

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054797.D
 Acq On : 30 Mar 2019 12:53
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 30 22:38:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	388187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	193976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	286318	54.72	ug/l	0.00
Spiked Amount						
			Recovery	=	109.44%	
35) Dibromofluoromethane	7.59	113	216291	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	
50) Toluene-d8	10.09	98	794898	48.98	ug/l	0.00
Spiked Amount						
			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	240705	44.59	ug/l	0.00
Spiked Amount						
			Recovery	=	89.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	4374	1.114	ug/l	100
3) Chloromethane	2.06	50	6007	1.106	ug/l	94
4) Vinyl Chloride	2.19	62	5211	1.069	ug/l	100
5) Bromomethane	2.57	94	3734	Below Cal		98
6) Chloroethane	2.71	64	2818	1.035	ug/l	95
7) Trichlorofluoromethane	3.02	101	6188	1.032	ug/l	98
8) Diethyl Ether	3.41	74	2165	1.122	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3227	1.023	ug/l	96
11) Tert butyl alcohol	4.82	59	584	2.142	ug/l #	70
12) 1,1-Dichloroethene	3.72	96	3414	1.119	ug/l #	78
13) Acrolein	3.62	56	99	0.406	ug/l #	1
14) Allyl chloride	4.32	41	7989	1.063	ug/l #	81
15) Acrylonitrile	5.01	53	7686	5.072	ug/l	94
16) Acetone	3.82	43	7588	6.081	ug/l #	81
17) Carbon Disulfide	4.04	76	10016	1.012	ug/l #	94
18) Methyl Acetate	4.33	43	4415	0.447	ug/l #	67
19) Methyl tert-butyl Ether	5.05	73	4649	0.436	ug/l	96
20) Methylene Chloride	4.54	84	5365	1.219	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	4051	1.011	ug/l	98
22) Diisopropyl ether	5.96	45	14055	0.945	ug/l #	84
23) Vinyl Acetate	5.91	43	46425	4.488	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	8016	1.011	ug/l #	95
25) 2-Butanone	6.86	43	4051	2.196	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	4349	0.961	ug/l	85
28) Bromochloromethane	7.20	49	4388	1.107	ug/l #	67
29) Tetrahydrofuran	7.23	42	7209	5.627	ug/l #	81
30) Chloroform	7.37	83	8037	1.063	ug/l	95
31) Cyclohexane	7.65	56	9400	Below Cal	#	60
32) 1,1,1-Trichloroethane	7.58	97	6360	1.015	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	7173	1.176	ug/l #	81
37) Ethyl Acetate	6.94	43	2743	0.613	ug/l #	90
38) Carbon Tetrachloride	7.77	117	6978	1.177	ug/l #	90
39) Methylcyclohexane	9.08	83	6117	0.912	ug/l #	81
40) Benzene	8.04	78	16707	0.957	ug/l	94

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

41) Methacrylonitrile	7.18	41	1563	0.622	ug/l #	73
42) 1,2-Dichloroethane	8.12	62	6807	1.092	ug/l	84
43) Isopropyl Acetate	8.17	43	8389	1.154	ug/l #	71
44) Trichloroethene	8.84	130	4414	0.974	ug/l	94
45) 1,2-Dichloropropane	9.12	63	5007	1.006	ug/l	95
46) Dibromomethane	9.21	93	2747	0.981	ug/l #	86
47) Bromodichloromethane	9.41	83	4975	0.855	ug/l #	97
48) Methyl methacrylate	9.20	41	4299	1.091	ug/l #	70
49) 1,4-Dioxane	9.20	88	907	23.195	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	20021	4.898	ug/l	93
52) Toluene	10.16	92	9381	0.903	ug/l	94
53) t-1,3-Dichloropropene	10.39	75	4506	0.823	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	5072	0.776	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	3956	1.024	ug/l	94
56) Ethyl methacrylate	10.43	69	4427	0.874	ug/l #	77
57) 1,3-Dichloropropane	10.71	76	6586	0.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	8675	14.164	ug/l #	88
59) 2-Hexanone	10.76	43	13546	5.177	ug/l	83
60) Dibromochloromethane	10.90	129	3295	0.842	ug/l	92
61) 1,2-Dibromoethane	11.01	107	3185	0.863	ug/l	96
64) Tetrachloroethene	10.63	164	4350	1.027	ug/l	96
65) Chlorobenzene	11.43	112	10521	0.973	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	3347	0.827	ug/l #	65
67) Ethyl Benzene	11.51	91	17017	0.872	ug/l	92
68) m/p-Xylenes	11.62	106	12783	1.771	ug/l	97
69) o-Xylene	11.95	106	6273	0.886	ug/l	92
70) Styrene	11.97	104	9187	0.812	ug/l	90
71) Bromoform	12.13	173	1852	0.781	ug/l #	100
73) Isopropylbenzene	12.25	105	16141	1.018	ug/l	99
74) N-amyl acetate	12.07	43	4415	0.894	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	4345	Below Cal		94
76) 1,2,3-Trichloropropane	12.40	75	129510	38.432	ug/l #	100
77) Bromobenzene	12.53	156	3753	0.981	ug/l	68
78) n-propylbenzene	12.59	91	17752	1.019	ug/l	92
79) 2-Chlorotoluene	12.67	91	11196	1.038	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	12525	0.963	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	129510	149.492	ug/l #	11
82) 4-Chlorotoluene	12.77	91	10848	1.036	ug/l	91
83) tert-Butylbenzene	12.99	119	11391	Below Cal		94
84) 1,2,4-Trimethylbenzene	13.04	105	12238	0.987	ug/l	95
85) sec-Butylbenzene	13.17	105	14067	0.995	ug/l	98
86) p-Isopropyltoluene	13.29	119	10966	0.880	ug/l	92
87) 1,3-Dichlorobenzene	13.28	146	6260	0.977	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	6260	0.996	ug/l	95
89) n-Butylbenzene	13.62	91	7946	0.781	ug/l	93
90) Hexachloroethane	13.88	117	1951	0.922	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	6683	1.034	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	417	0.769	ug/l	75
93) 1,2,4-Trichlorobenzene	14.90	180	2343	0.752	ug/l	91
94) Hexachlorobutadiene	15.01	225	2337	Below Cal		89

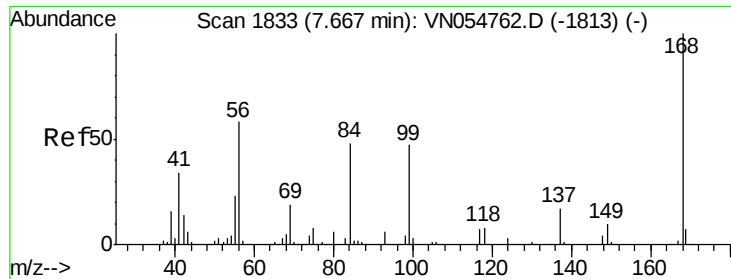
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	5862	0.838	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2612	0.830	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

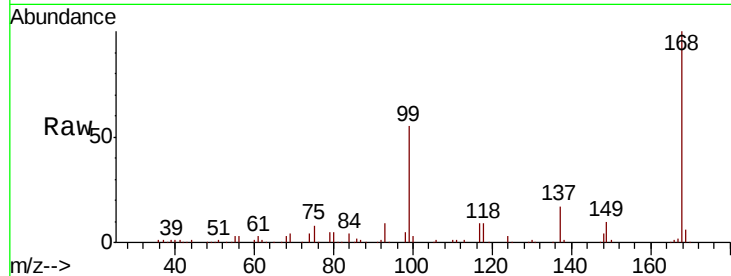
LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 388187

Ion Ratio Lower Upper

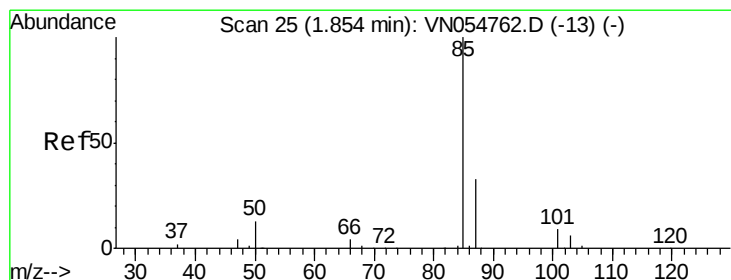
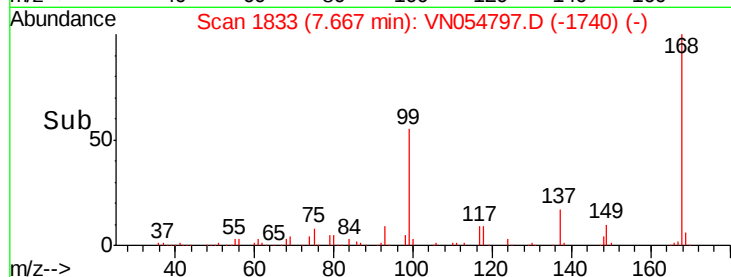
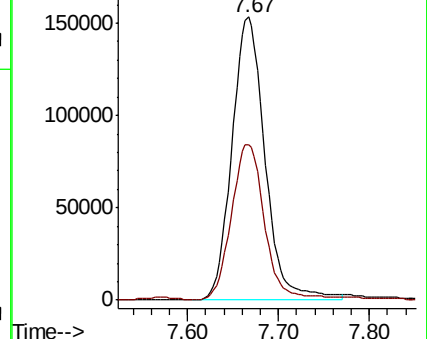
168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 1.114 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054797.D

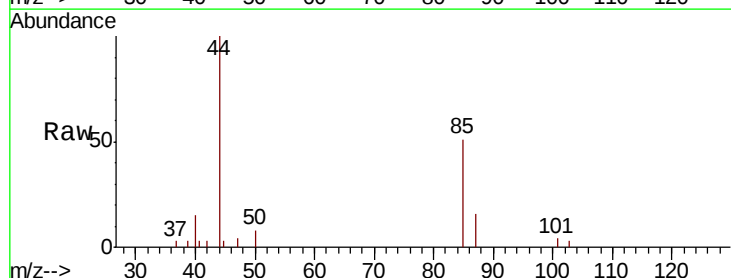
Acq: 30 Mar 2019 12:53

Tgt Ion: 85 Resp: 4374

Ion Ratio Lower Upper

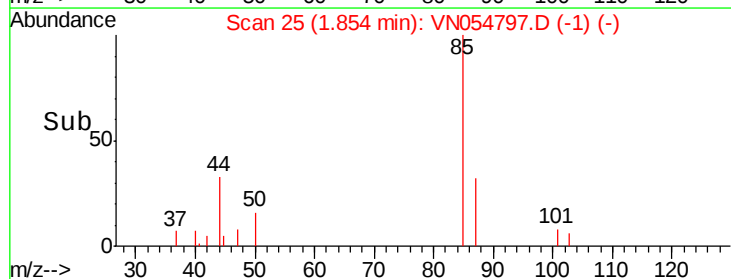
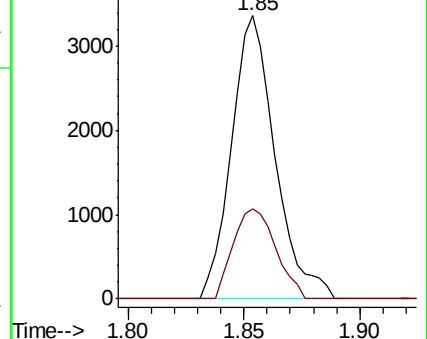
85 100

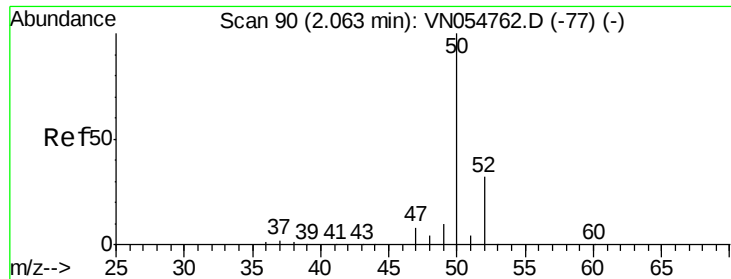
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 1.106 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

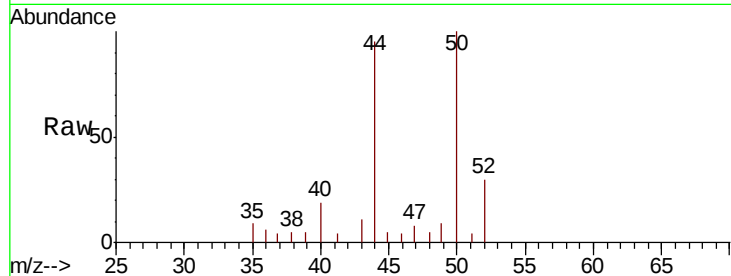
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 6007

Ion Ratio Lower Upper

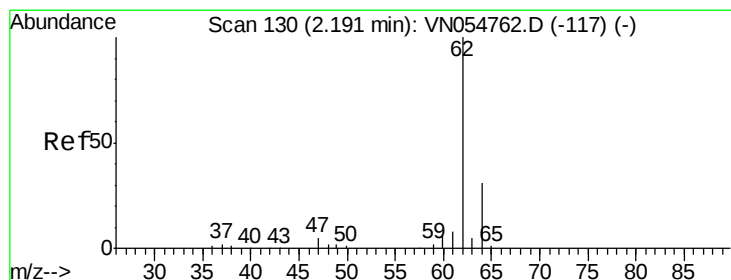
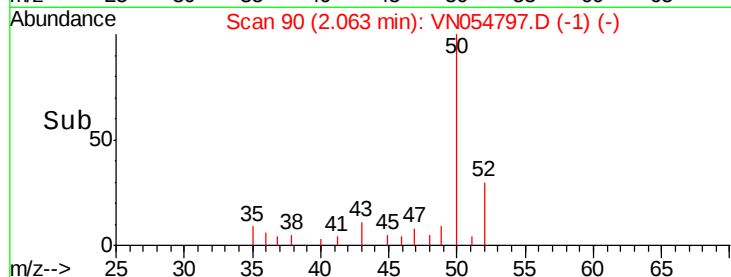
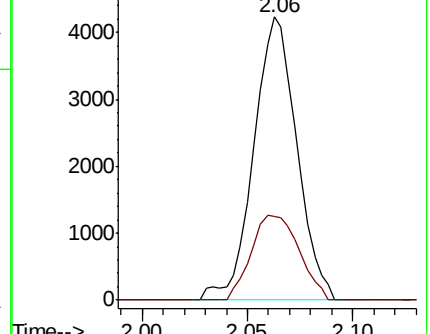
50 100

52 29.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.069 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054797.D

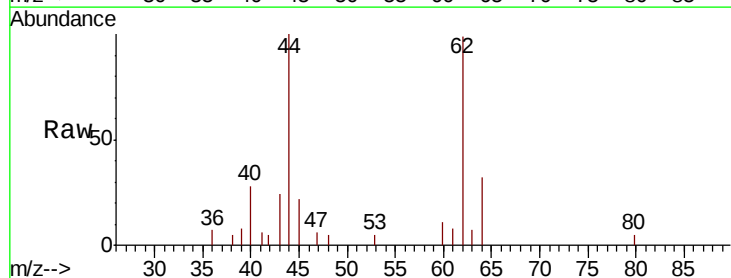
Acq: 30 Mar 2019 12:53

Tgt Ion: 62 Resp: 5211

Ion Ratio Lower Upper

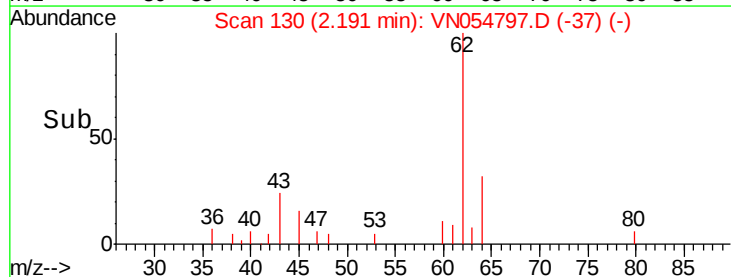
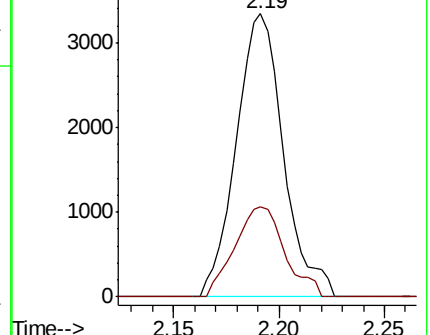
62 100

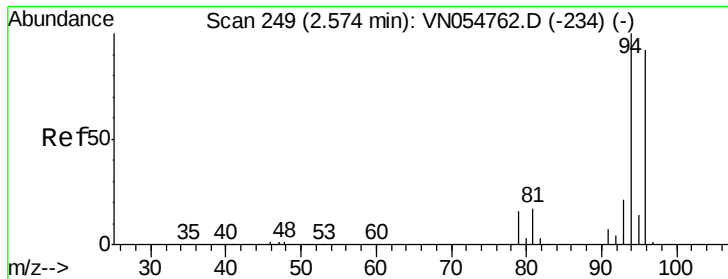
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

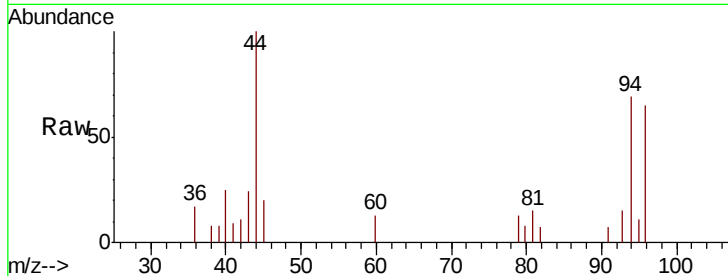
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 3734

Ion Ratio Lower Upper

94 100

96 94.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054797.D (-156) (-)

2.57

2000

1500

1000

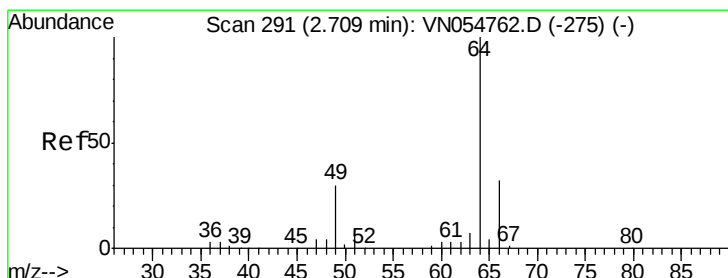
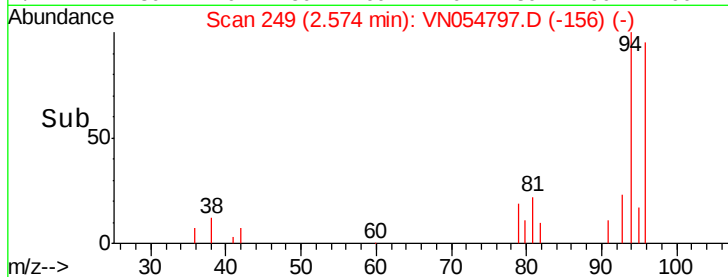
500

0

2.55

2.60

Time-->



#6

Chloroethane

Concen: 1.035 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054797.D

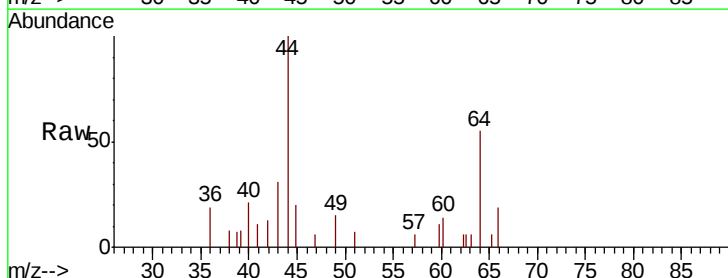
Acq: 30 Mar 2019 12:53

Tgt Ion: 64 Resp: 2818

Ion Ratio Lower Upper

64 100

66 34.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054762.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN054797.D (-198) (-)

2.71

1500

1000

500

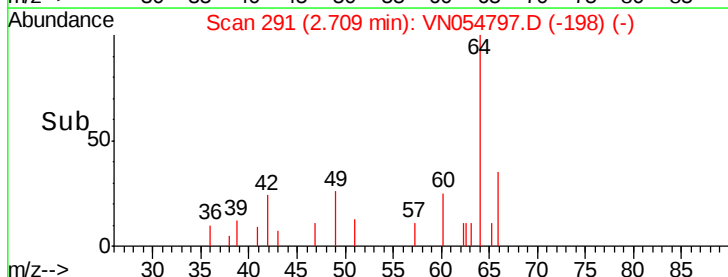
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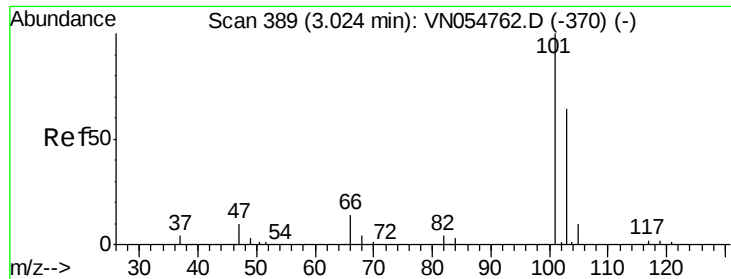
2.65

2.70

2.75

Time-->



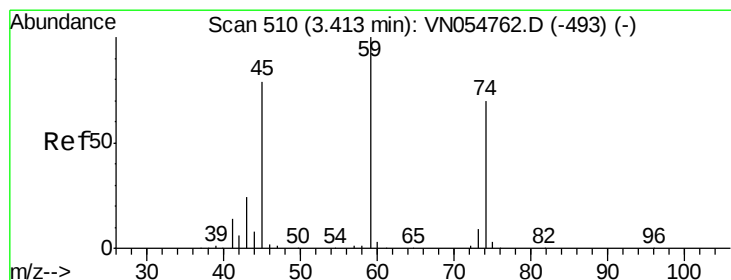
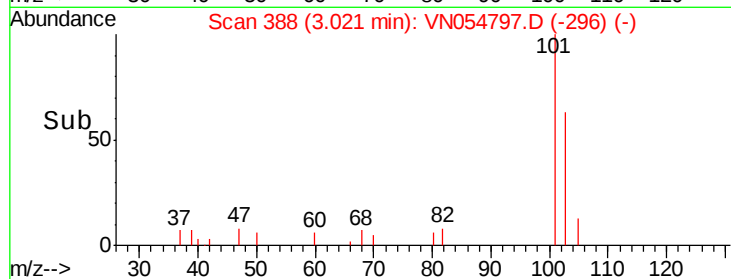
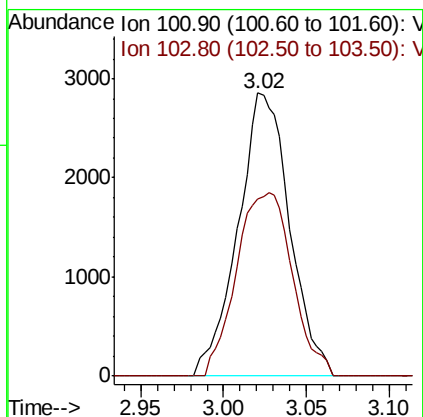
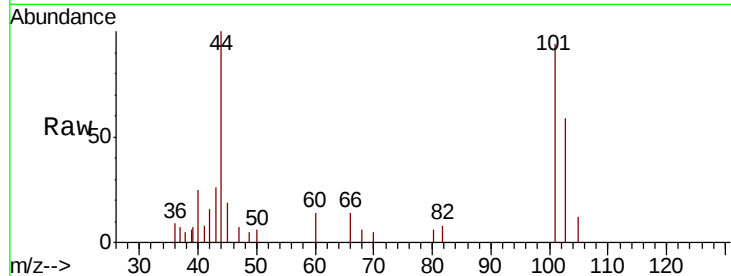


