38) Carbon Tetrachloride	7.77	117	3196	0.563	ug/l	96

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

39) Methylcyclohexane	9.08	83	3836	0.593	ug/l	94
40) Benzene	8.04	78	10862	0.604	ug/l	95
41) Methacrylonitrile	7.18	41	1553	0.576	ug/l #	42
42) 1,2-Dichloroethane	8.12	62	4604	0.737	ug/l	88
43) Isopropyl Acetate	8.17	43	4712	0.630	ug/l #	68
44) Trichloroethene	8.83	130	2497	0.554	ug/l	94
45) 1,2-Dichloropropane	9.12	63	2827	0.564	ug/l	93
46) Dibromomethane	9.21	93	1700	0.596	ug/l	88
47) Bromodichloromethane	9.40	83	3359	0.571	ug/l #	95
48) Methyl methacrylate	9.20	41	3215	0.867	ug/l #	79
49) 1,4-Dioxane	9.20	88	102	2.935	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	12038	2.784	ug/l	99
52) Toluene	10.16	92	6822	0.662	ug/l	92
53) t-1,3-Dichloropropene	10.39	75	2406	0.468	ug/l #	79
54) cis-1,3-Dichloropropene	9.84	75	3208	0.503	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	2450	0.617	ug/l	91
56) Ethyl methacrylate	10.43	69	2774	0.583	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	4159	0.616	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	3953	12.546	ug/l #	88
59) 2-Hexanone	10.75	43	8246	3.036	ug/l	90
60) Dibromochloromethane	10.89	129	985	0.254	ug/l #	27
61) 1,2-Dibromoethane	11.00	107	1996	0.547	ug/l	94
64) Tetrachloroethene	10.63	164	2702	0.612	ug/l	87
65) Chlorobenzene	11.43	112	6471	0.592	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	1945	0.484	ug/l #	53
67) Ethyl Benzene	11.51	91	11427	0.585	ug/l	93
68) m/p-Xylenes	11.62	106	7774	1.100	ug/l	98
69) o-Xylene	11.94	106	4049	0.592	ug/l	97
70) Styrene	11.97	104	6292	0.568	ug/l	96
71) Bromoform	12.13	173	1255	0.545	ug/l #	81
73) Isopropylbenzene	12.25	105	9927	0.653	ug/l	98
74) N-amyl acetate	12.07	43	2014	0.471	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.51	83	2847	0.700	ug/l #	84
76) 1,2,3-Trichloropropane	12.40	75	117134	38.019	ug/l #	100
77) Bromobenzene	12.53	156	2859	0.754	ug/l	88
78) n-propylbenzene	12.59	91	10362	0.631	ug/l	95
79) 2-Chlorotoluene	12.68	91	7071	0.690	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7467	0.609	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	117134	152.032	ug/l #	2
82) 4-Chlorotoluene	12.78	91	7393	0.773	ug/l	81
83) tert-Butylbenzene	12.99	119	7485	0.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	7112	0.612	ug/l	97
85) sec-Butylbenzene	13.17	105	8590	0.651	ug/l	96
86) p-Isopropyltoluene	13.29	119	6944	0.613	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3561	0.618	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	3561	0.648	ug/l	93
89) n-Butylbenzene	13.61	91	4660	0.554	ug/l	96
90) Hexachloroethane	13.87	117	1029	0.558	ug/l #	42
91) 1,2-Dichlorobenzene	13.65	146	3482	0.601	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.26	75	216	0.431	ug/l	63

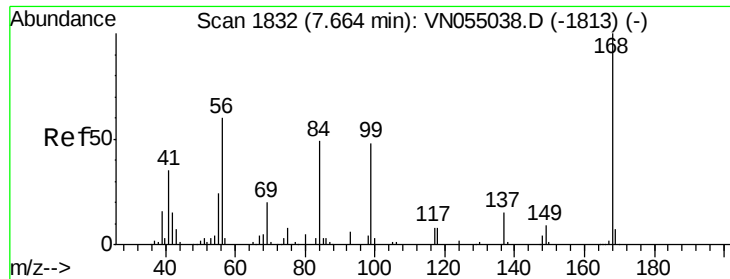
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1659	3.275	ug/l #	74
94) Hexachlorobutadiene	15.01	225	1478	0.826	ug/l	92
95) Naphthalene	15.13	128	3056	3.546	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	1703	0.762	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

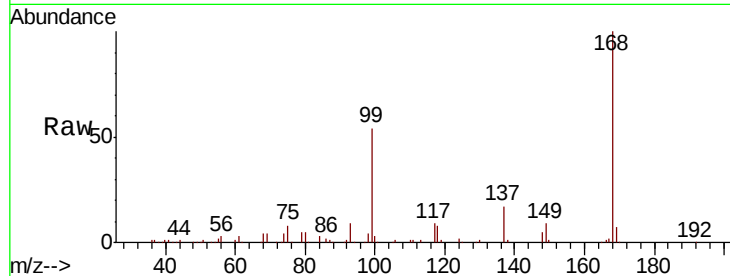
LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 377333

Ion Ratio Lower Upper

168 100

99 53.6 41.9 62.9



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

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

7.66

150000

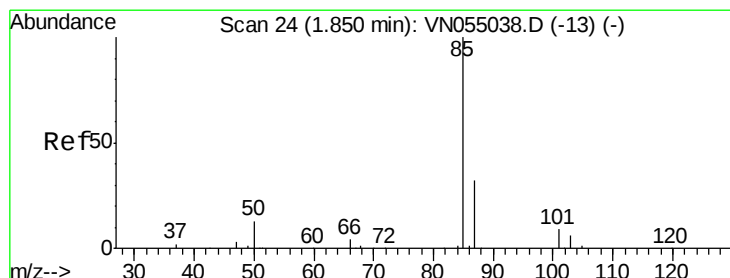
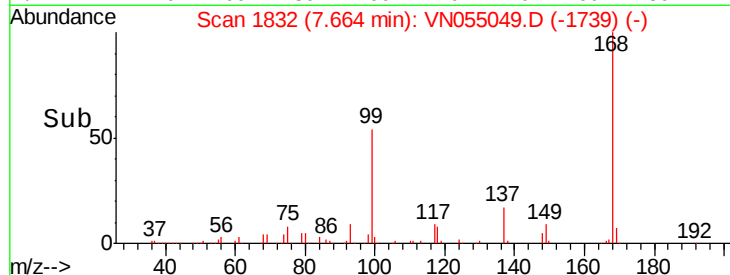
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.645 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055049.D

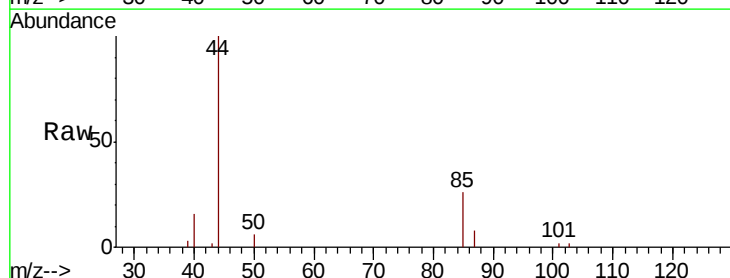
Acq: 15 Apr 2019 18:15

Tgt Ion: 85 Resp: 2767

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



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

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

1.85

2000

1500

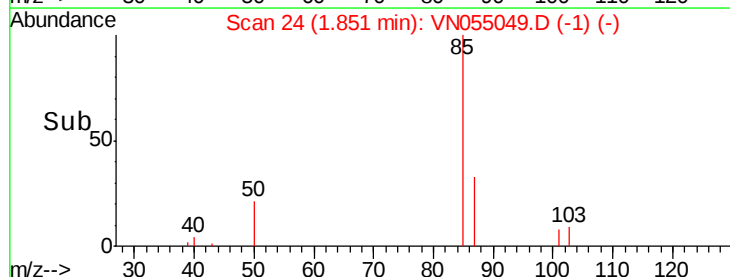
1000

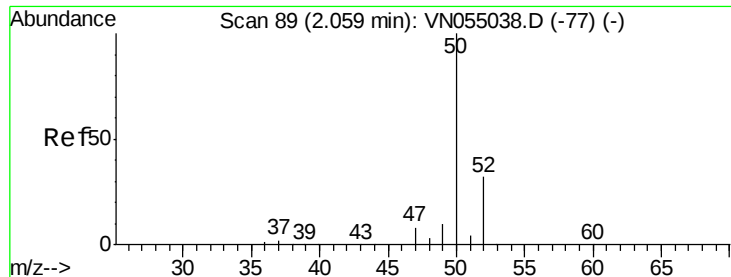
500

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 0.673 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

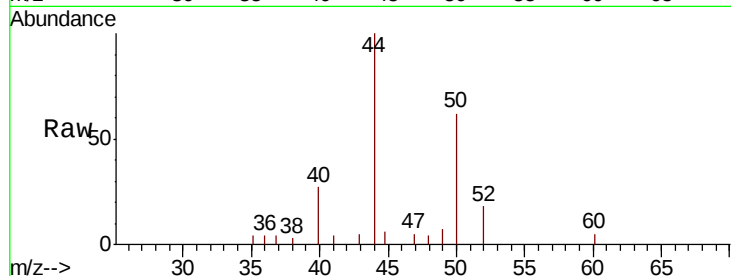
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 3764

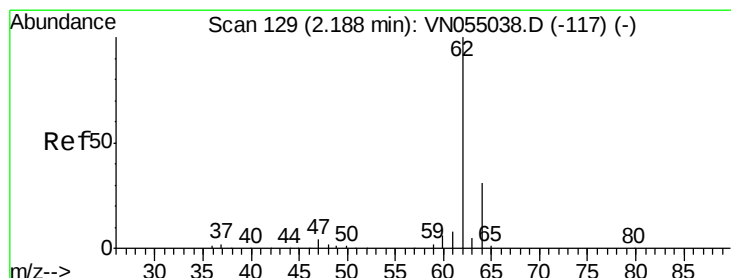
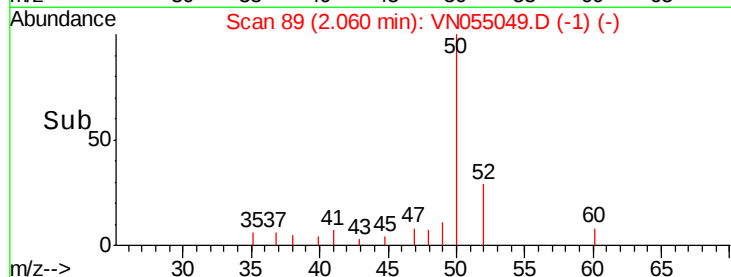
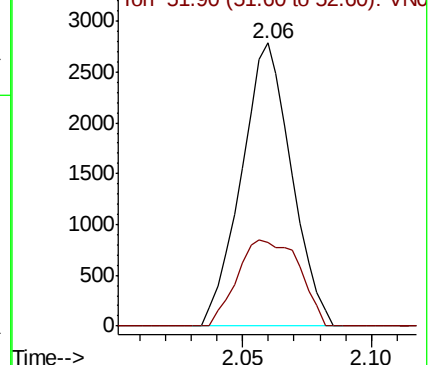
Ion Ratio Lower Upper

50 100

52 29.4 26.6 40.0



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



#4

Vinyl Chloride

Concen: 0.567 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055049.D

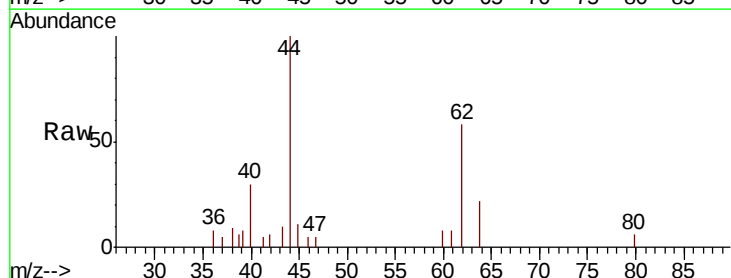
Acq: 15 Apr 2019 18:15

Tgt Ion: 62 Resp: 2666

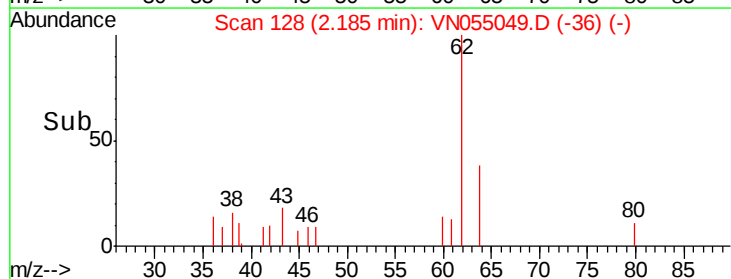
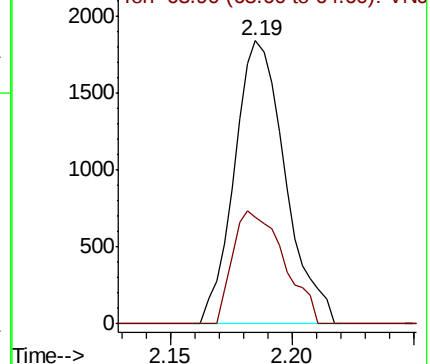
Ion Ratio Lower Upper

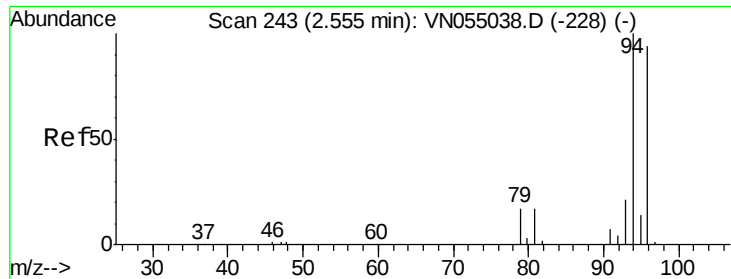
62 100

64 37.8 25.8 38.6



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





#5

Bromomethane

Concen: 0.916 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

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ClientSampleId :

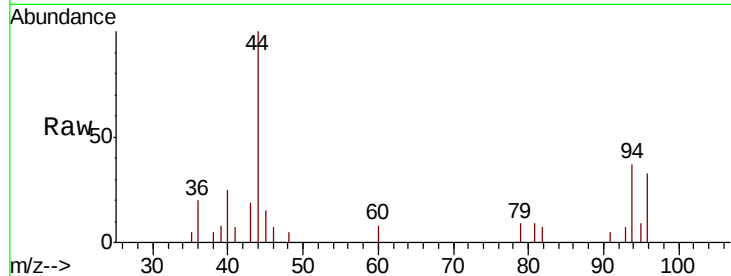
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 2437

Ion Ratio Lower Upper

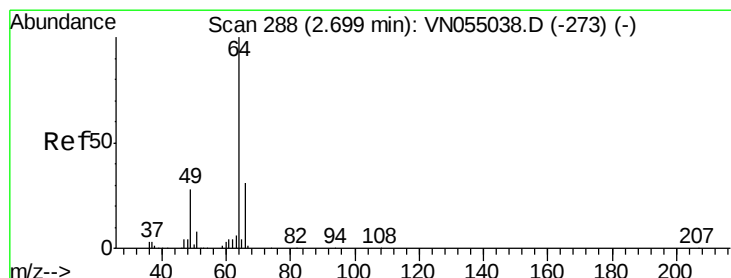
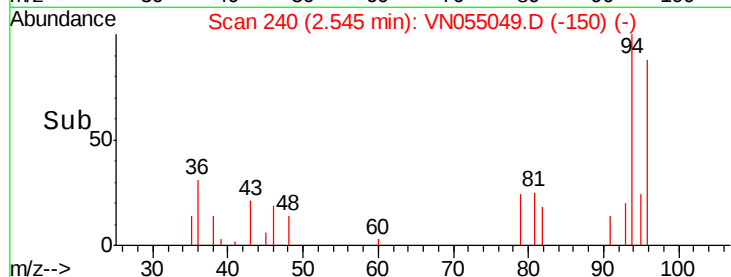
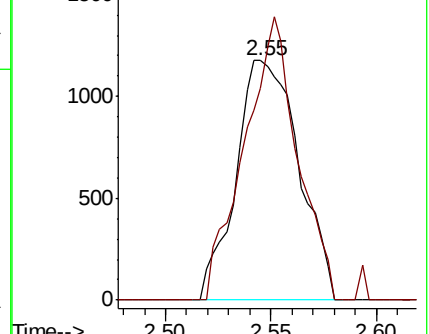
94 100

96 88.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.820 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055049.D

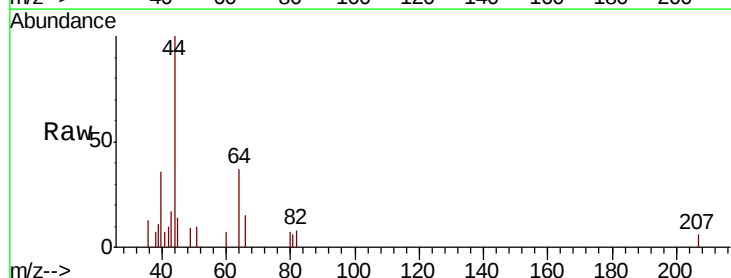
Acq: 15 Apr 2019 18:15

Tgt Ion: 64 Resp: 2078

Ion Ratio Lower Upper

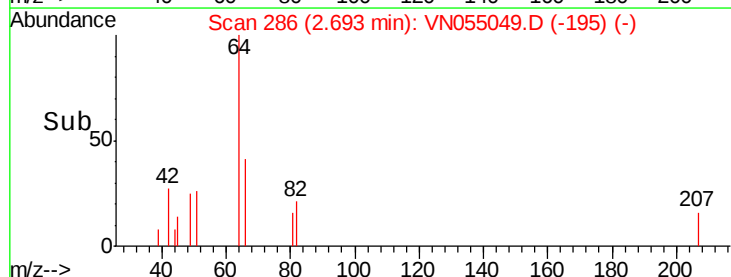
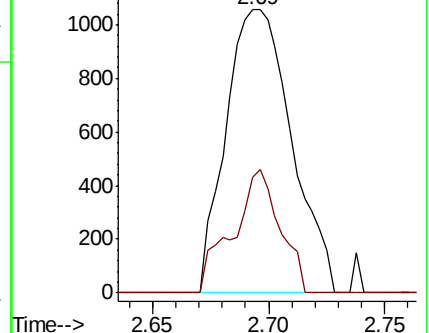
64 100

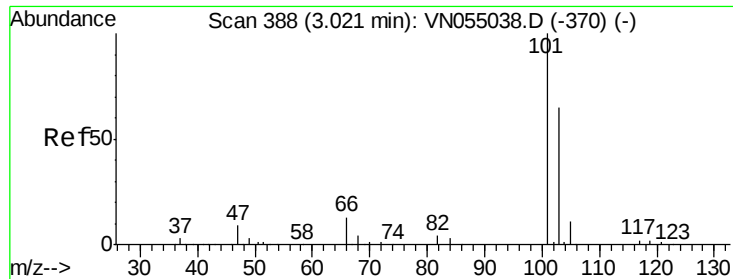
66 40.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



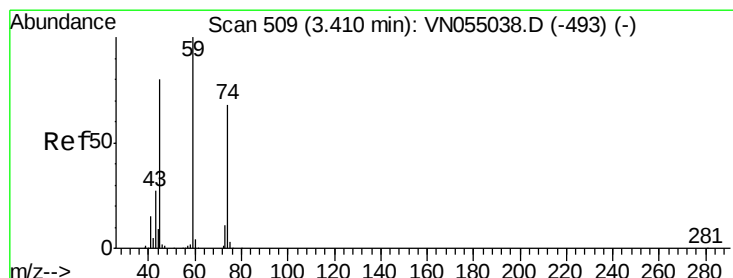
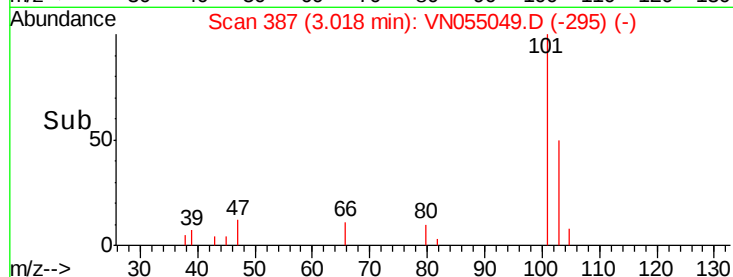
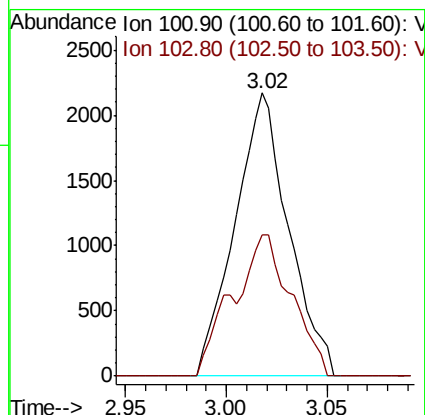
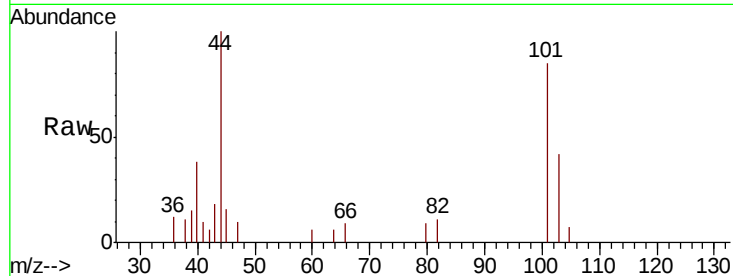


#7

Trichlorofluoromethane
Concen: 0.685 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Instrument :
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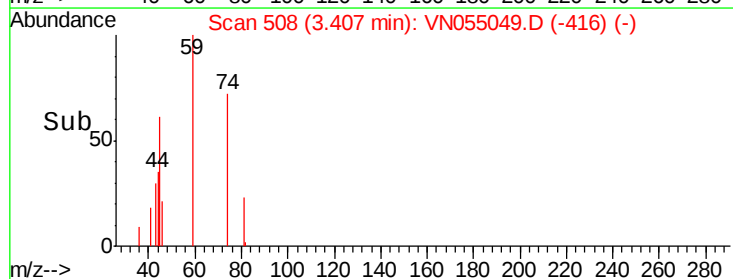
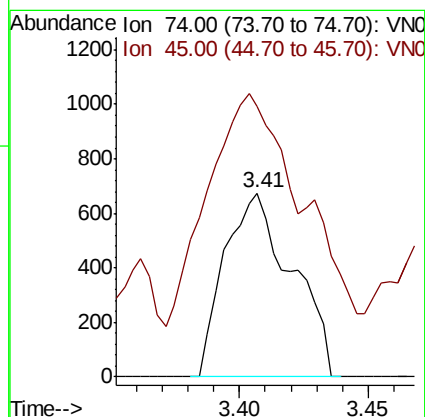
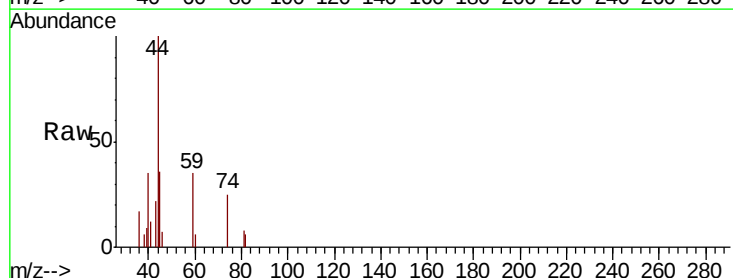
Tot Ion:101 Resp: 4026
Ion Ratio Lower Upper
101 100
103 50.1 52.5 78.7#

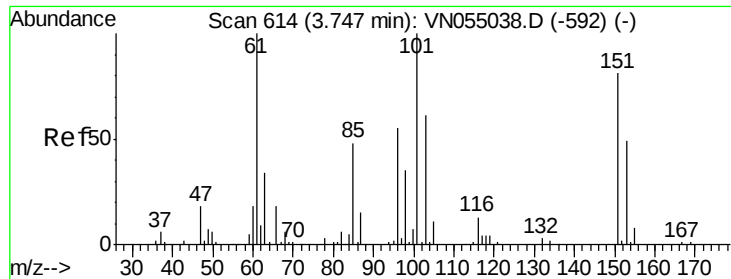


#8

Diethyl Ether
Concen: 0.653 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 74 Resp: 1226
Ion Ratio Lower Upper
74 100
45 171.9 55.7 167.1#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.671 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

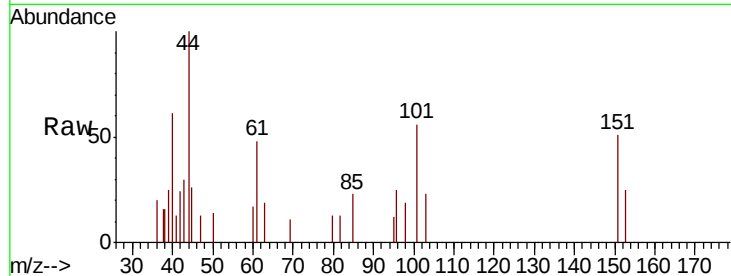
Tot Ion:101 Resp: 2064

Ion Ratio Lower Upper

101 100

85 50.9 36.9 55.3

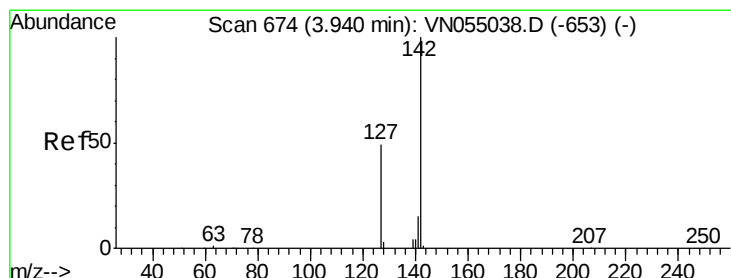
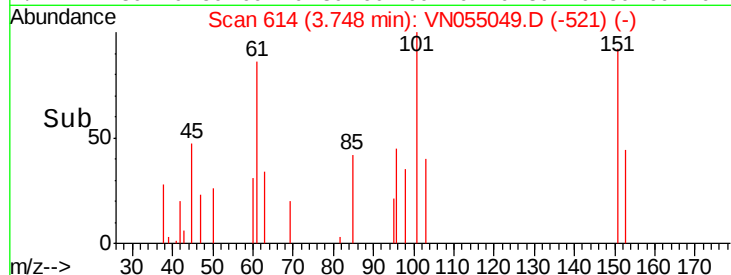
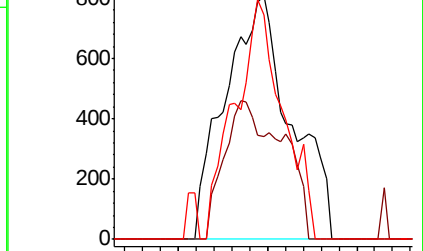
151 72.8 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.842 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

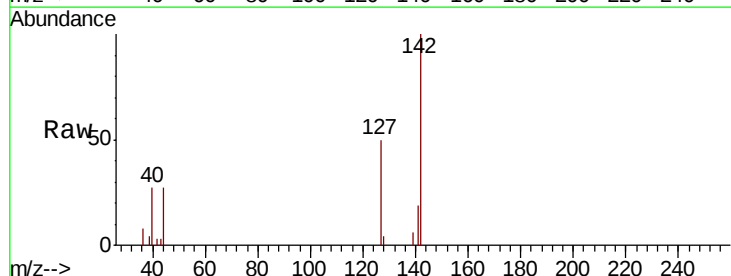
Tgt Ion:142 Resp: 13569

Ion Ratio Lower Upper

142 100

127 43.8 37.9 56.9

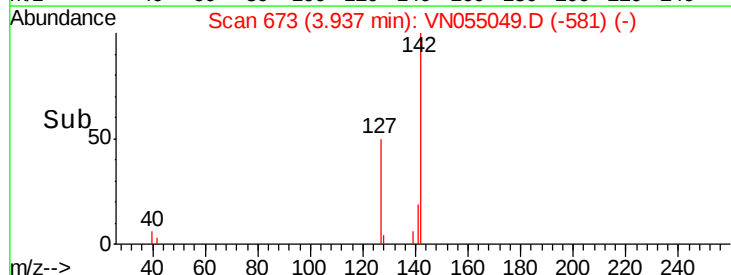
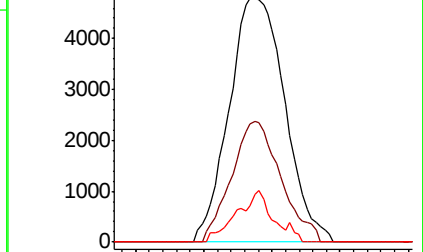
141 13.9 11.8 17.8

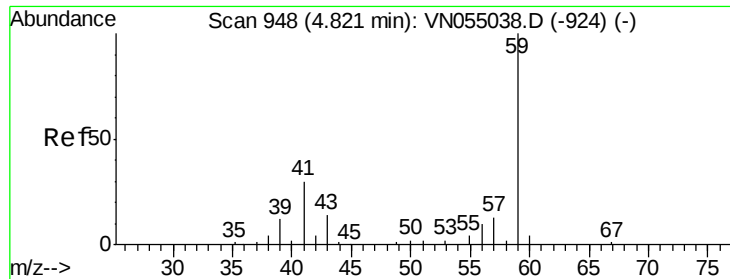


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

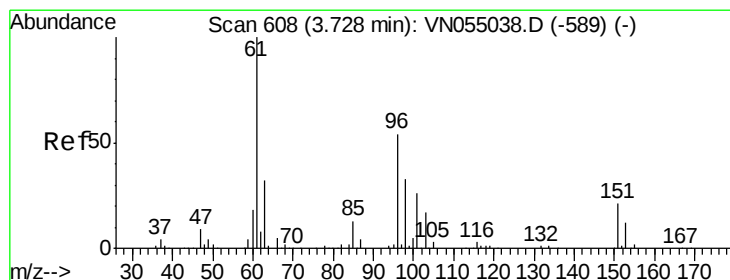
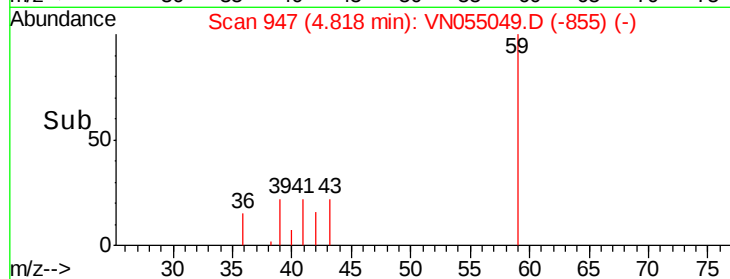
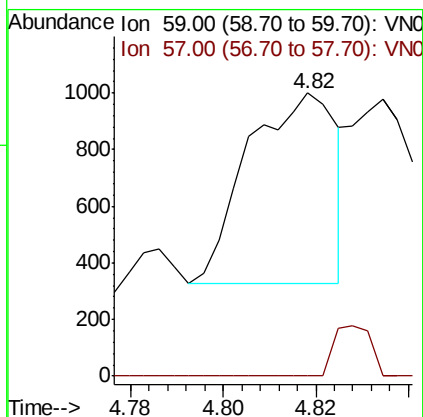
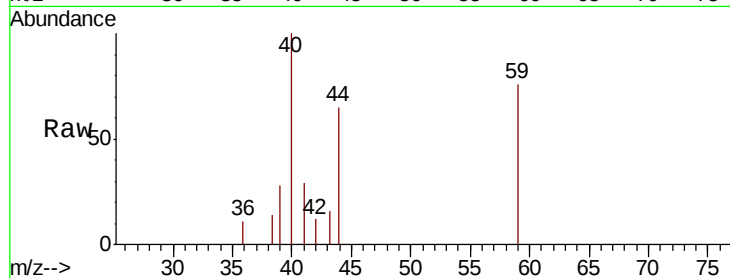




#11
Tert butyl alcohol
Concen: 3.219 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

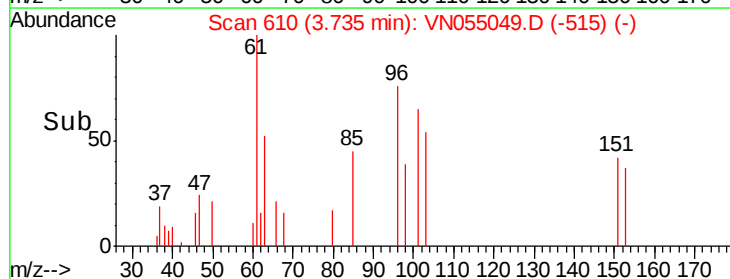
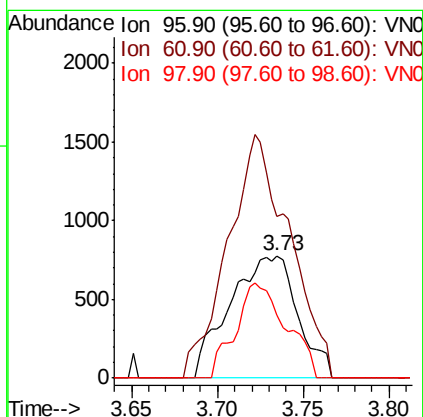
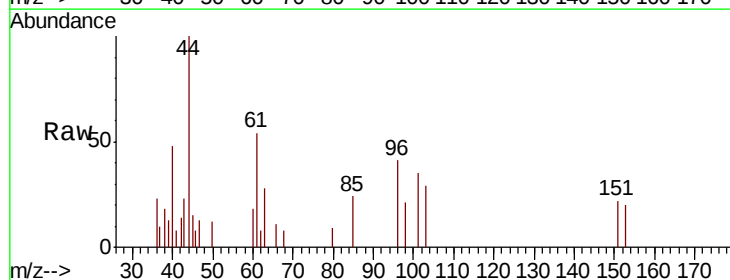
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

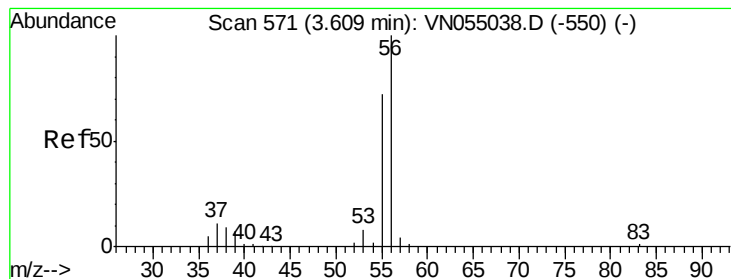
Tot Ion: 59 Resp: 885
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.714 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.01 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 96 Resp: 2137
Ion Ratio Lower Upper
96 100
61 132.3 154.2 231.4#
98 51.5 52.9 79.3#





#13

Acrolein

Concen: 16.738 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

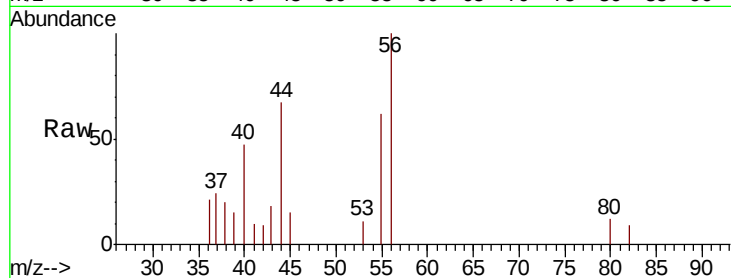
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 5688

Ion Ratio Lower Upper

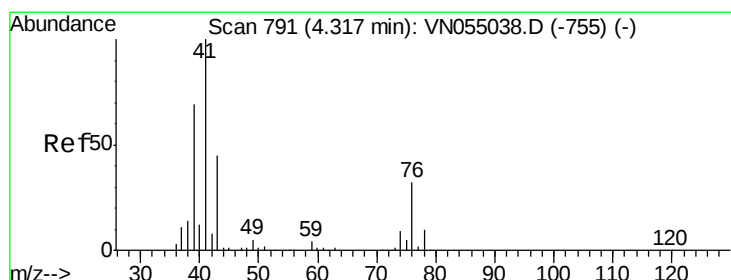
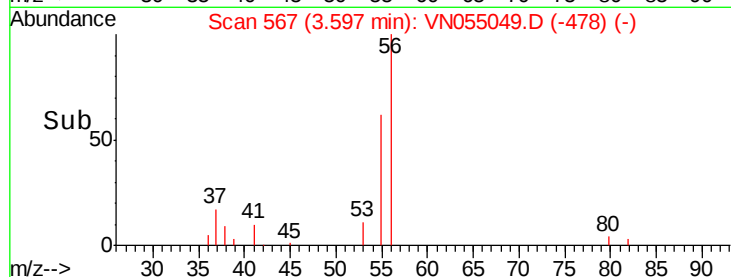
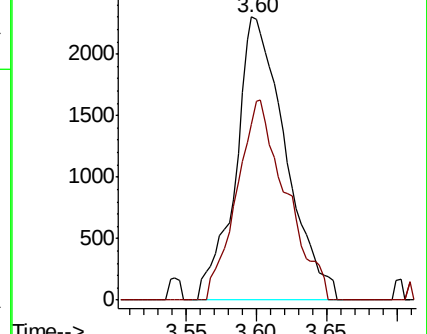
56 100

55 69.7 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.481 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

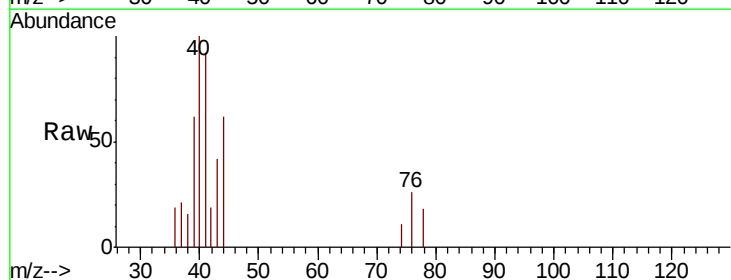
Tgt Ion: 41 Resp: 3529

Ion Ratio Lower Upper

41 100

39 35.5 52.7 79.1#

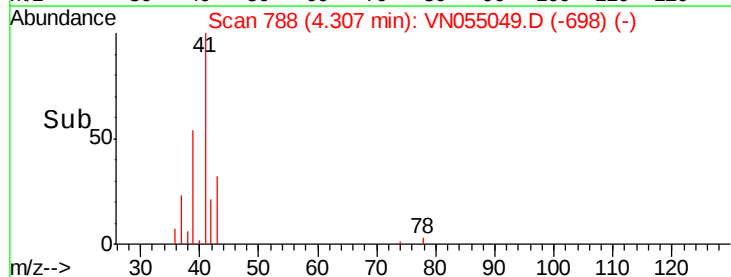
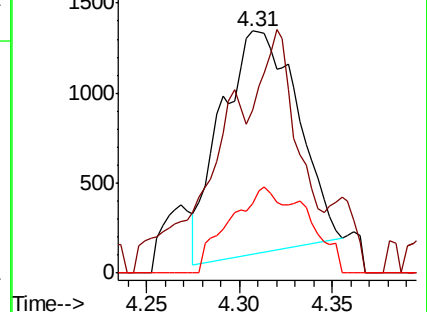
76 27.5 23.2 34.8

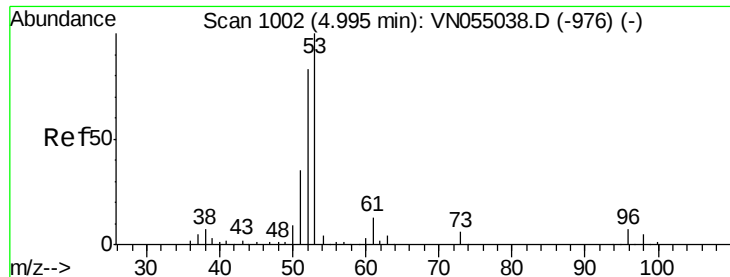


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 3.046 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

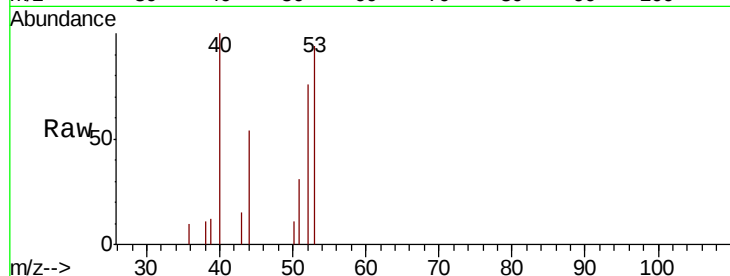
Tot Ion: 53 Resp: 5010

Ion Ratio Lower Upper

53 100

52 37.8 65.9 98.9#

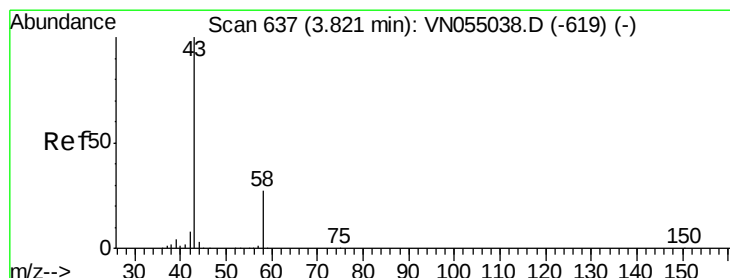
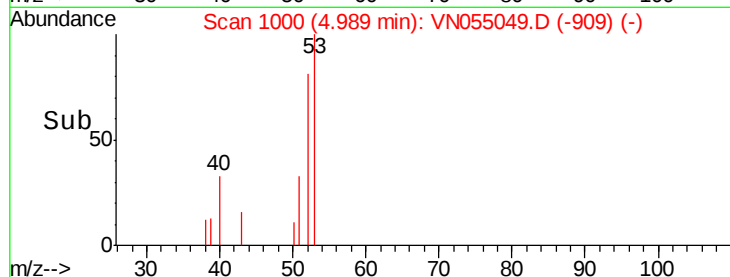
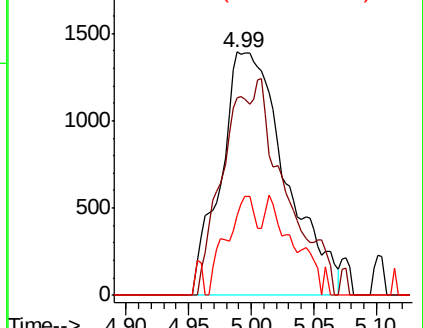
51 18.1 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 3.201 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN055049.D

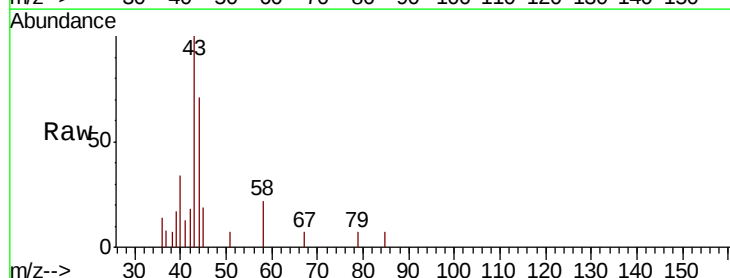
Acq: 15 Apr 2019 18:15

Tgt Ion: 43 Resp: 4357

Ion Ratio Lower Upper

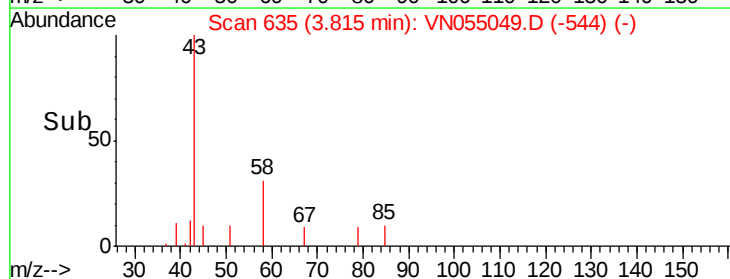
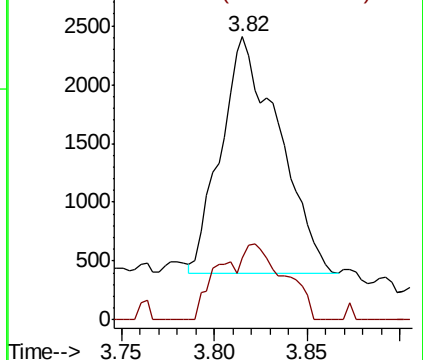
43 100

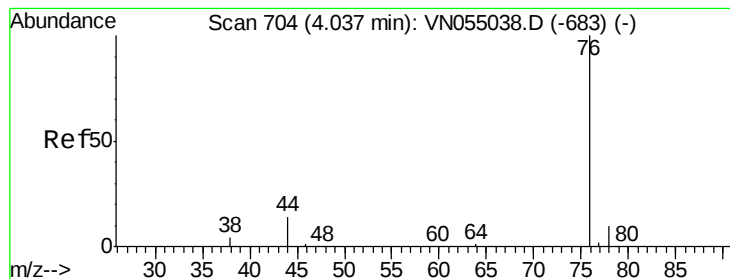
58 26.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.609 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

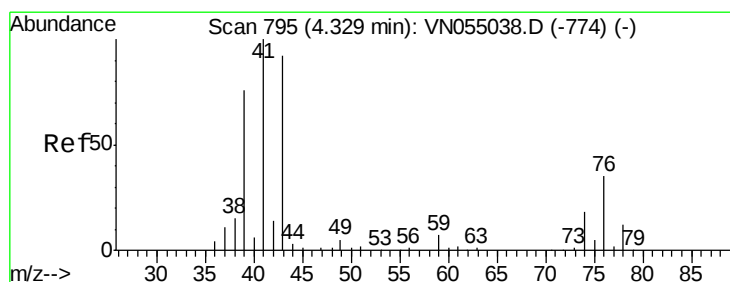
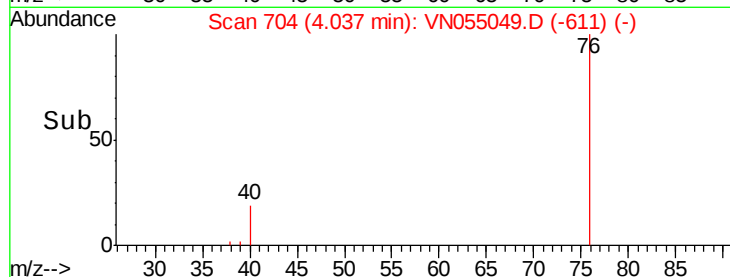
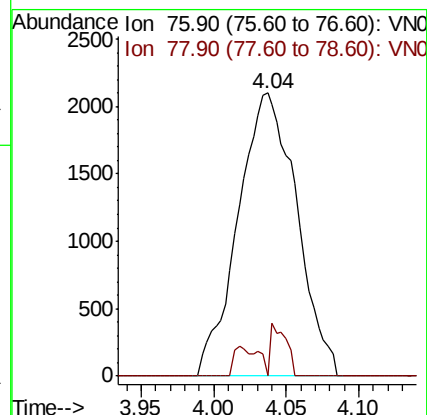
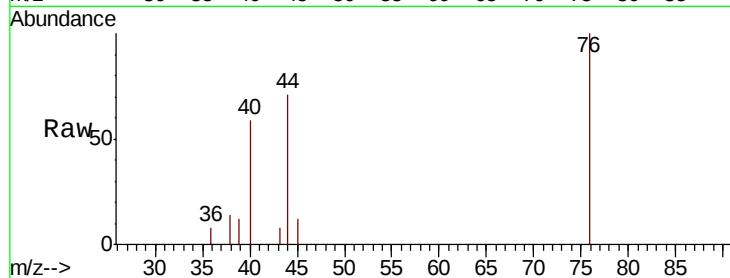
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 5890

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.864 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055049.D

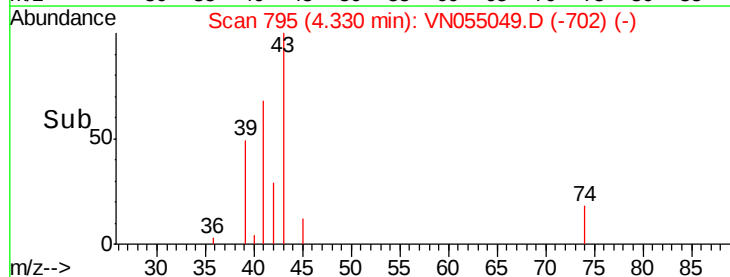
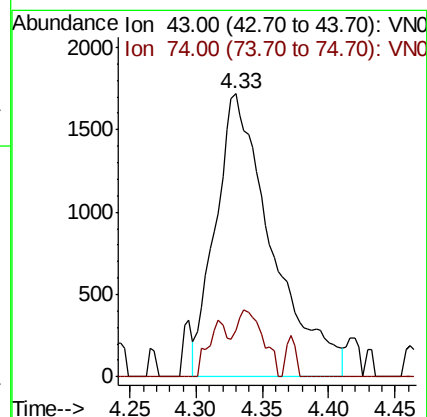
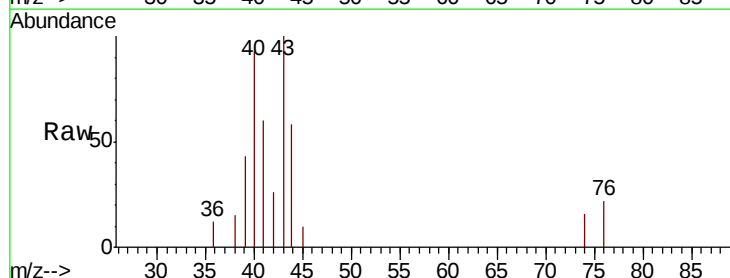
Acq: 15 Apr 2019 18:15

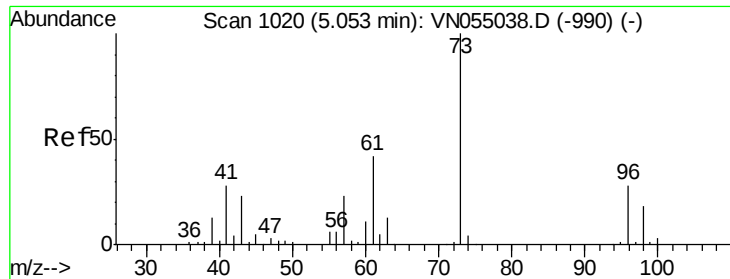
Tgt Ion: 43 Resp: 5074

Ion Ratio Lower Upper

43 100

74 11.1 16.1 24.1#

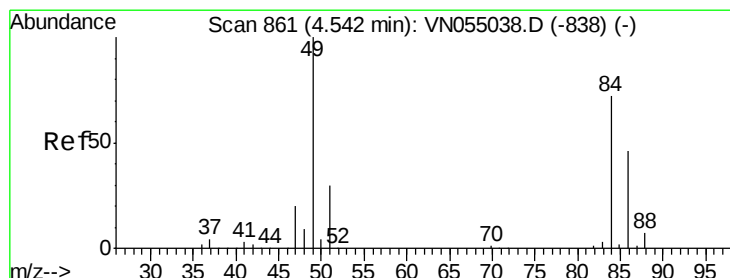
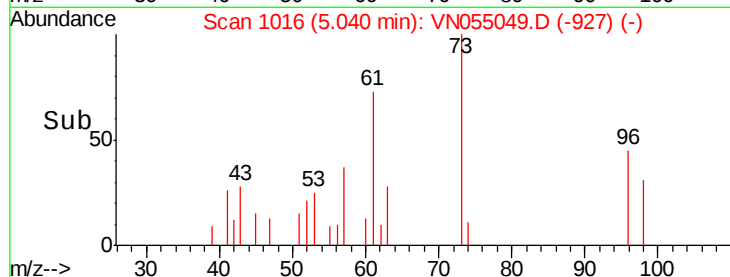
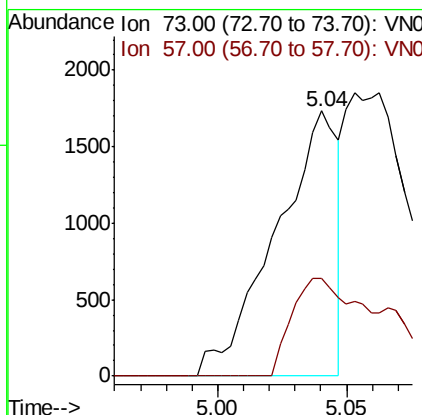
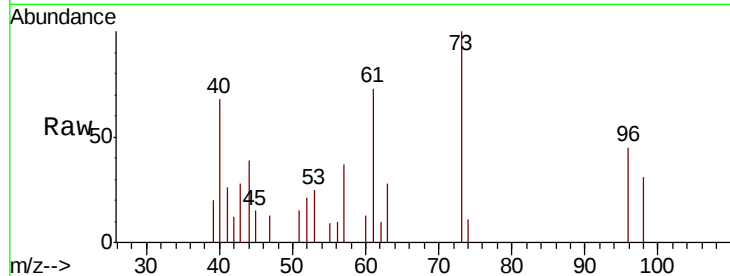




#19
Methvl tert-butvl Ether
Concen: 0.270 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

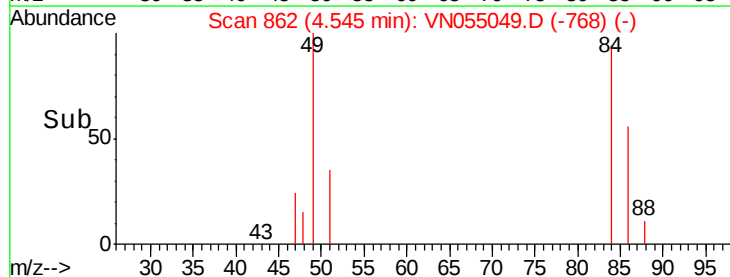
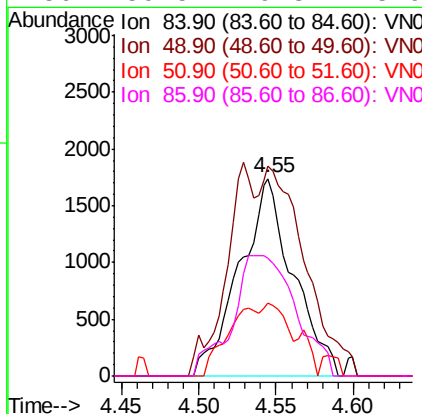
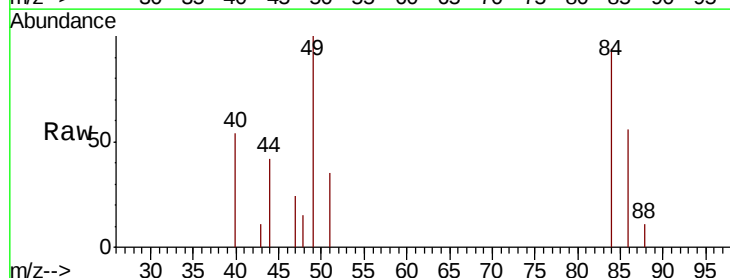
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

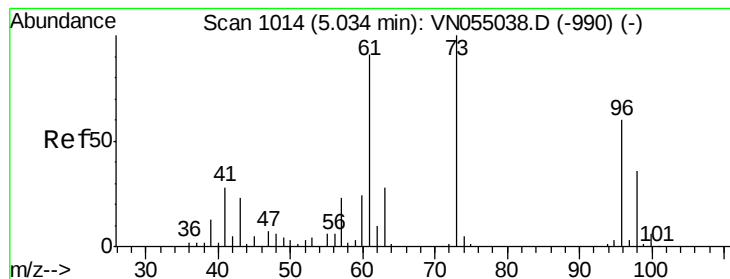
Tot Ion: 73 Resp: 2890
Ion Ratio Lower Upper
73 100
57 36.7 19.0 28.4#



#20
Methylene Chloride
Concen: 0.874 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 84 Resp: 4181
Ion Ratio Lower Upper
84 100
49 105.9 109.4 164.2#
51 37.2 32.2 48.4
86 59.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 0.574 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

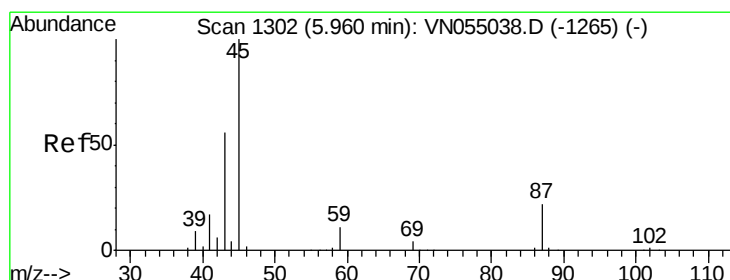
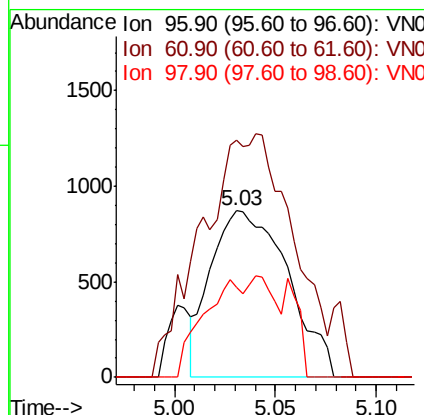
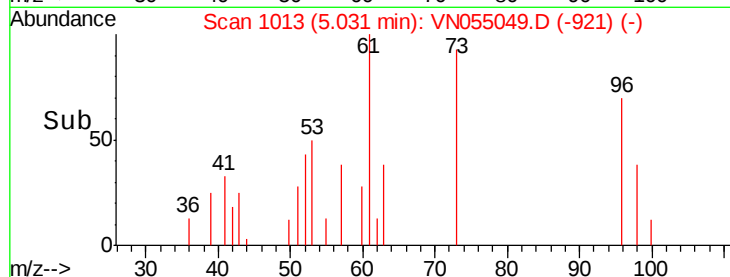
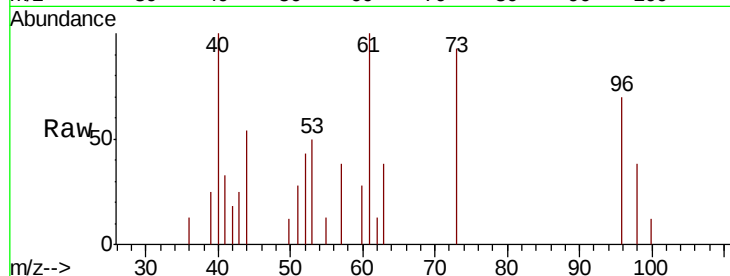
MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 96 Resp: 2324

Ion	Ratio	Lower	Upper
96	100		
61	97.0	114.9	172.3#
98	53.8	48.4	72.6



#22

Diisopropyl ether

Concen: 0.576 ug/l

RT: 5.97 min Scan# 1304

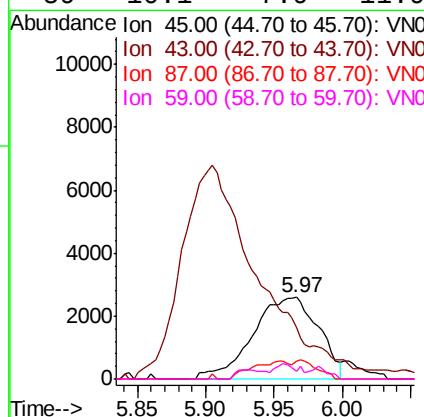
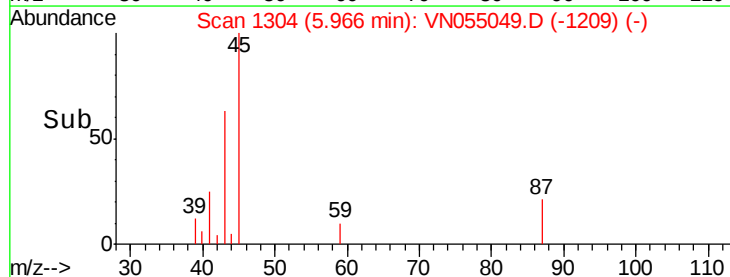
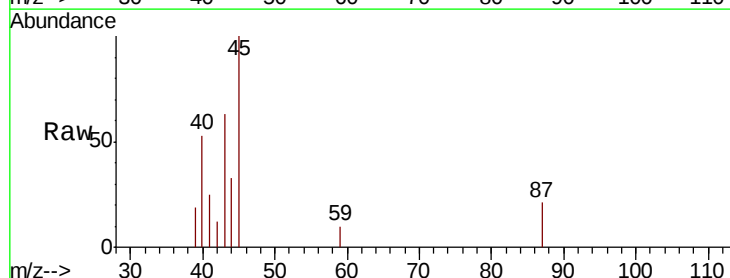
Delta R.T. 0.01 min

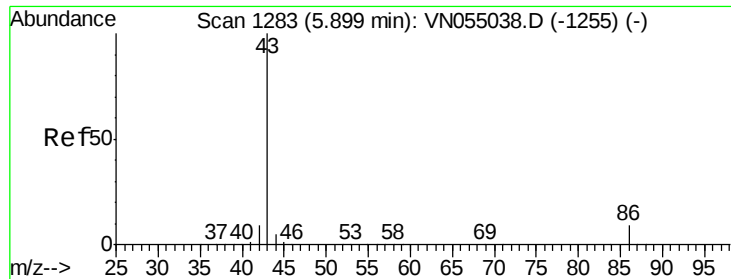
Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Tgt Ion: 45 Resp: 8685

Ion	Ratio	Lower	Upper
45	100		
43	38.4	44.8	67.2#
87	21.2	18.9	28.3
59	10.1	7.9	11.9





#23

Vinyl Acetate

Concen: 2.691 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

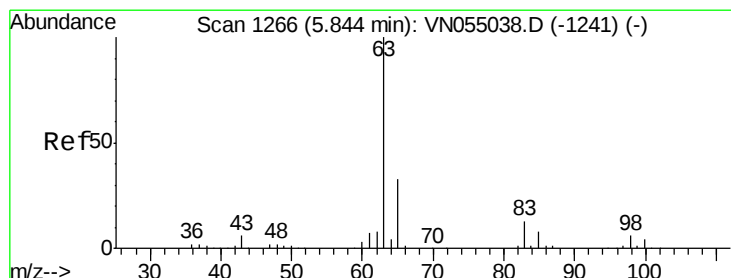
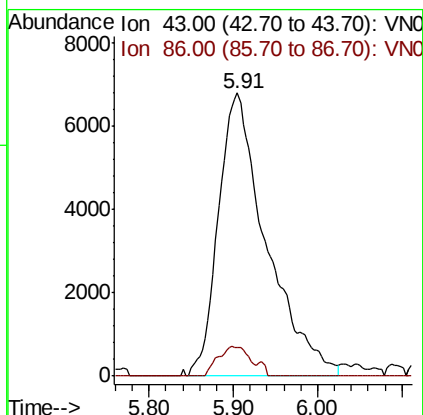
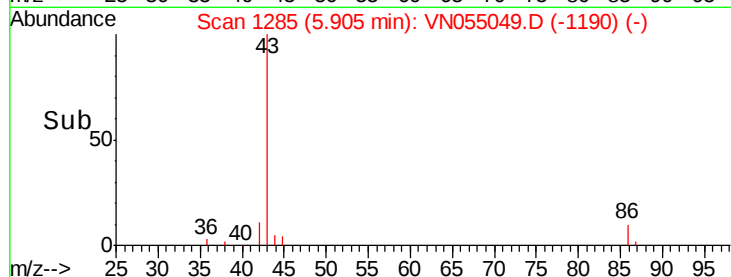
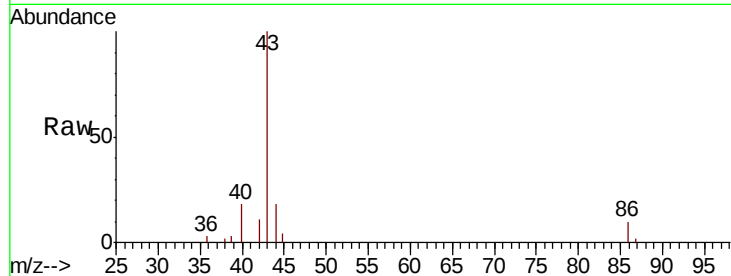
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 26809