#7

Trichlorofluoromethane
 Concen: 1.032 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

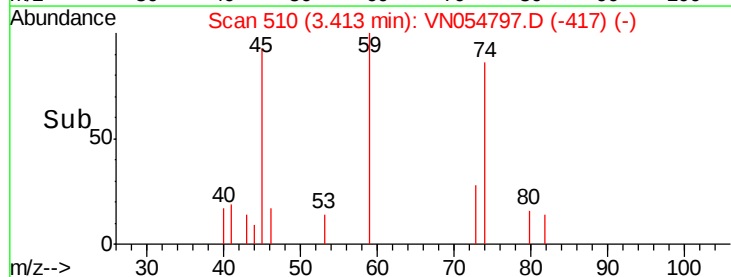
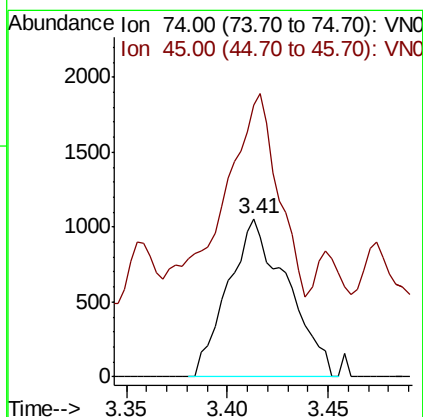
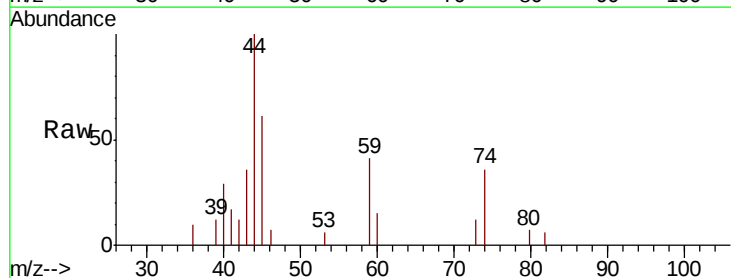
Tot Ion:101 Resp: 6188
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.4 77.2

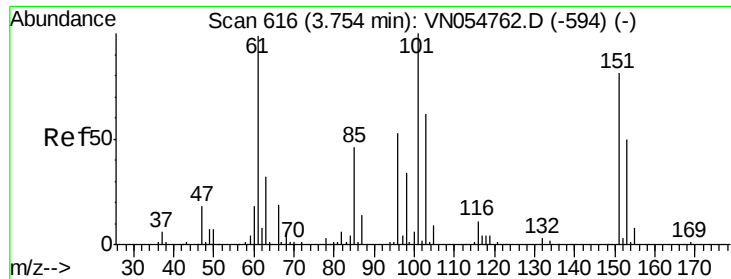


#8

Diethyl Ether
 Concen: 1.122 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 74 Resp: 2165
 Ion Ratio Lower Upper
 74 100
 45 116.5 43.1 129.4

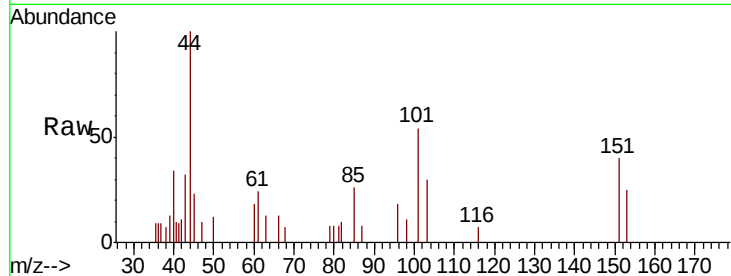




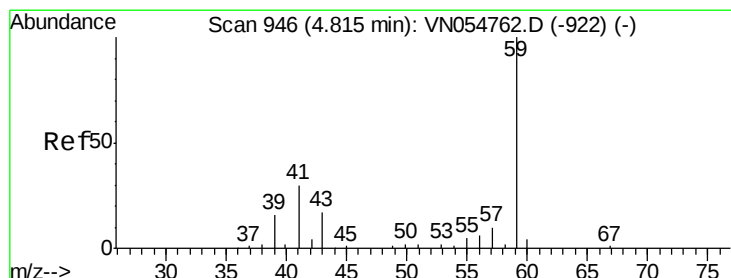
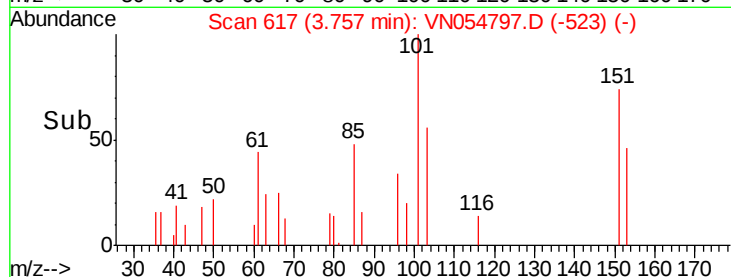
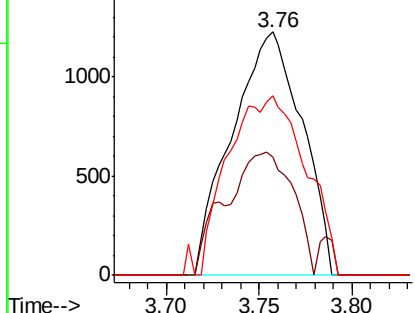
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.023 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

Tot Ion:101 Resp: 3227
 Ion Ratio Lower Upper
 101 100
 85 37.7 32.4 48.6
 151 81.5 68.2 102.2

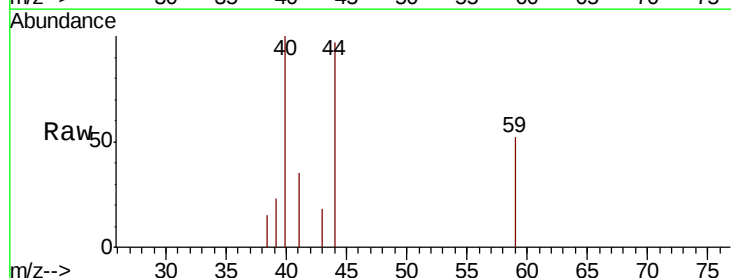


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

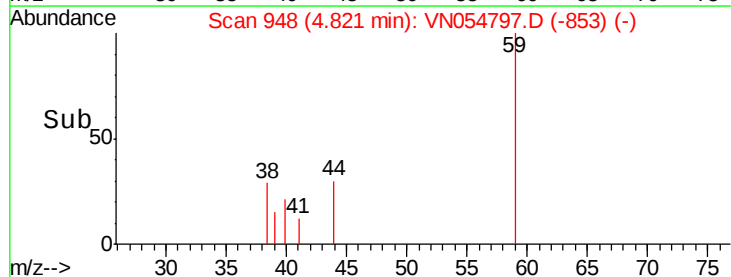
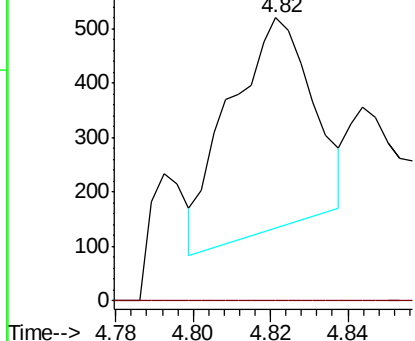


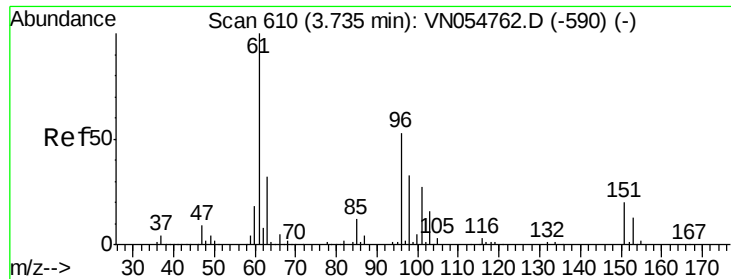
#11
 Tert butyl alcohol
 Concen: 2.142 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 59 Resp: 584
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN
 Ion 57.00 (56.70 to 57.70): VN





#12

1,1-Dichloroethene

Concen: 1.119 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

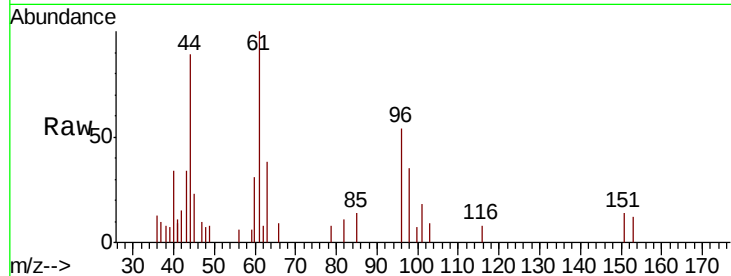
Tot Ion: 96 Resp: 3414

Ion Ratio Lower Upper

96 100

61 185.0 116.5 174.7#

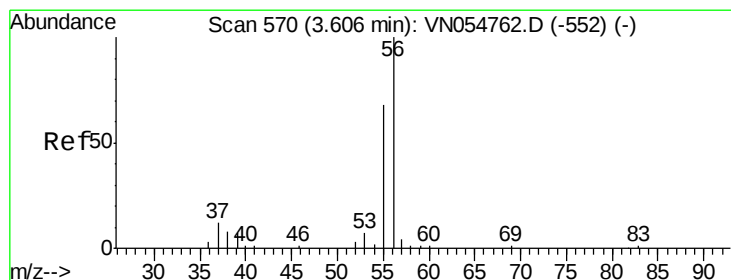
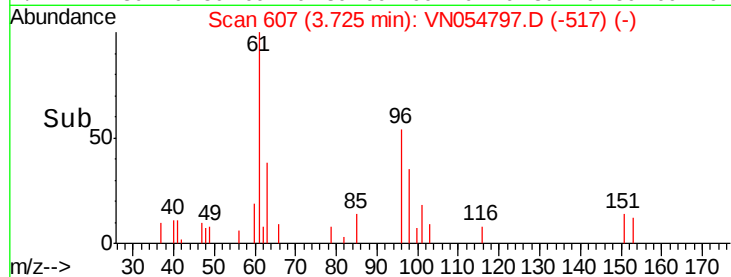
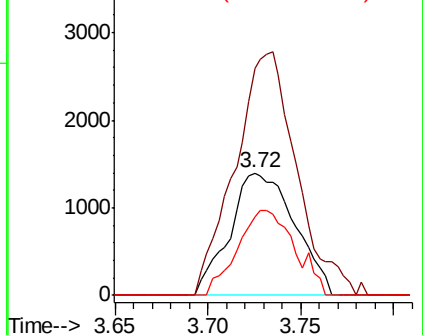
98 64.0 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN054797.D (-517) (-)

Ion 60.90 (60.60 to 61.60): VN054797.D (-517) (-)

Ion 97.90 (97.60 to 98.60): VN054797.D (-517) (-)



#13

Acrolein

Concen: 0.406 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN054797.D

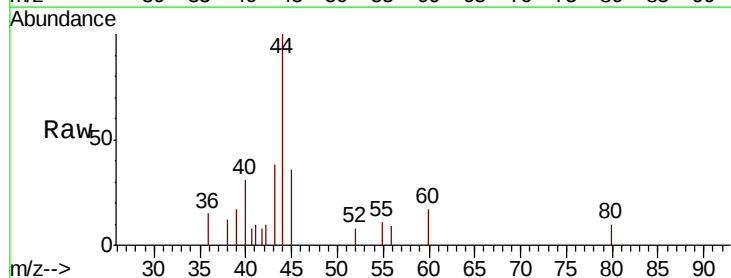
Acq: 30 Mar 2019 12:53

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

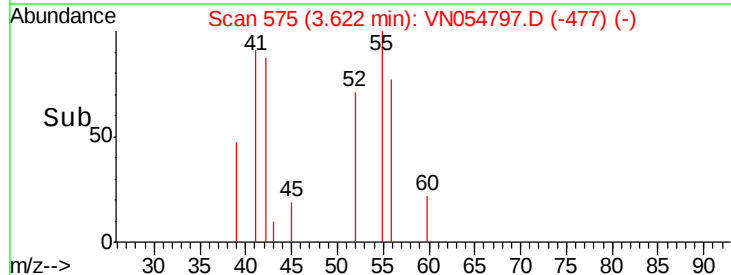
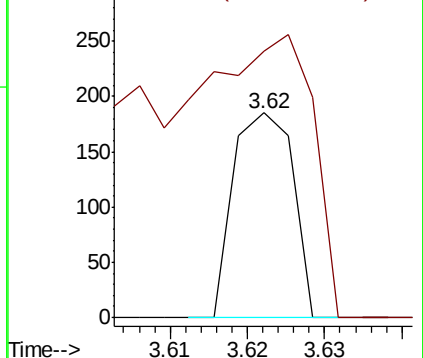
56 100

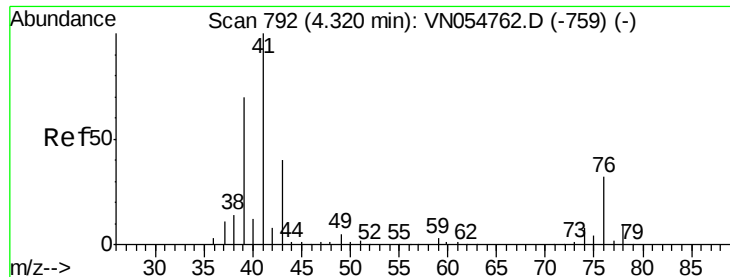
55 222.2 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054797.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054797.D (-477) (-)





#14

Allvl chloride

Concen: 1.063 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

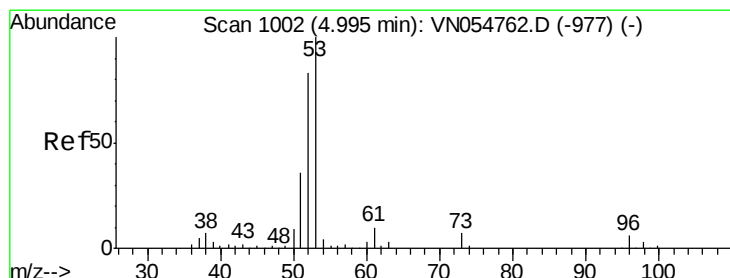
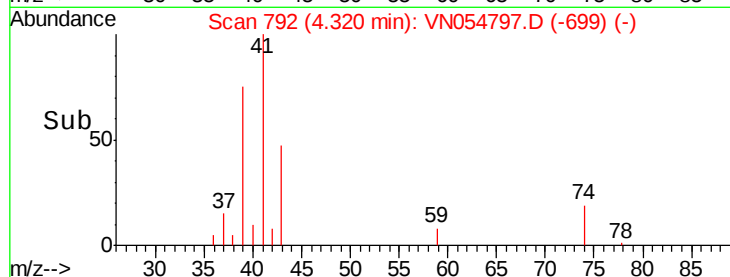
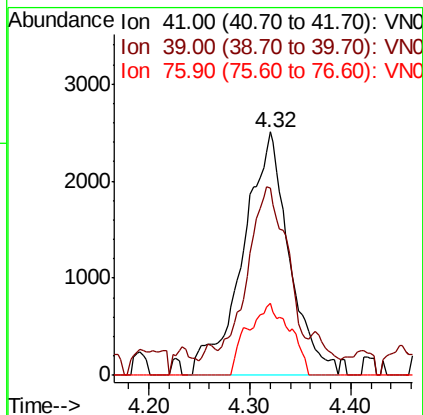
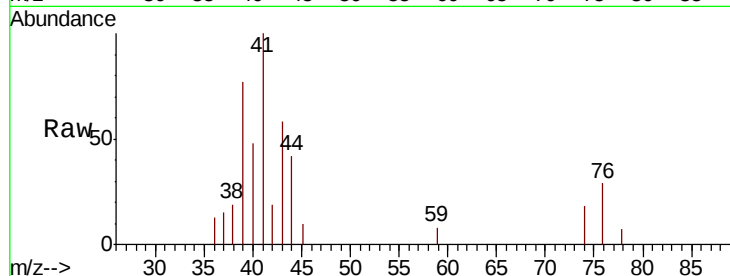
Tot Ion: 41 Resp: 7989

Ion Ratio Lower Upper

41 100

39 58.2 58.2 87.4#

76 26.7 31.7 47.5#



#15

Acrylonitrile

Concen: 5.072 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

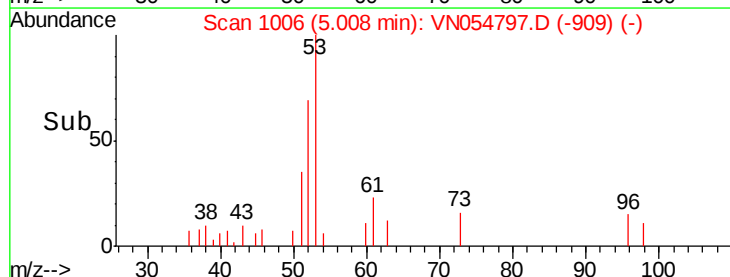
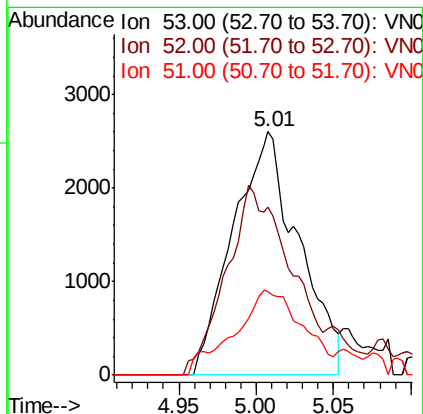
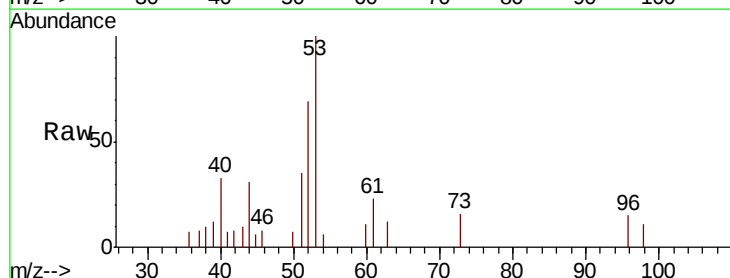
Tgt Ion: 53 Resp: 7686

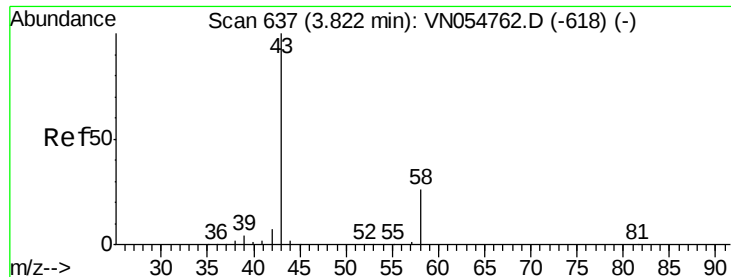
Ion Ratio Lower Upper

53 100

52 76.0 66.4 99.6

51 36.7 29.6 44.4





#16

Acetone

Concen: 6.081 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

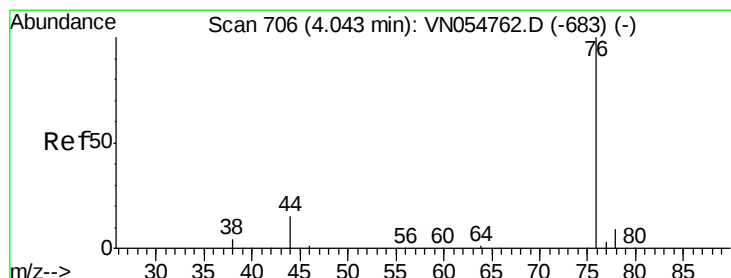
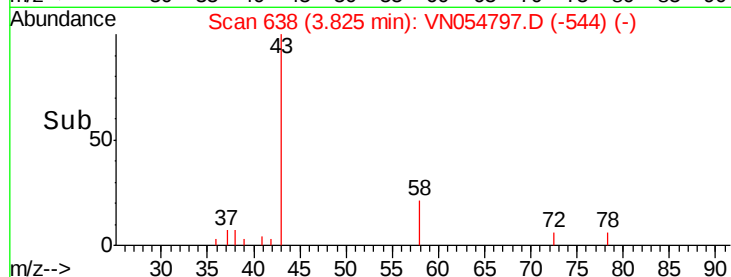
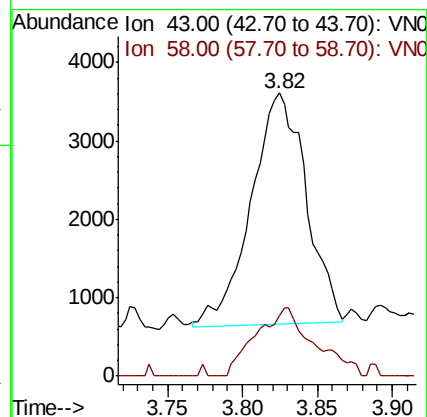
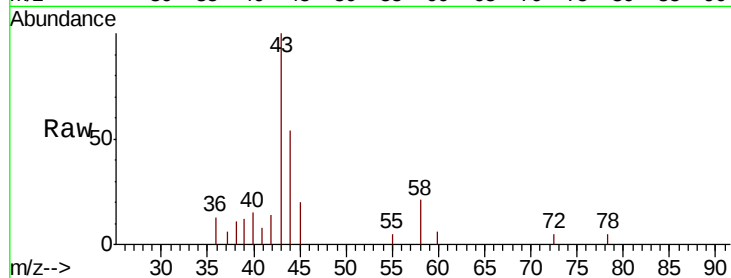
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 7588

Ion Ratio Lower Upper

43 100

58 26.3 29.9 44.9#



#17

Carbon Disulfide

Concen: 1.012 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054797.D

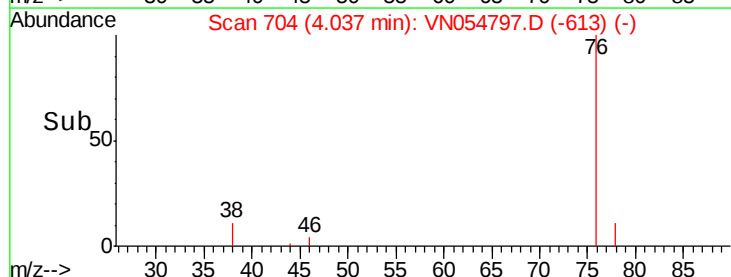
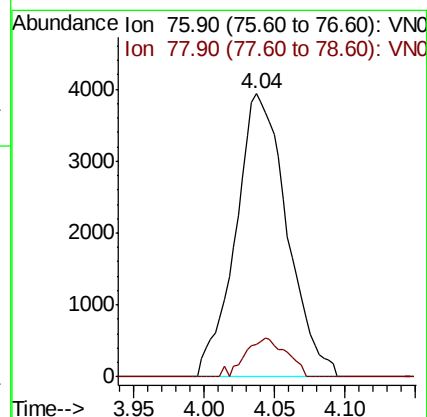
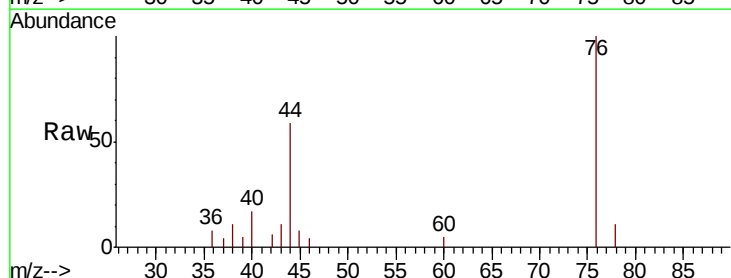
Acq: 30 Mar 2019 12:53

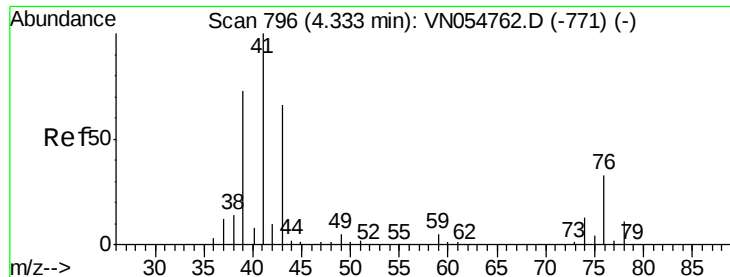
Tgt Ion: 76 Resp: 10016

Ion Ratio Lower Upper

76 100

78 11.4 7.5 11.3#

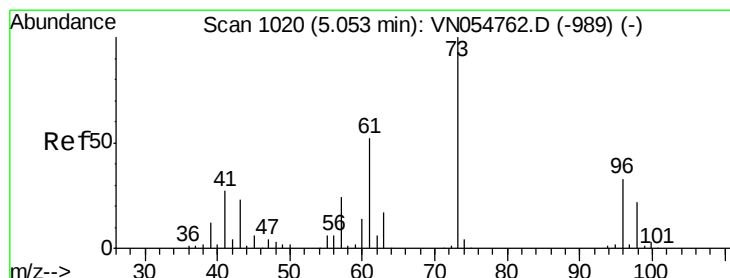
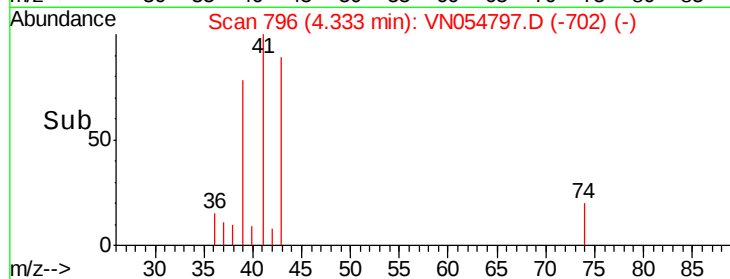
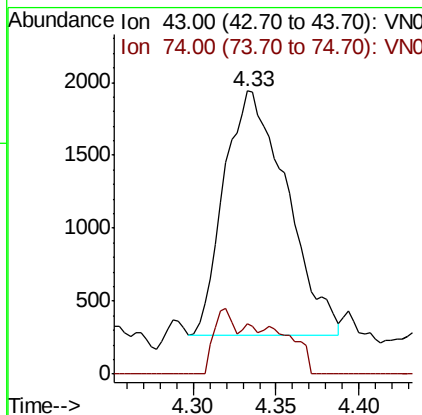
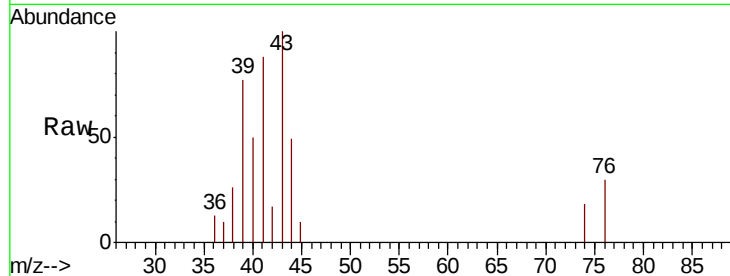




#18
Methyl Acetate
Concen: 0.447 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

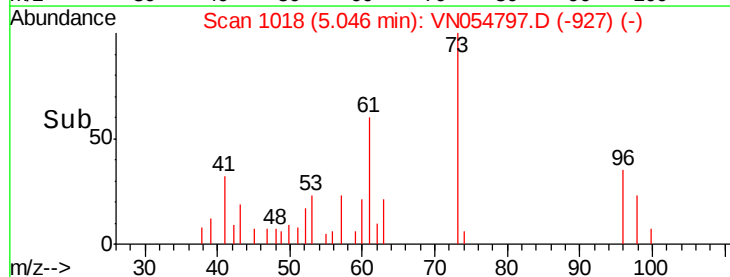
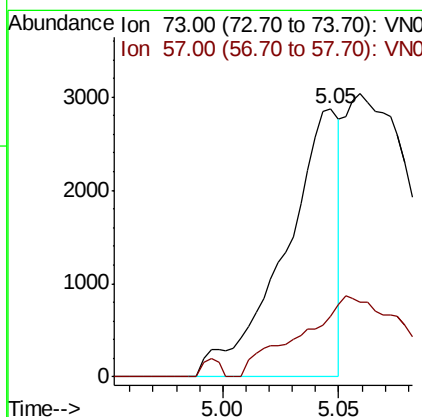
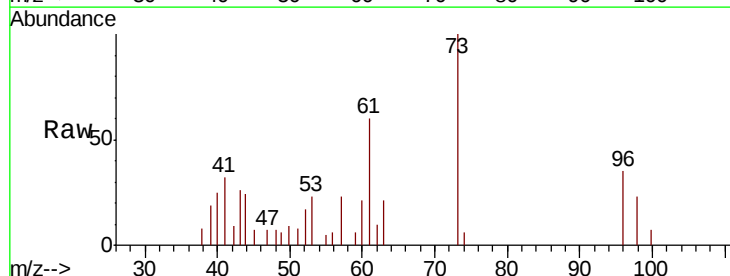
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

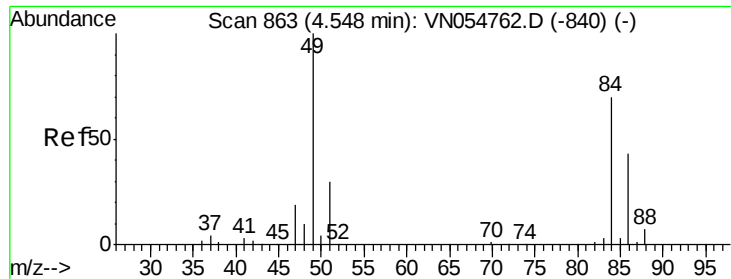
Tot Ion: 43 Resp: 4415
Ion Ratio Lower Upper
43 100
74 8.9 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 0.436 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 73 Resp: 4649
Ion Ratio Lower Upper
73 100
57 22.7 16.8 25.2

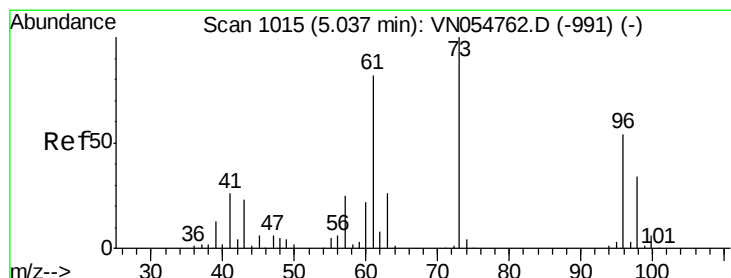
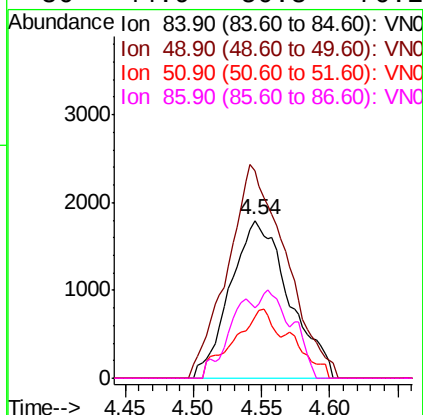
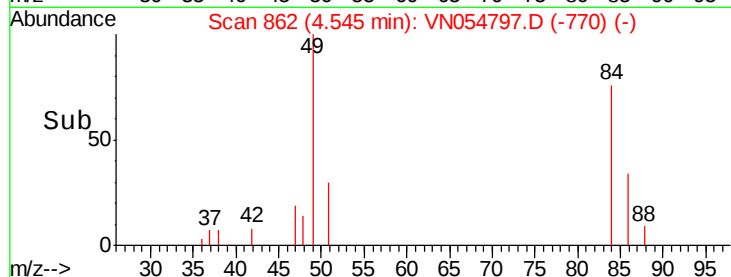
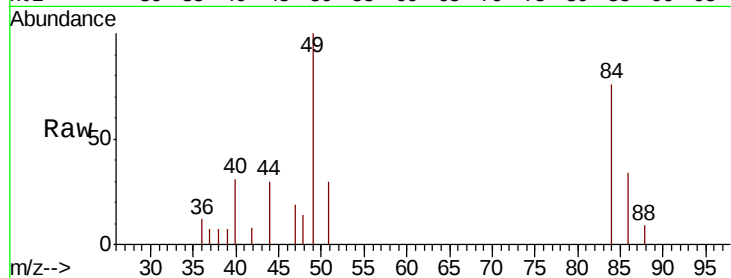




#20
Methvlene Chloride
Concen: 1.219 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

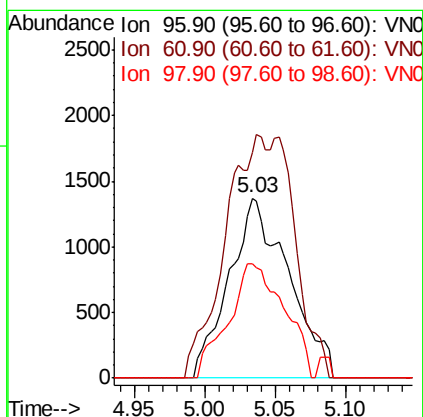
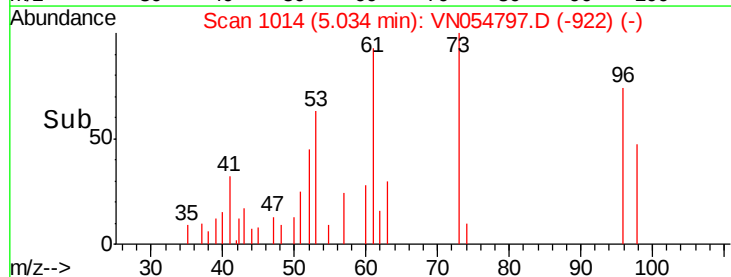
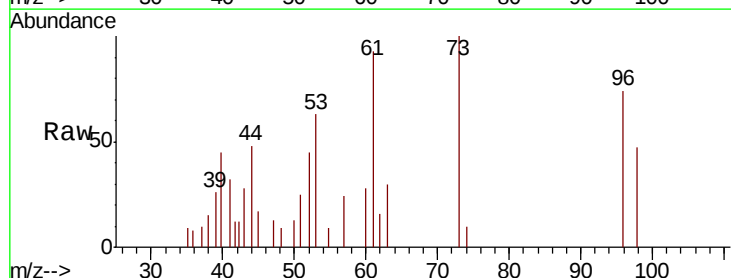
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

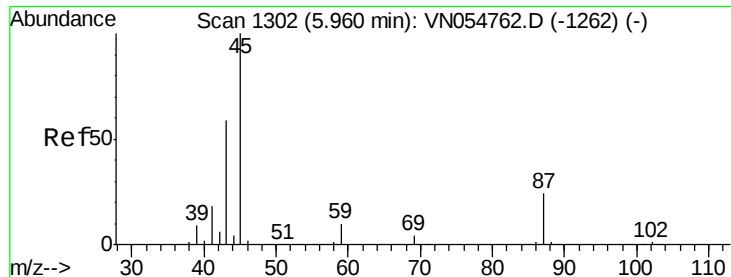
Tot Ion: 84 Resp: 5365
Ion Ratio Lower Upper
84 100
49 131.5 89.7 134.5
51 38.9 28.2 42.4
86 44.9 50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: 1.011 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 96 Resp: 4051
Ion Ratio Lower Upper
96 100
61 125.3 102.8 154.2
98 63.1 50.0 75.0





#22

Diisopropyl ether

Concen: 0.945 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 45 Resp: 14055

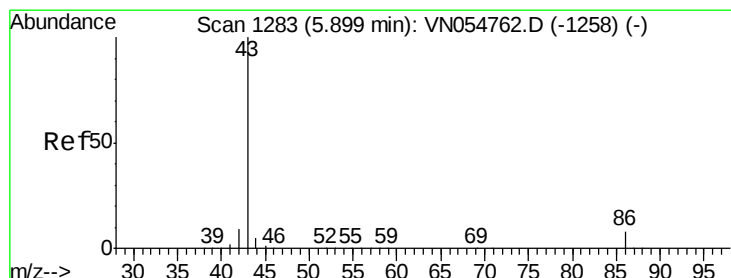
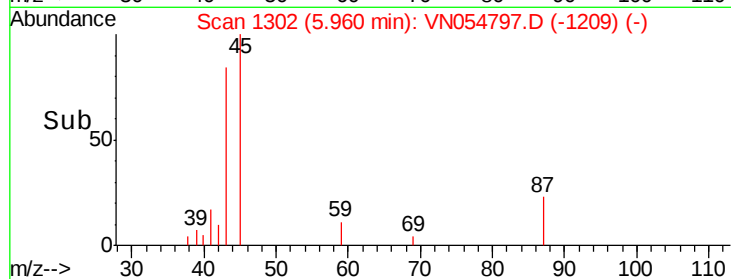
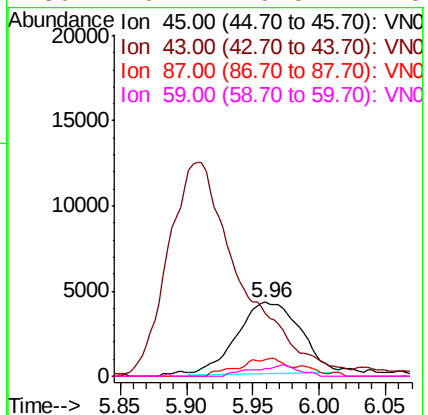
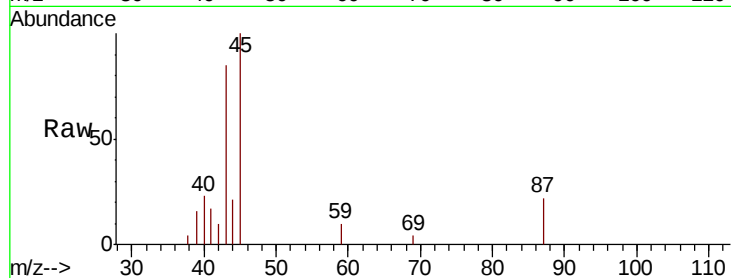
Ion Ratio Lower Upper

45 100

43 75.5 48.2 72.2#

87 23.5 24.9 37.3#

59 10.7 9.5 14.3



#23

Vinyl Acetate

Concen: 4.488 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VN054797.D

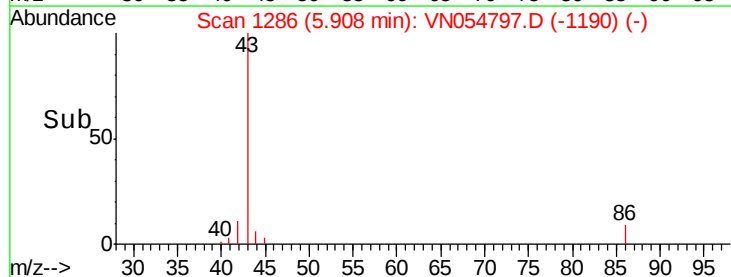
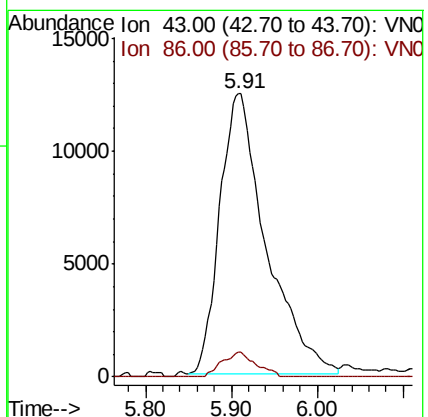
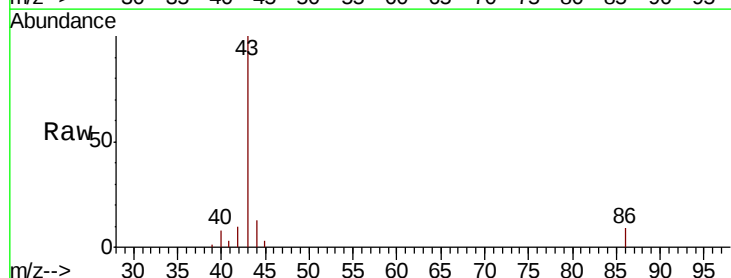
Acq: 30 Mar 2019 12:53

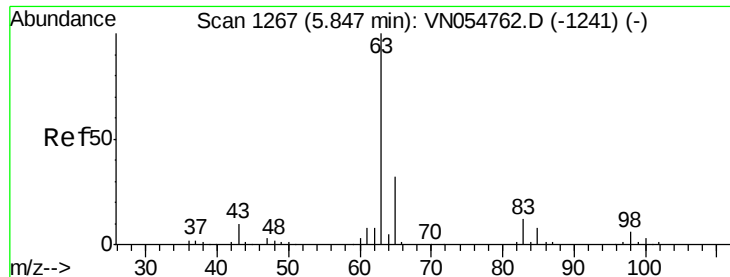
Tgt Ion: 43 Resp: 46425

Ion Ratio Lower Upper

43 100

86 8.9 9.1 13.7#

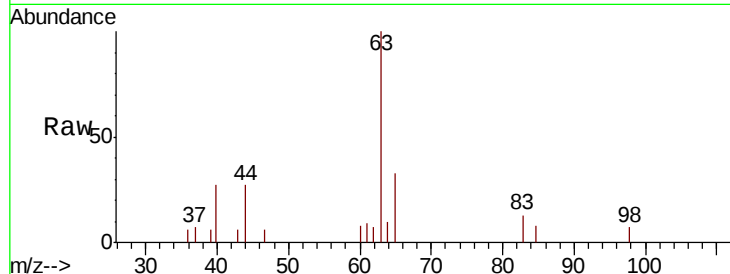




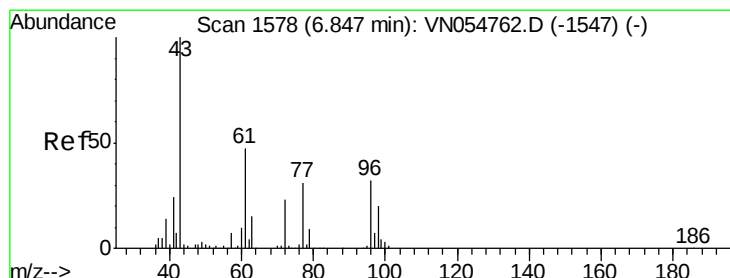
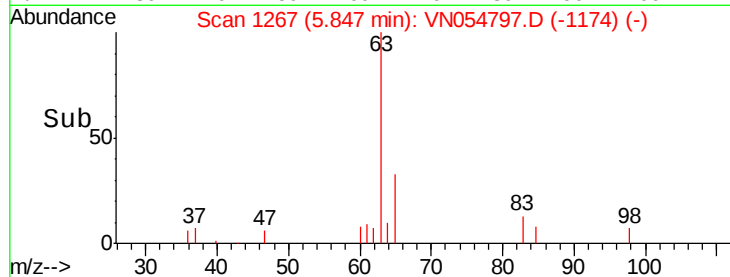
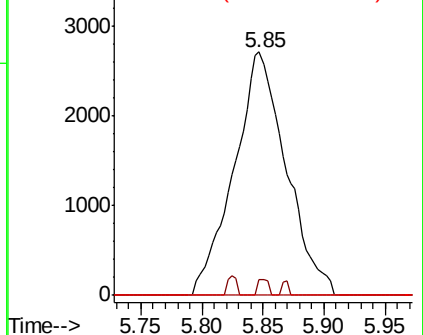
#24
 1,1-Dichloroethane
 Concen: 1.011 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

Tot Ion: 63 Resp: 8016
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 0.0 2.0 6.0#

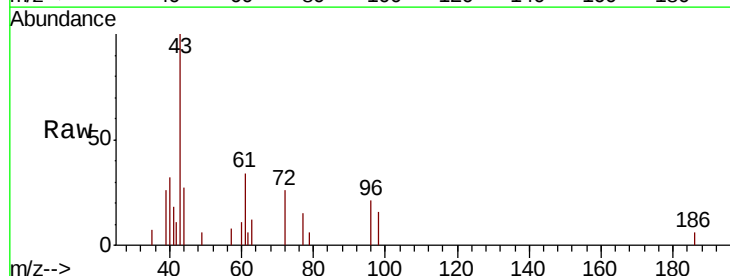


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

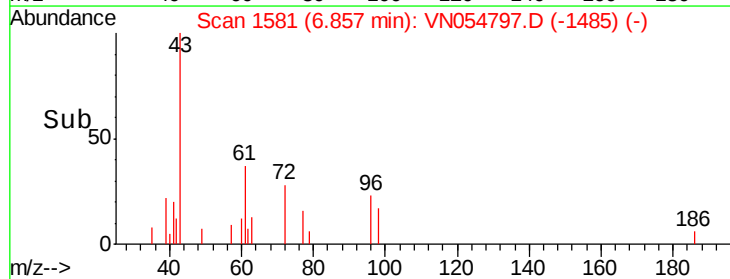
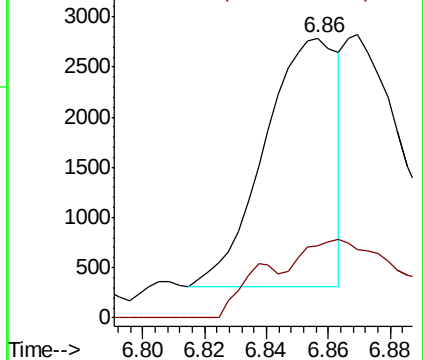


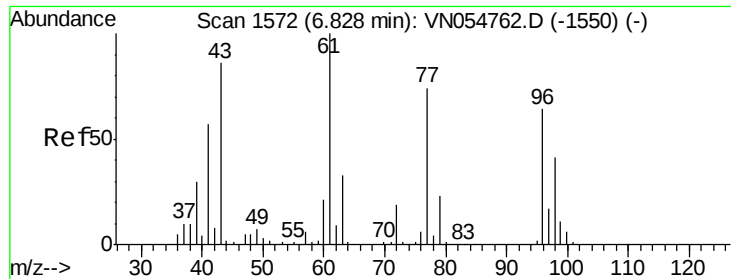
#25
 2-Butanone
 Concen: 2.196 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 43 Resp: 4051
 Ion Ratio Lower Upper
 43 100
 72 28.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.961 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