Ion Ratio Lower Upper

43 100

86 10.1 7.0 10.4



#24

1,1-Dichloroethane

Concen: 0.623 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

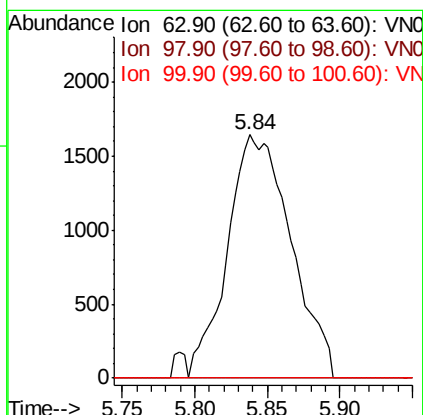
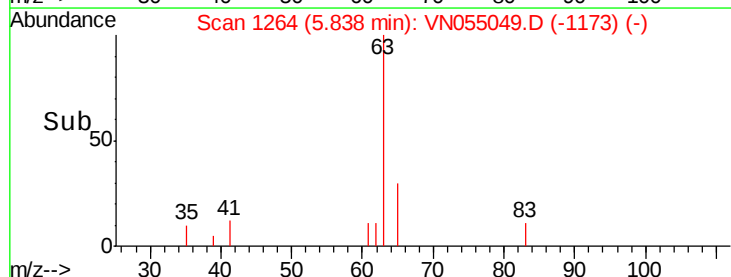
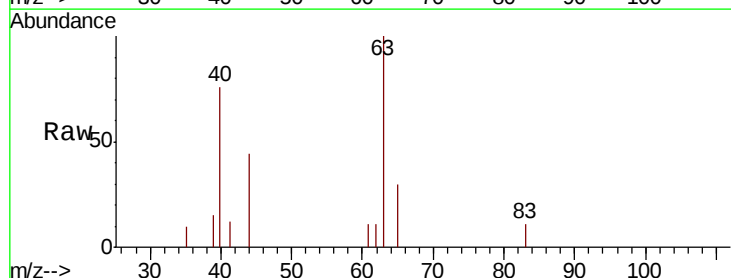
Tgt Ion: 63 Resp: 5003

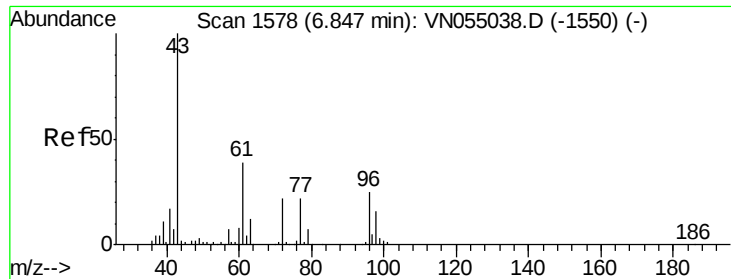
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 2.0 5.8#

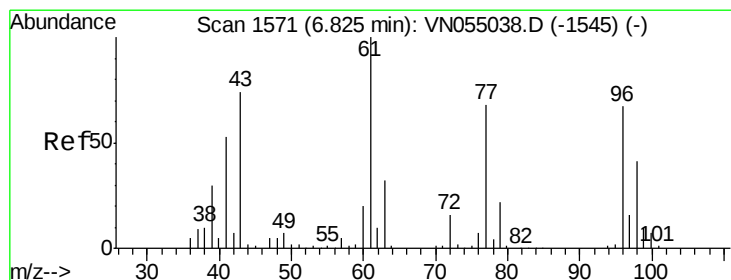
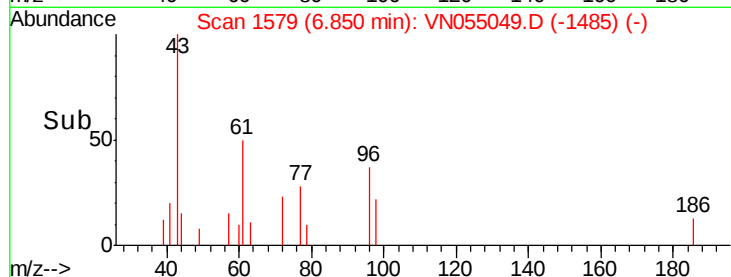
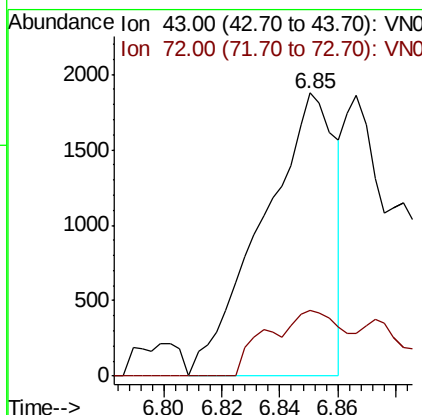
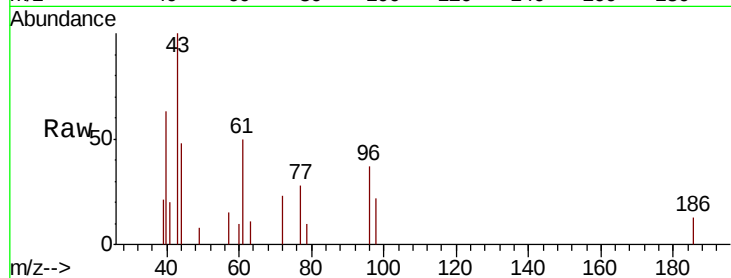




#25
2-Butanone
Concen: 1.602 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

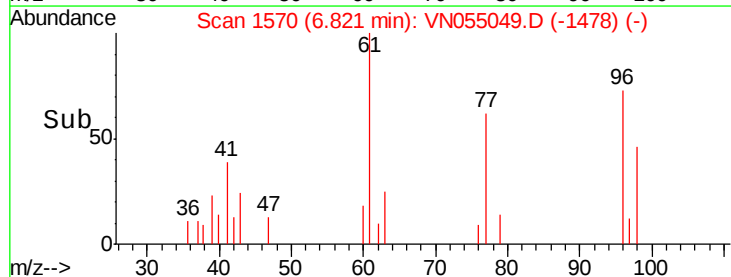
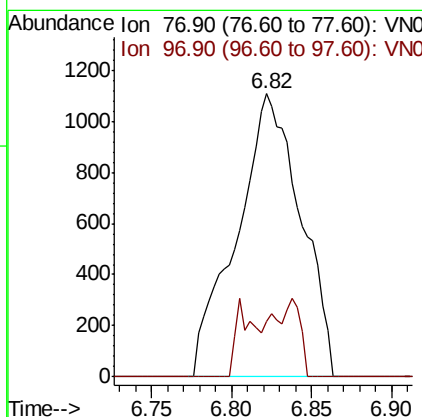
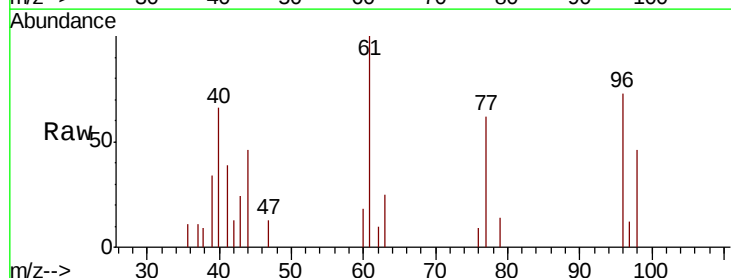
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

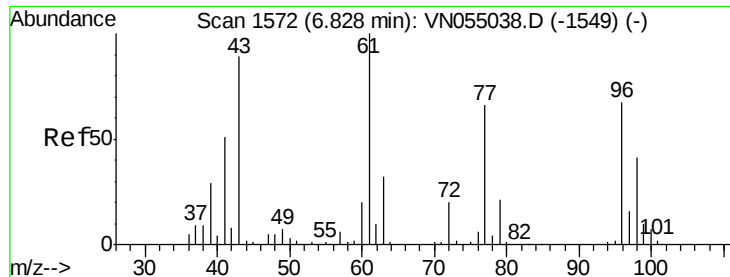
Tot Ion: 43 Resp: 3255
Ion Ratio Lower Upper
43 100
72 23.2 18.1 27.1



#26
2,2-Dichloropropane
Concen: 0.601 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 77 Resp: 3044
Ion Ratio Lower Upper
77 100
97 5.7 11.3 33.9#





#27

cis-1,2-Dichloroethene

Concen: 0.703 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

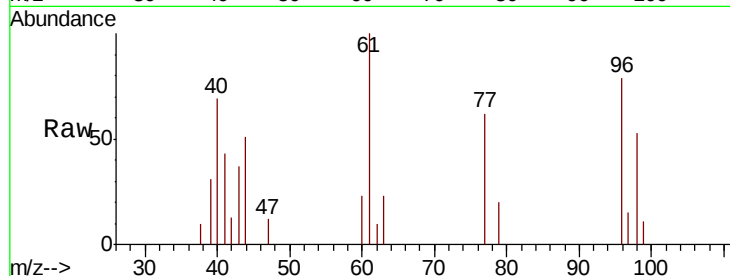
Tot Ion: 96 Resp: 3222

Ion Ratio Lower Upper

96 100

61 146.1 0.0 311.0

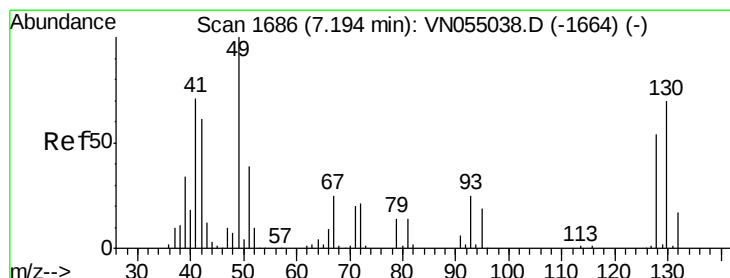
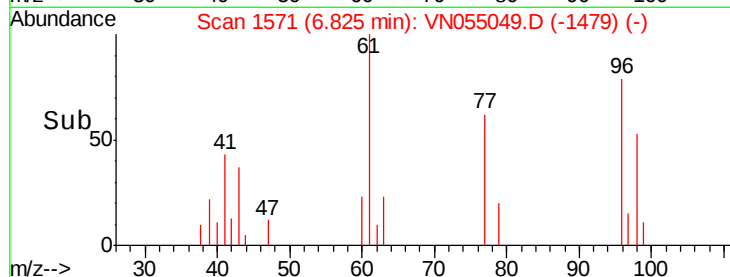
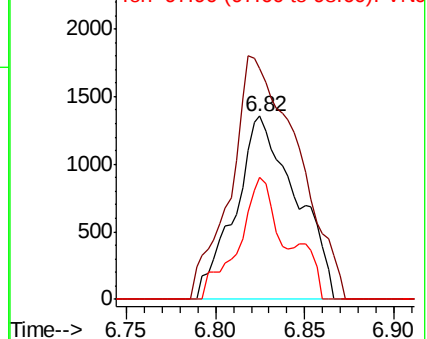
98 42.5 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN055038.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-1549) (-)



#28

Bromochloromethane

Concen: 0.635 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

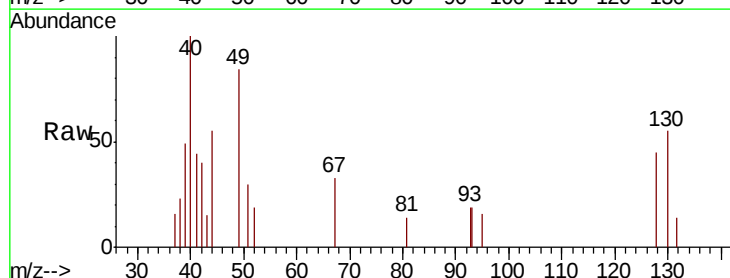
Tgt Ion: 49 Resp: 2457

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

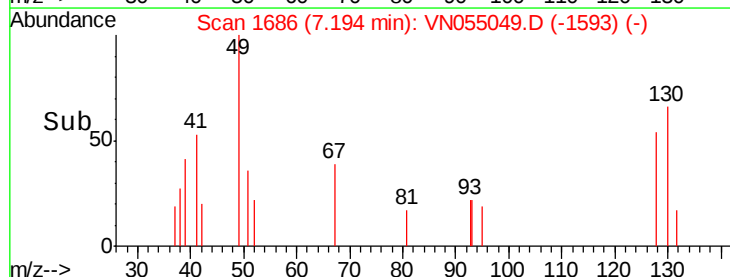
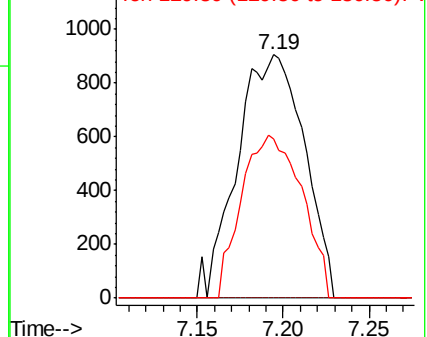
130 60.2 53.4 80.2

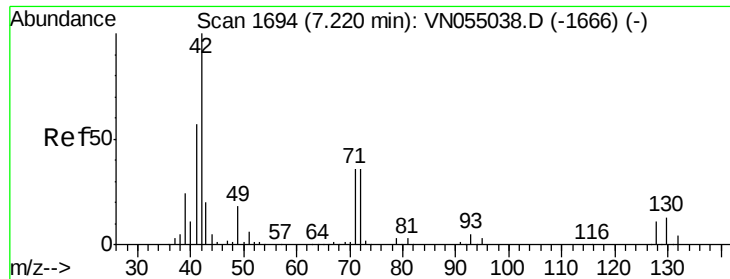


Abundance Ion 48.90 (48.60 to 49.60): VN055038.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055038.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055038.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 3.615 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

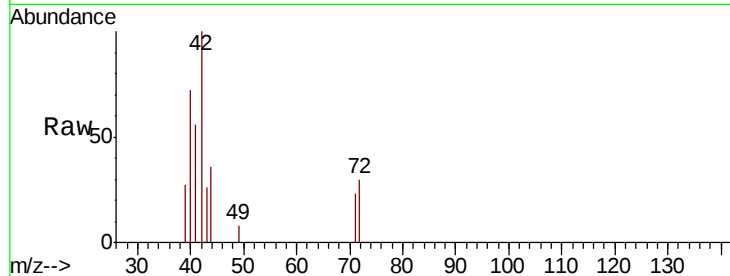
Tot Ion: 42 Resp: 4817

Ion Ratio Lower Upper

42 100

72 26.3 29.4 44.0#

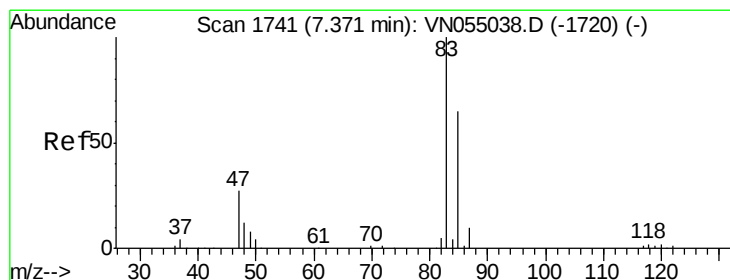
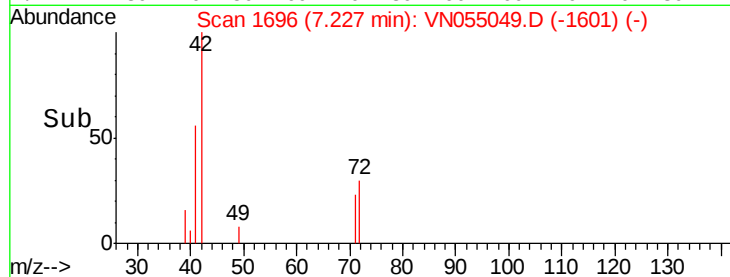
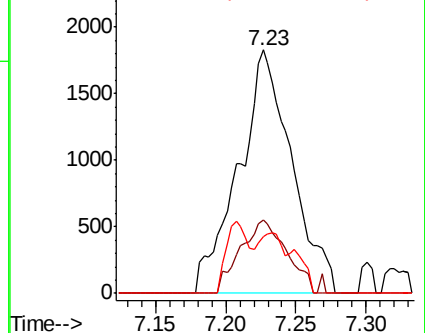
71 16.5 27.8 41.6#



Abundance Ion 42.00 (41.70 to 42.70): VN055038.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN055038.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN055038.D (-1666) (-)



#30

Chloroform

Concen: 0.656 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN055049.D

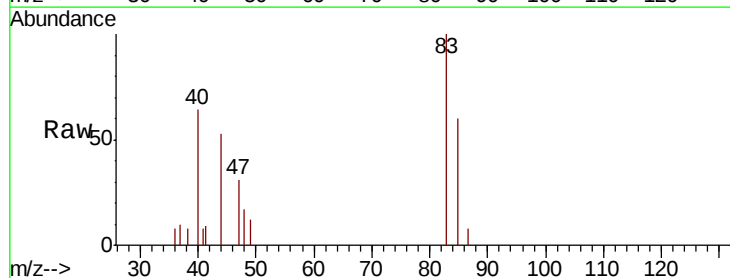
Acq: 15 Apr 2019 18:15

Tgt Ion: 83 Resp: 5115

Ion Ratio Lower Upper

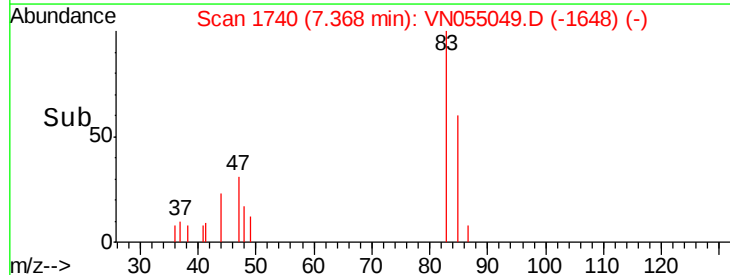
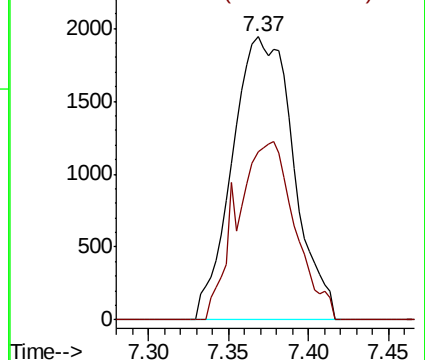
83 100

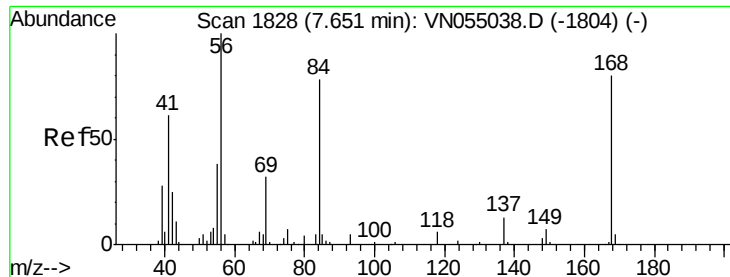
85 59.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN055038.D (-1720) (-)





#31

Cyclohexane

Concen: 0.495 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

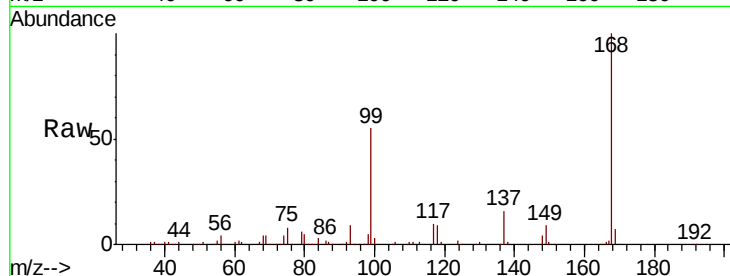
Tot Ion: 56 Resp: 12292

Ion Ratio Lower Upper

56 100

69 116.2 24.5 36.7#

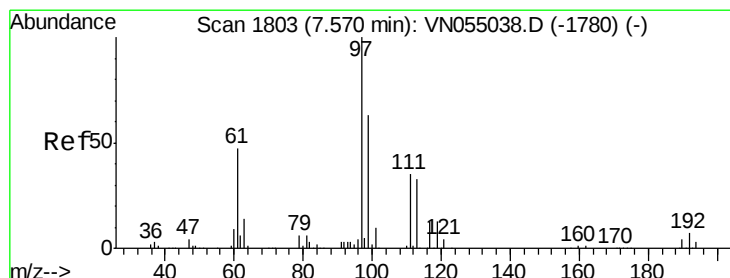
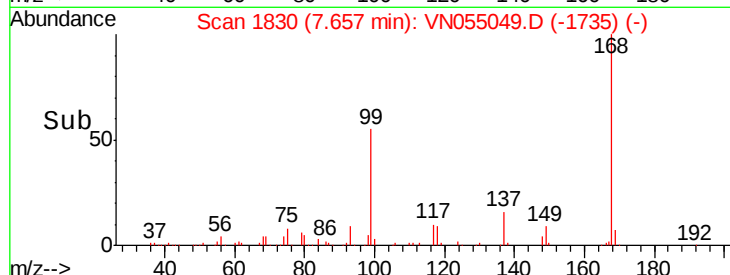
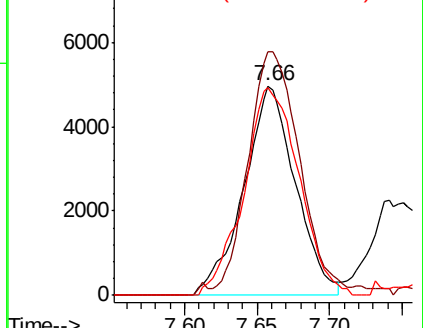
84 99.1 62.9 94.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN055038.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 0.558 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

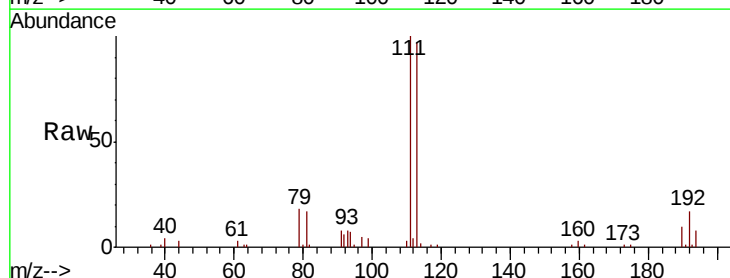
Tgt Ion: 97 Resp: 3447

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

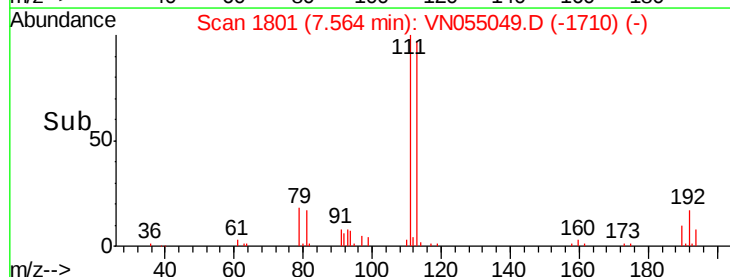
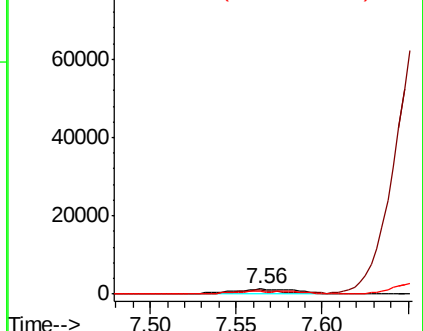
61 32.1 38.3 57.5#

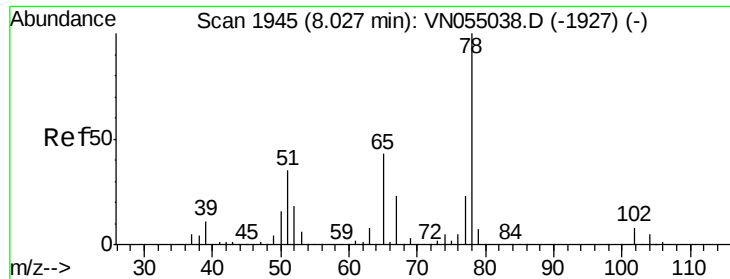


Abundance Ion 96.90 (96.60 to 97.60): VN055038.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1780) (-)





#33

1,2-Dichloroethane-d4

Concen: 53.046 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

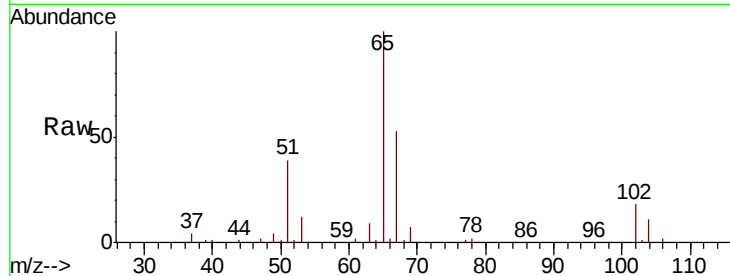
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 65 Resp: 266062

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055038.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055038.D (-1927) (-)

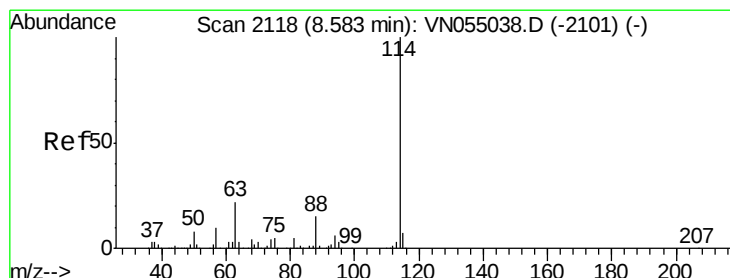
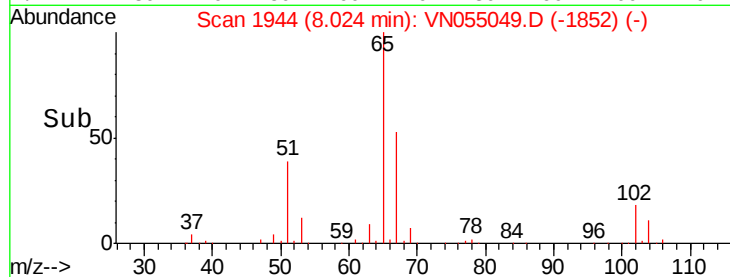
8.02

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

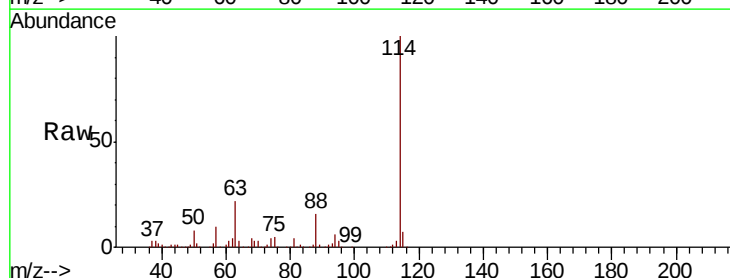
Tgt Ion: 114 Resp: 632898

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 15.5 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): VN055038.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055038.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055038.D (-2101) (-)

8.58

400000

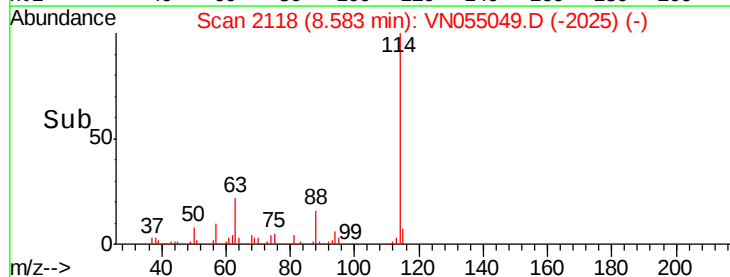
300000

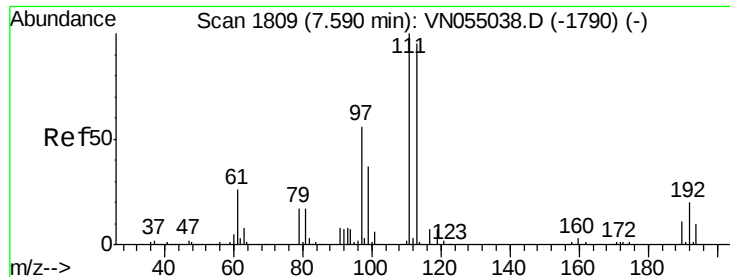
200000

100000

0

Time--> 8.50 8.60 8.70

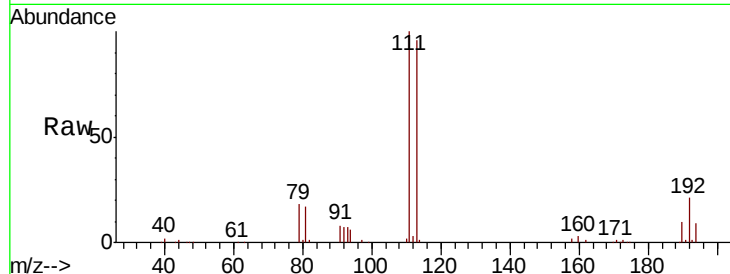




#35
 Dibromofluoromethane
 Concen: 50.393 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	21.1	16.5	24.7

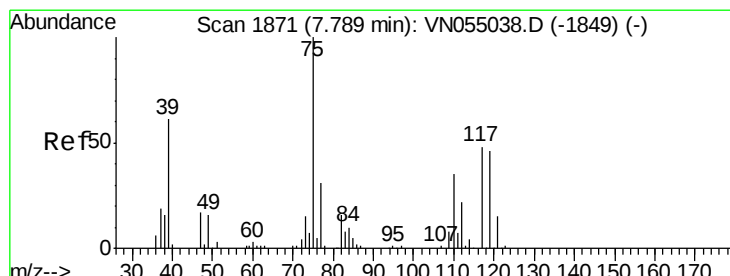
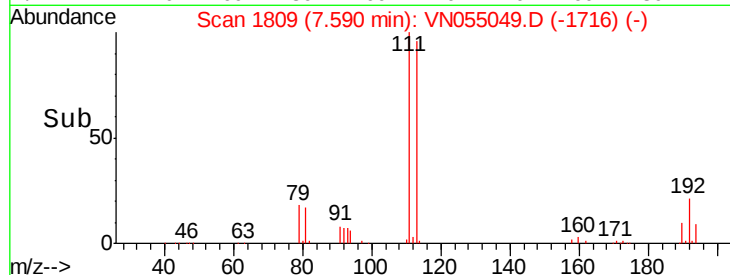
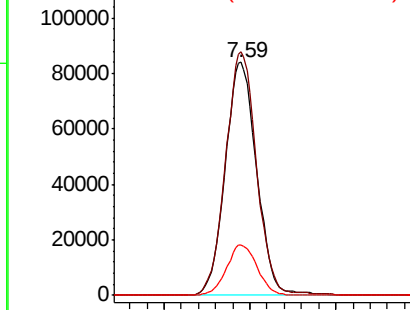