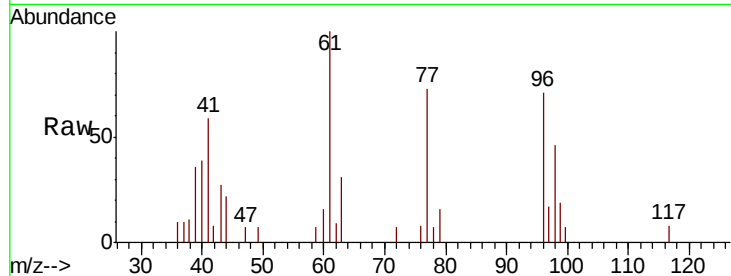
Tot Ion: 96 Resp: 4349

Ion Ratio Lower Upper

96 100

61 159.0 0.0 273.0

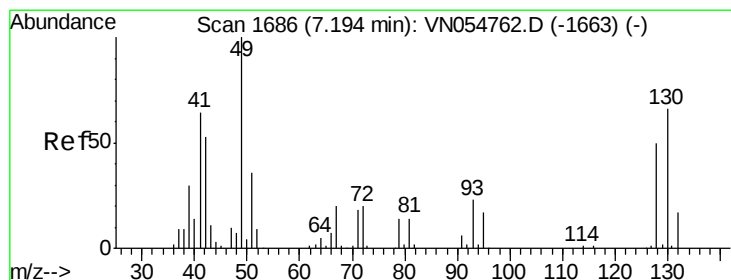
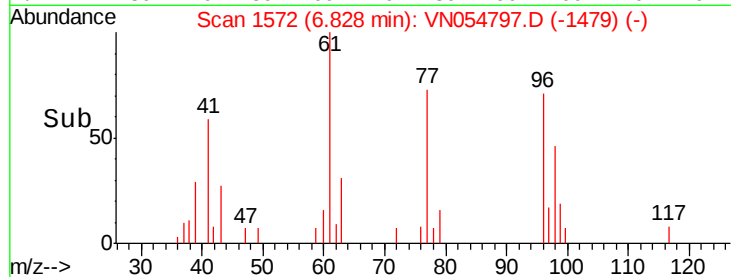
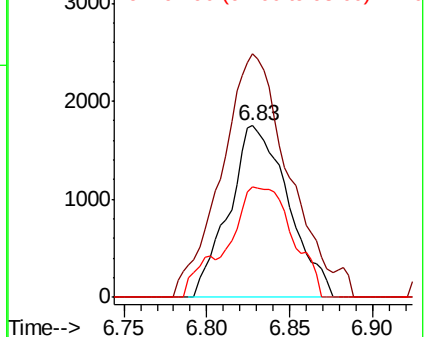
98 71.9 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.107 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

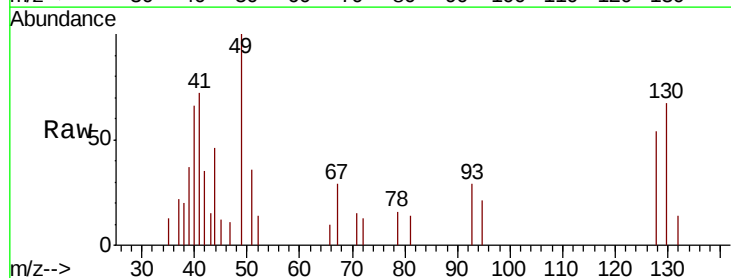
Tgt Ion: 49 Resp: 4388

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

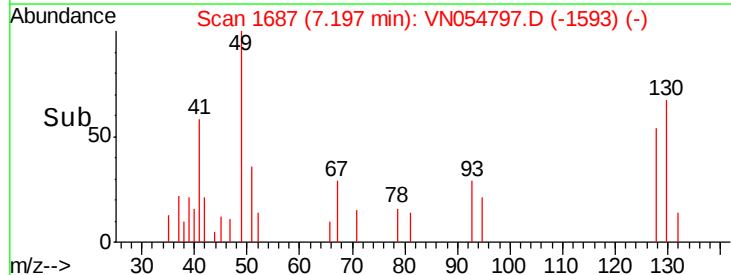
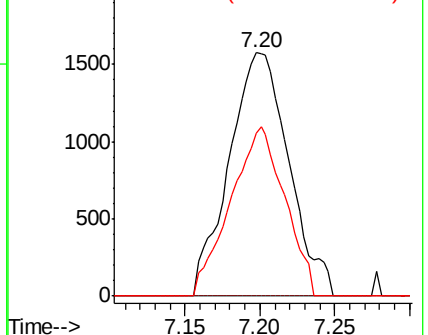
130 62.9 76.7 115.1#

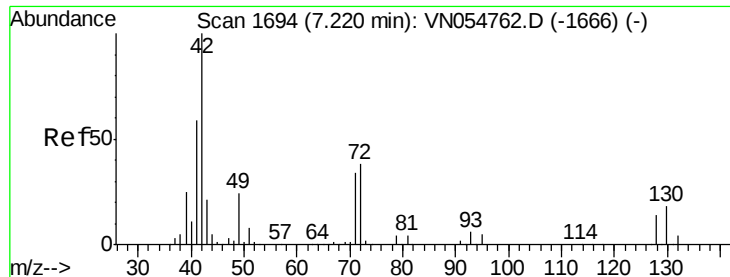


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 5.627 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

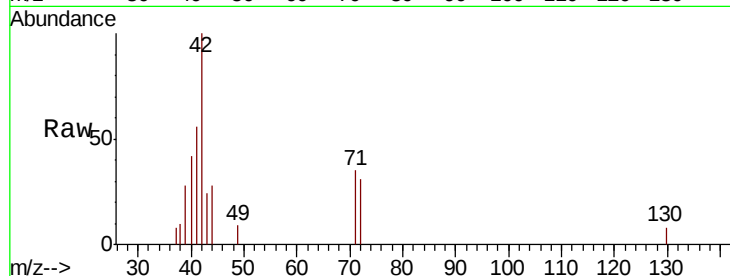
Tot Ion: 42 Resp: 7209

Ion Ratio Lower Upper

42 100

72 32.4 37.8 56.6#

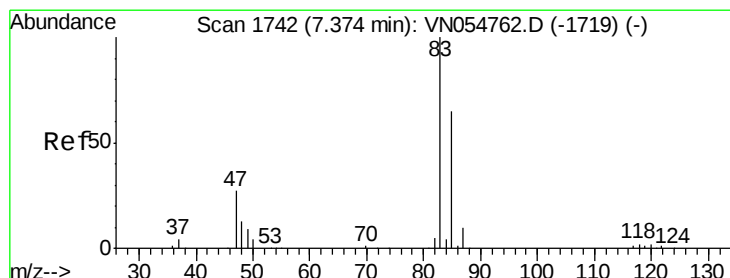
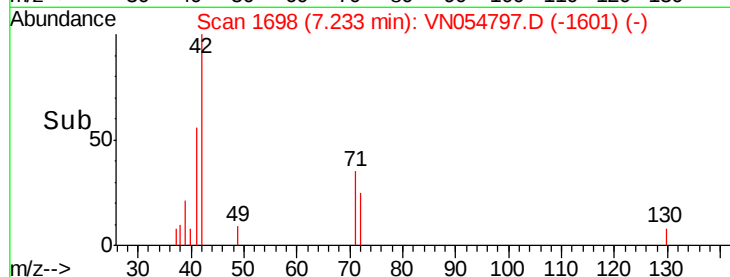
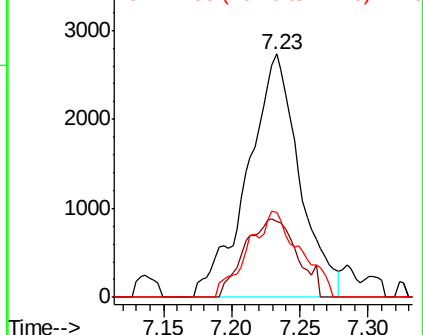
71 35.4 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.063 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054797.D

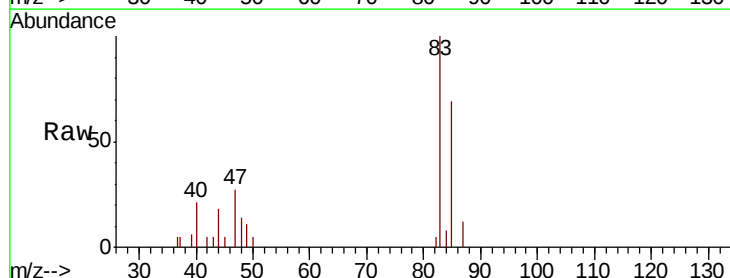
Acq: 30 Mar 2019 12:53

Tgt Ion: 83 Resp: 8037

Ion Ratio Lower Upper

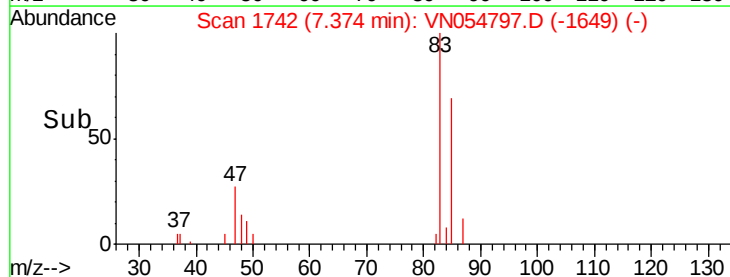
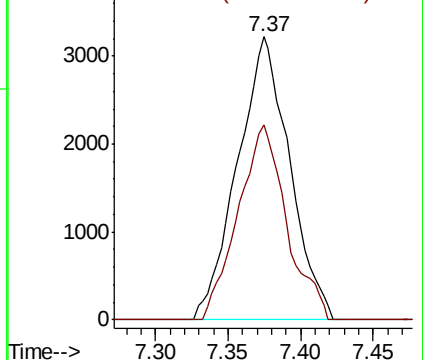
83 100

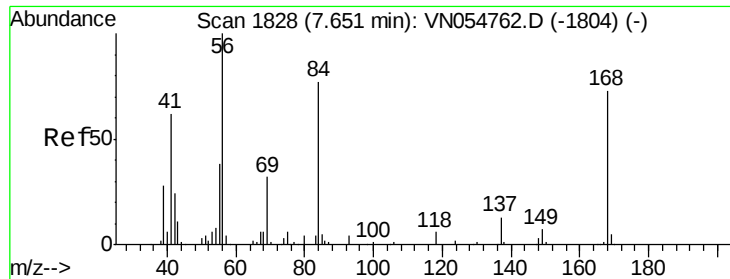
85 69.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

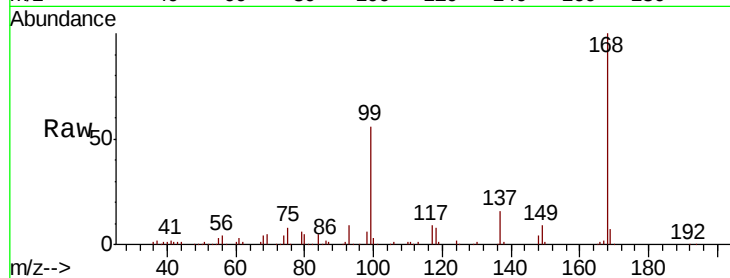
Tot Ion: 56 Resp: 9400

Ion Ratio Lower Upper

56 100

69 104.0 27.8 41.6#

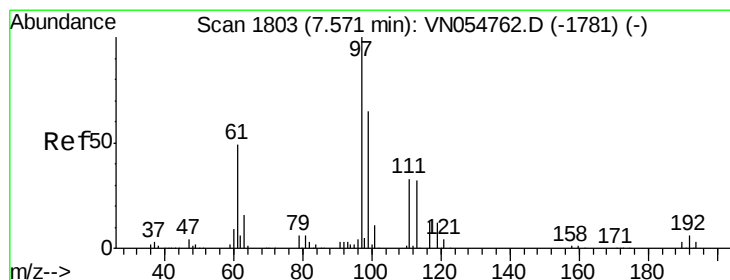
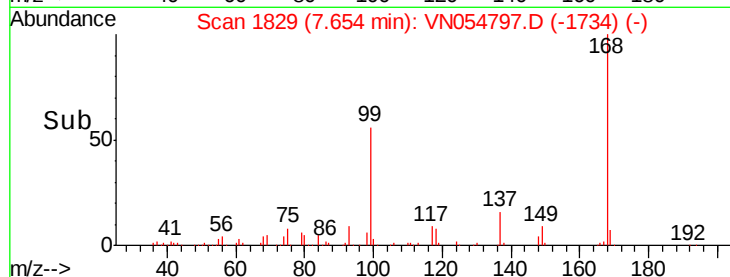
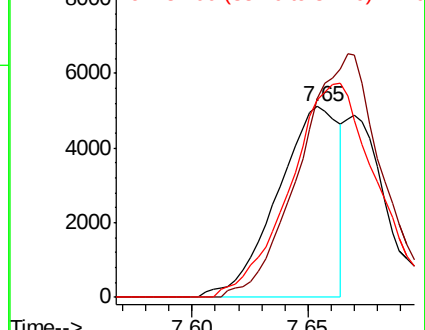
84 103.7 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 1.015 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

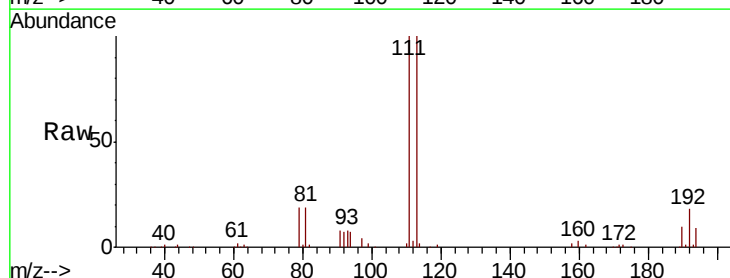
Tgt Ion: 97 Resp: 6360

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

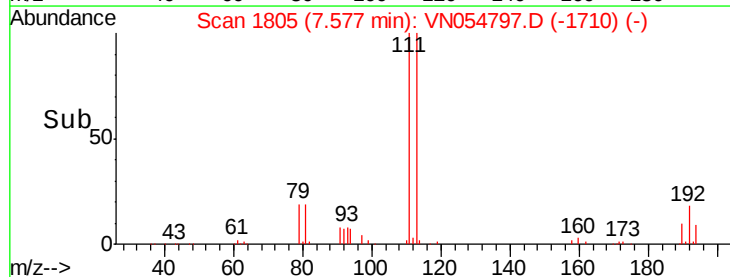
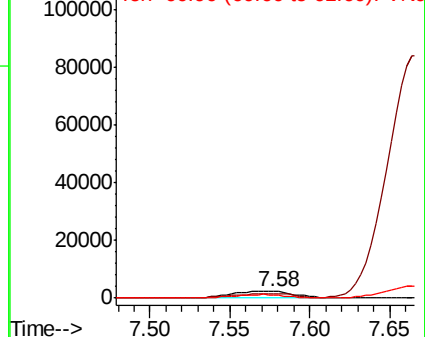
61 43.9 33.6 50.4

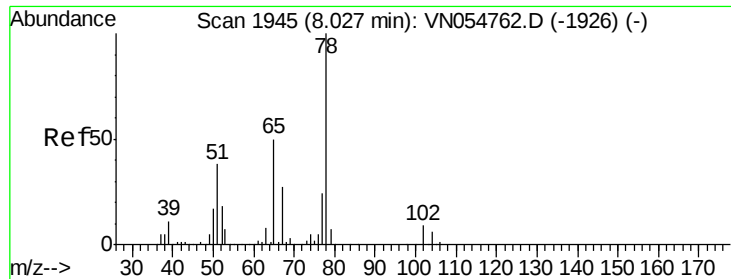


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

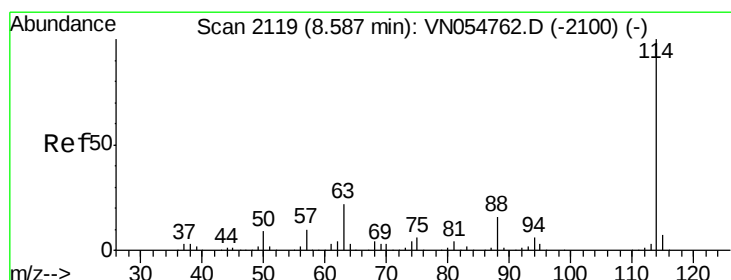
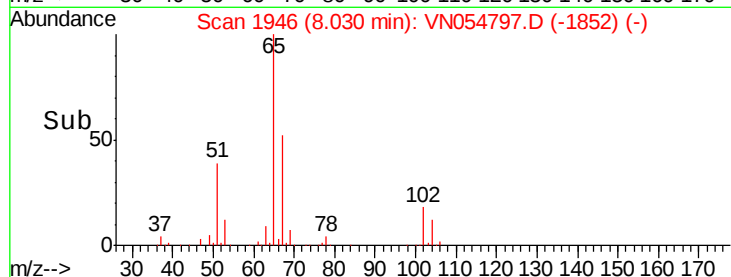
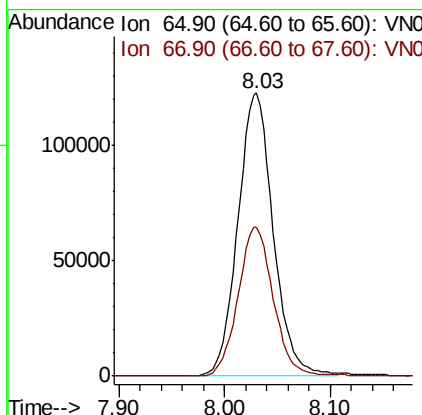
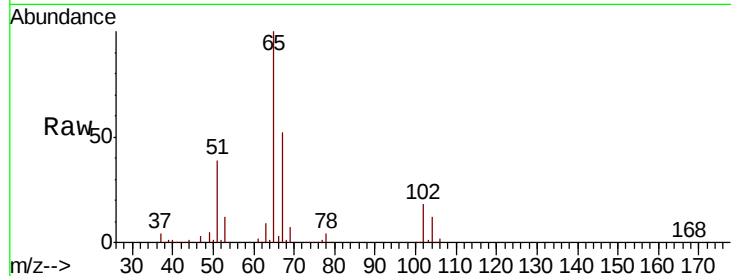




#33
 1,2-Dichloroethane-d4
 Concen: 54.715 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

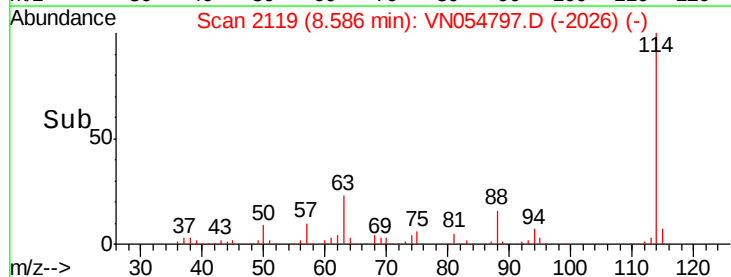
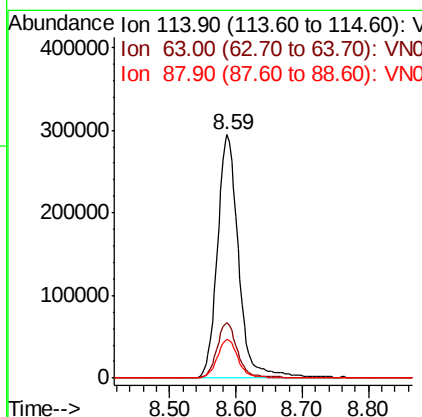
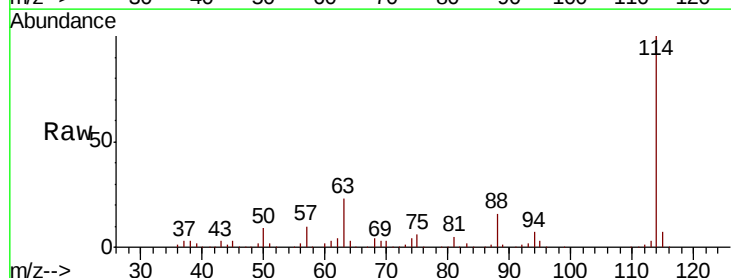
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

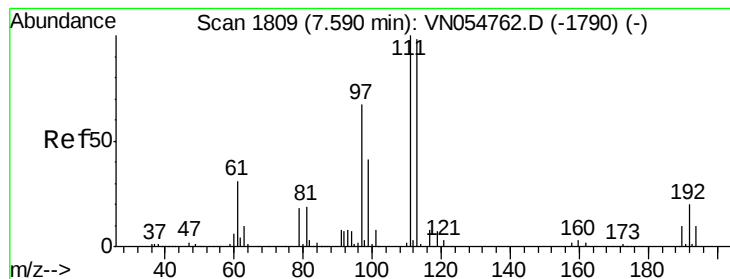
Tot Ion: 65 Resp: 286318
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 114 Resp: 654808
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 35.2
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

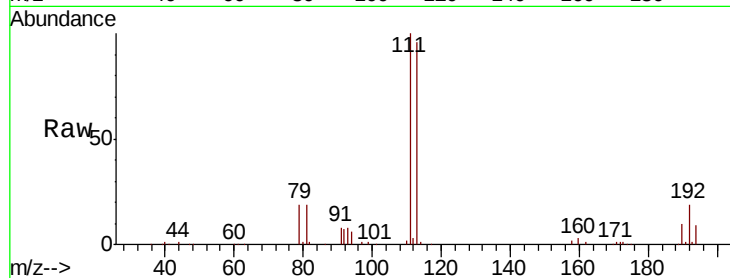
Tot Ion:113 Resp: 216291

Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.4

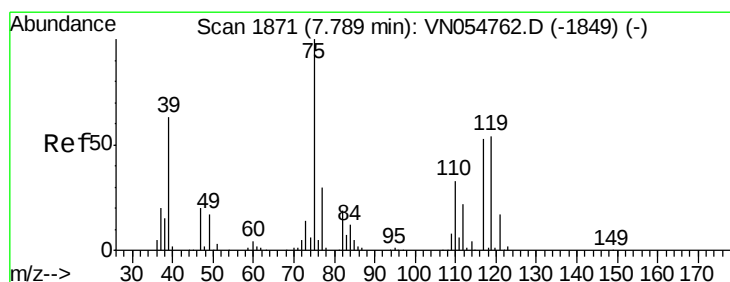
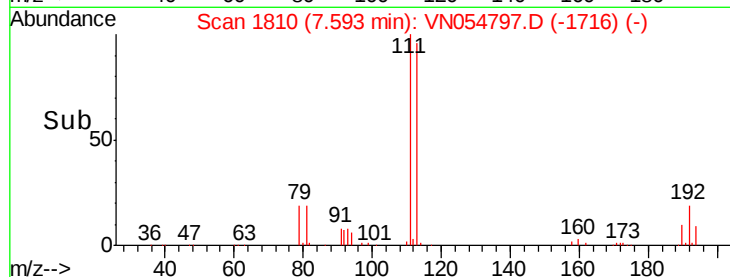
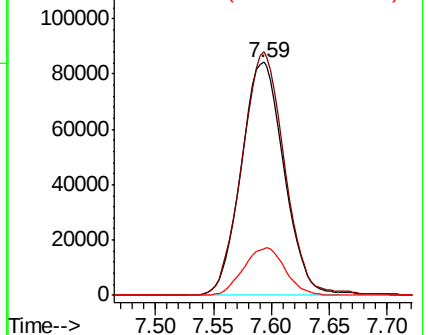
192 20.0 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.176 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

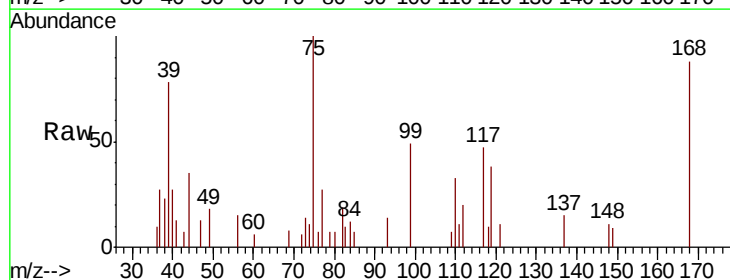
Tgt Ion: 75 Resp: 7173

Ion Ratio Lower Upper

75 100

110 27.6 19.1 57.5

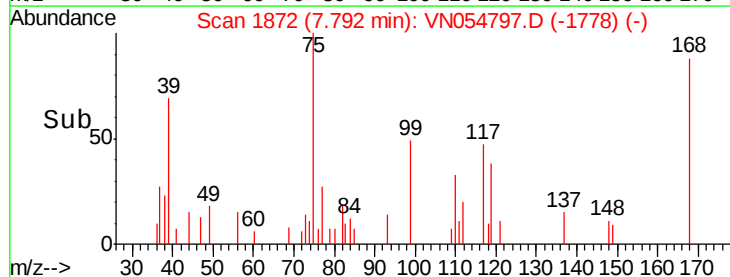
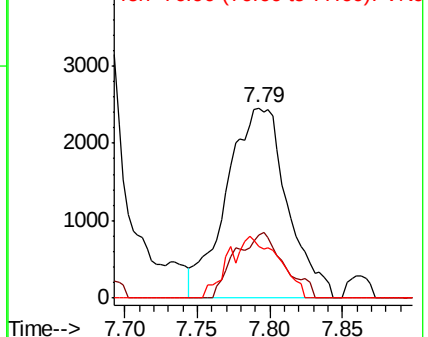
77 20.3 25.0 37.4#

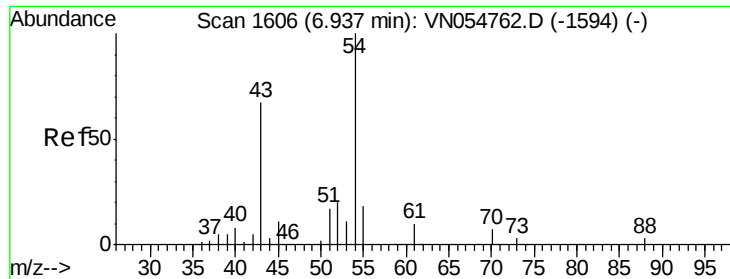


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 0.613 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

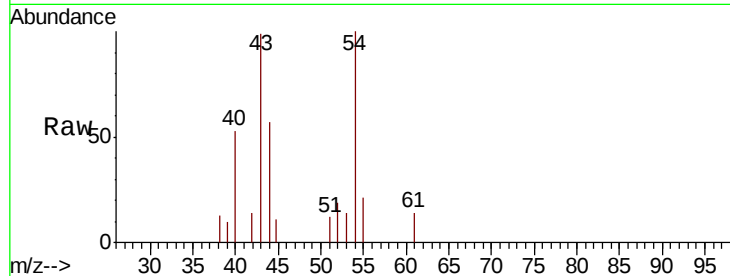
Tot Ion: 43 Resp: 2743

Ion Ratio Lower Upper

43 100

61 16.4 11.8 17.6

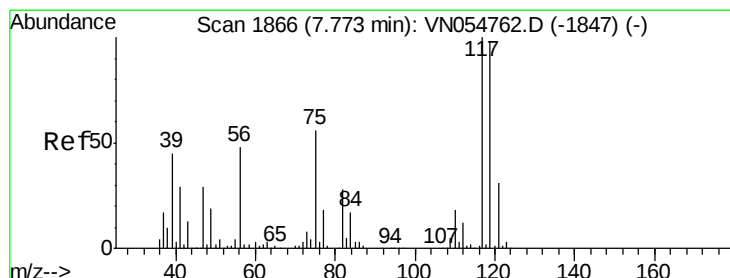
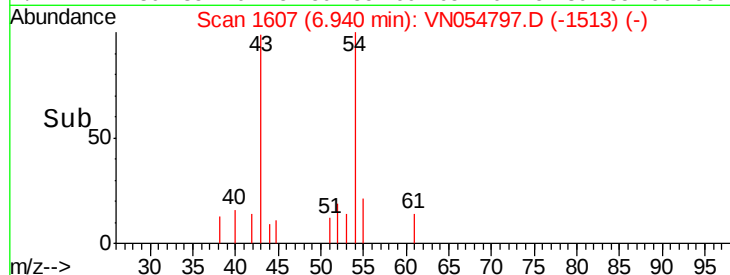
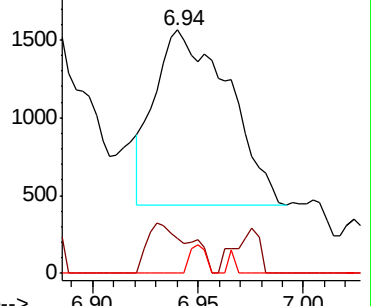
70 3.5 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1594) (-)

Ion 60.90 (60.60 to 61.60): VN054762.D (-1594) (-)

Ion 70.00 (69.70 to 70.70): VN054762.D (-1594) (-)



#38

Carbon Tetrachloride

Concen: 1.177 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

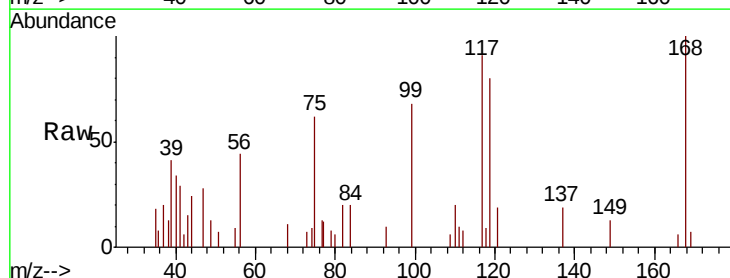
Tgt Ion: 117 Resp: 6978

Ion Ratio Lower Upper

117 100

119 88.1 76.3 114.5

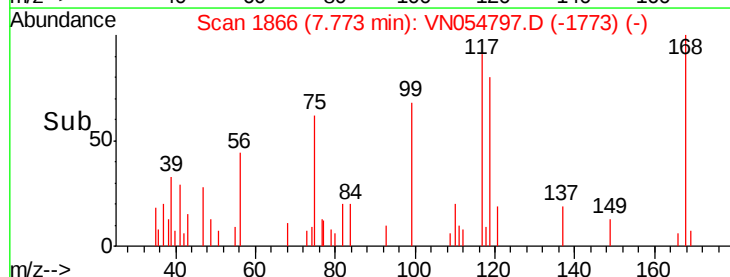
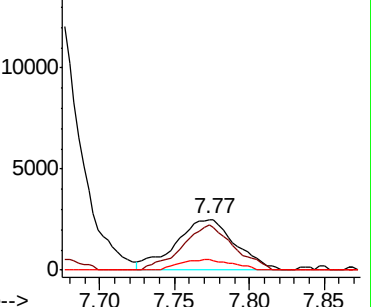
121 21.1 24.6 36.8#

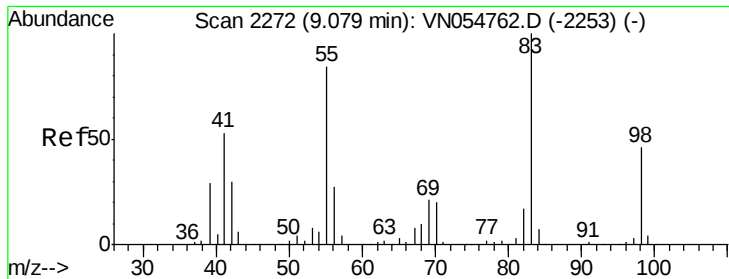


Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054762.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054762.D (-1847) (-)

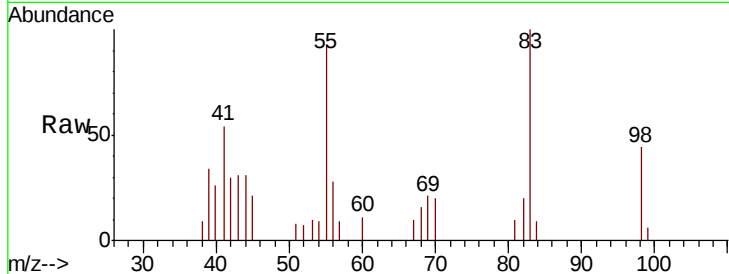




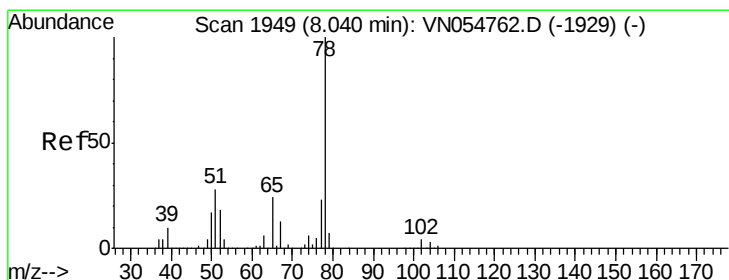
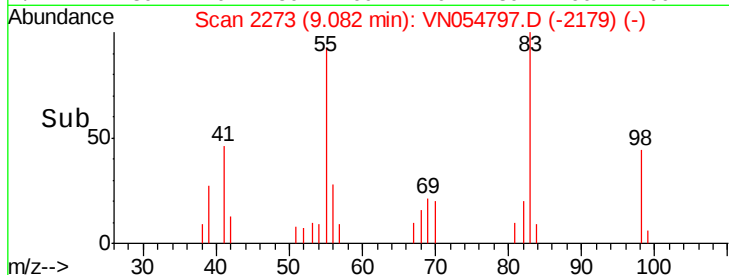
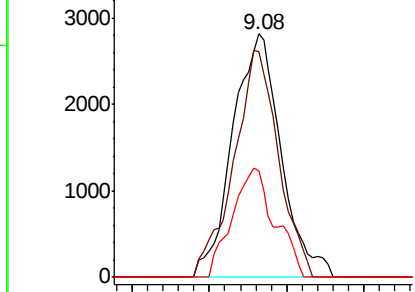
#39
Methvlcvclohexane
Concen: 0.912 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

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

Tot Ion: 83 Resp: 6117
Ion Ratio Lower Upper
83 100
55 92.9 56.6 84.8#
98 43.7 38.4 57.6

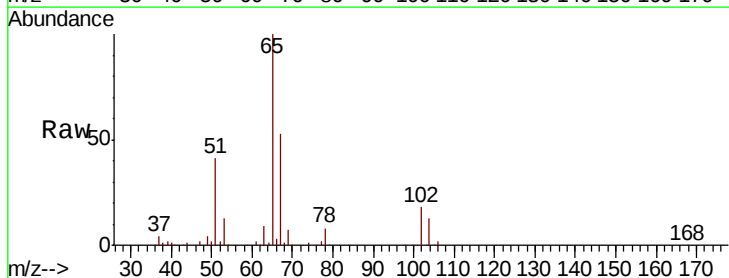


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

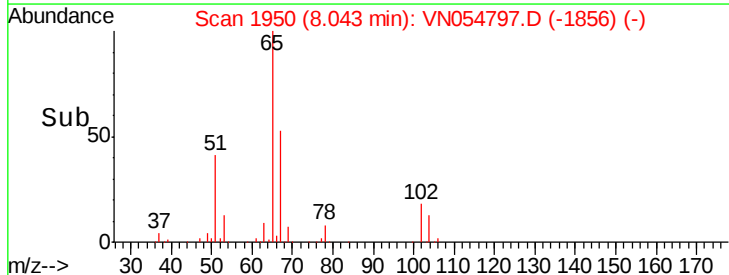
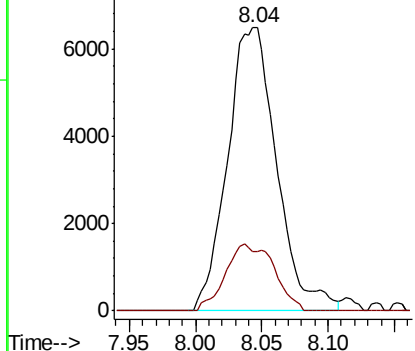


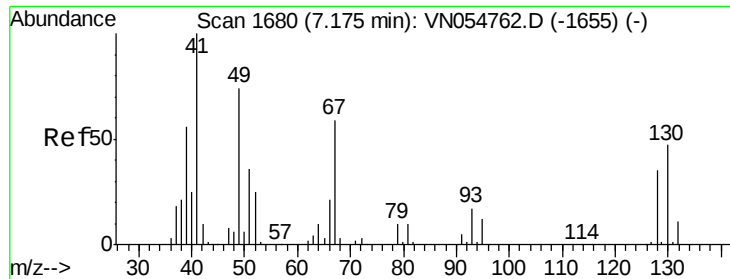
#40
Benzene
Concen: 0.957 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 78 Resp: 16707
Ion Ratio Lower Upper
78 100
77 21.2 19.1 28.7



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

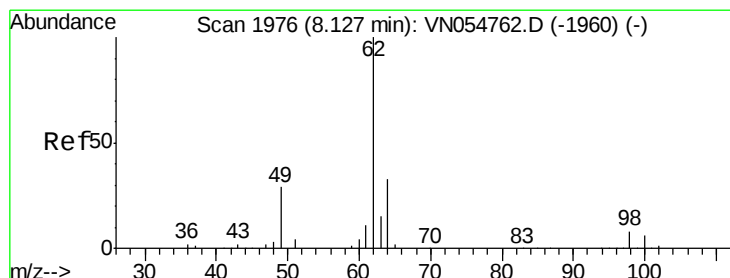
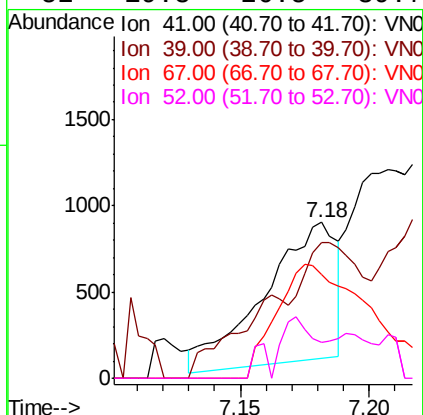
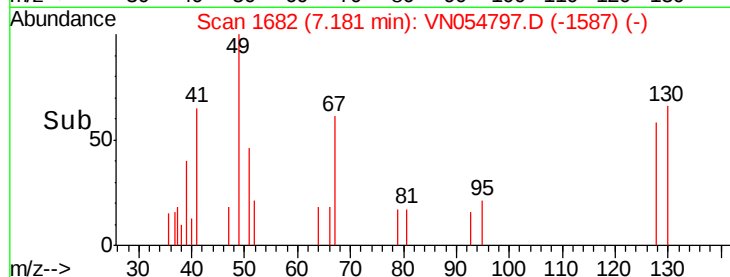
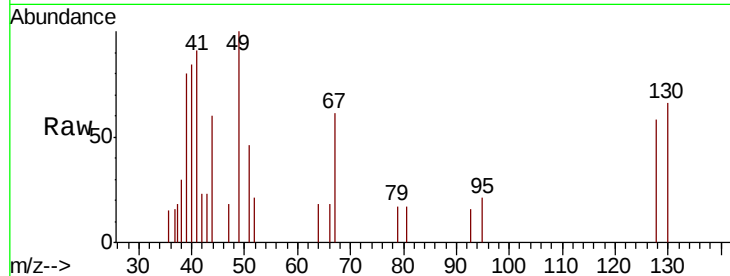




#41
Methacrylonitrile
Concen: 0.622 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

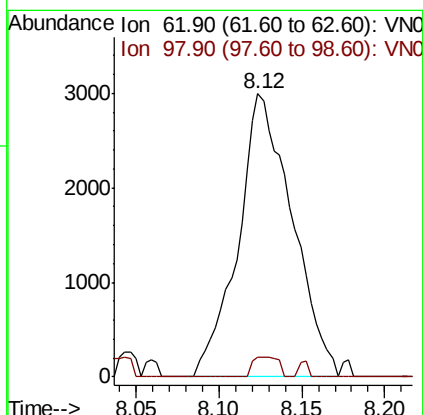
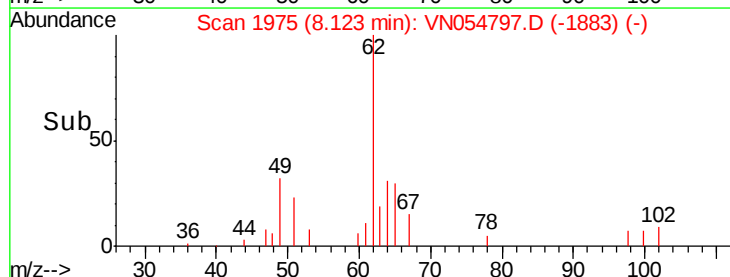
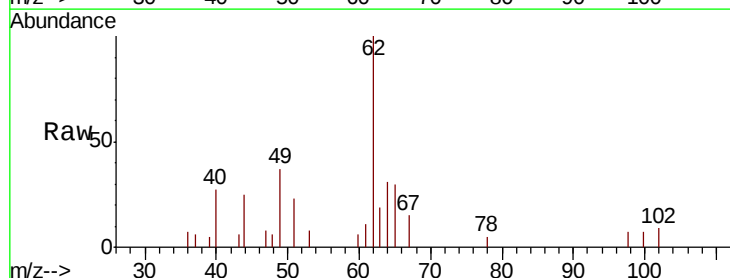
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

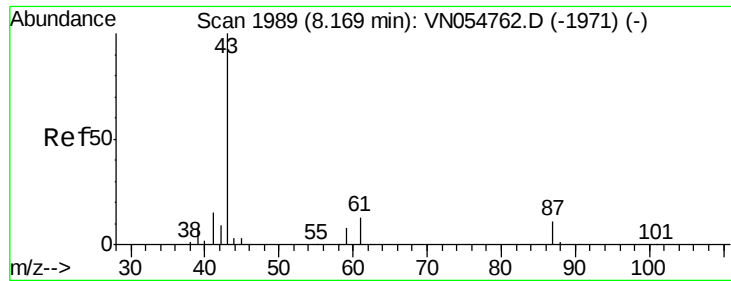
Tot Ion: 41 Resp: 1563
Ion Ratio Lower Upper
41 100
39 30.2 46.8 70.2#
67 103.3 67.0 100.4#
52 19.8 26.5 39.7#



#42
1,2-Dichloroethane
Concen: 1.092 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 62 Resp: 6807
Ion Ratio Lower Upper
62 100
98 3.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 1.154 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

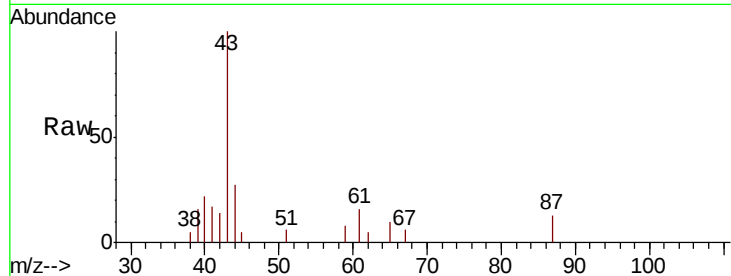
Tot Ion: 43 Resp: 8389

Ion Ratio Lower Upper

43 100

61 3.0 15.8 23.8#

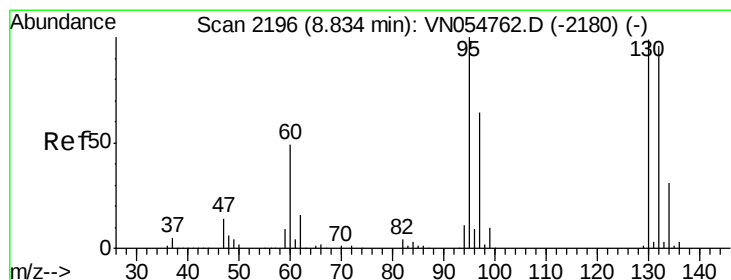
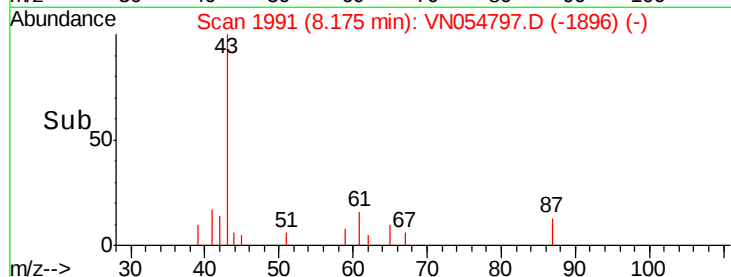
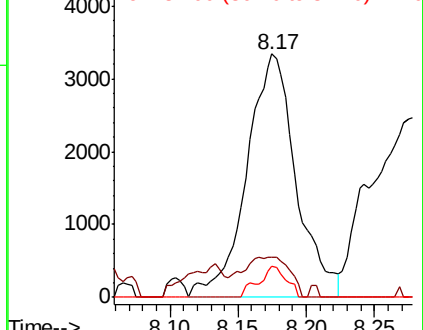
87 7.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054797.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054797.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054797.D (-2103) (-)



#44

Trichloroethene

Concen: 0.974 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054797.D

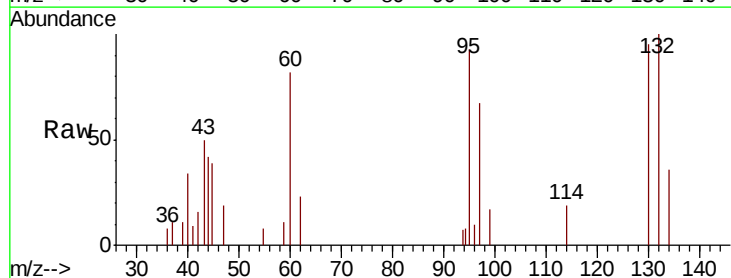
Acq: 30 Mar 2019 12:53

Tgt Ion:130 Resp: 4414

Ion Ratio Lower Upper

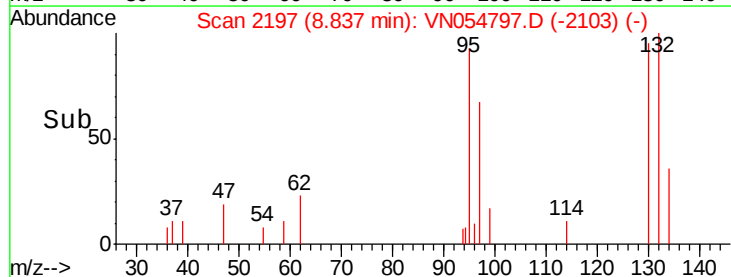
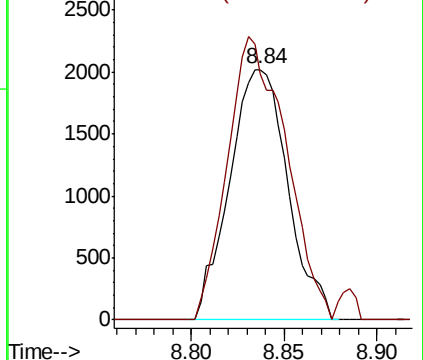
130 100

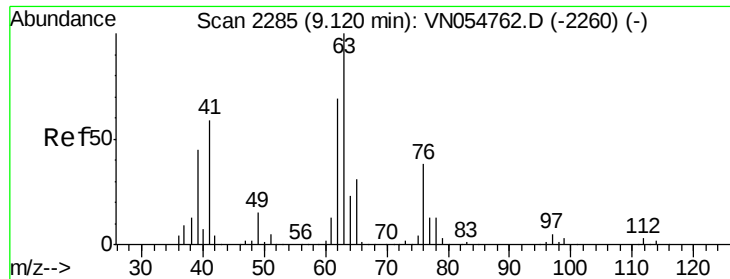
95 98.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054797.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054797.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 1.006 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