Abundance

Ion 112.80 (112.50 to 113.50): V

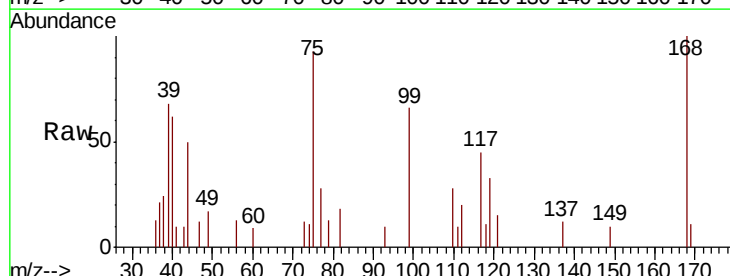
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 0.532 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.5	52.5
77	30.9	24.9	37.3

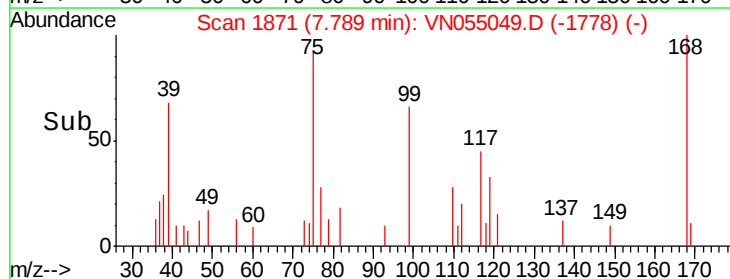
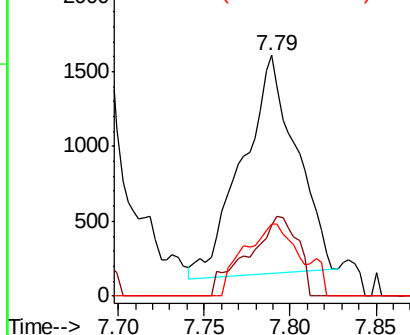


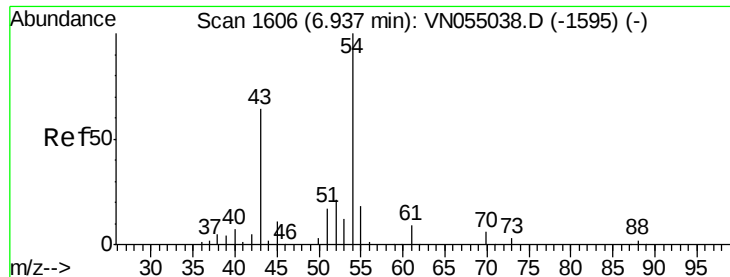
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

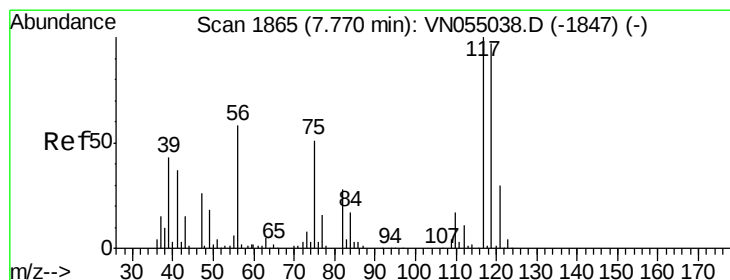
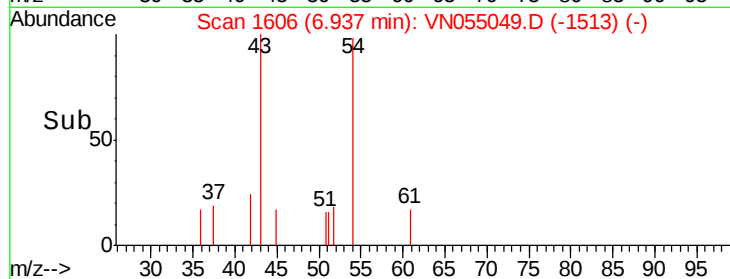
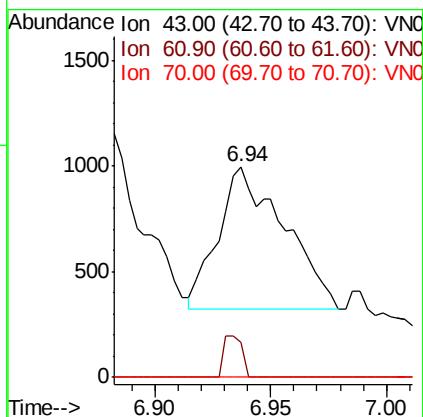
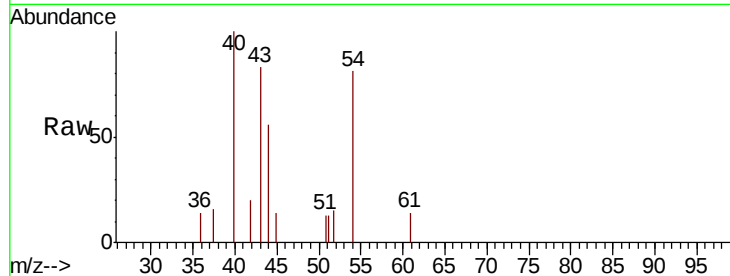




#37
Ethyl Acetate
Concen: 0.275 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

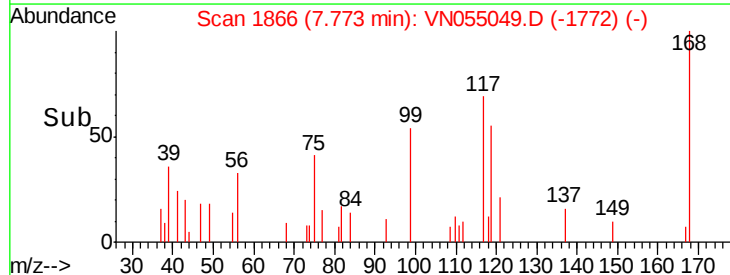
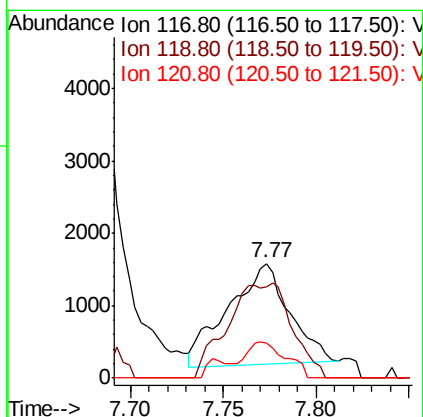
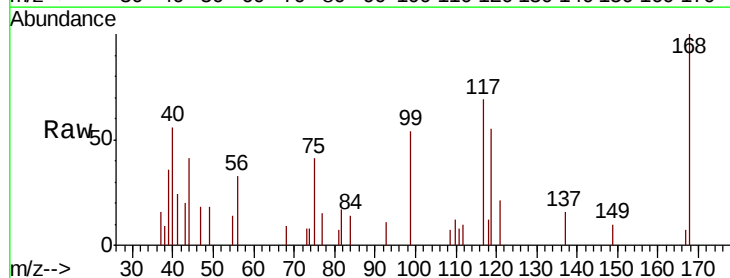
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

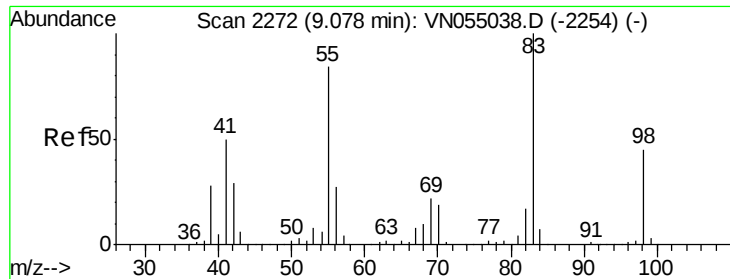
Tot Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 0.563 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 117 Resp: 3196
Ion Ratio Lower Upper
117 100
119 93.7 76.3 114.5
121 35.6 23.9 35.9

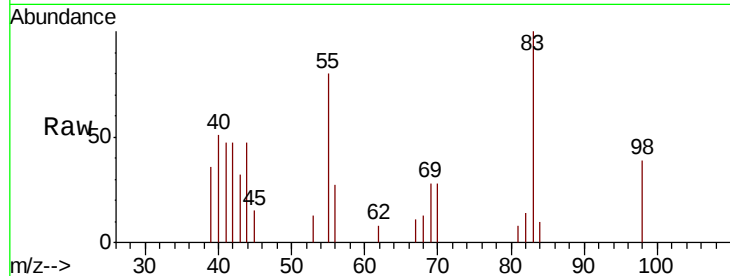




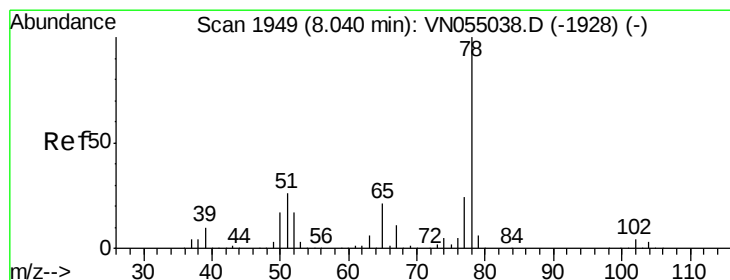
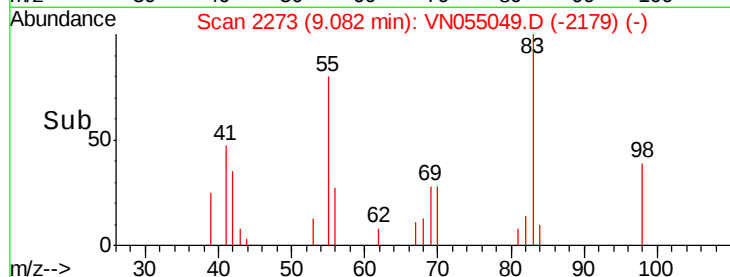
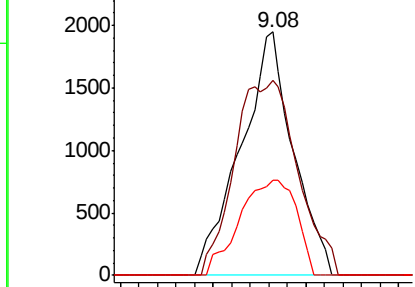
#39
Methvlcvclohexane
Concen: 0.593 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 83 Resp: 3836
Ion Ratio Lower Upper
83 100
55 79.8 67.0 100.4
98 38.9 35.6 53.4

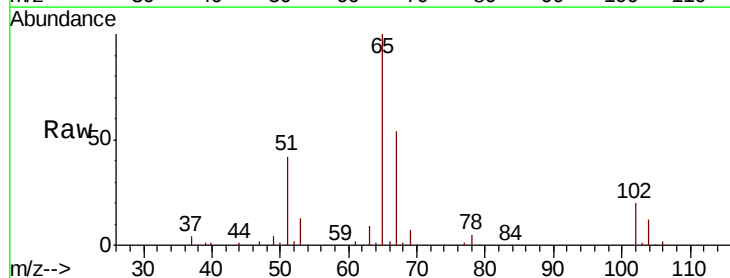


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

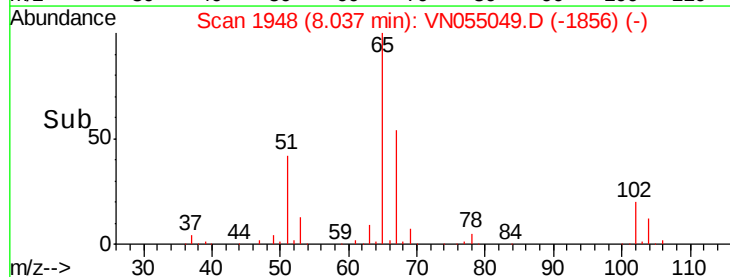
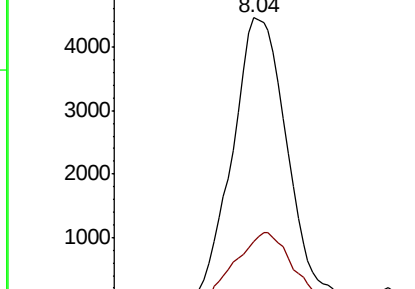


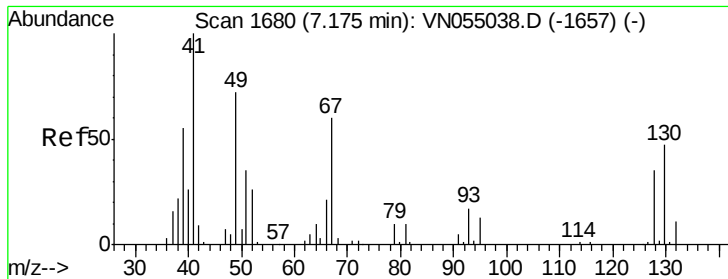
#40
Benzene
Concen: 0.604 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 78 Resp: 10862
Ion Ratio Lower Upper
78 100
77 21.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

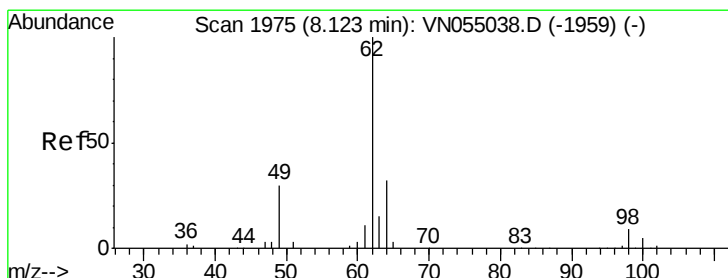
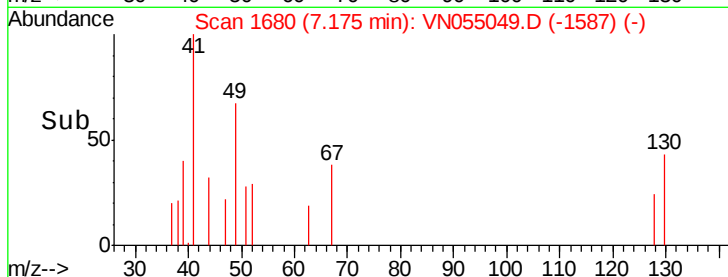
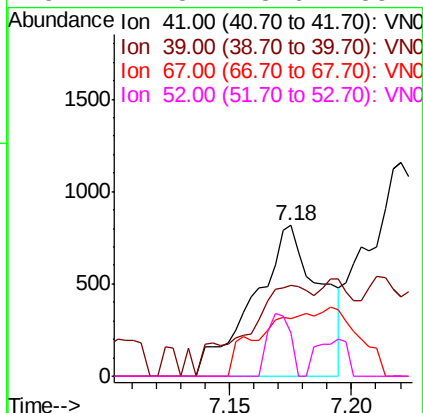
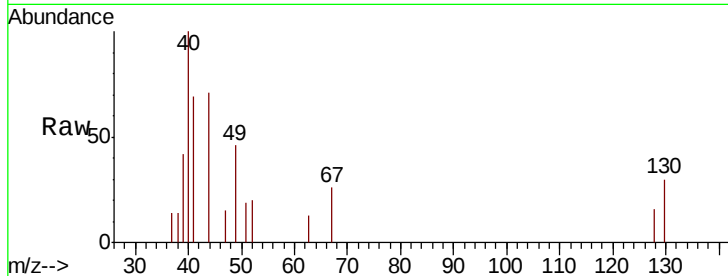




#41
Methacrylonitrile
Concen: 0.576 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

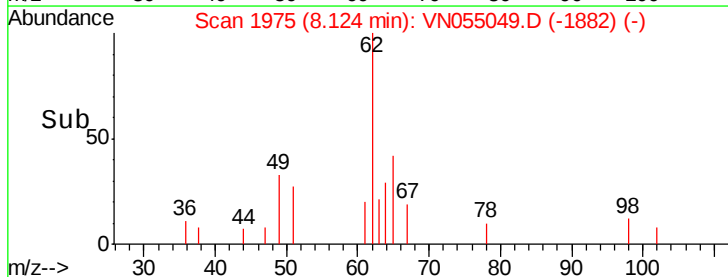
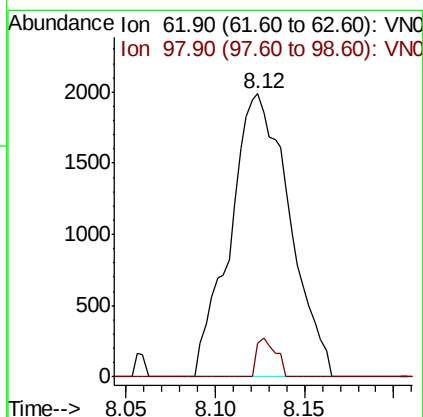
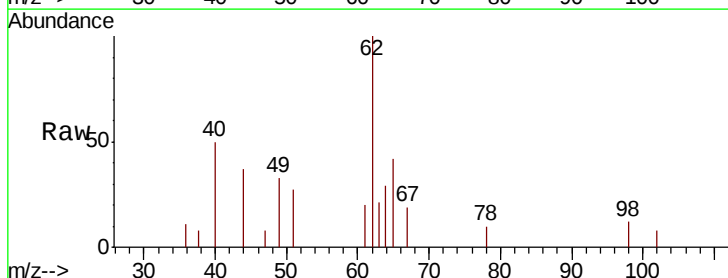
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

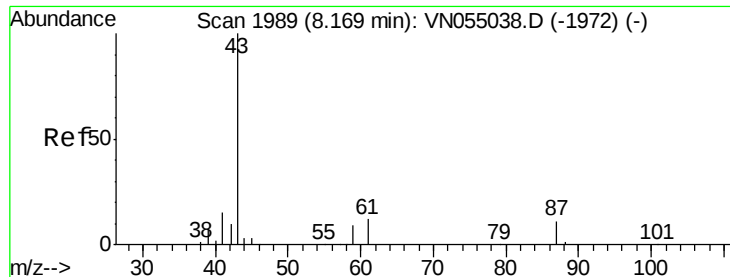
Tot Ion: 41 Resp: 1553
Ion Ratio Lower Upper
41 100
39 28.8 45.6 68.4#
67 0.0 57.0 85.6#
52 14.3 23.6 35.4#



#42
1,2-Dichloroethane
Concen: 0.737 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 62 Resp: 4604
Ion Ratio Lower Upper
62 100
98 4.4 0.0 17.4





#43

Isopropyl Acetate

Concen: 0.630 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

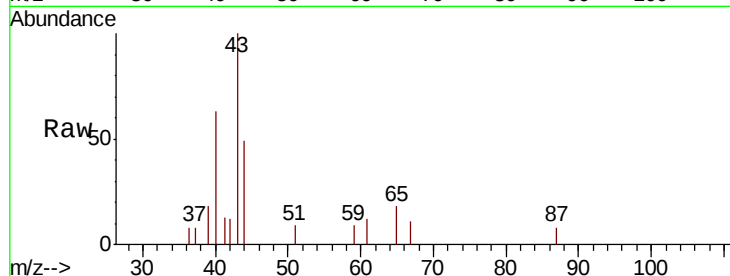
Tot Ion: 43 Resp: 4712

Ion Ratio Lower Upper

43 100

61 0.0 14.3 21.5#

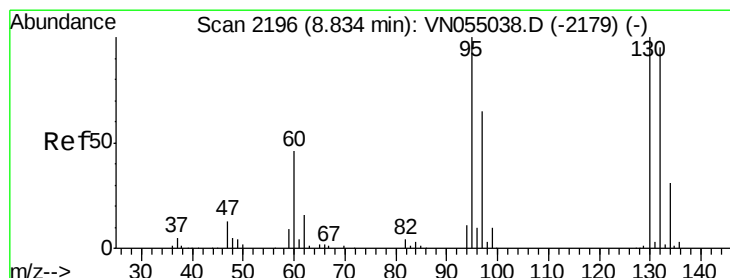
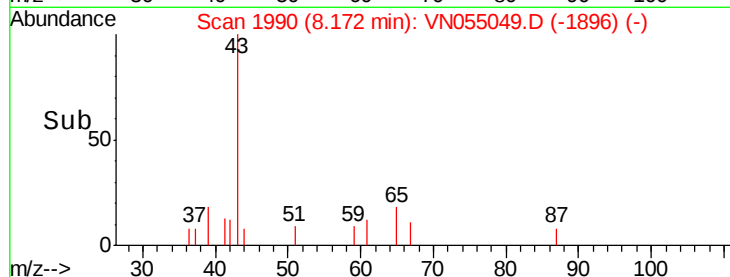
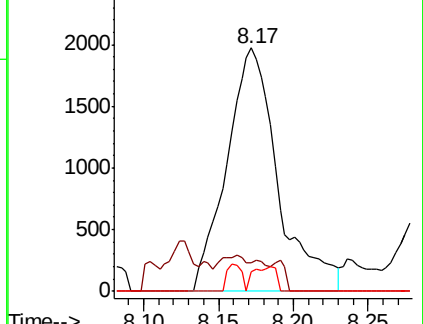
87 4.4 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055038.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1972) (-)



#44

Trichloroethene

Concen: 0.554 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055049.D

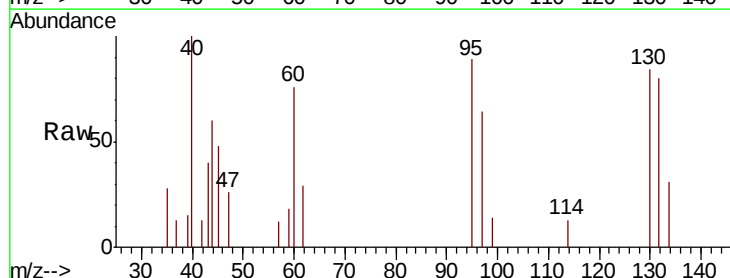
Acq: 15 Apr 2019 18:15

Tgt Ion: 130 Resp: 2497

Ion Ratio Lower Upper

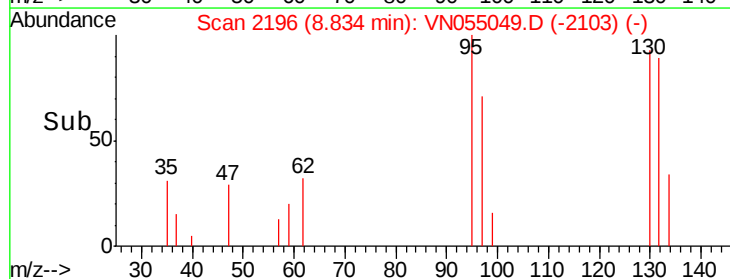
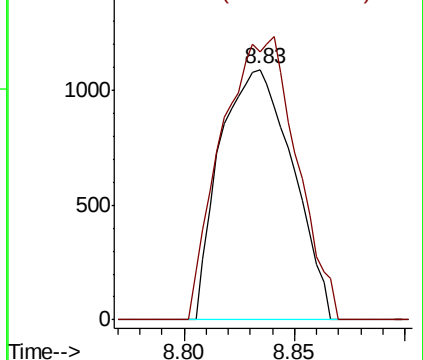
130 100

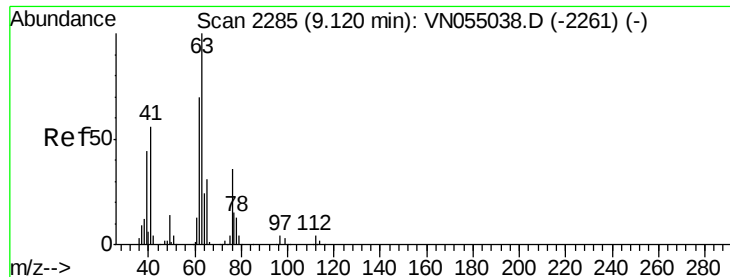
95 107.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055038.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055038.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 0.564 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

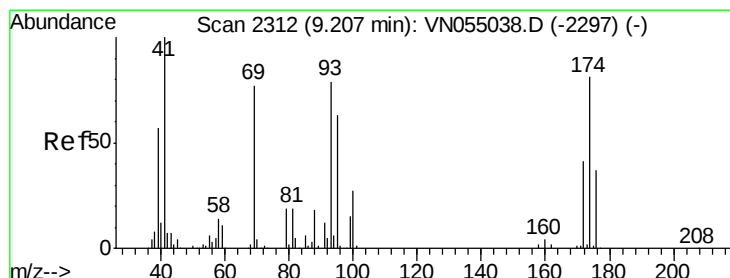
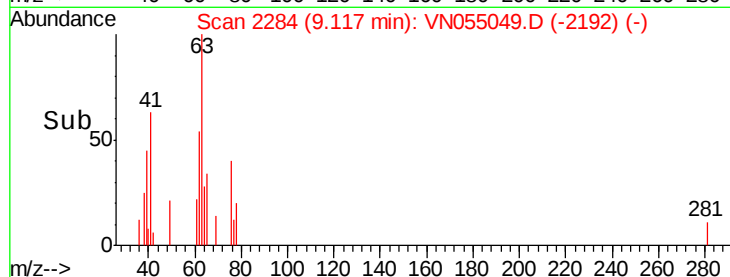
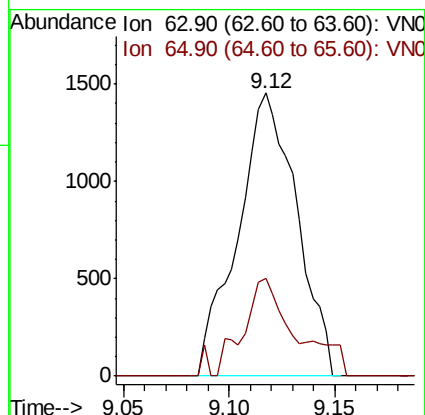
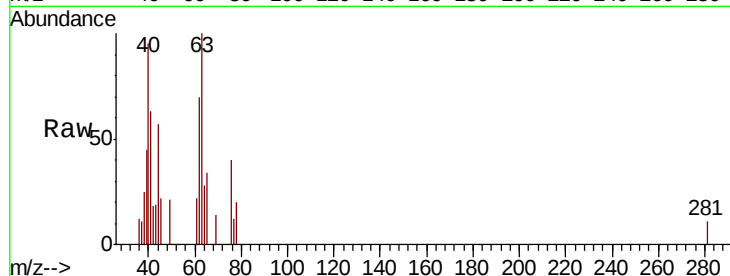
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 2827

Ion Ratio Lower Upper

63 100

65 34.3 24.4 36.6



#46

Dibromomethane

Concen: 0.596 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

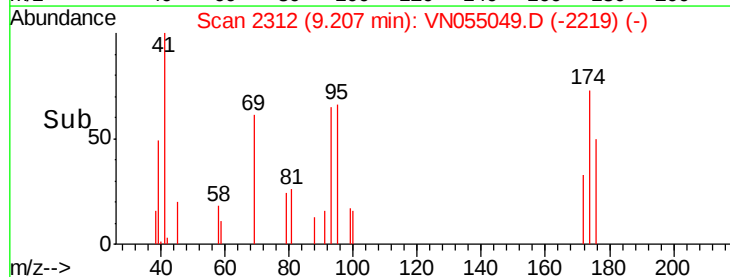
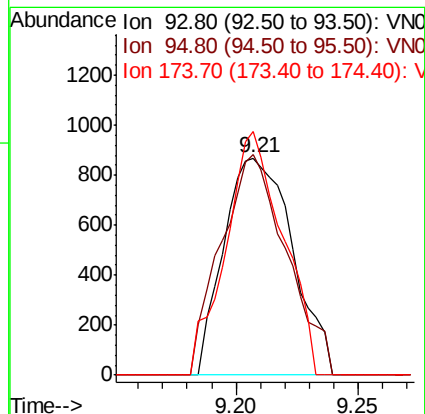
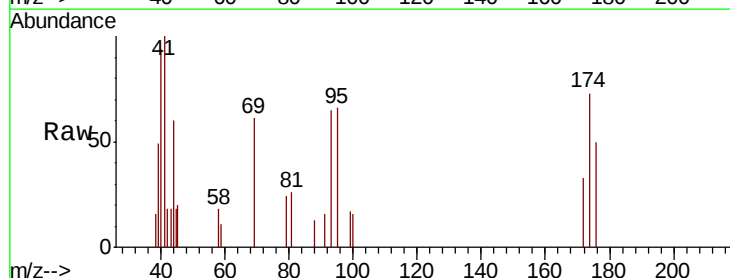
Tgt Ion: 93 Resp: 1700

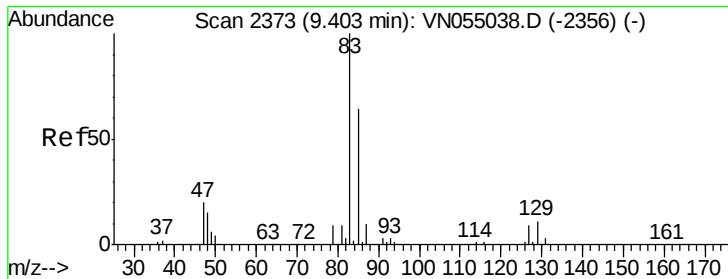
Ion Ratio Lower Upper

93 100

95 97.2 65.0 97.6

174 93.4 81.0 121.6





#47

Bromodichloromethane

Concen: 0.571 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

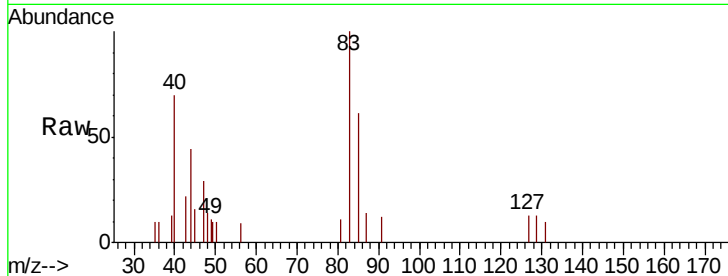
Tot Ion: 83 Resp: 3359

Ion Ratio Lower Upper

83 100

85 60.9 51.2 76.8

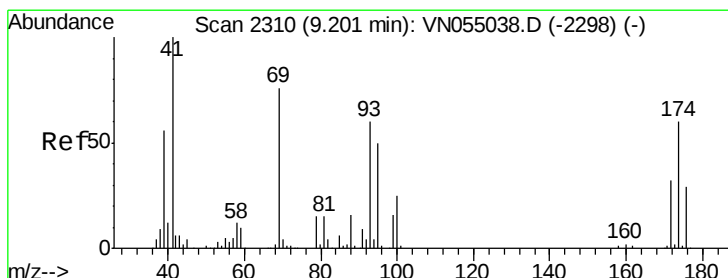
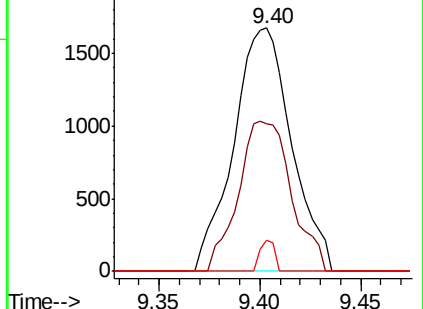
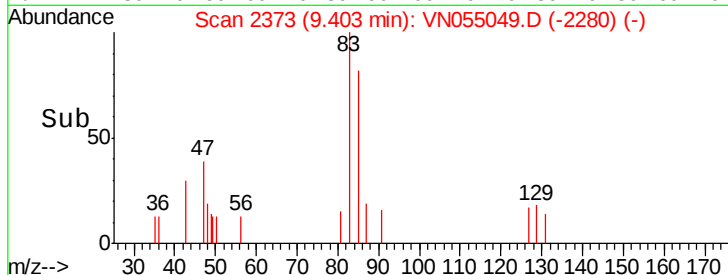
127 12.9 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055038.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055038.D (-2356) (-)