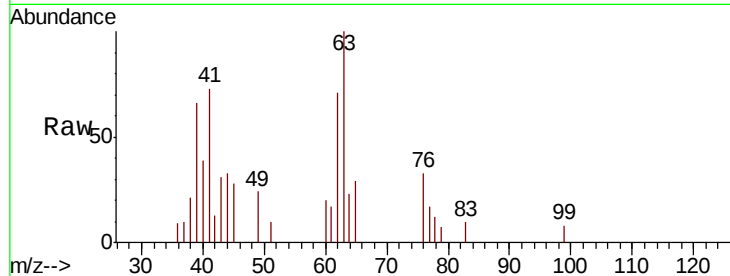
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 63 Resp: 5007

Ion Ratio Lower Upper

63 100

65 28.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

2500

2000

1500

1000

500

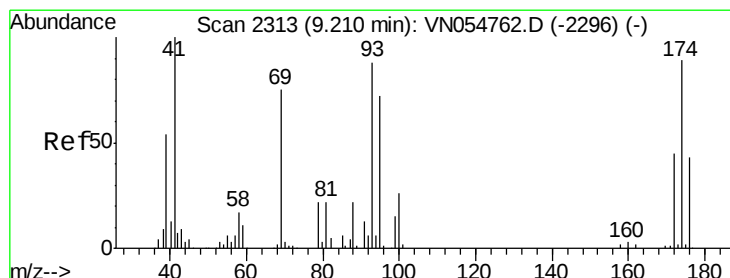
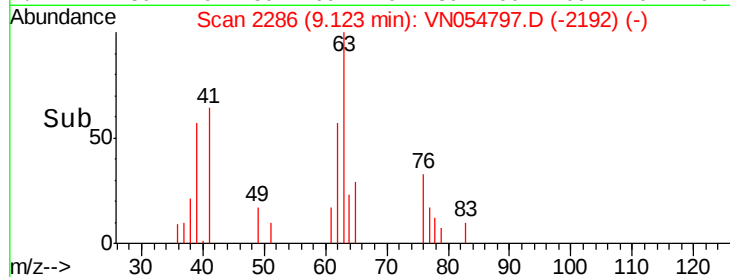
0

Time-->

9.05

9.10

9.15



#46

Dibromomethane

Concen: 0.981 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

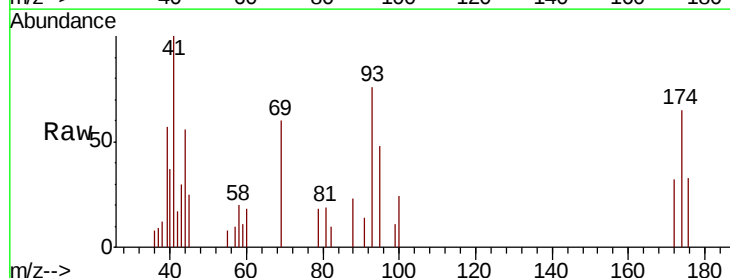
Tgt Ion: 93 Resp: 2747

Ion Ratio Lower Upper

93 100

95 86.4 66.7 100.1

174 98.4 98.5 147.7#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

2000

1500

1000

500

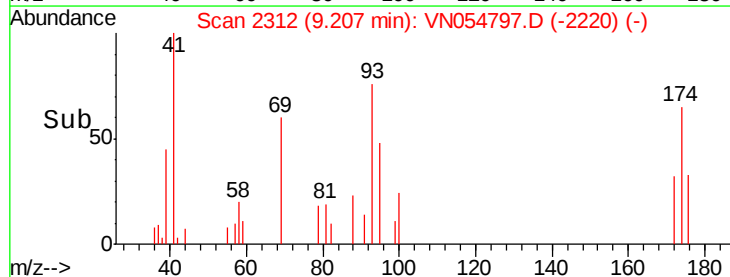
0

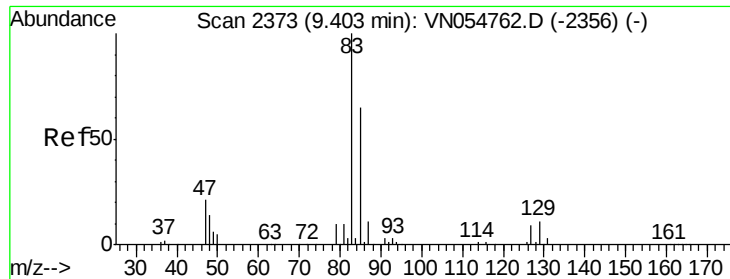
Time-->

9.15

9.20

9.25





#47

Bromodichloromethane

Concen: 0.855 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

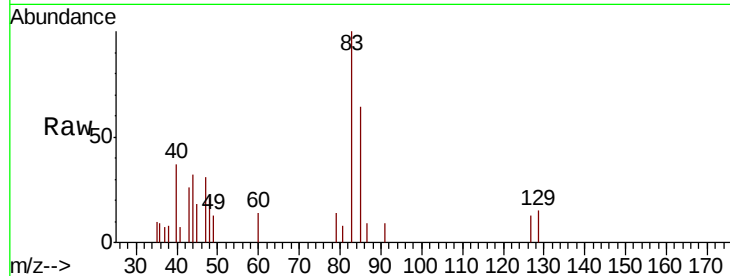
Tot Ion: 83 Resp: 4975

Ion Ratio Lower Upper

83 100

85 64.2 52.8 79.2

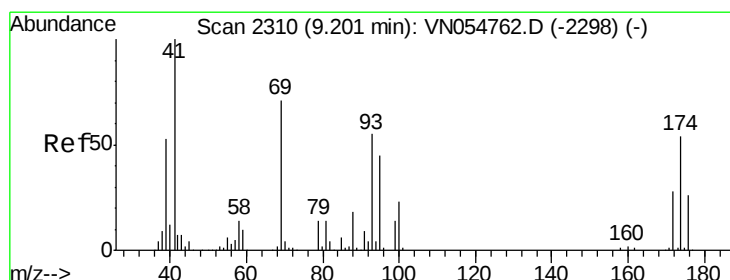
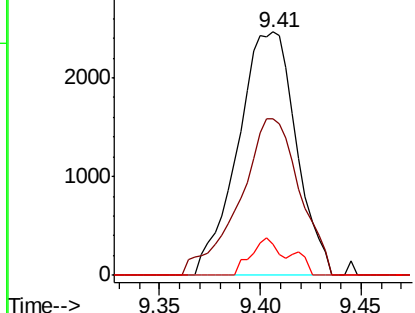
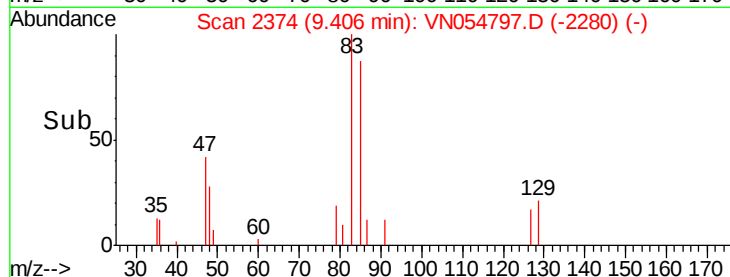
127 12.6 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.091 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

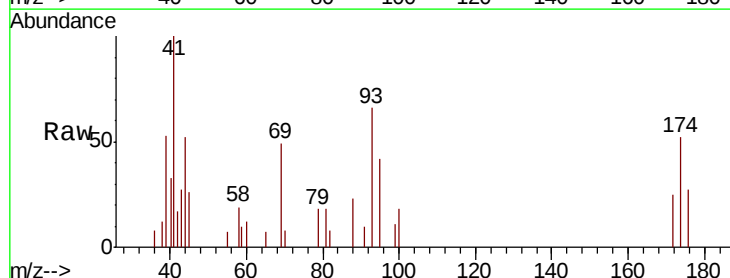
Tgt Ion: 41 Resp: 4299

Ion Ratio Lower Upper

41 100

69 56.4 72.6 108.8#

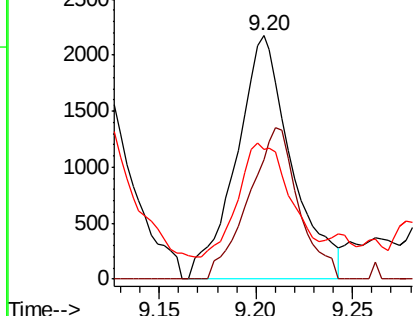
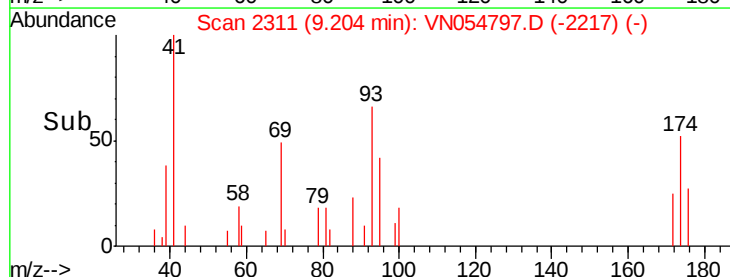
39 43.5 47.5 71.3#

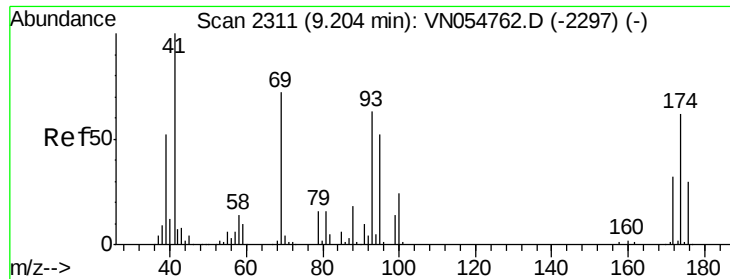


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

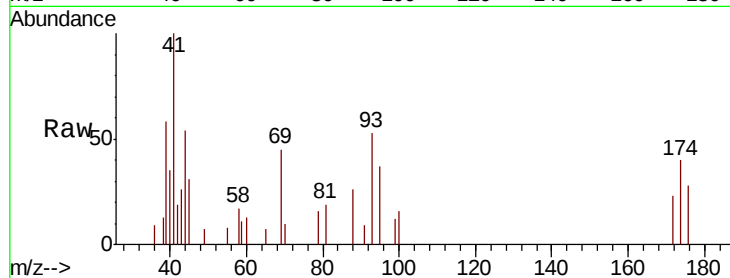




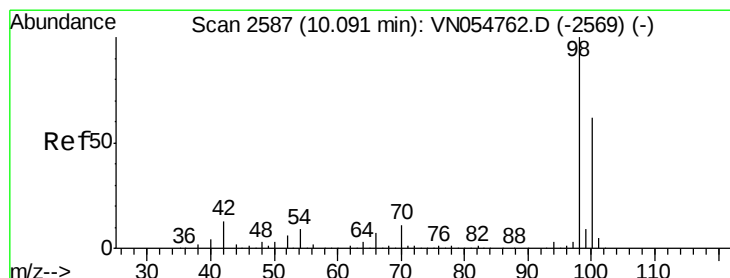
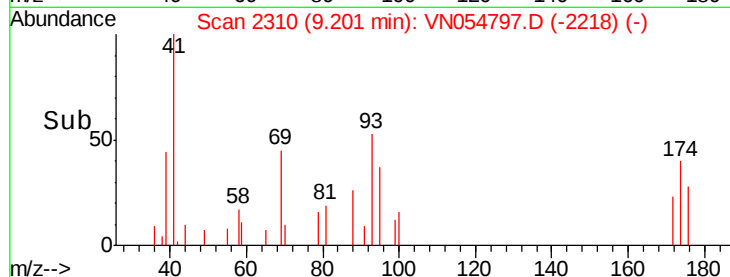
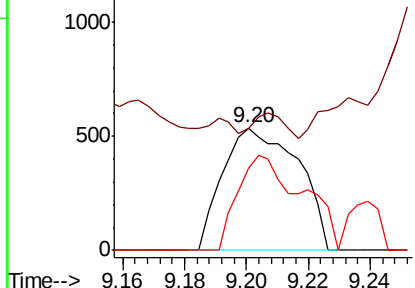
#49
 1,4-Dioxane
 Concen: 23.195 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

Tot Ion: 88 Resp: 907
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.1 36.1#
 58 66.3 50.8 76.2

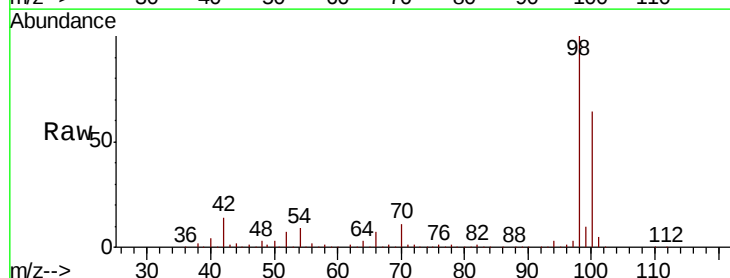


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

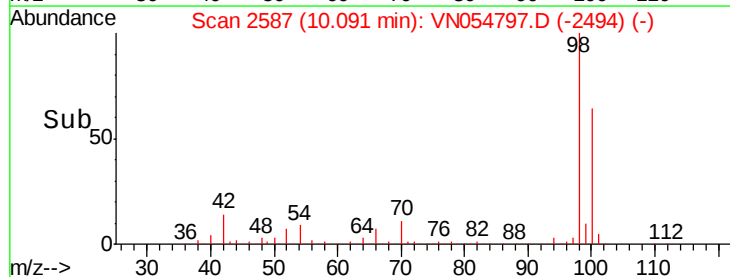
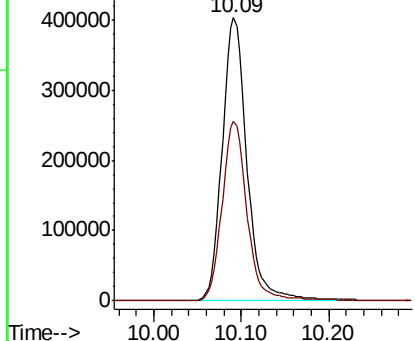


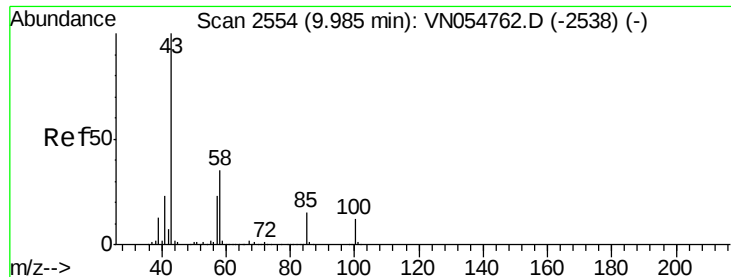
#50
 Toluene-d8
 Concen: 48.977 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 98 Resp: 794898
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

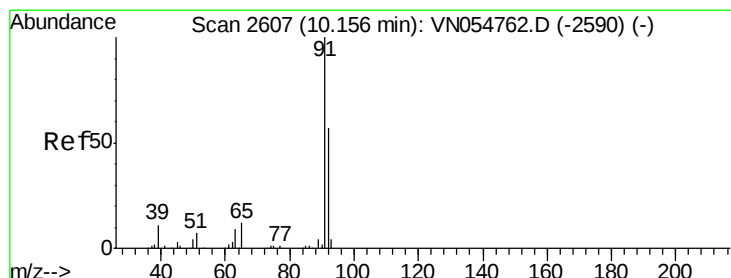
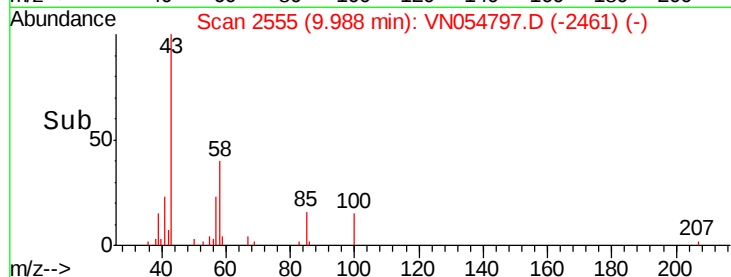
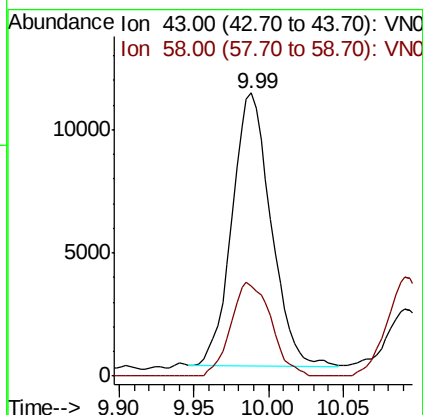
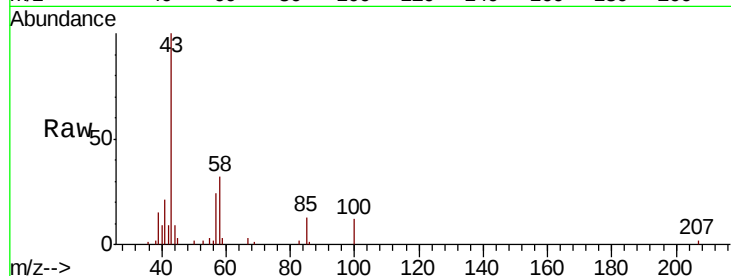




#51
 4-Methyl-2-Pentanone
 Concen: 4.898 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

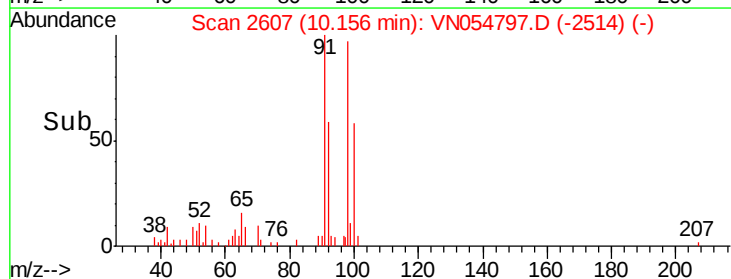
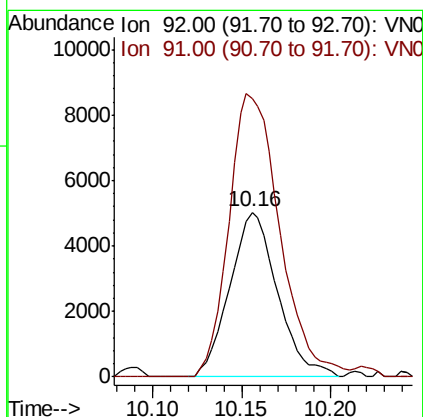
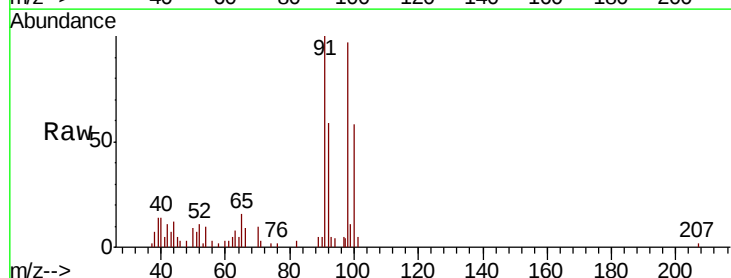
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

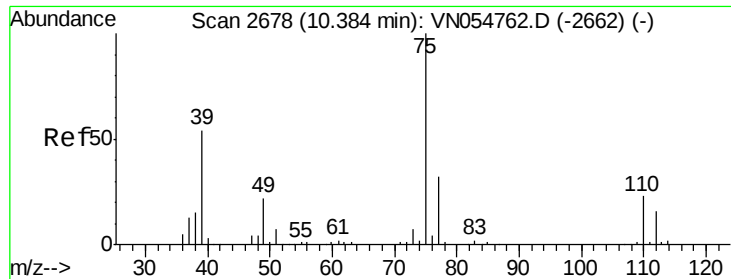
Tot Ion: 43 Resp: 20021
 Ion Ratio Lower Upper
 43 100
 58 35.6 31.8 47.6



#52
 Toluene
 Concen: 0.903 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 92 Resp: 9381
 Ion Ratio Lower Upper
 92 100
 91 183.6 140.7 211.1

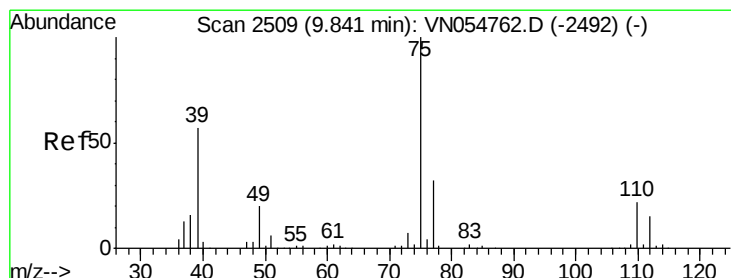
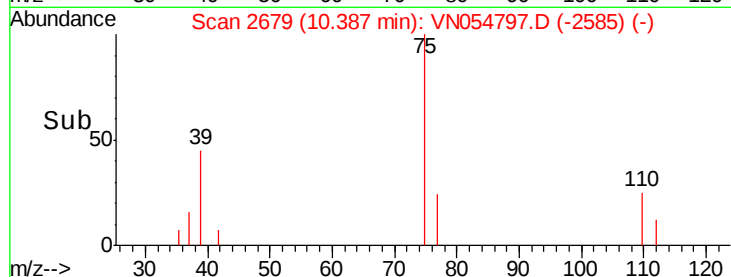
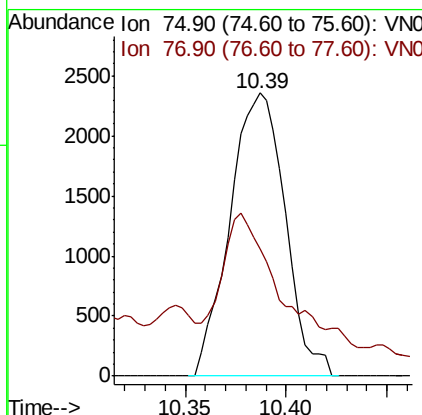
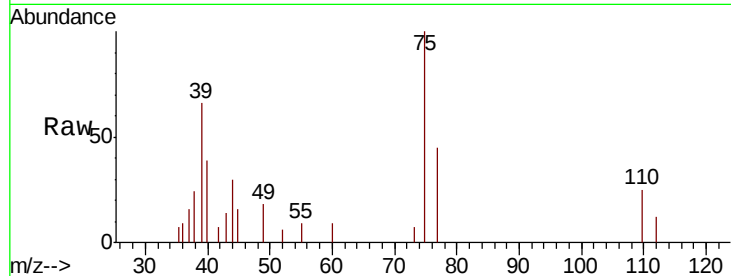




#53
 t-1,3-Dichloropropene
 Concen: 0.823 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

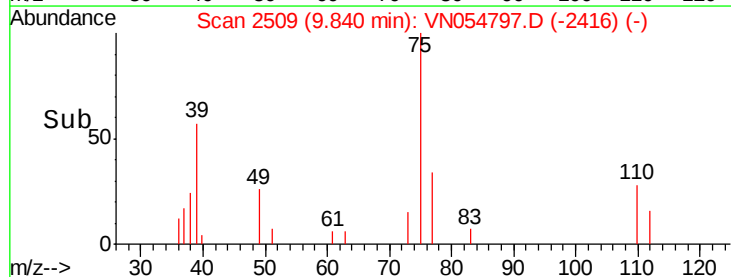
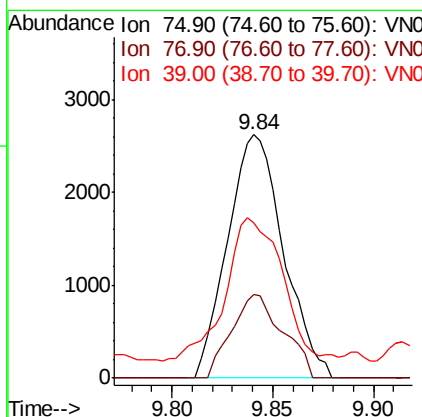
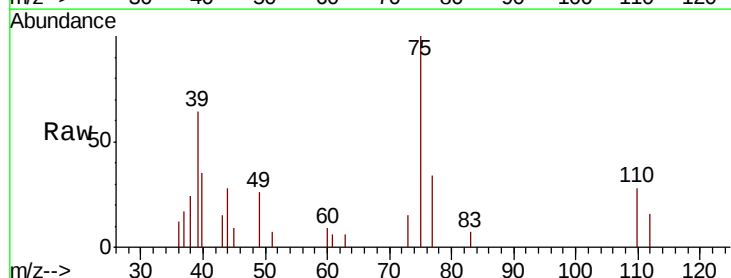
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

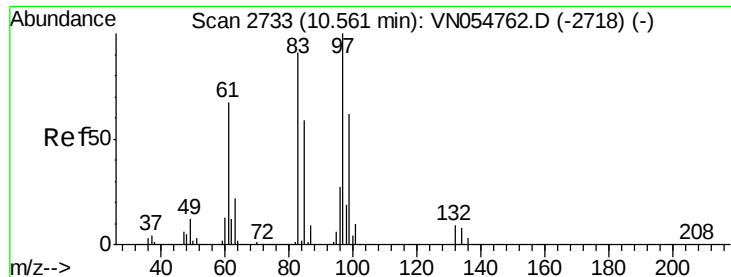
Tot Ion: 75 Resp: 4506
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 0.776 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 75 Resp: 5072
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.0
 39 55.3 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 1.024 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 97 Resp: 3956

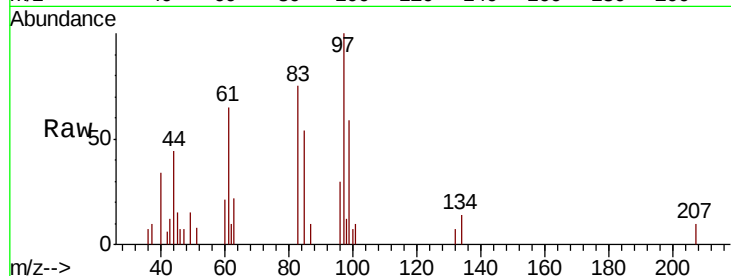
Ion Ratio Lower Upper

97 100

83 74.9 66.6 100.0

85 54.3 44.4 66.6

99 58.7 50.8 76.2

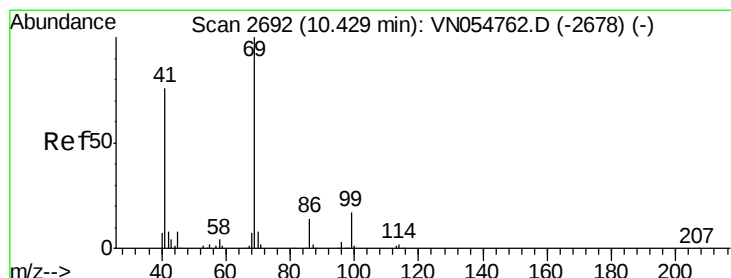
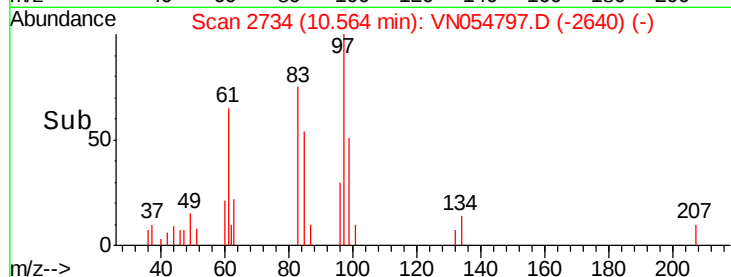
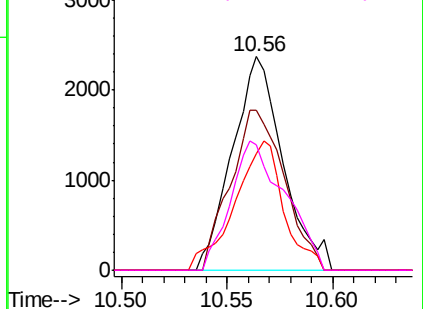


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.874 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

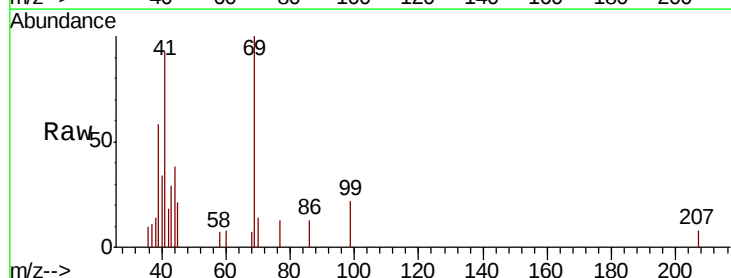
Tgt Ion: 69 Resp: 4427

Ion Ratio Lower Upper

69 100

41 86.9 49.4 74.2#

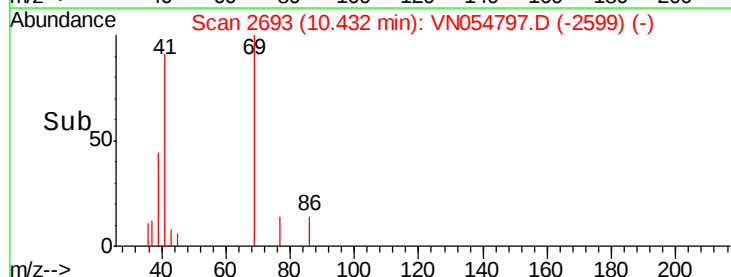
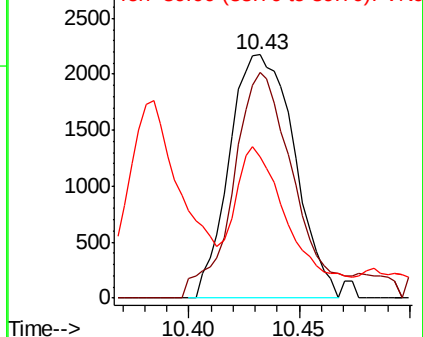
39 38.9 28.3 42.5

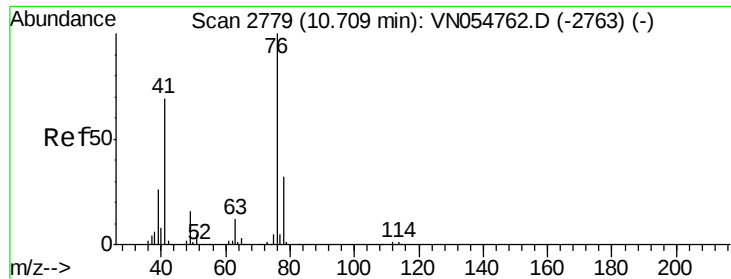


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.992 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

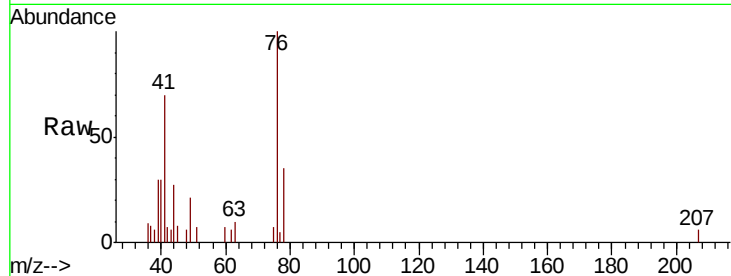
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 76 Resp: 6586

Ion Ratio Lower Upper

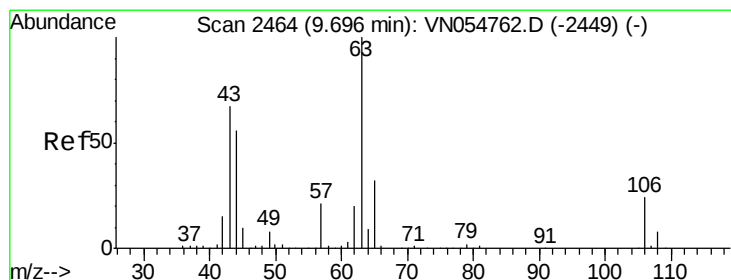
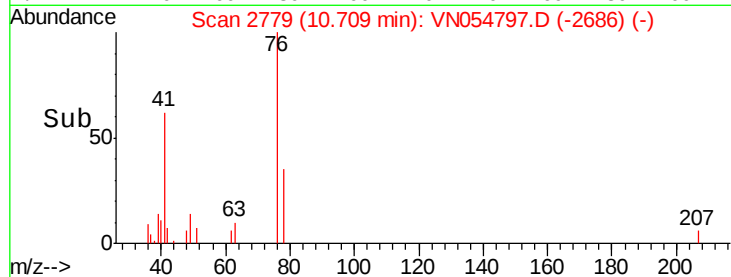
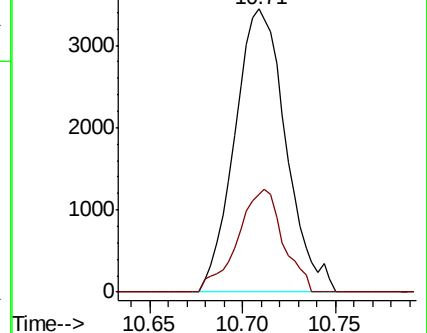
76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.164 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN054797.D

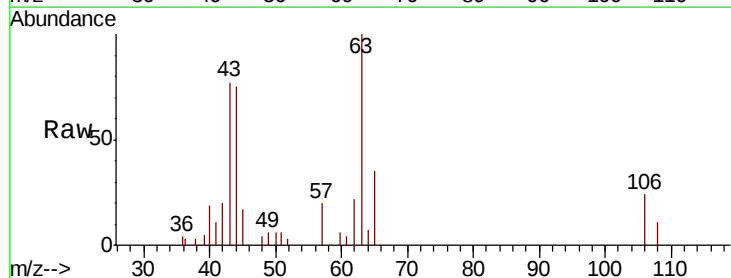
Acq: 30 Mar 2019 12:53

Tgt Ion: 63 Resp: 8675

Ion Ratio Lower Upper

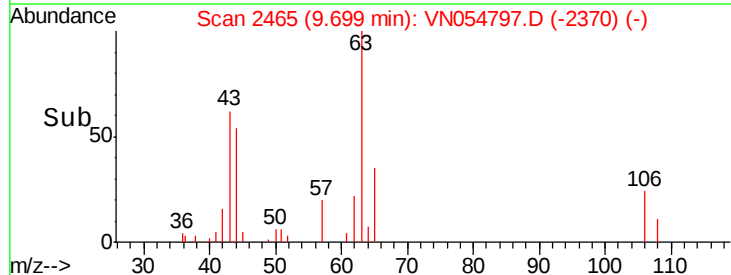
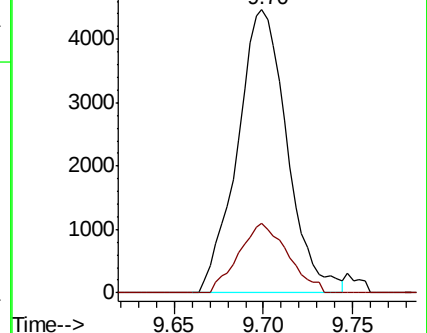
63 100

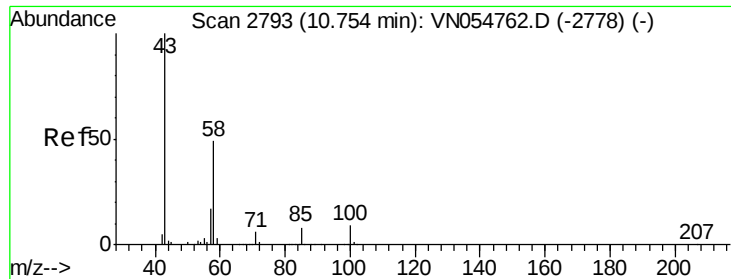
106 24.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

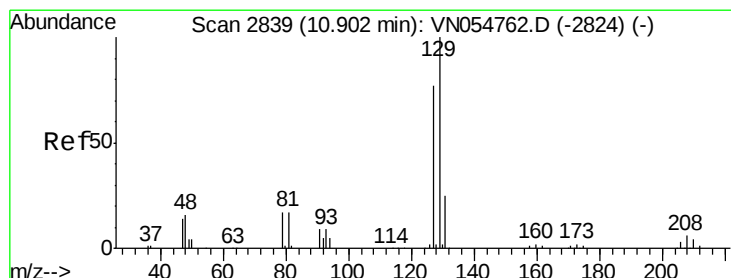
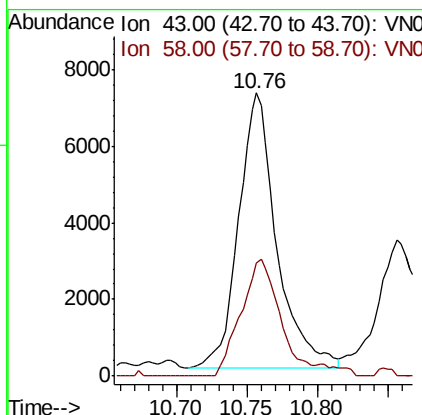
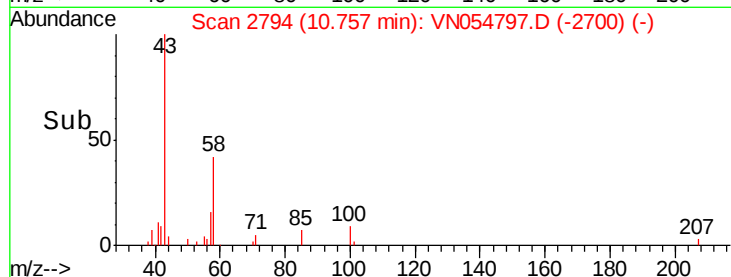
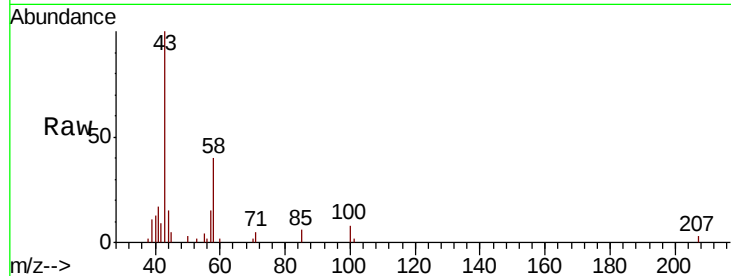




#59
2-Hexanone
Concen: 5.177 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

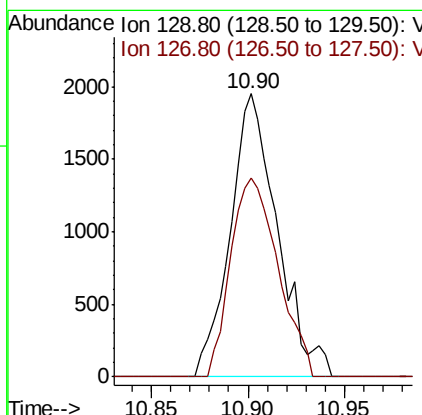
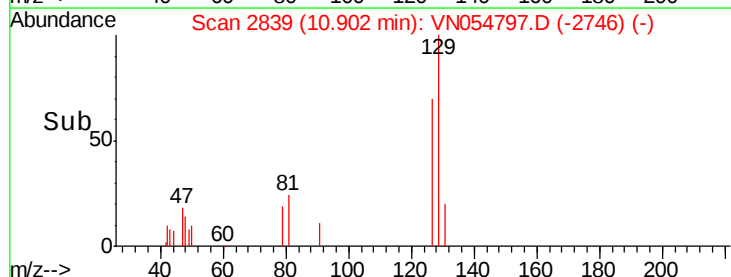
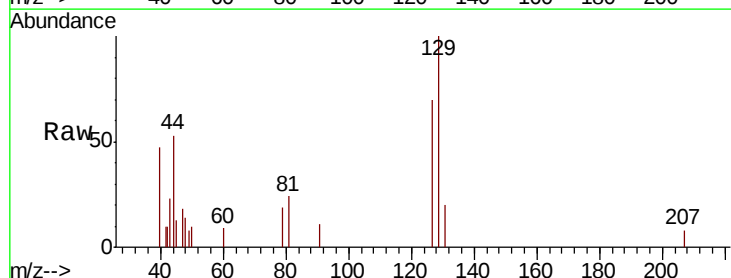
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

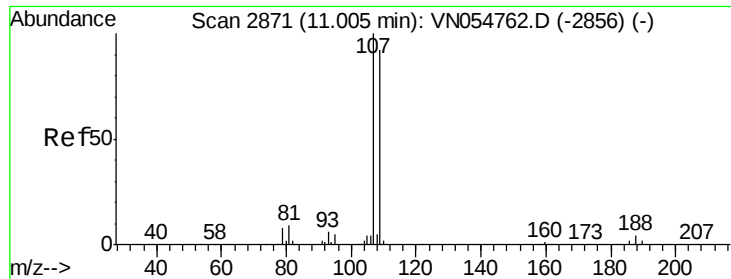
Tot Ion: 43 Resp: 13546
Ion Ratio Lower Upper
43 100
58 43.4 28.0 83.9



#60
Dibromochloromethane
Concen: 0.842 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 129 Resp: 3295
Ion Ratio Lower Upper
129 100
127 70.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.863 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

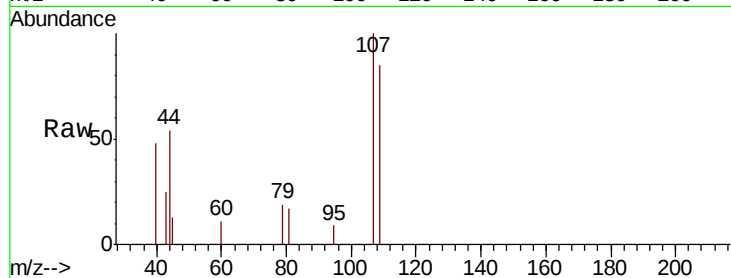
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 107 Resp: 3185

Ion Ratio Lower Upper

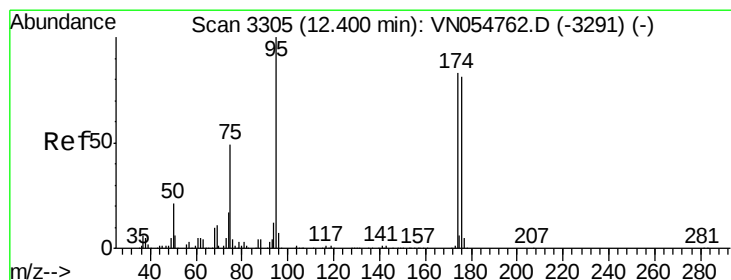
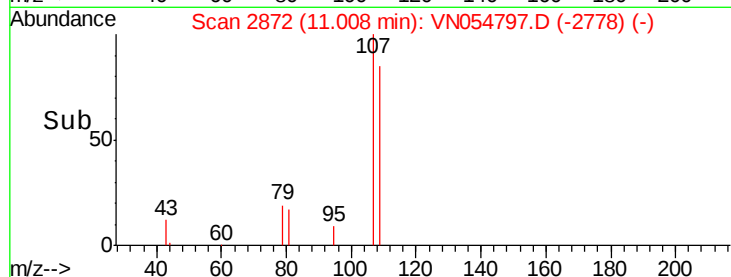
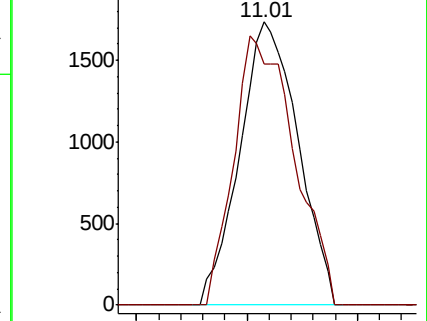
107 100

109 98.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

2000 Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.594 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

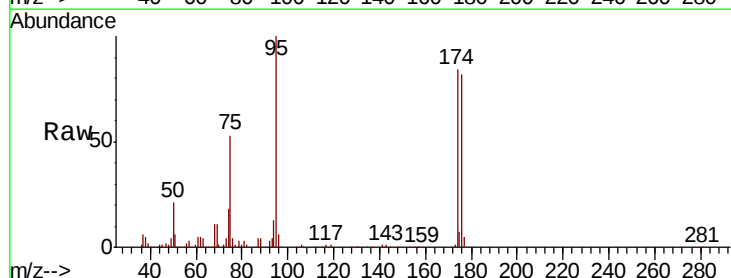
Tgt Ion: 95 Resp: 240705

Ion Ratio Lower Upper

95 100

174 84.7 0.0 191.0

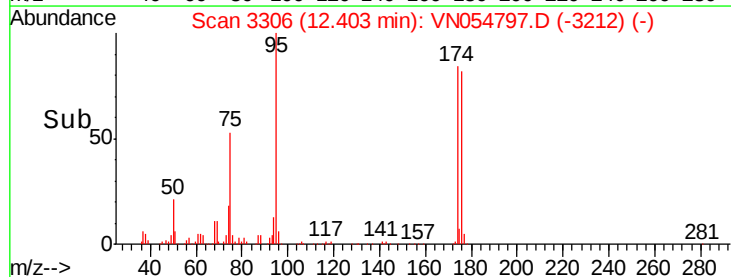
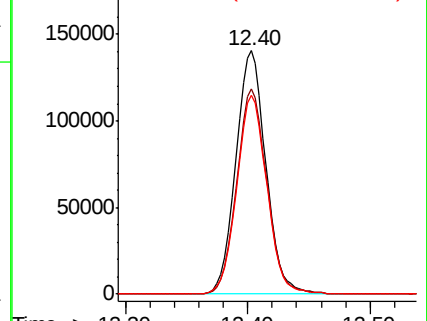
176 81.8 0.0 187.4