#48

Methyl methacrylate

Concen: 0.867 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

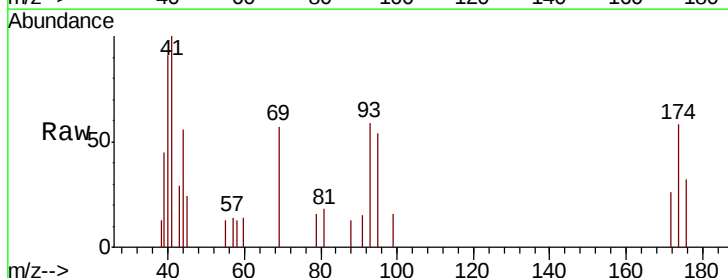
Tgt Ion: 41 Resp: 3215

Ion Ratio Lower Upper

41 100

69 52.6 60.5 90.7#

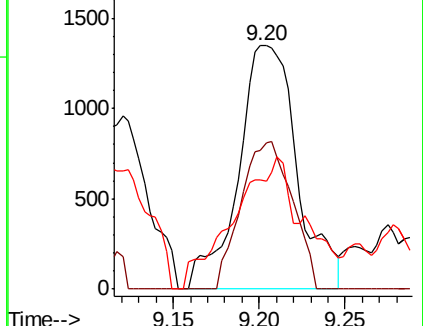
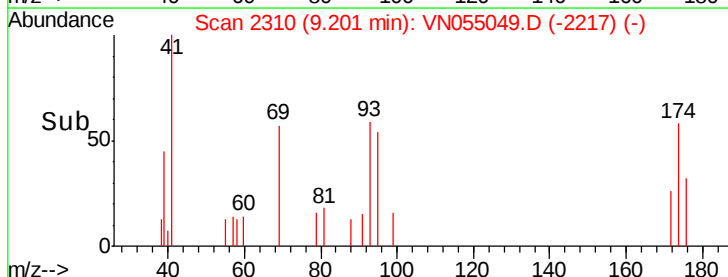
39 64.9 43.9 65.9

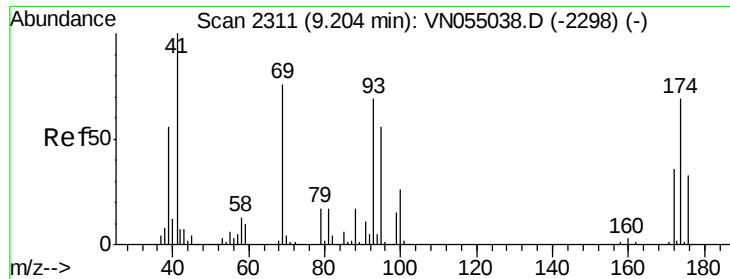


Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-2298) (-)





#49

1,4-Dioxane

Concen: 2.935 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

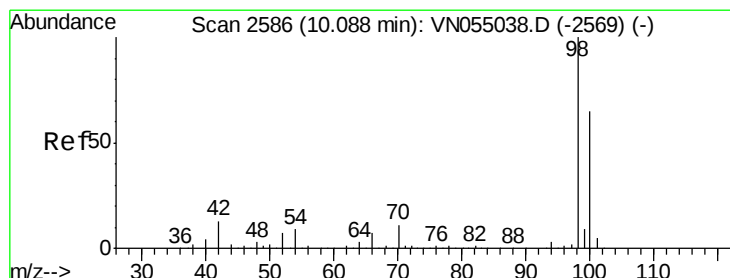
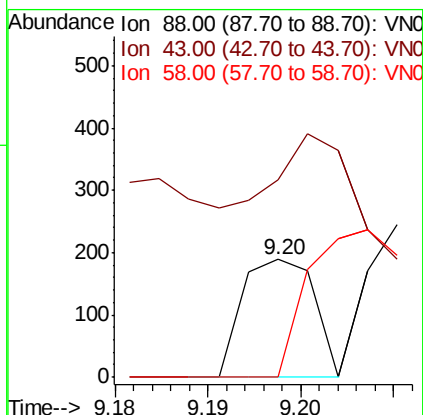
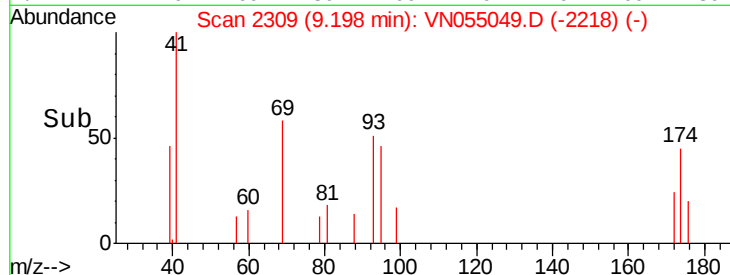
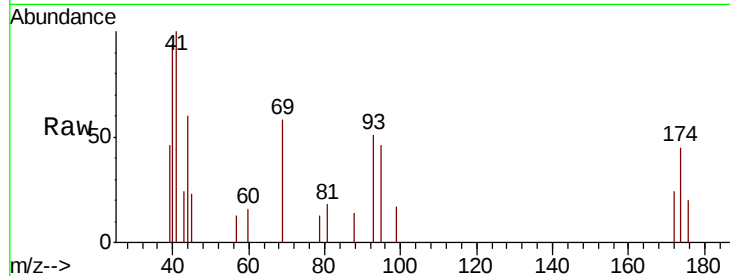
Tot Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 121.6 31.8 47.8#

58 0.0 61.6 92.4#



#50

Toluene-d8

Concen: 50.464 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055049.D

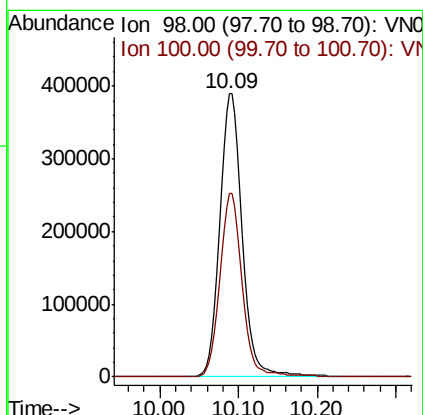
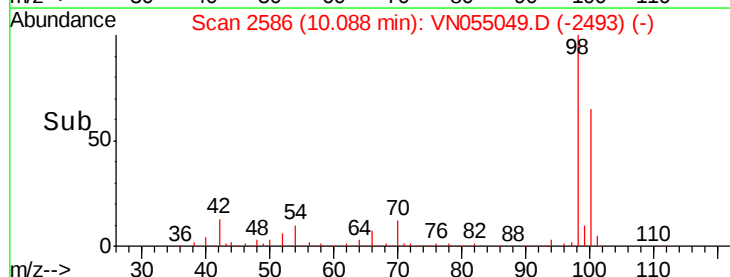
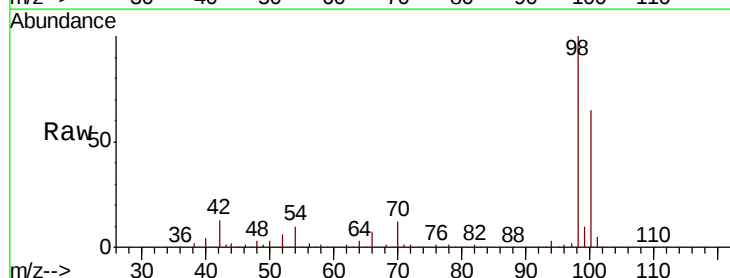
Acq: 15 Apr 2019 18:15

Tgt Ion: 98 Resp: 763941

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7

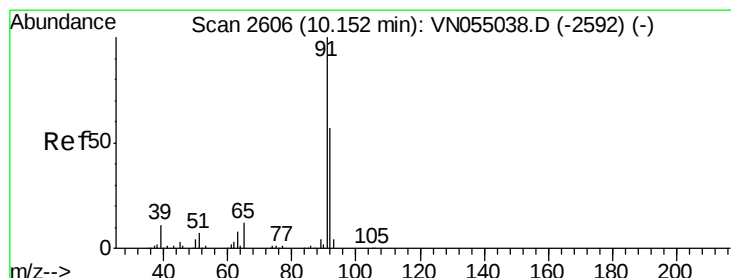
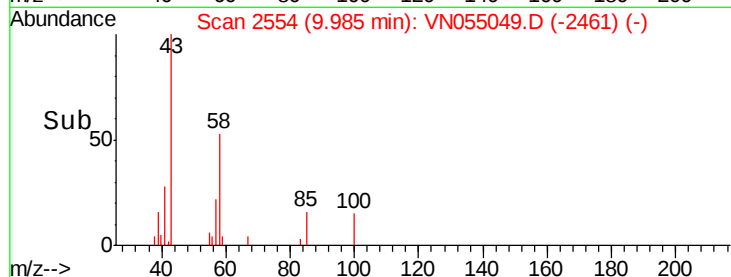
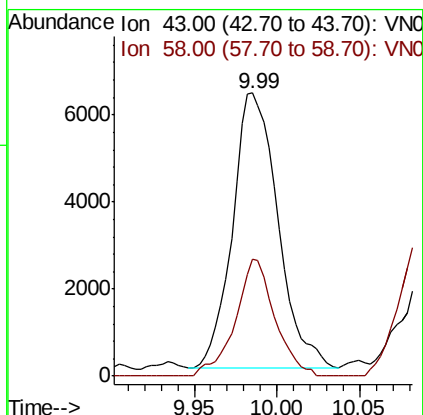
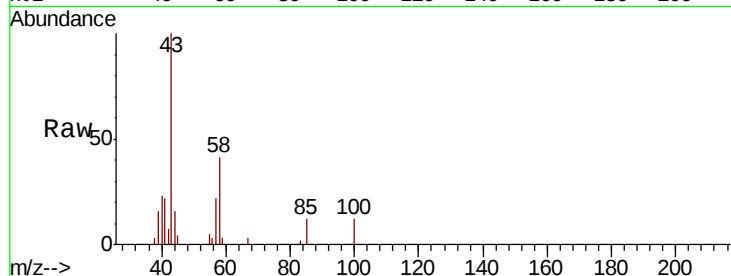




#51
 4-Methyl-2-Pentanone
 Concen: 2.784 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

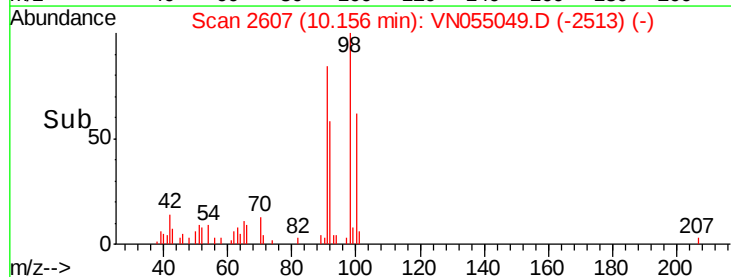
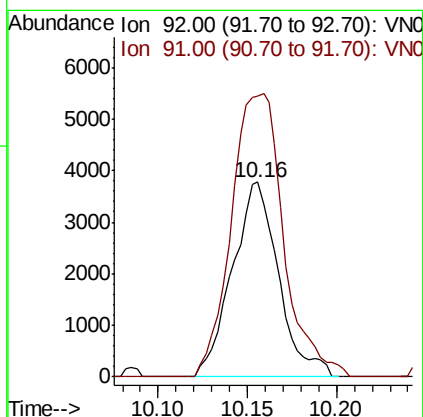
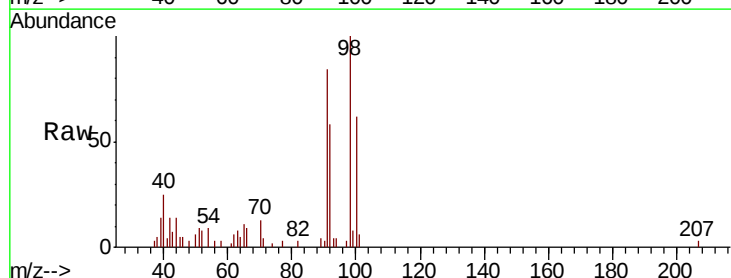
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

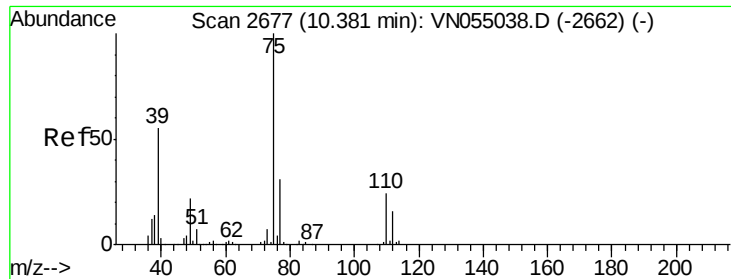
Tot Ion: 43 Resp: 12038
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.0 43.4



#52
 Toluene
 Concen: 0.662 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Tgt Ion: 92 Resp: 6822
 Ion Ratio Lower Upper
 92 100
 91 165.1 140.8 211.2

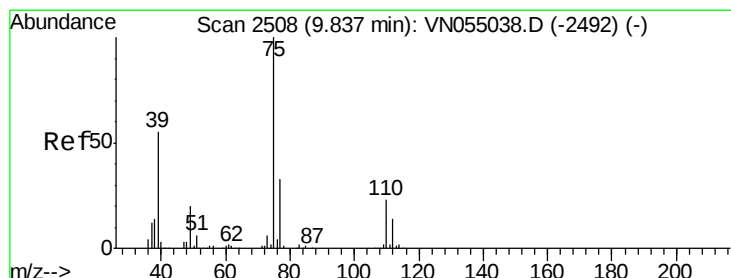
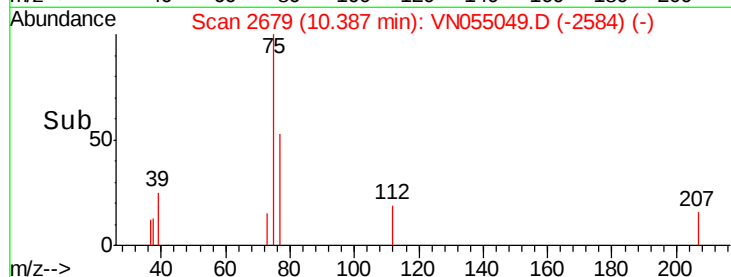
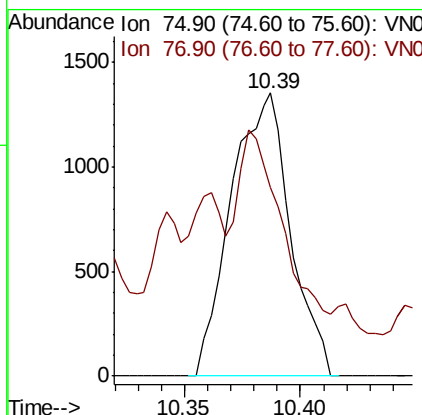
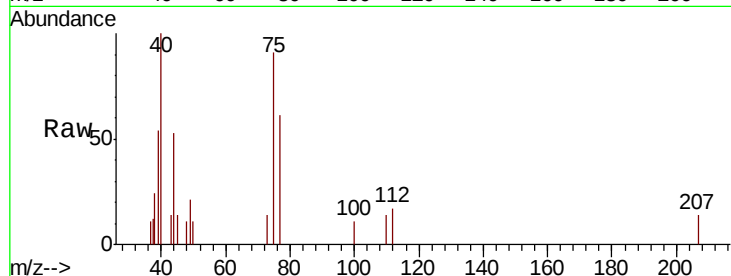




#53
t-1,3-Dichloropropene
Concen: 0.468 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.01 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

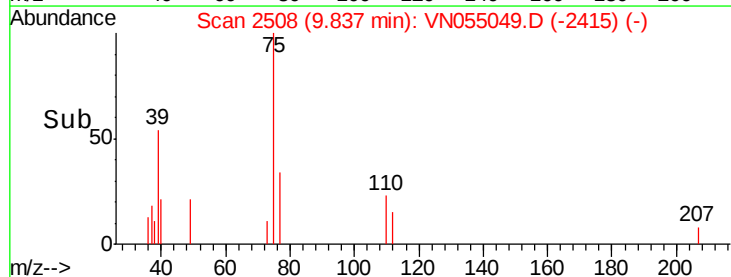
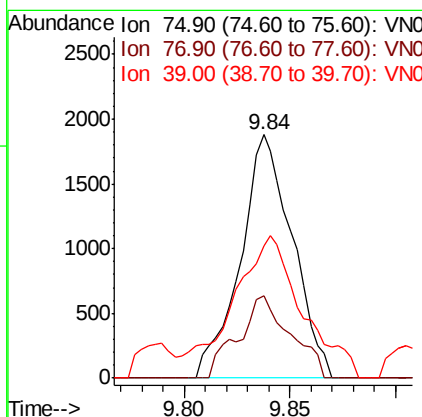
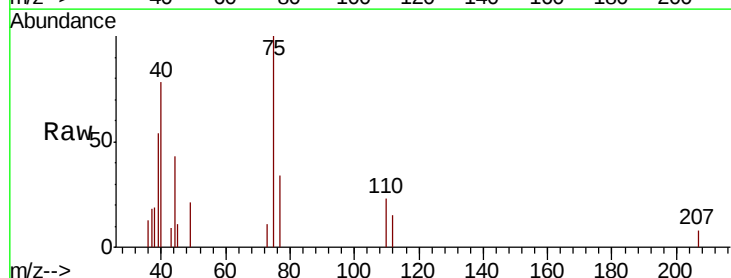
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

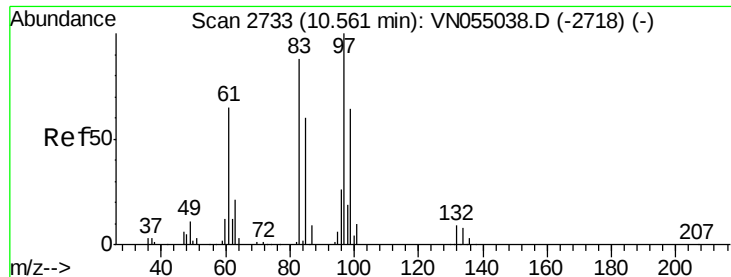
Tot Ion: 75 Resp: 2406
Ion Ratio Lower Upper
75 100
77 42.4 24.6 37.0#



#54
cis-1,3-Dichloropropene
Concen: 0.503 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 75 Resp: 3208
Ion Ratio Lower Upper
75 100
77 33.8 25.8 38.6
39 43.4 43.8 65.8#

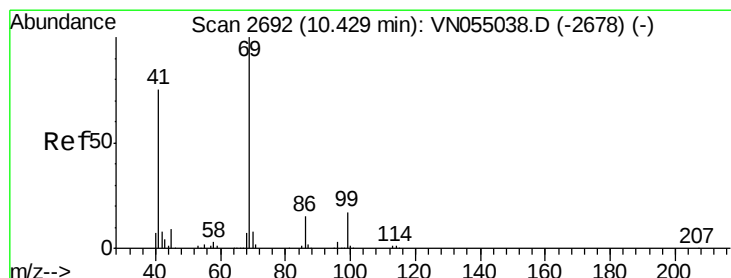
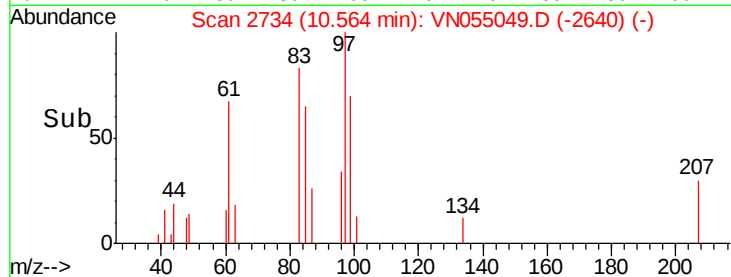
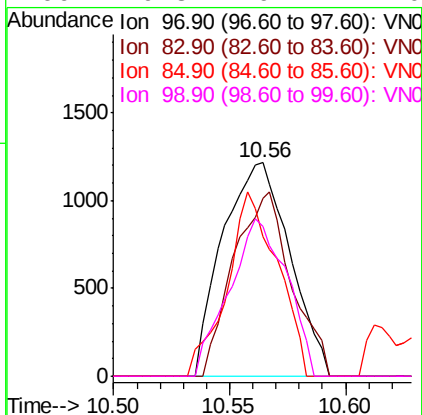
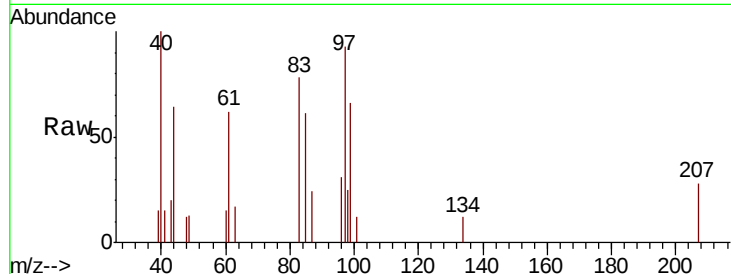




#55
 1,1,2-Trichloroethane
 Concen: 0.617 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

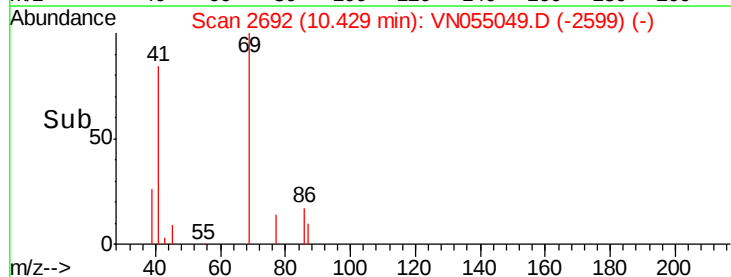
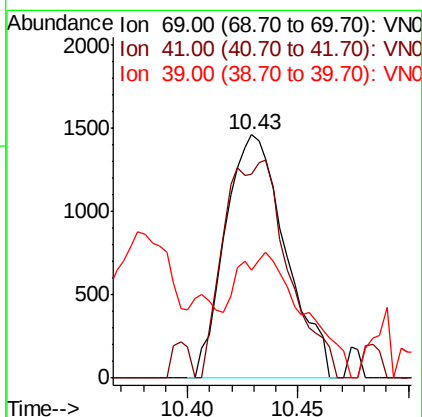
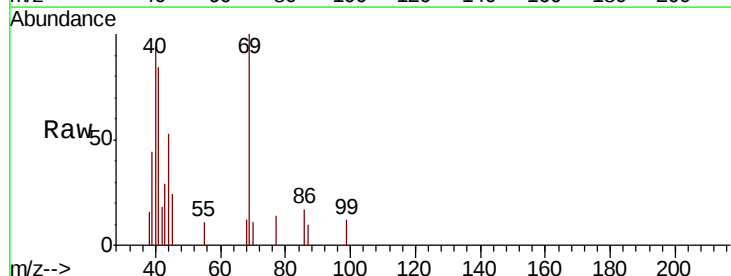
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

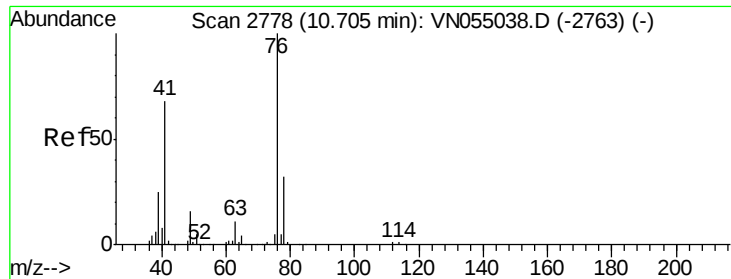
Tot Ion: 97 Resp: 2450
 Ion Ratio Lower Upper
 97 100
 83 83.1 70.5 105.7
 85 65.2 45.5 68.3
 99 70.3 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 0.583 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Tgt Ion: 69 Resp: 2774
 Ion Ratio Lower Upper
 69 100
 41 95.4 61.4 92.0#
 39 57.7 30.8 46.2#





#57

1,3-Dichloropropane

Concen: 0.616 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

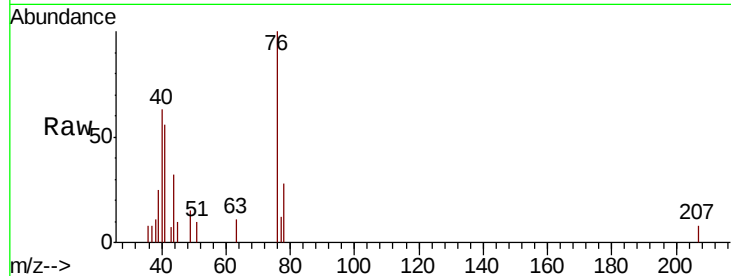
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 4159

Ion Ratio Lower Upper

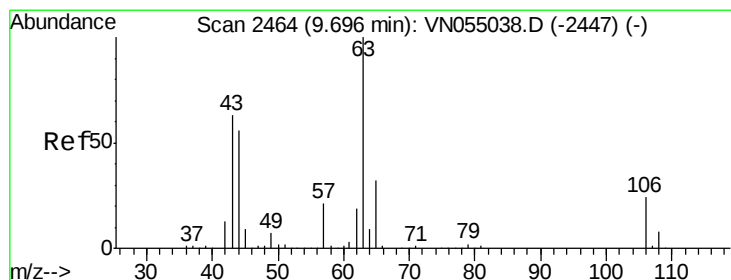
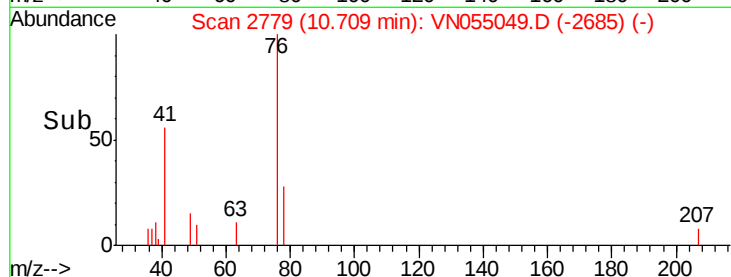
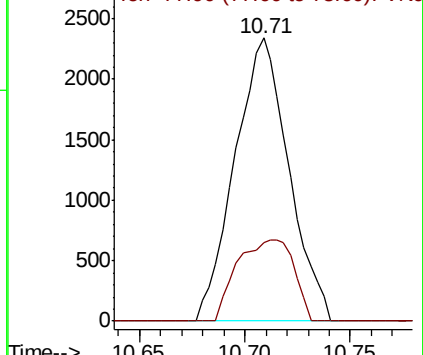
76 100

78 30.1 25.6 38.4



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: 12.546 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN055049.D

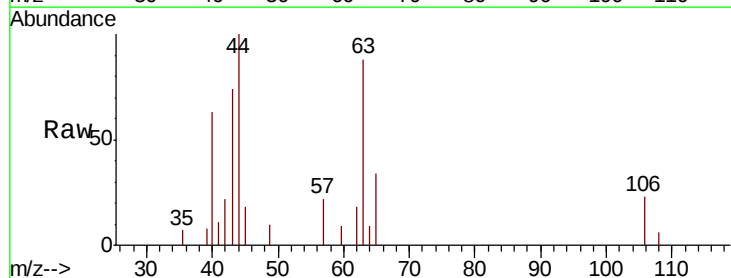
Acq: 15 Apr 2019 18:15

Tgt Ion: 63 Resp: 3953

Ion Ratio Lower Upper

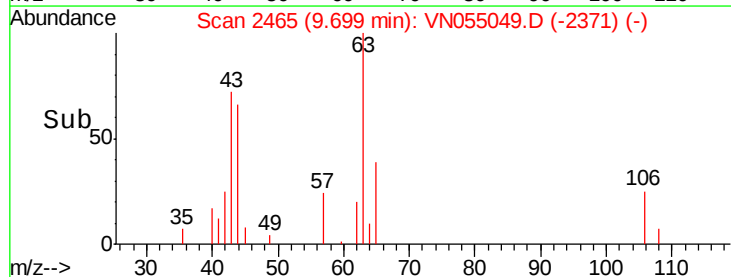
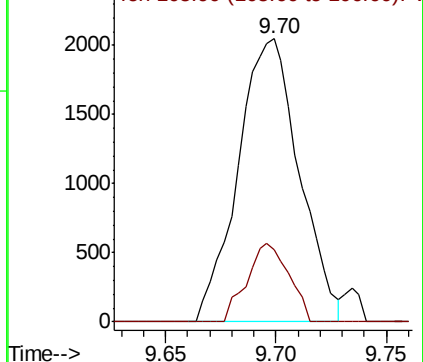
63 100

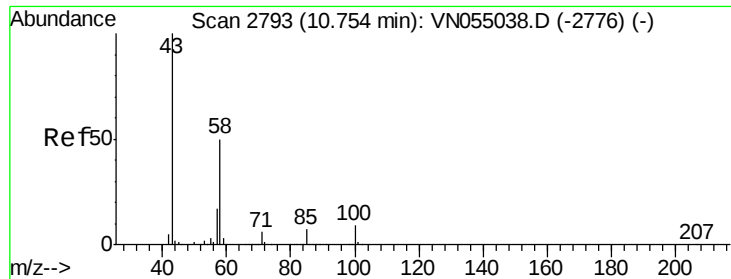
106 19.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

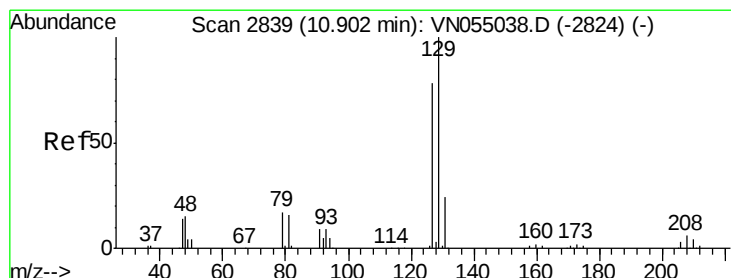
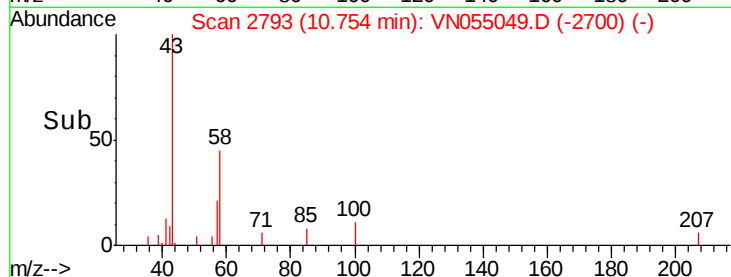
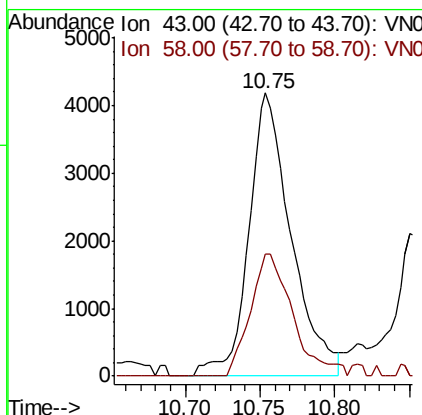
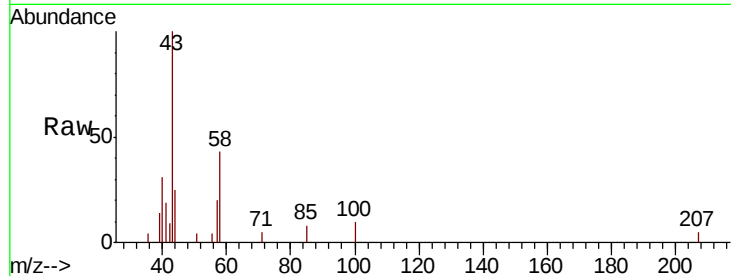




#59
2-Hexanone
Concen: 3.036 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

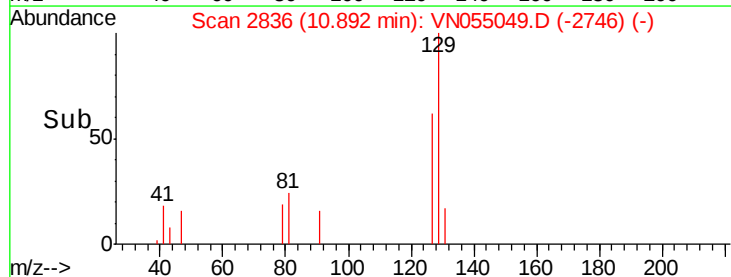
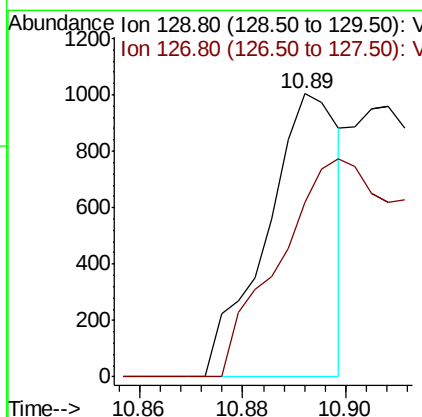
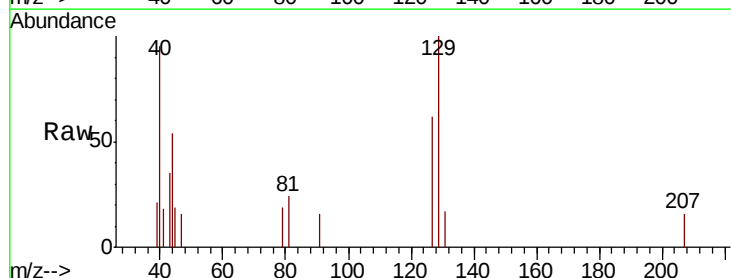
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

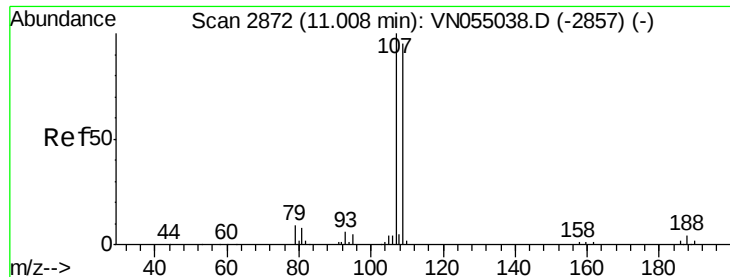
Tot Ion: 43 Resp: 8246
Ion Ratio Lower Upper
43 100
58 42.9 25.1 75.2



#60
Dibromochloromethane
Concen: 0.254 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.01 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 129 Resp: 985
Ion Ratio Lower Upper
129 100
127 139.0 38.2 114.6#





#61

1,2-Dibromoethane

Concen: 0.547 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

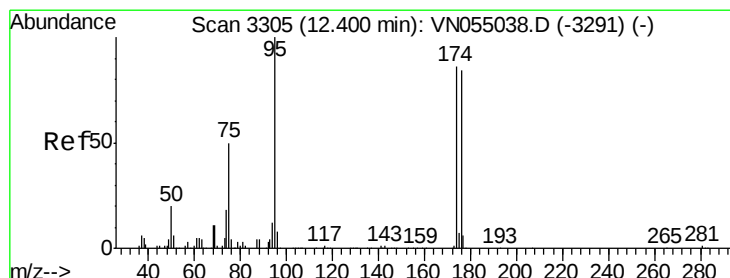
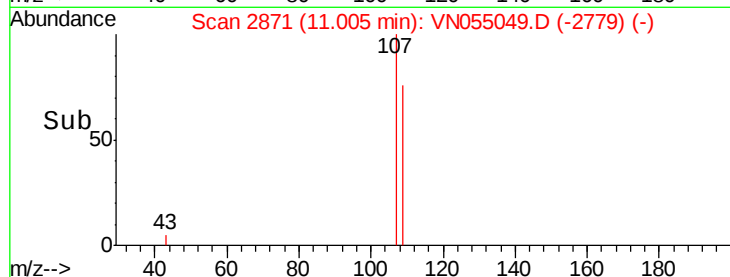
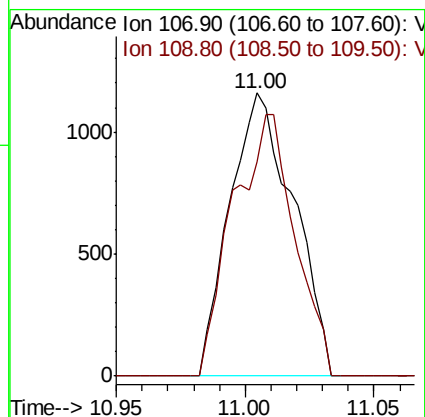
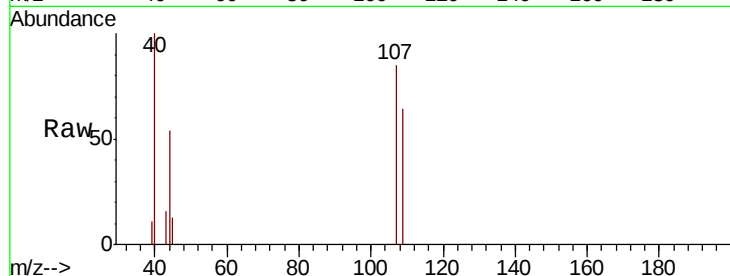
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 107 Resp: 1996

Ion Ratio Lower Upper

107 100

109 89.7 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 46.457 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

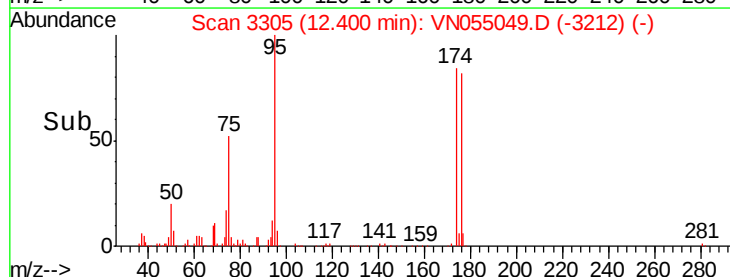
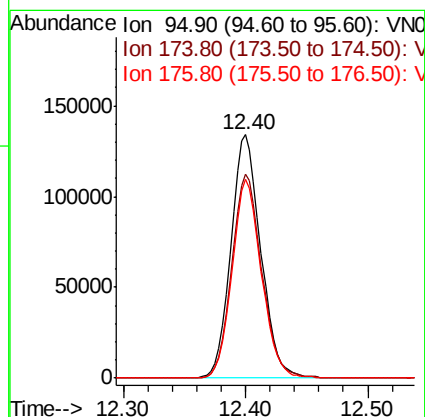
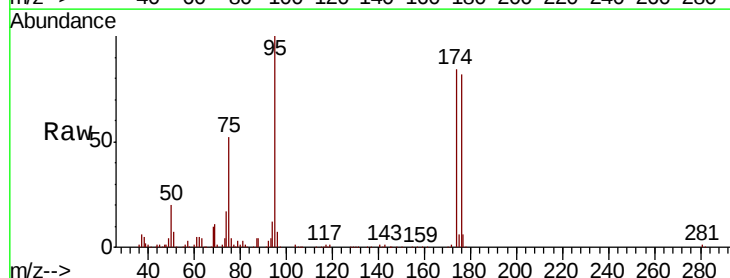
Tgt Ion: 95 Resp: 228639

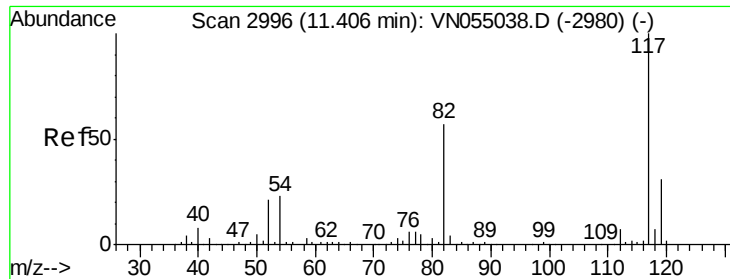
Ion Ratio Lower Upper

95 100

174 84.2 0.0 174.4

176 80.5 0.0 166.8

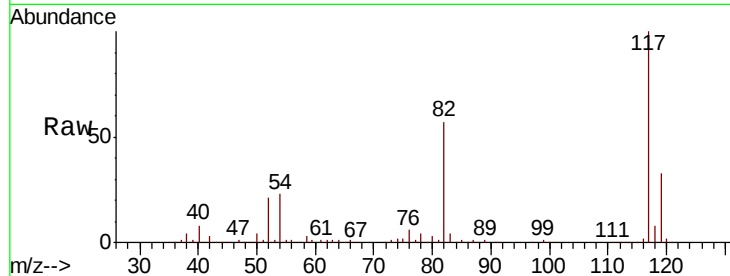




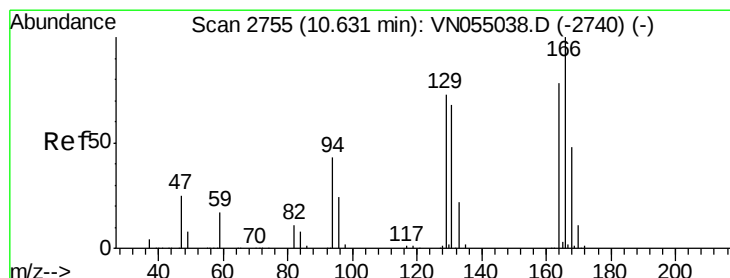
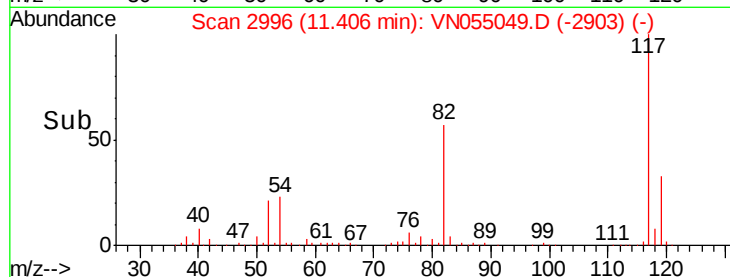
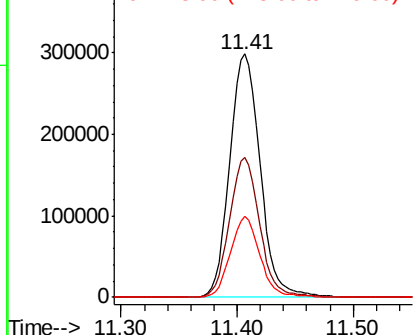
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:117 Resp: 542935
Ion Ratio Lower Upper
117 100
82 57.4 44.6 66.8
119 33.0 25.5 38.3

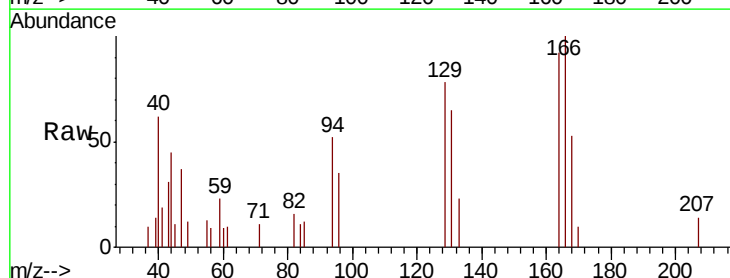


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

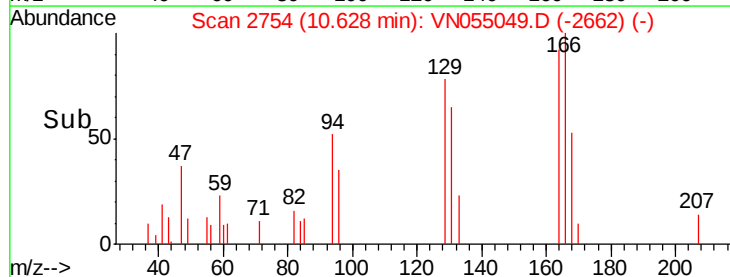
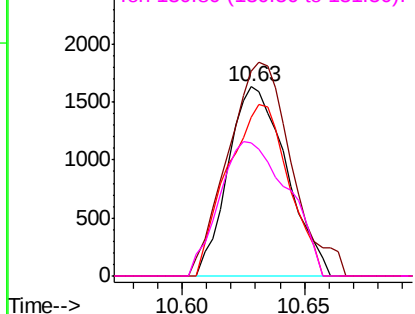


#64
Tetrachloroethene
Concen: 0.612 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion:164 Resp: 2702
Ion Ratio Lower Upper
164 100
166 108.3 100.0 150.0
129 84.0 72.0 108.0
131 70.7 69.7 104.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.592 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

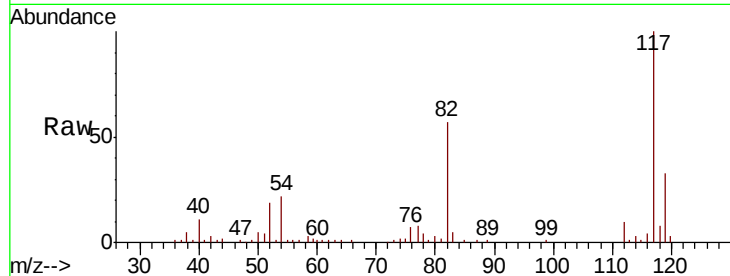
LOD-MDL-WATER-01-QT2-2019

Tot Ion:112 Resp: 6471

Ion Ratio Lower Upper

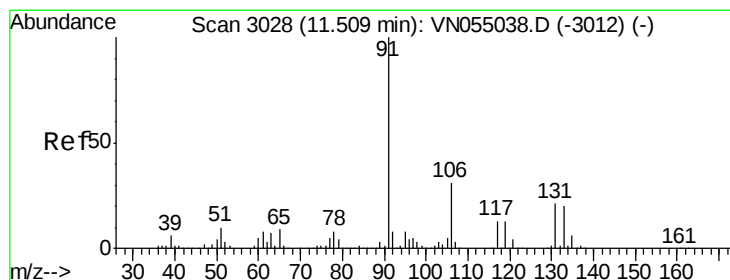
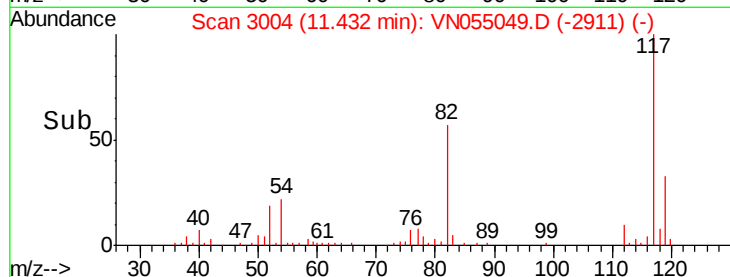
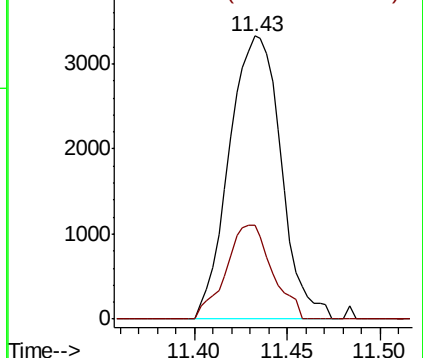
112 100

114 33.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.484 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

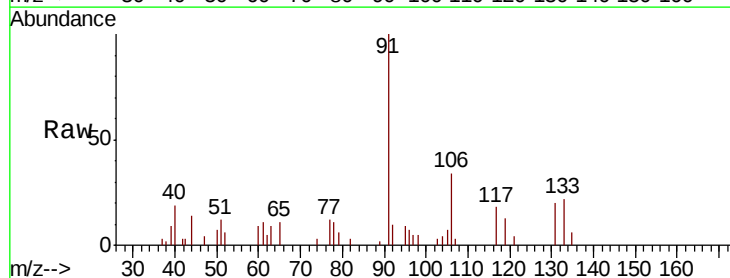
Tgt Ion:131 Resp: 1945

Ion Ratio Lower Upper

131 100

133 115.9 47.8 143.3

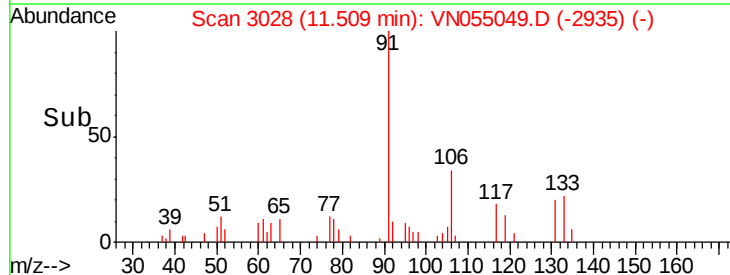
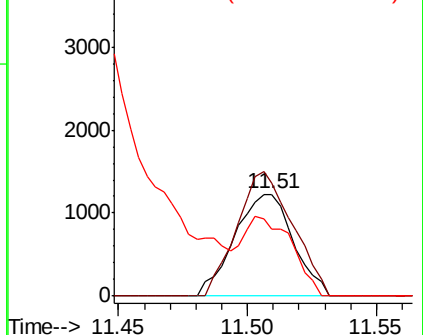
119 0.0 33.6 100.6#

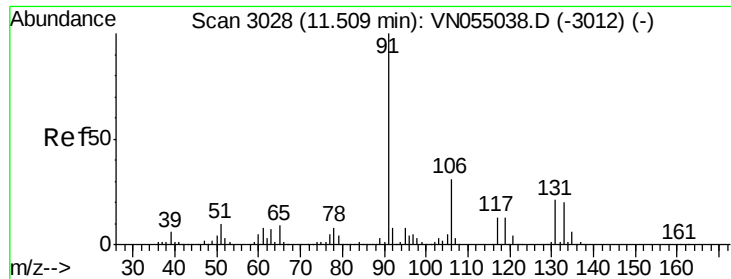


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

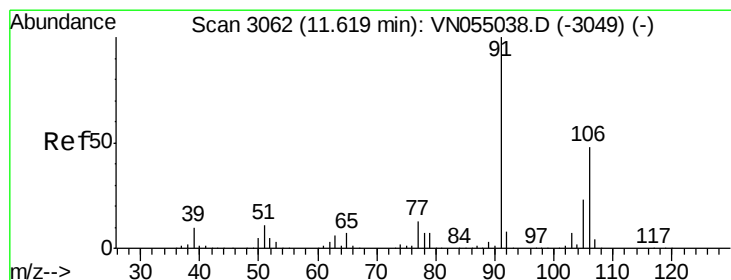
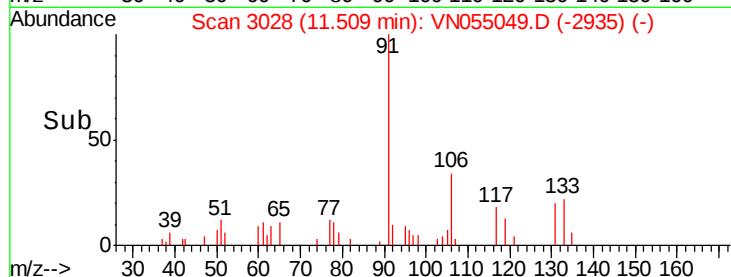
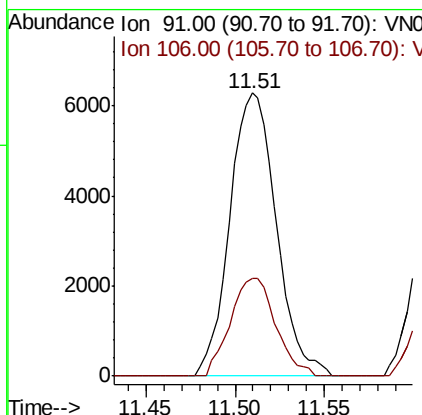
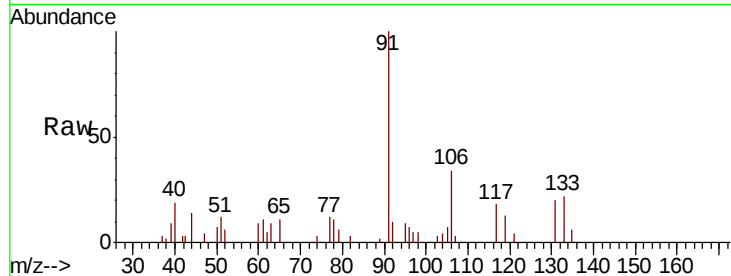




#67
Ethyl Benzene
Concen: 0.585 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

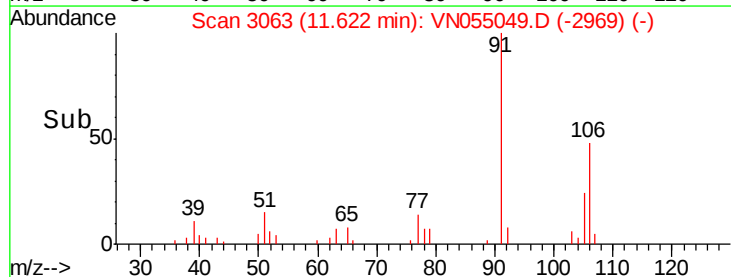
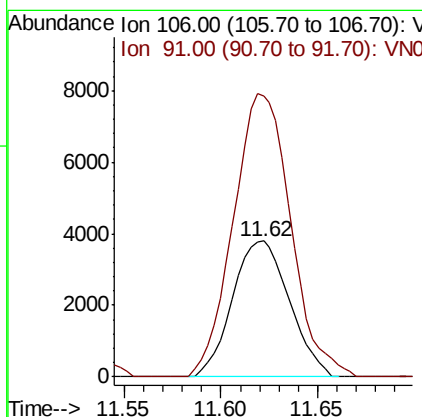
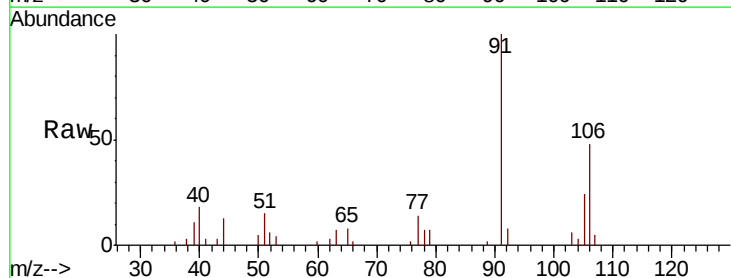
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

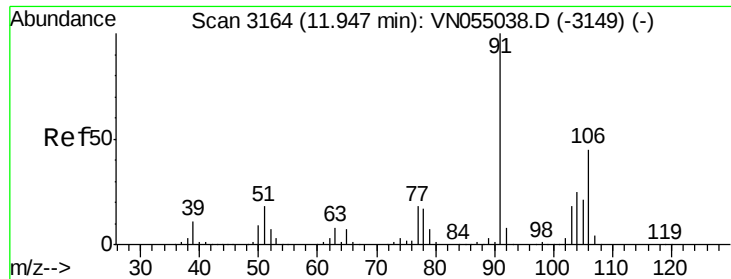
Tot Ion: 91 Resp: 11427
Ion Ratio Lower Upper
91 100
106 34.4 24.3 36.5



#68
m/p-Xylenes
Concen: 1.100 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion: 106 Resp: 7774
Ion Ratio Lower Upper
106 100
91 210.4 165.9 248.9

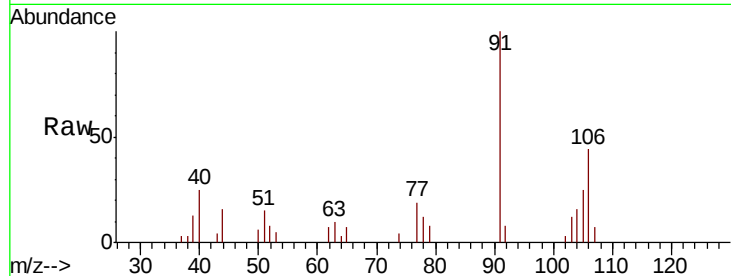




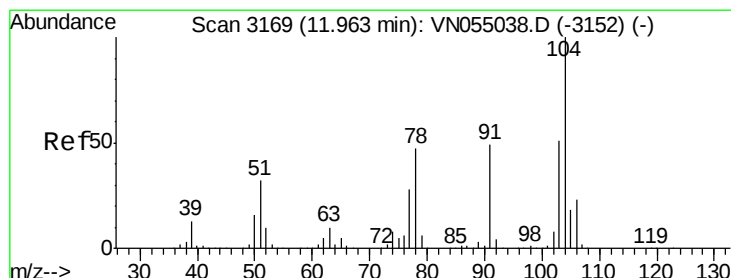
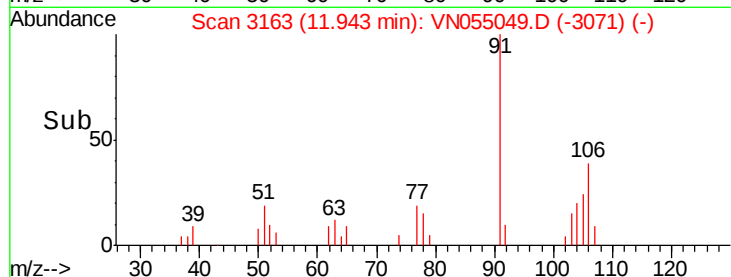
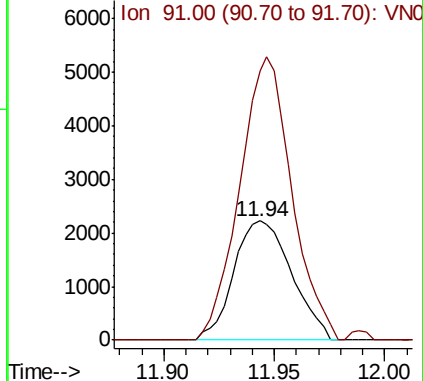
#69
o-Xylene
Concen: 0.592 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 4049
Ion Ratio Lower Upper
106 100
91 215.1 109.9 329.8

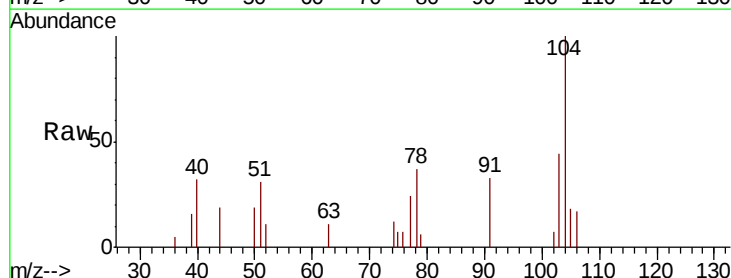


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

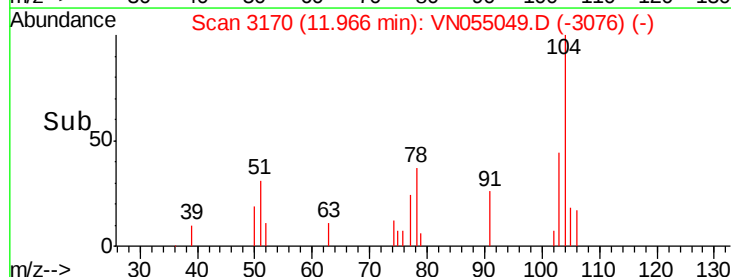
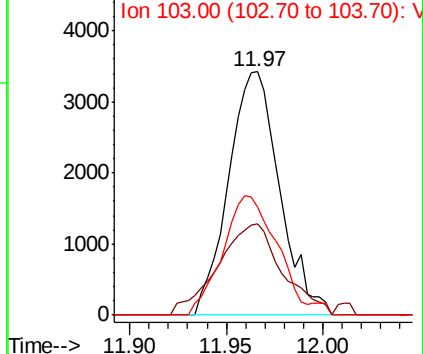


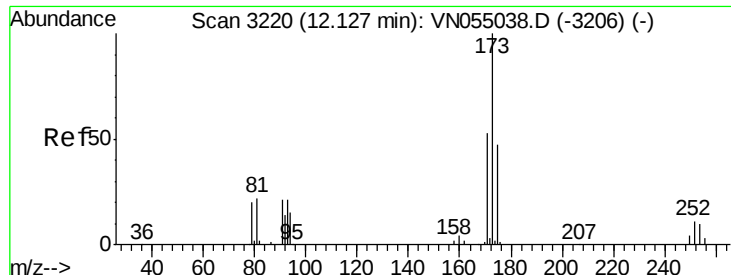
#70
Styrene
Concen: 0.568 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion:104 Resp: 6292
Ion Ratio Lower Upper
104 100
78 47.3 40.3 60.5
103 52.9 44.3 66.5



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





#71

Bromoform

Concen: 0.545 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

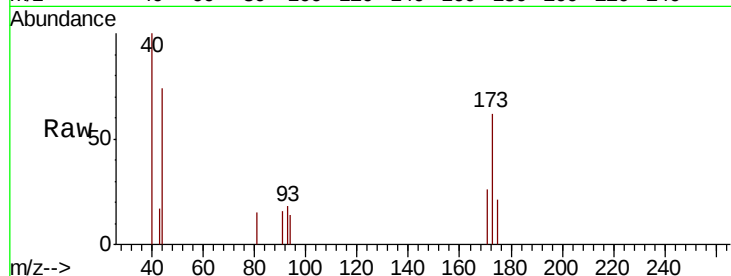
Tot Ion:173 Resp: 1255

Ion Ratio Lower Upper

173 100

175 35.9 24.3 73.0

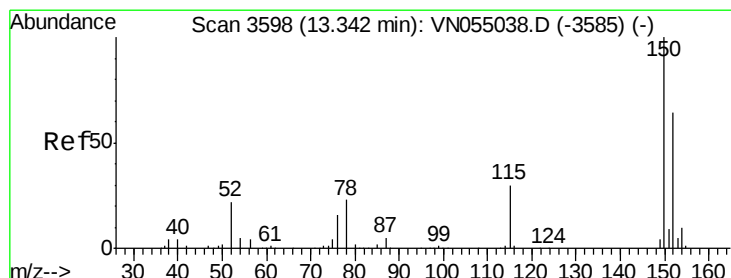
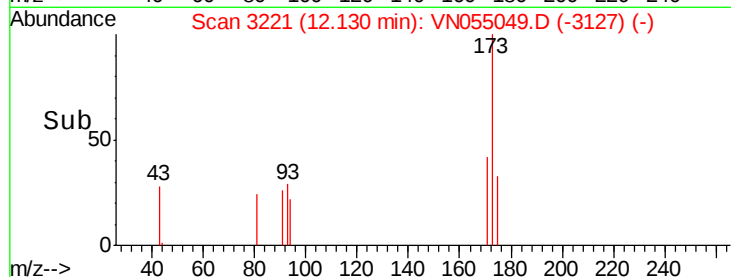
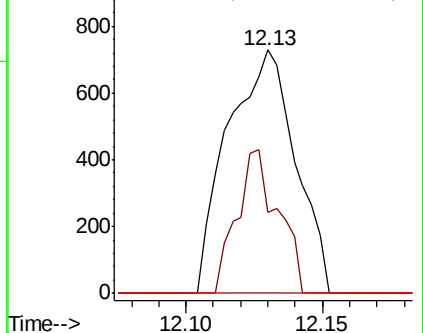
254 0.0 0.1 0.1#



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: VN055049.D

Acq: 15 Apr 2019 18:15

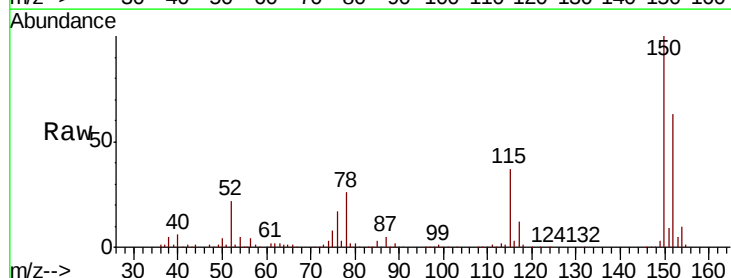
Tgt Ion:152 Resp: 171331

Ion Ratio Lower Upper

152 100

115 57.3 28.5 85.6

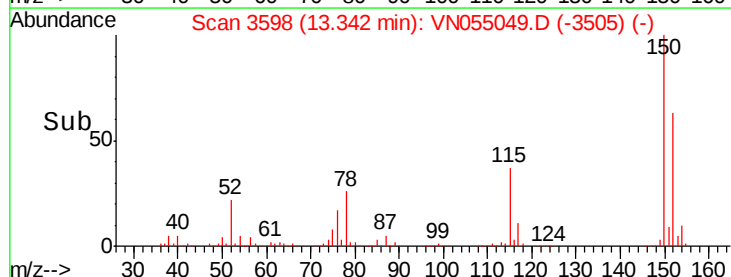
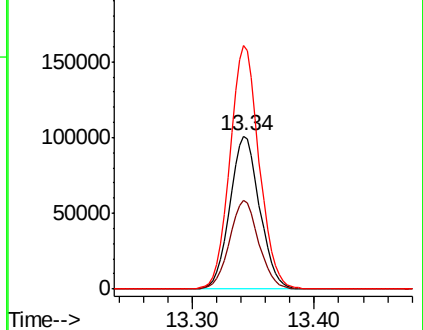
150 156.0 0.0 347.2

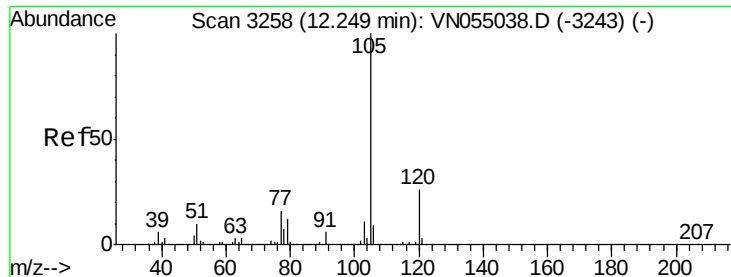


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.653 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

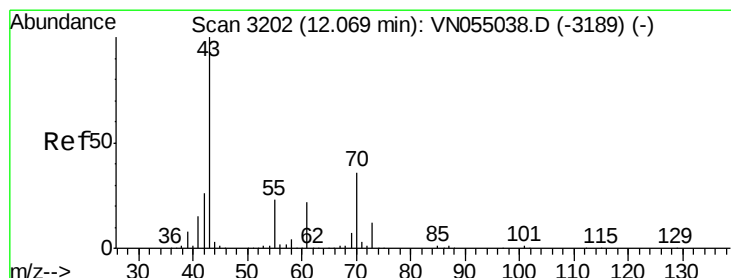
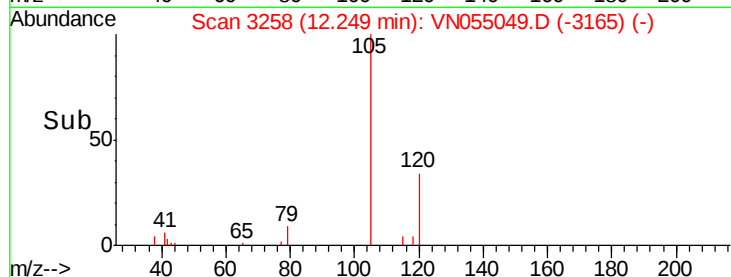
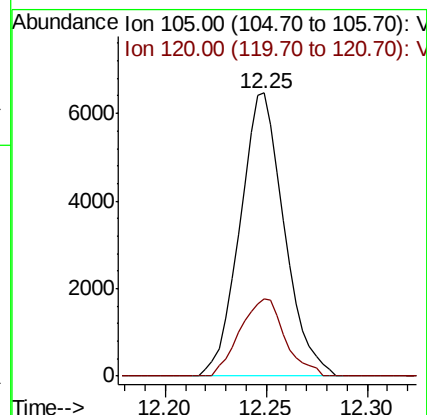
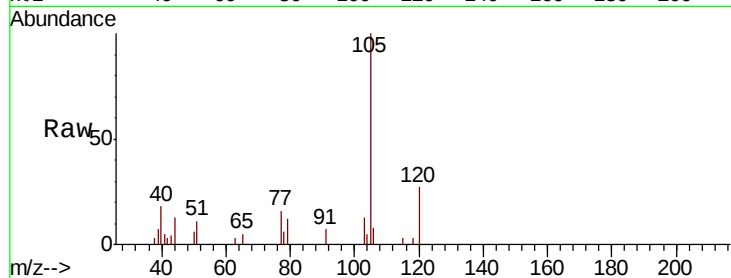
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 9927

Ion Ratio Lower Upper

105 100

120 27.7 13.3 39.9



#74

N-ethyl acetate

Concen: 0.471 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Tgt Ion: 43 Resp: 2014

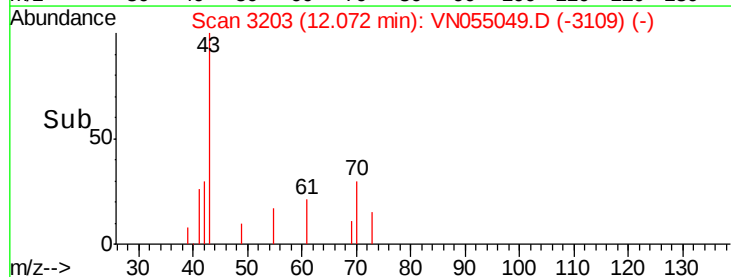
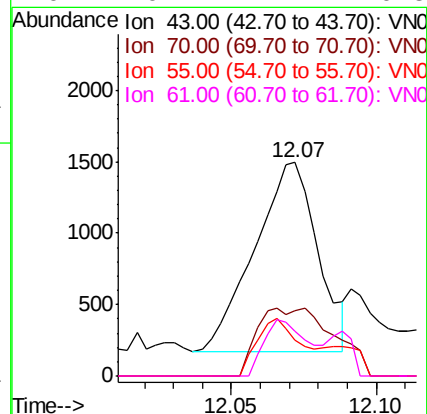
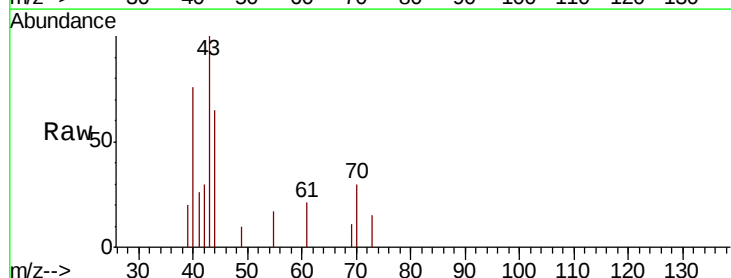
Ion Ratio Lower Upper

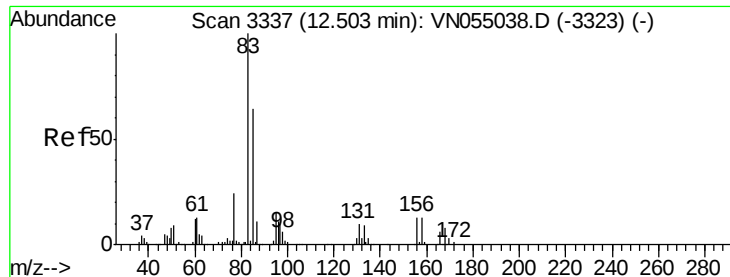
43 100

70 18.1 29.4 44.0#

55 20.8 19.0 28.4

61 19.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 0.700 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

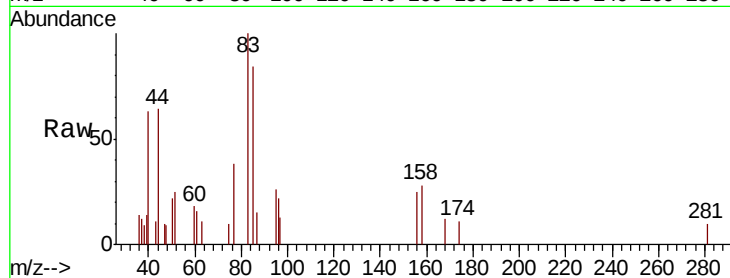
Tot Ion: 83 Resp: 2847

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

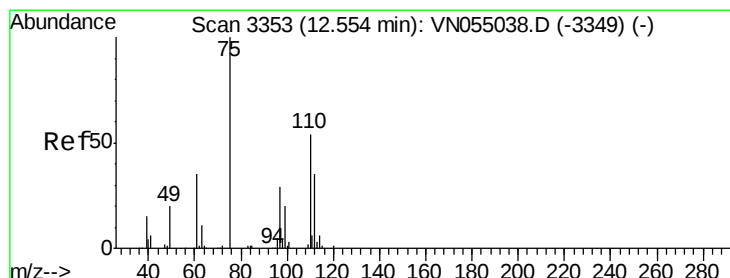
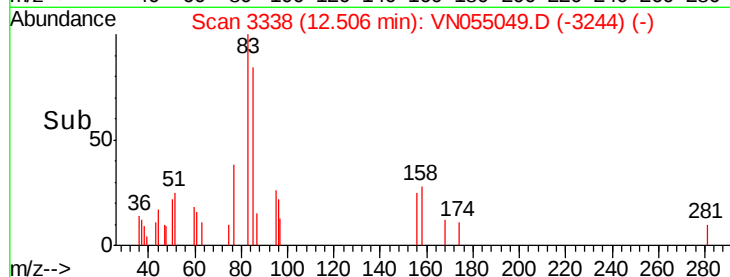
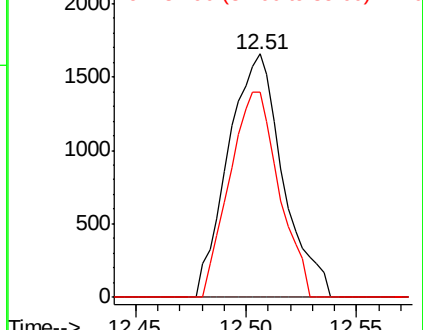
85 76.1 32.3 96.9



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: 38.019 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055049.D

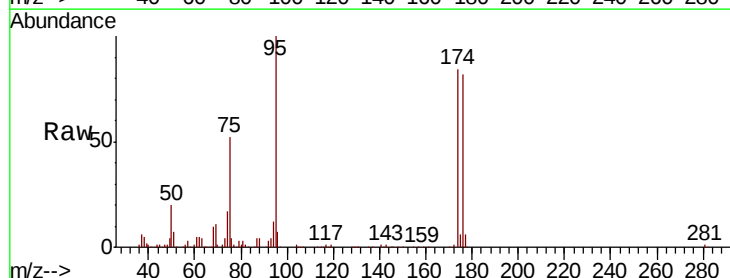
Acq: 15 Apr 2019 18:15

Tgt Ion: 75 Resp: 117134

Ion Ratio Lower Upper

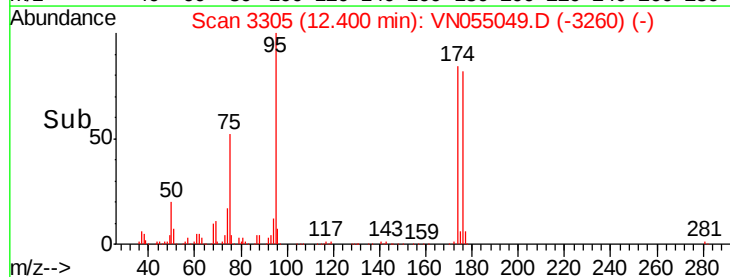
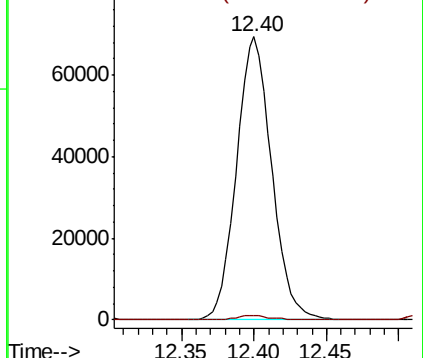
75 100

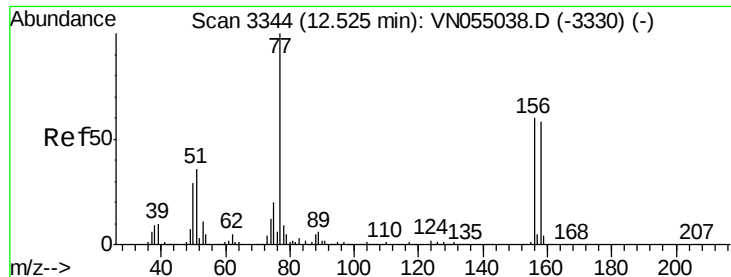
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.754 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

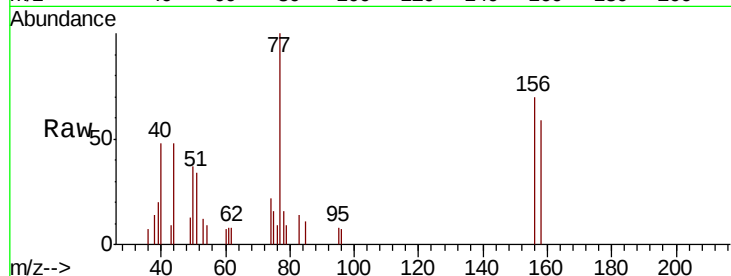
Tot Ion:156 Resp: 2859

Ion Ratio Lower Upper

156 100

77 170.2 97.2 291.5

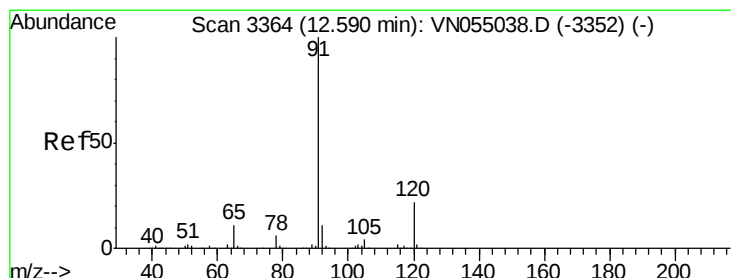
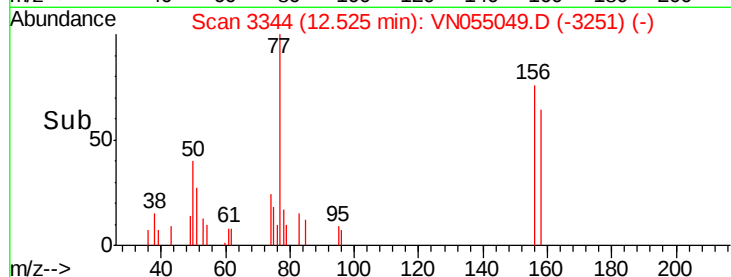
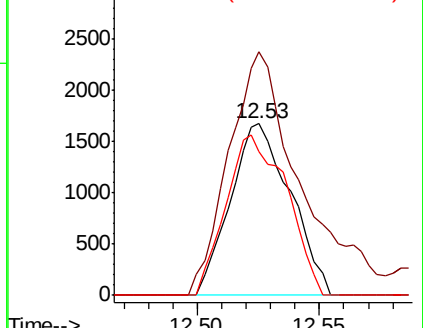
158 95.1 48.6 145.9



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: 0.631 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055049.D

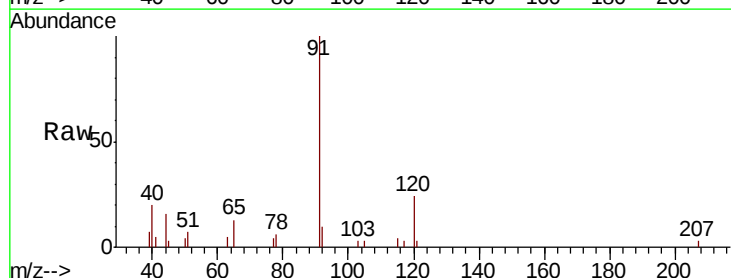
Acq: 15 Apr 2019 18:15

Tgt Ion: 91 Resp: 10362

Ion Ratio Lower Upper

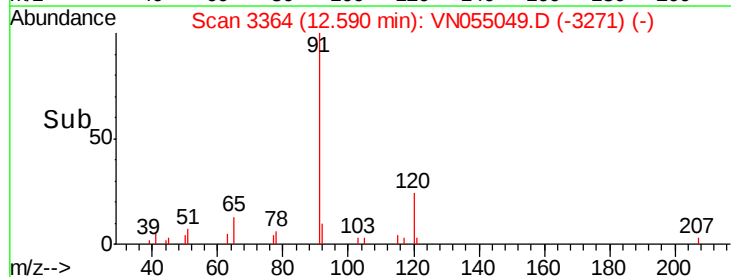
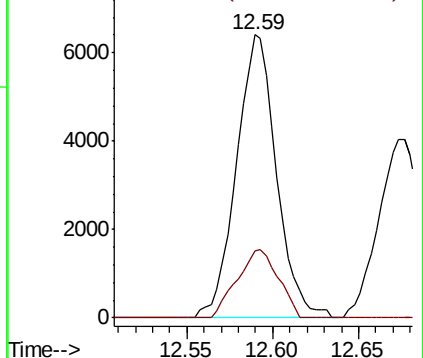
91 100

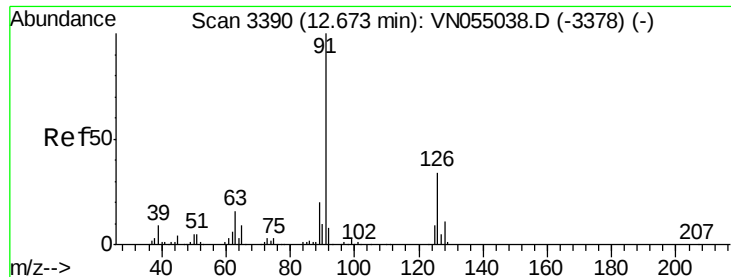
120 24.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.690 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

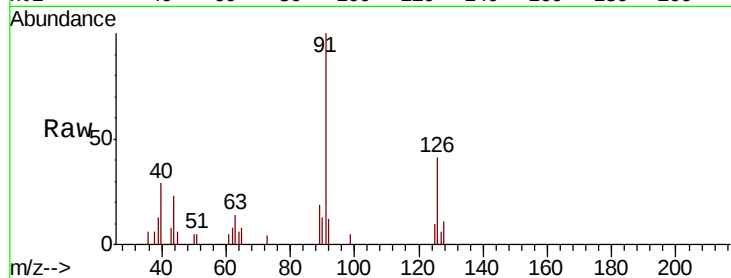
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 7071

Ion Ratio Lower Upper

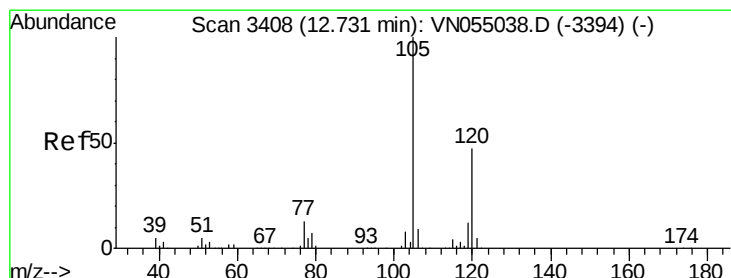
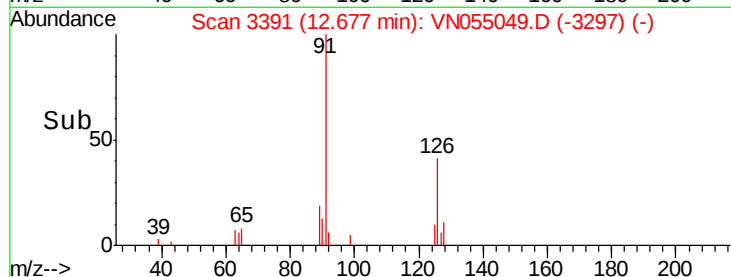
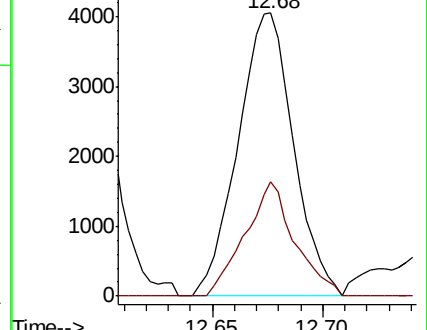
91 100

126 36.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055038.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.609 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055049.D

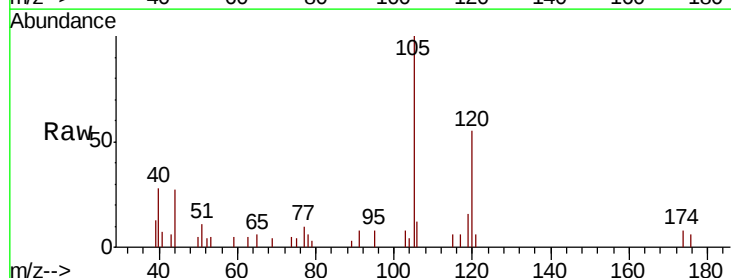
Acq: 15 Apr 2019 18:15

Tgt Ion: 105 Resp: 7467

Ion Ratio Lower Upper

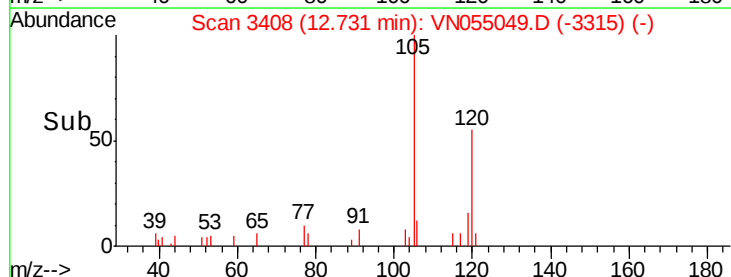
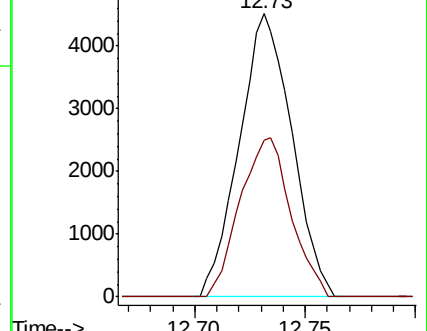
105 100

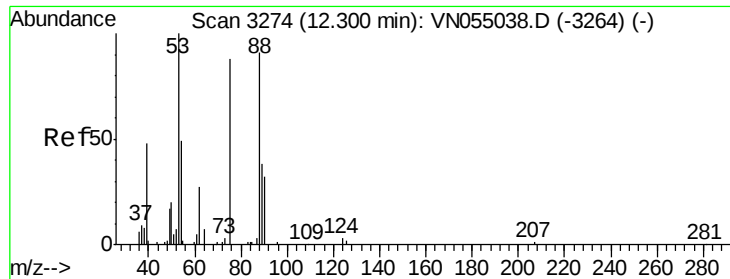
120 54.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055038.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055038.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 152.032 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

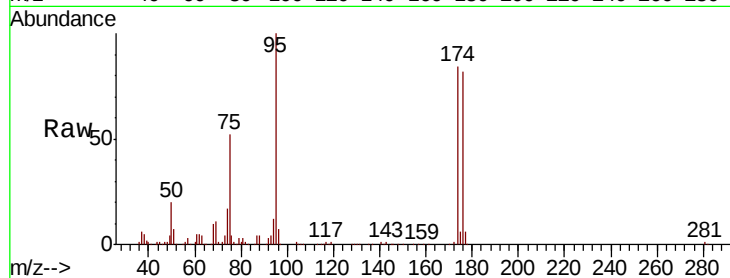
Tot Ion: 75 Resp: 117134

Ion Ratio Lower Upper

75 100

53 0.1 96.3 144.5#

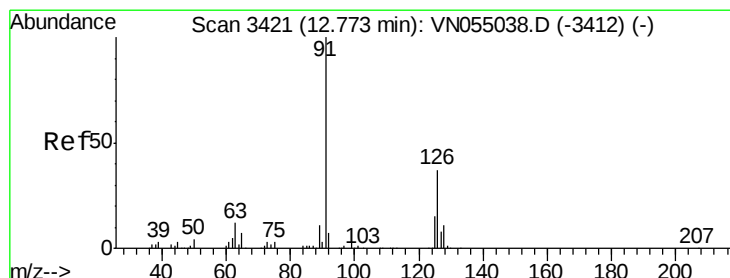
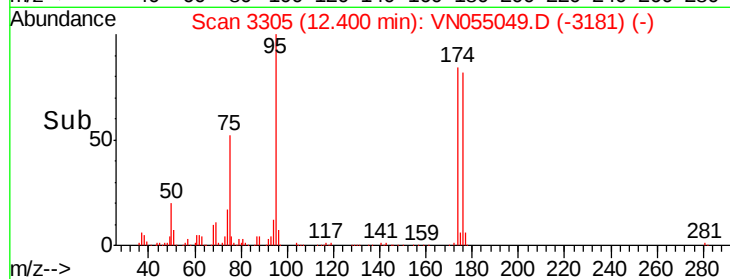
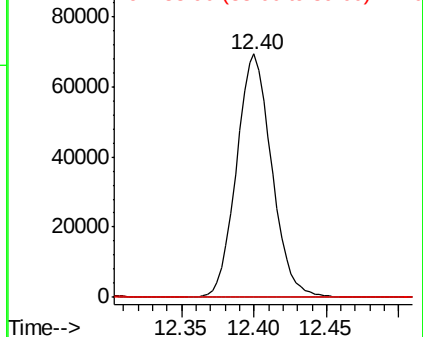
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.773 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN055049.D

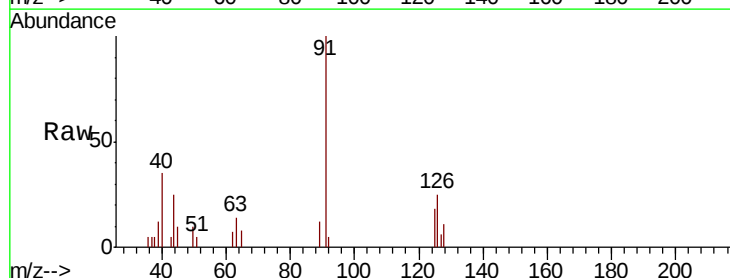
Acq: 15 Apr 2019 18:15

Tgt Ion: 91 Resp: 7393

Ion Ratio Lower Upper

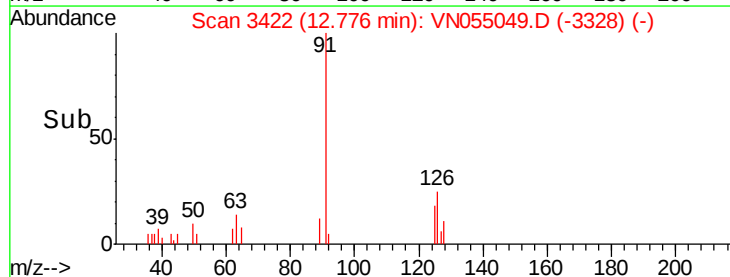
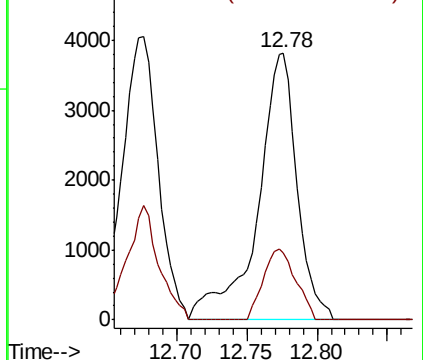
91 100

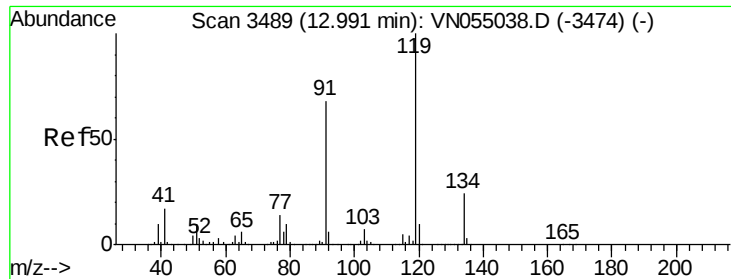
126 21.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

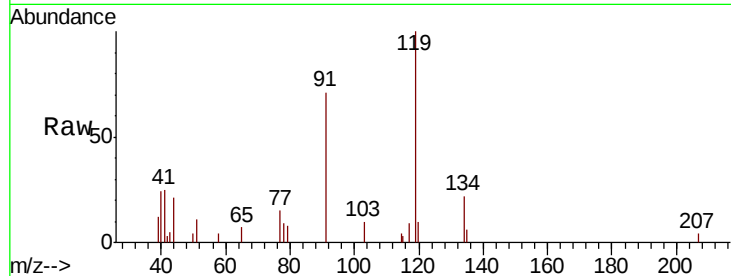




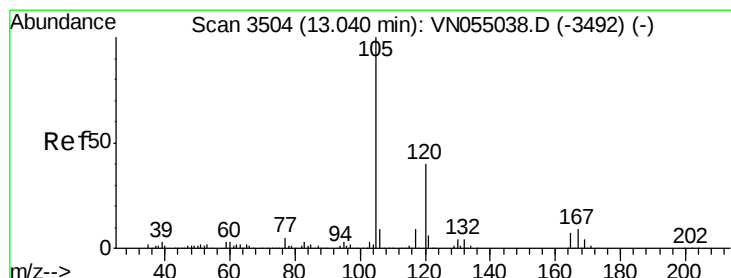
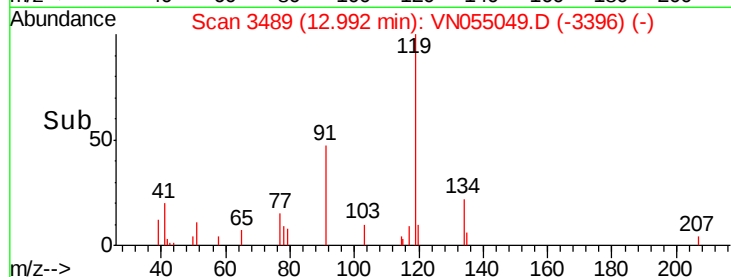
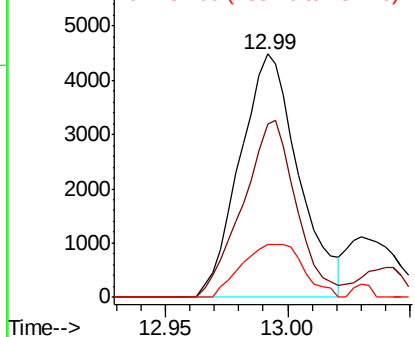
#83
tert-Butylbenzene
Concen: 0.722 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:119 Resp: 7485
Ion Ratio Lower Upper
119 100
91 66.3 33.3 99.8
134 23.0 12.3 36.9

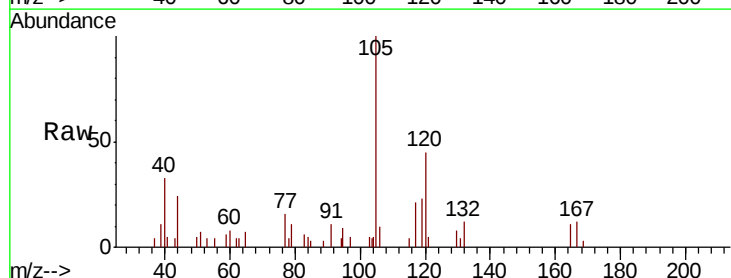


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

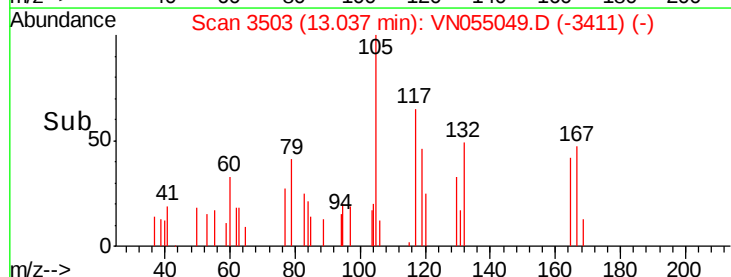
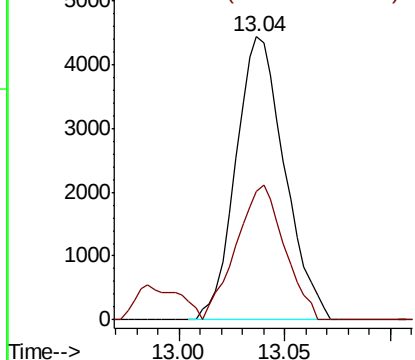


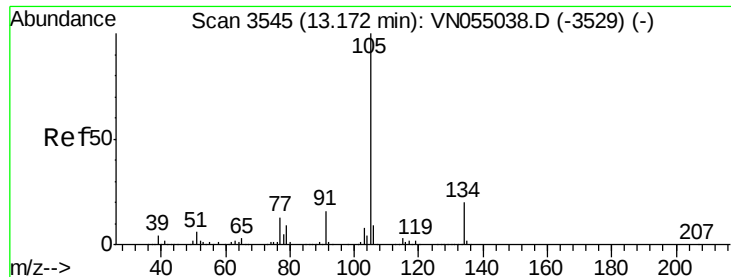
#84
1,2,4-Trimethylbenzene
Concen: 0.612 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055049.D
Acq: 15 Apr 2019 18:15

Tgt Ion:105 Resp: 7112
Ion Ratio Lower Upper
105 100
120 47.1 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 0.651 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

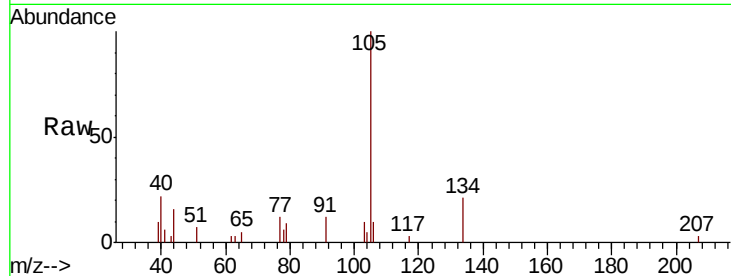
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 8590

Ion Ratio Lower Upper

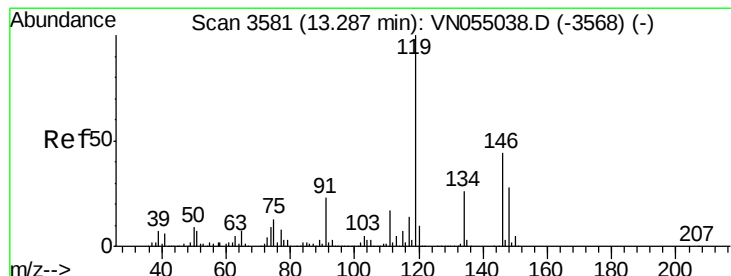
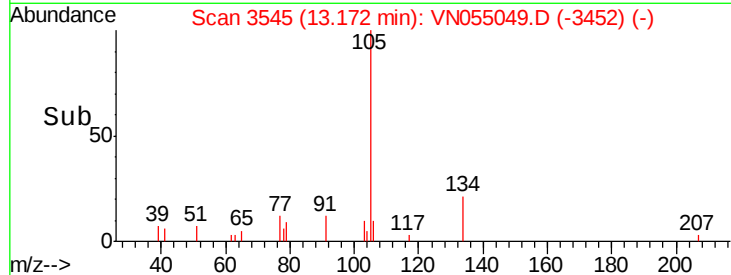
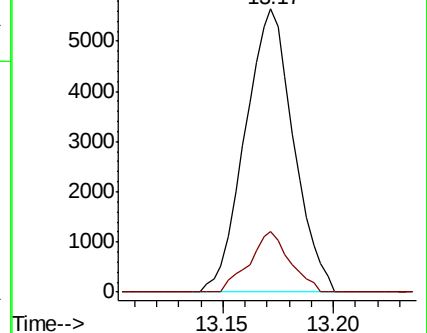
105 100

134 17.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.613 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

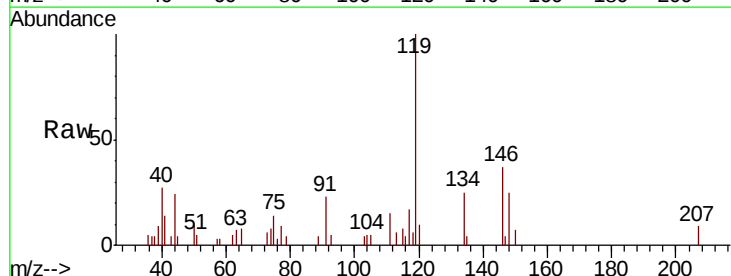
Tgt Ion:119 Resp: 6944

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

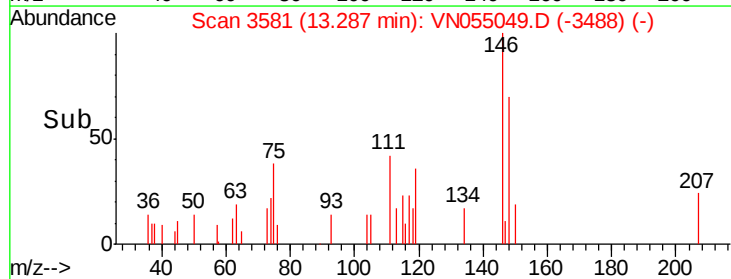
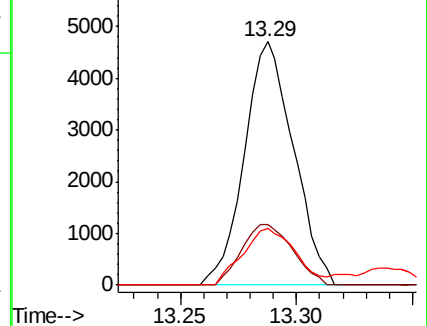
91 25.1 11.7 35.1

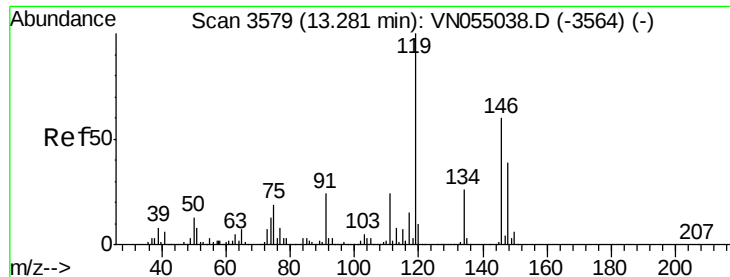


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

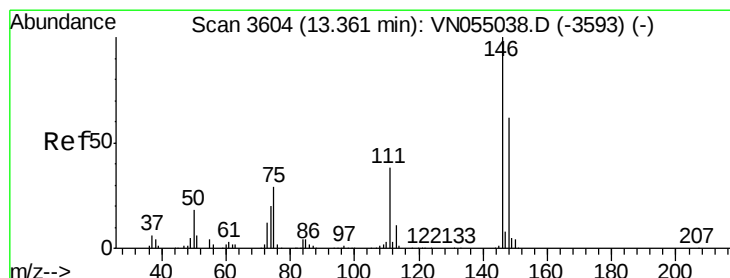
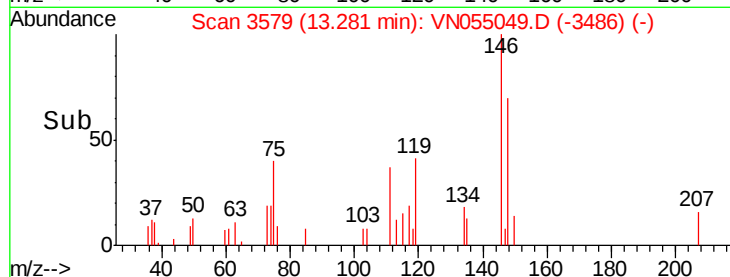
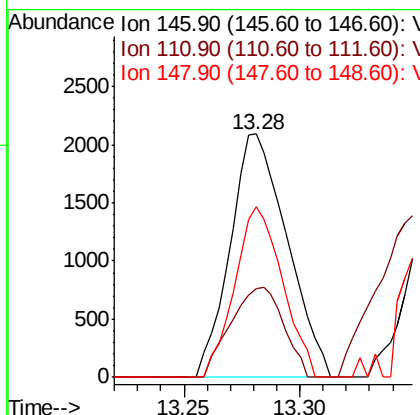
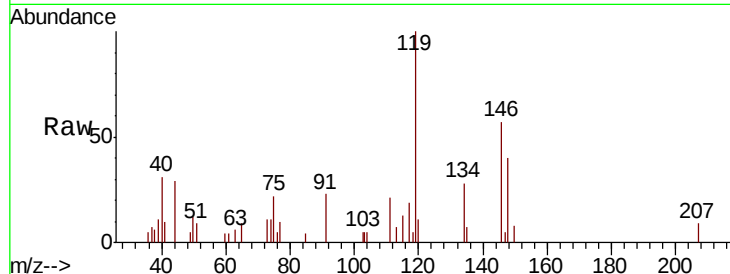




#87
 1,3-Dichlorobenzene
 Concen: 0.618 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

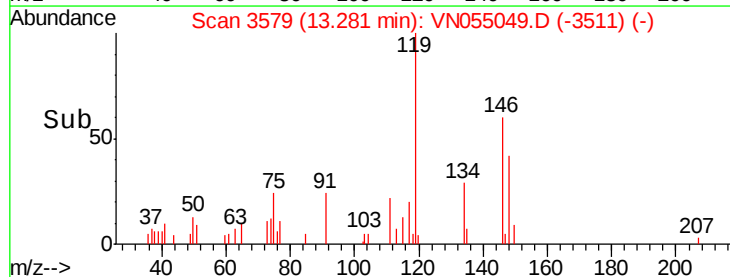
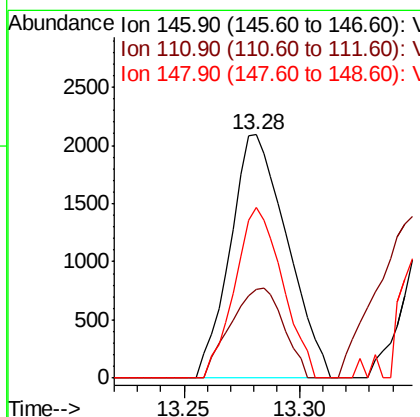
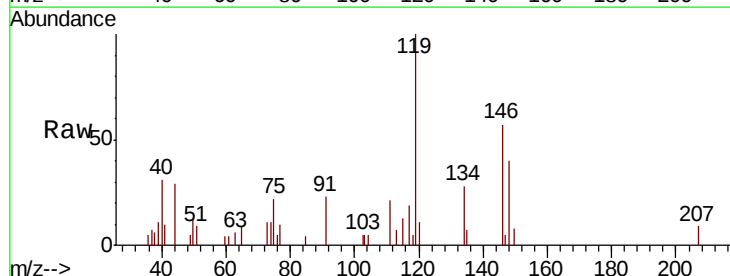
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

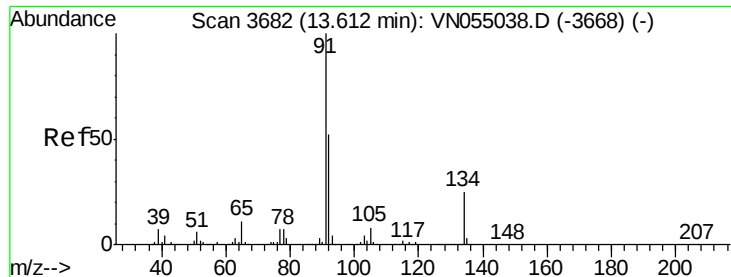
Tot Ion:146 Resp: 3561
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.5 58.5
 148 58.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 0.648 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Tgt Ion:146 Resp: 3561
 Ion Ratio Lower Upper
 146 100
 111 34.4 18.8 56.4
 148 58.9 32.4 97.2





#89

n-Butylbenzene

Concen: 0.554 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

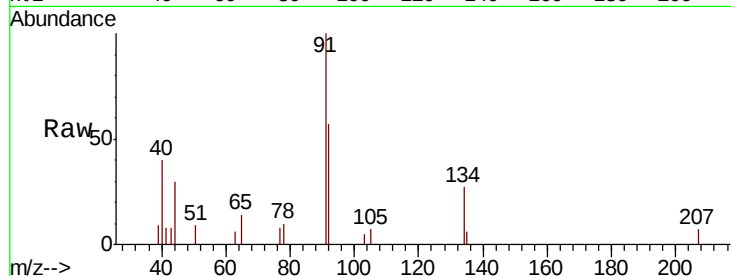
Tot Ion: 91 Resp: 4660

Ion Ratio Lower Upper

91 100

92 55.1 25.9 77.7

134 27.0 12.8 38.3

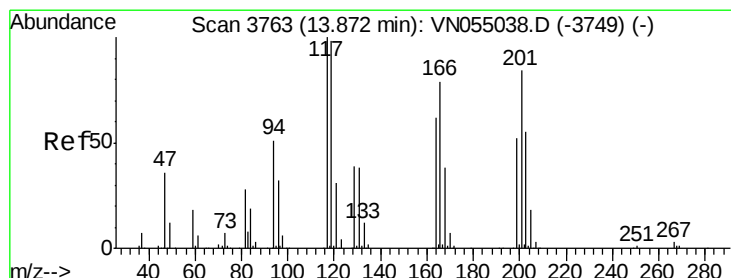
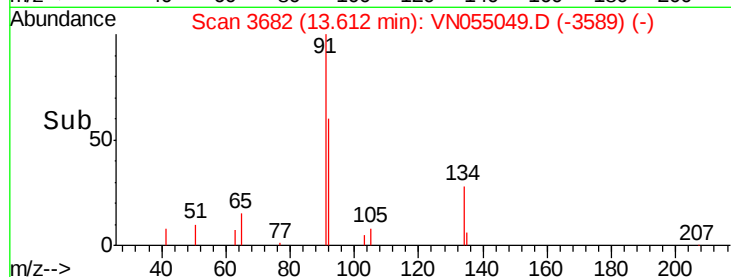


Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055038.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055038.D (-3668) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 0.558 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055049.D

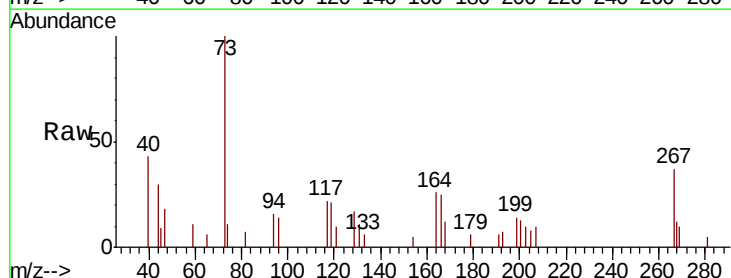
Acq: 15 Apr 2019 18:15

Tgt Ion: 117 Resp: 1029

Ion Ratio Lower Upper

117 100

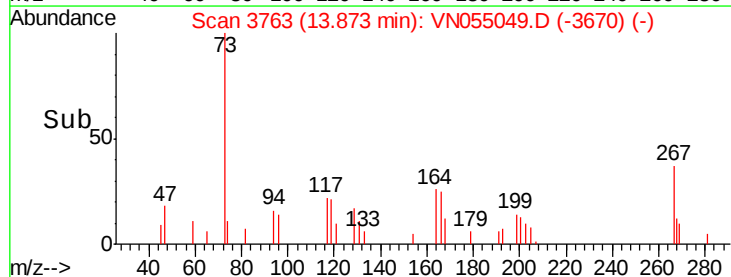
201 33.3 43.4 130.2#

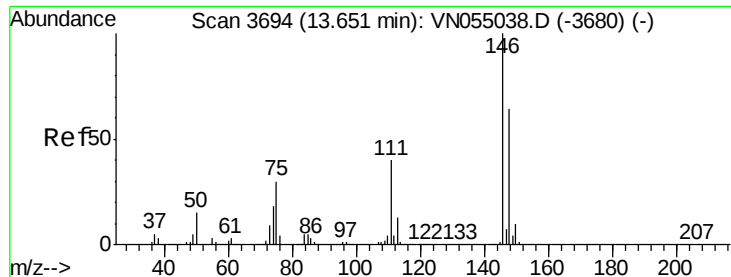


Abundance Ion 116.80 (116.50 to 117.50): VN055038.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055038.D (-3749) (-)

Time--> 13.85 13.90

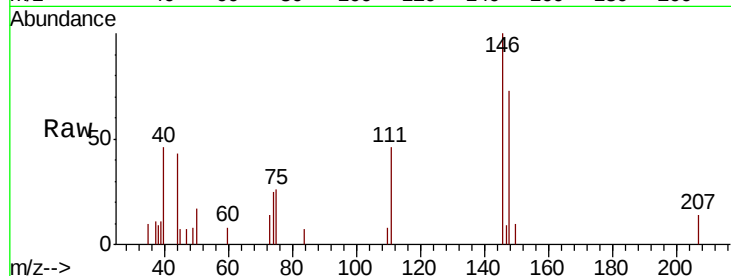




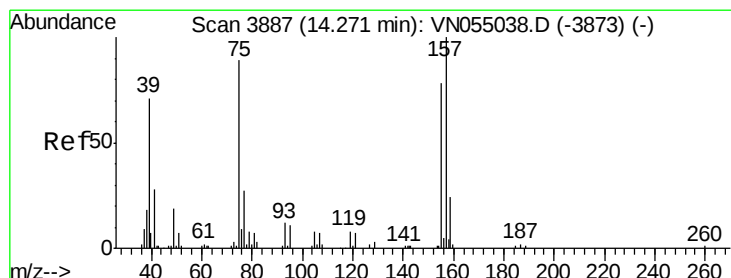
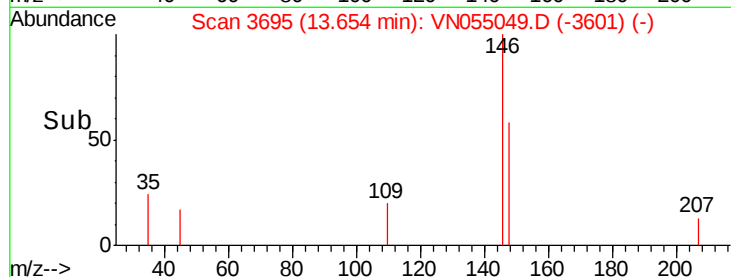
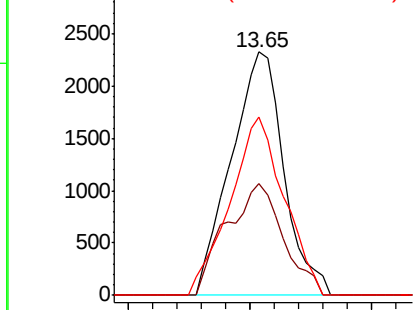
#91
 1,2-Dichlorobenzene
 Concen: 0.601 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:146 Resp: 3482
 Ion Ratio Lower Upper
 146 100
 111 49.7 20.3 60.9
 148 75.3 32.2 96.6

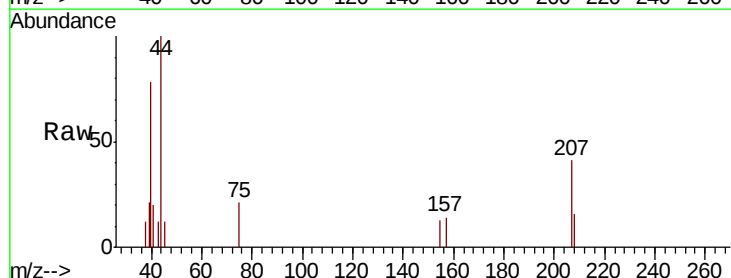


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

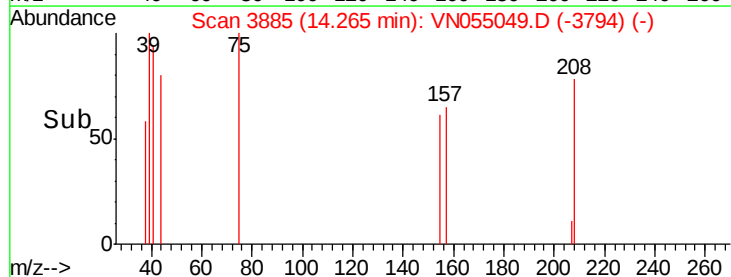
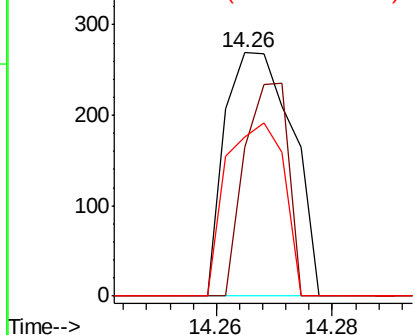


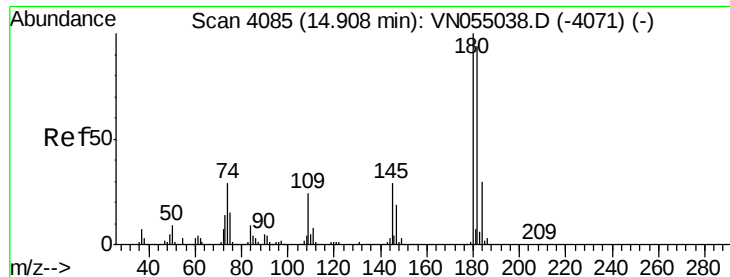
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.431 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Tgt Ion: 75 Resp: 216
 Ion Ratio Lower Upper
 75 100
 155 56.5 42.0 126.0
 157 60.6 52.1 156.4



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

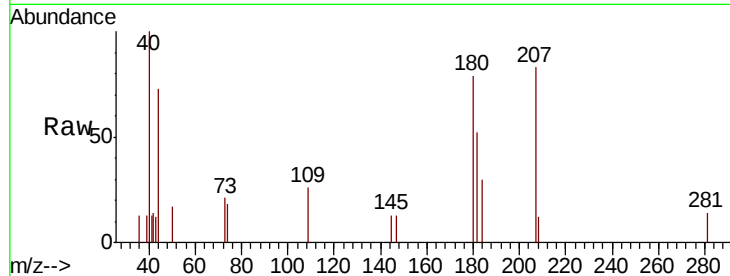




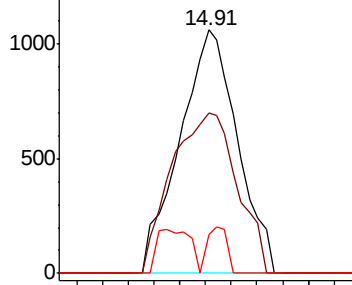
#93
 1,2,4-Trichlorobenzene
 Concen: 3.275 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

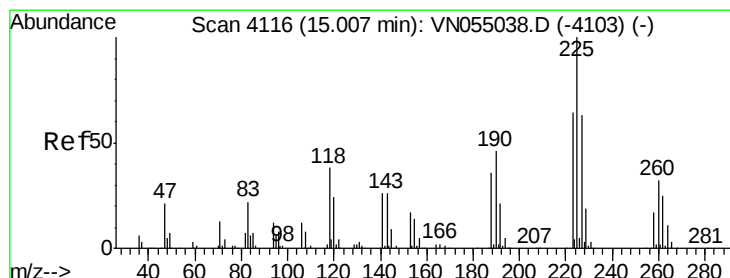
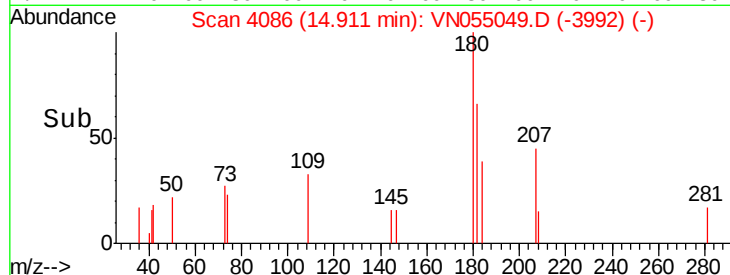
Tot Ion:180 Resp: 1659
 Ion Ratio Lower Upper
 180 100
 182 74.9 47.5 142.6
 145 6.5 14.2 42.8#



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

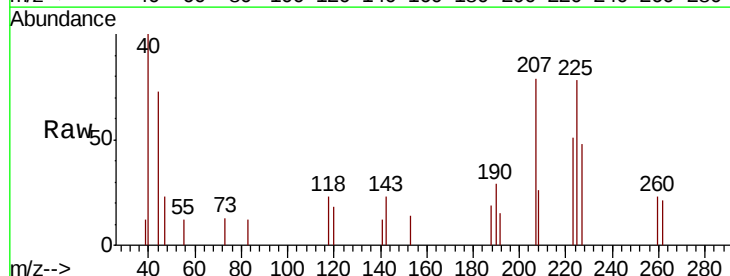


Time-->

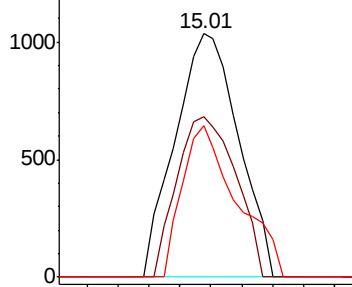


#94
 Hexachlorobutadiene
 Concen: 0.826 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055049.D
 Acq: 15 Apr 2019 18:15

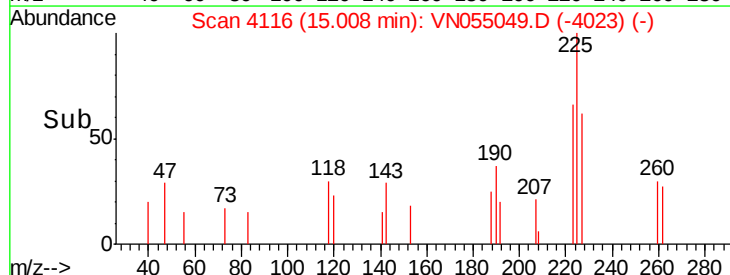
Tgt Ion:225 Resp: 1478
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.4 94.0
 227 53.7 32.6 97.7

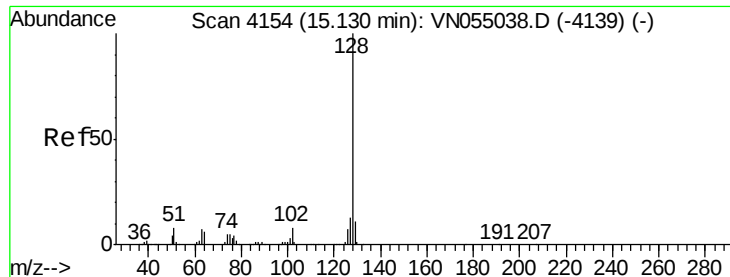


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 3.546 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

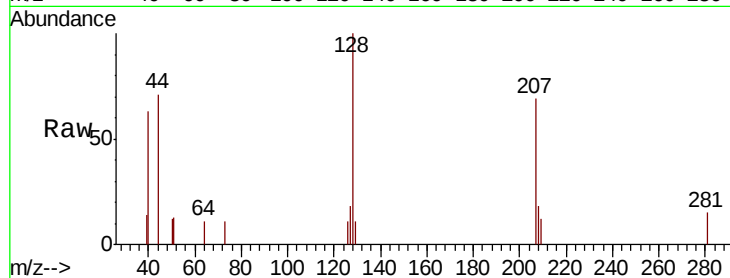
Tot Ion:128 Resp: 3056

Ion Ratio Lower Upper

128 100

127 14.8 10.1 15.1

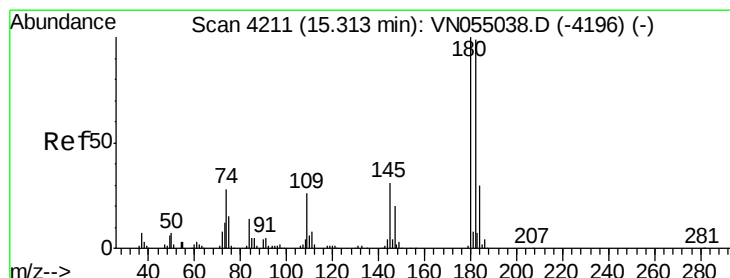
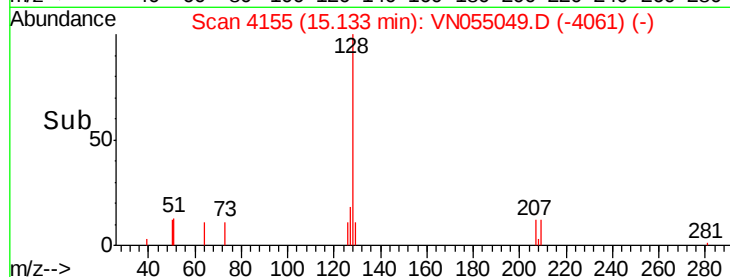
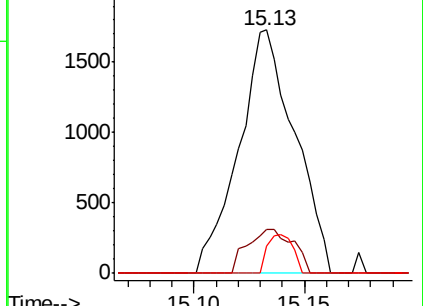
129 7.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.762 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN055049.D

Acq: 15 Apr 2019 18:15

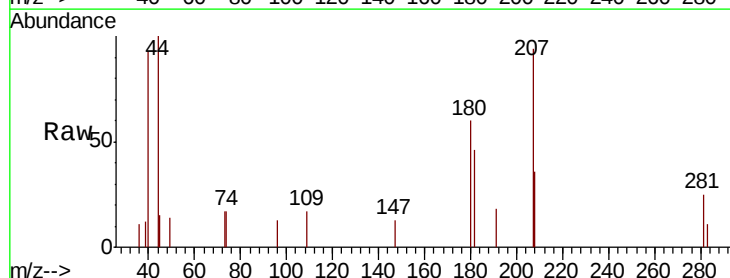
Tgt Ion:180 Resp: 1703

Ion Ratio Lower Upper

180 100

182 91.3 48.0 144.0

145 14.2 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