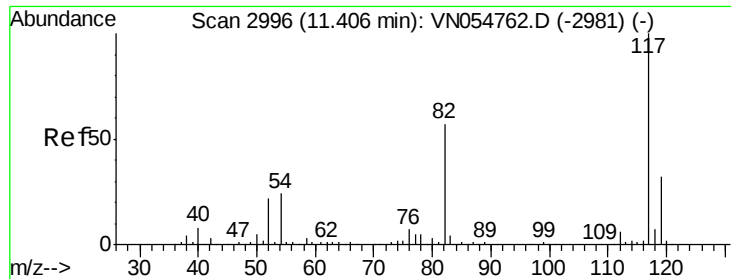


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

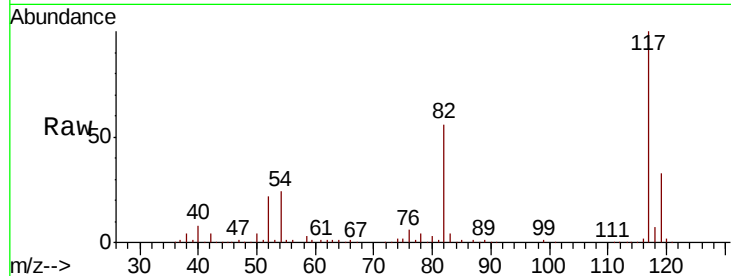




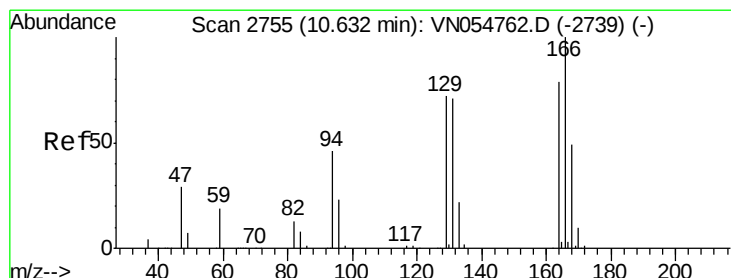
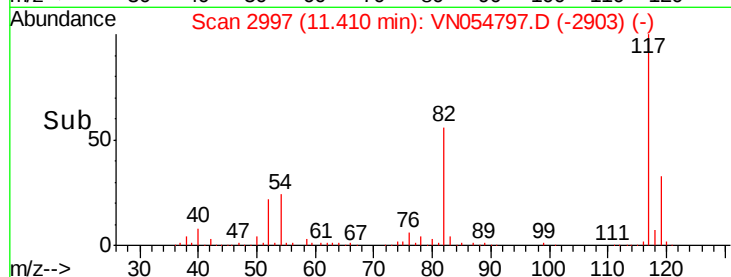
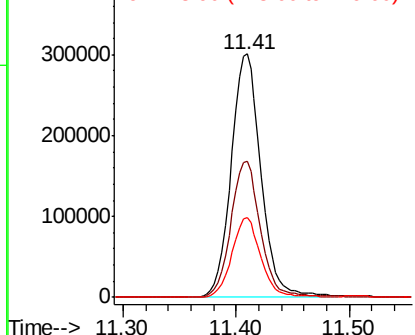
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

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

Tot Ion:117 Resp: 552136
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 33.0 25.8 38.6

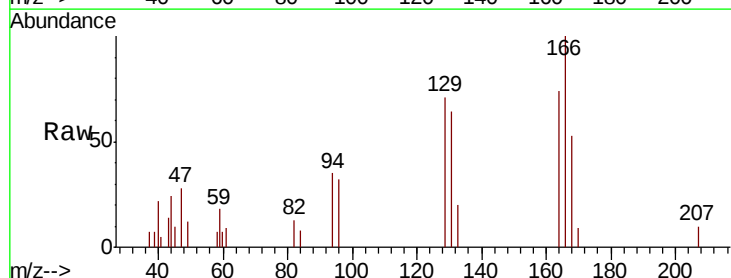


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

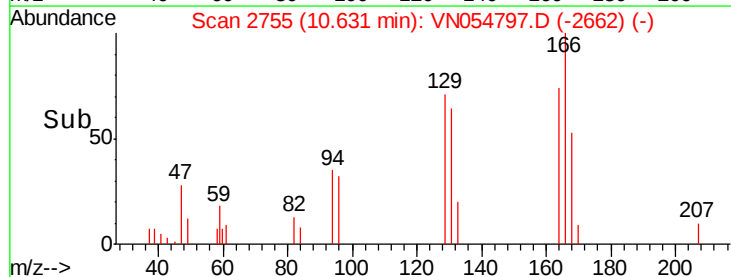
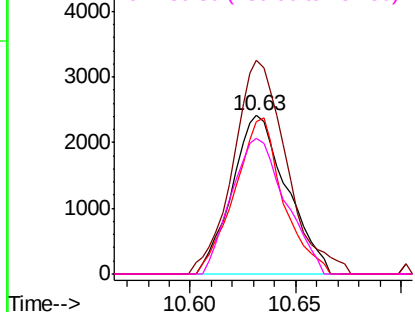


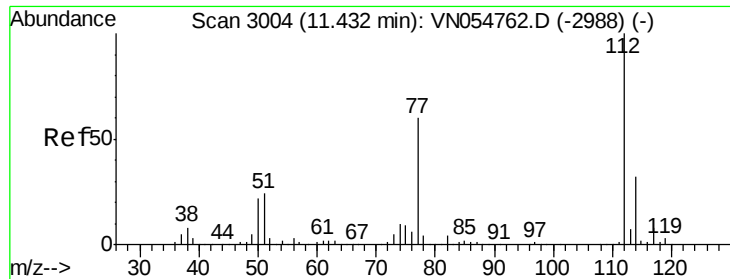
#64
Tetrachloroethene
Concen: 1.027 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion:164 Resp: 4350
Ion Ratio Lower Upper
164 100
166 134.7 103.9 155.9
129 96.2 71.1 106.7
131 86.0 68.2 102.4



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





#65

Chlorobenzene

Concen: 0.973 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

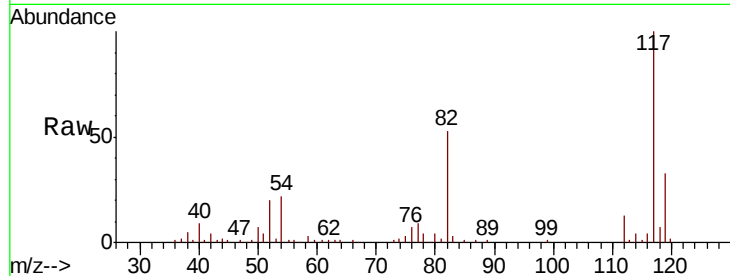
LOD-MDL-WATER-01-QT1-2019

Tot Ion:112 Resp: 10521

Ion Ratio Lower Upper

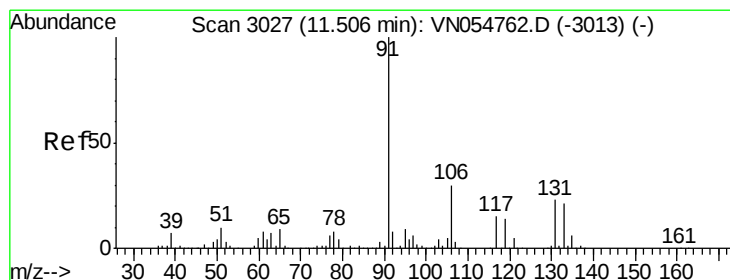
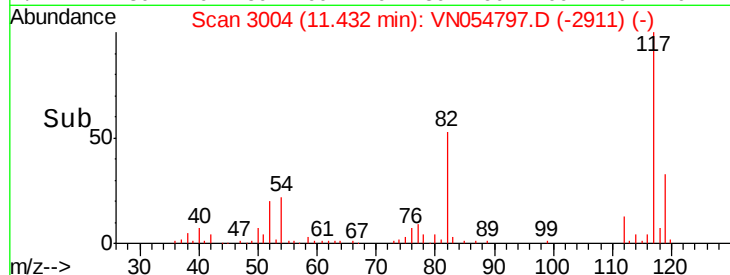
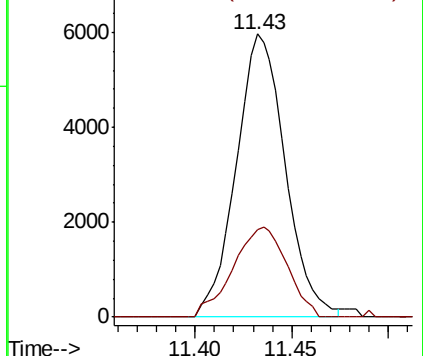
112 100

114 30.8 25.9 38.9



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: 0.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

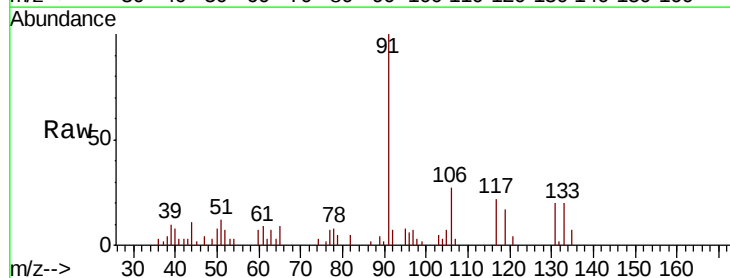
Tgt Ion:131 Resp: 3347

Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

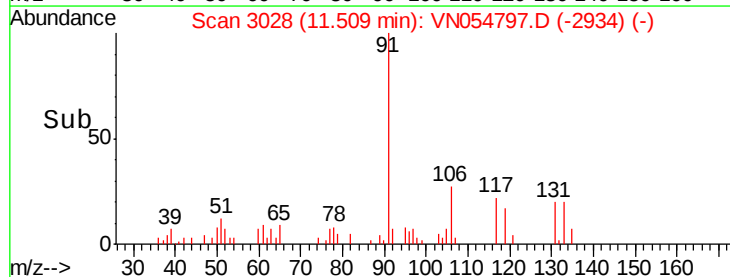
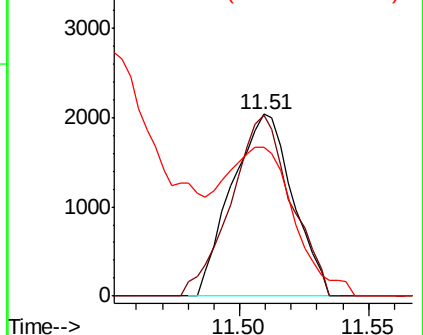
119 0.0 32.4 97.0#

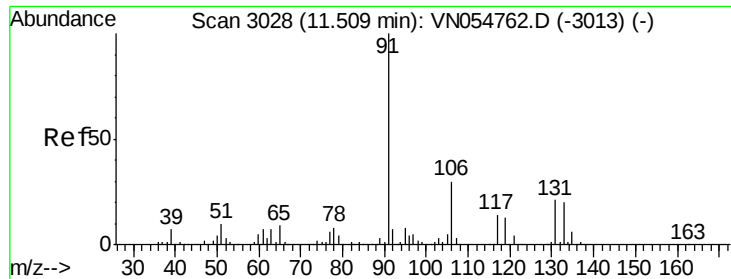


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

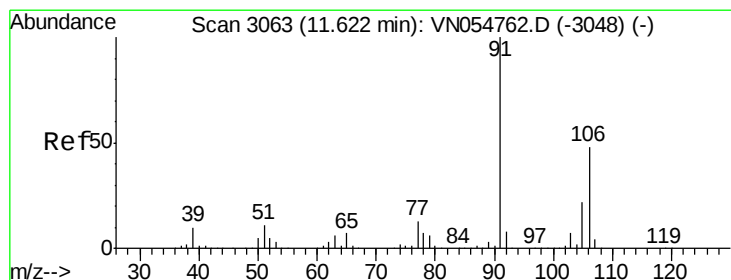
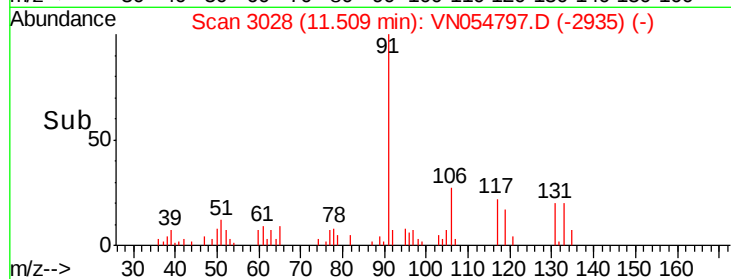
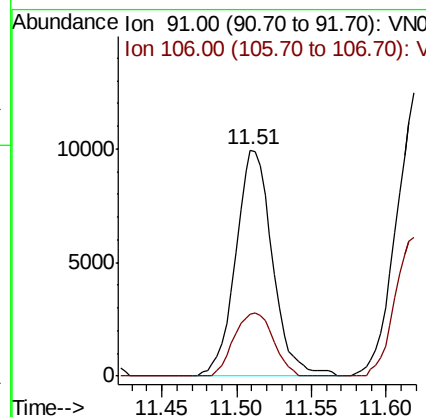
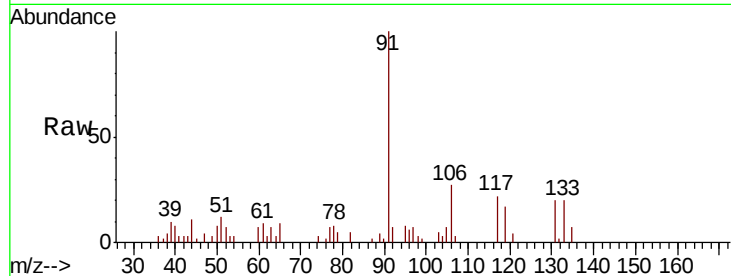




#67
Ethyl Benzene
Concen: 0.872 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

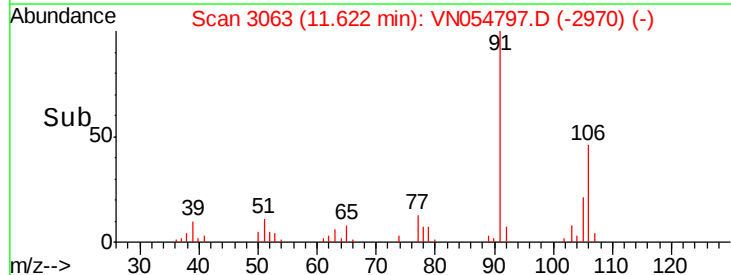
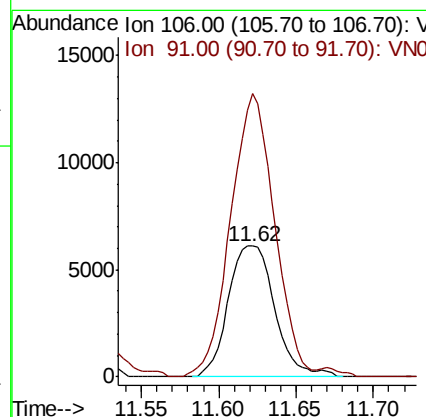
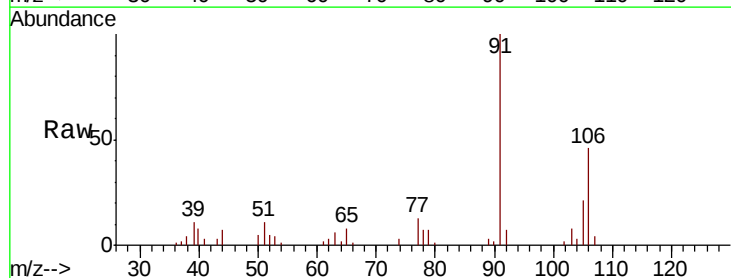
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

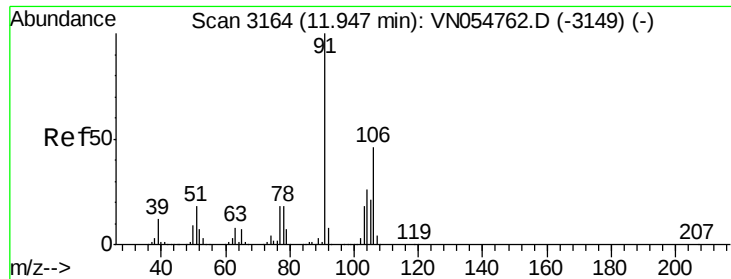
Tot Ion: 91 Resp: 17017
Ion Ratio Lower Upper
91 100
106 27.3 25.5 38.3



#68
m/p-Xylenes
Concen: 1.771 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 106 Resp: 12783
Ion Ratio Lower Upper
106 100
91 203.8 159.4 239.2

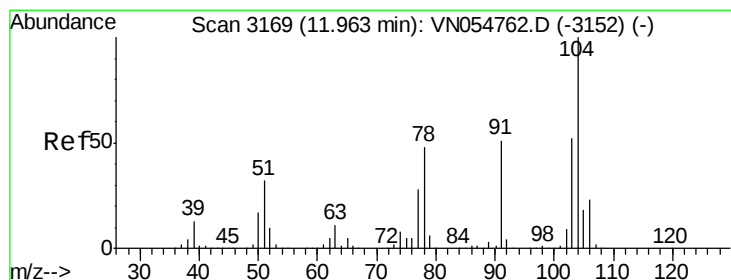
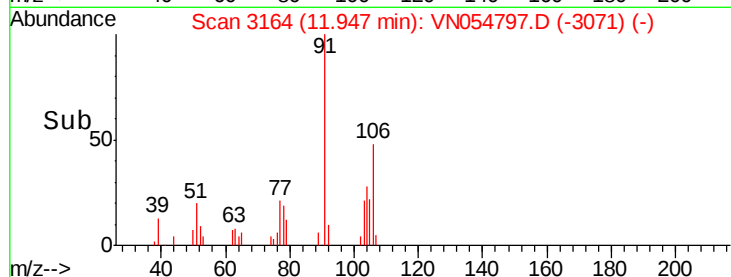
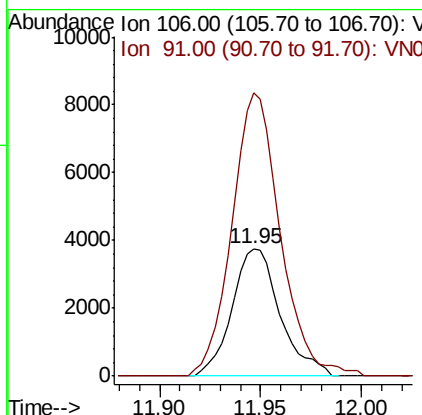
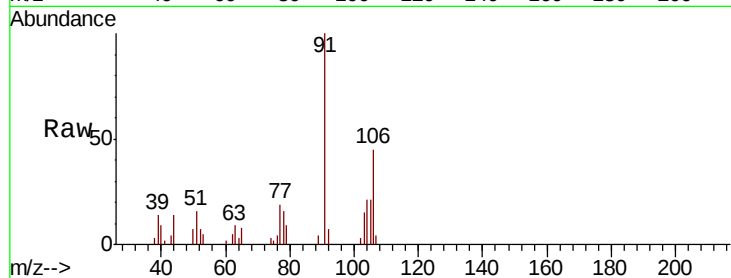




#69
o-Xylene
Concen: 0.886 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

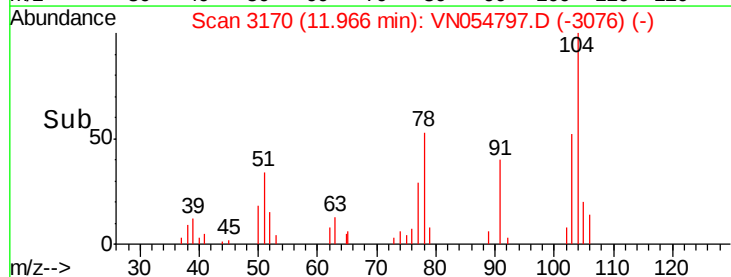
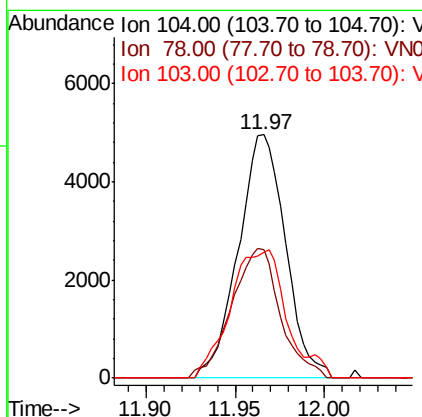
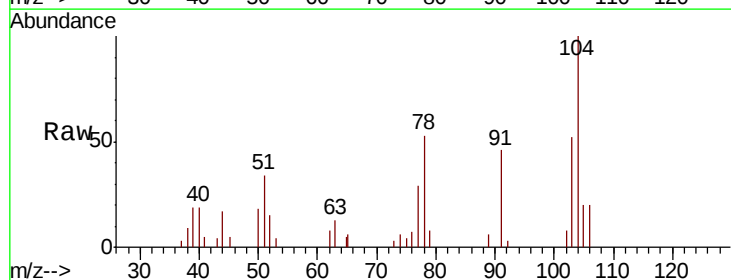
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

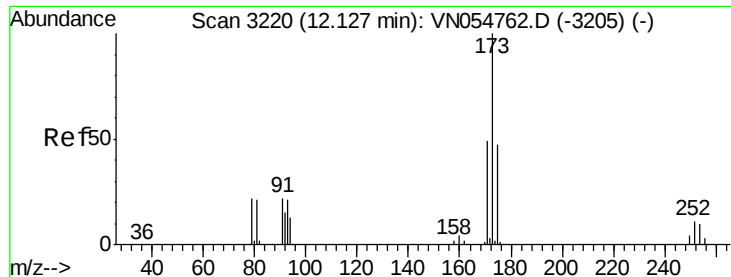
Tot Ion:106 Resp: 6273
Ion Ratio Lower Upper
106 100
91 223.6 105.7 317.1



#70
Styrene
Concen: 0.812 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion:104 Resp: 9187
Ion Ratio Lower Upper
104 100
78 55.1 38.2 57.2
103 62.5 44.4 66.6





#71

Bromoform

Concen: 0.781 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

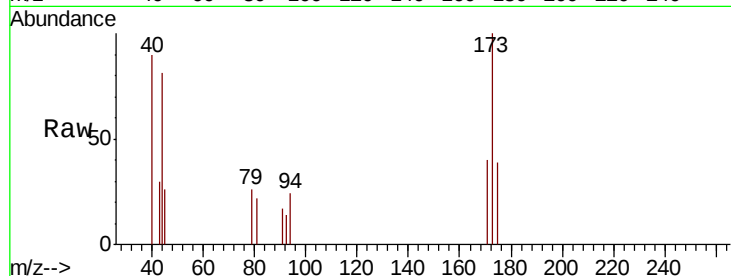
Tot Ion:173 Resp: 1852

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.2

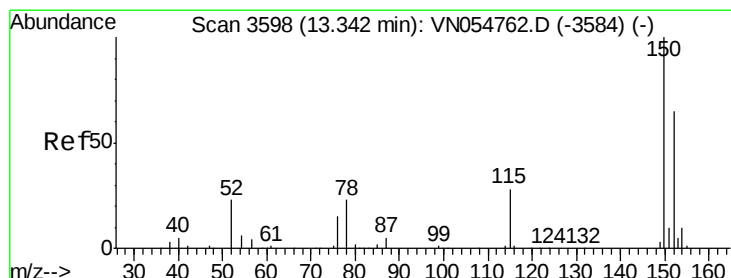
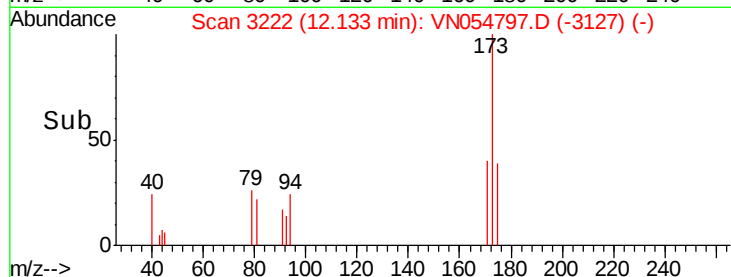
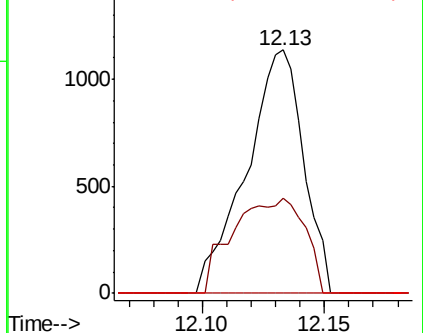
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

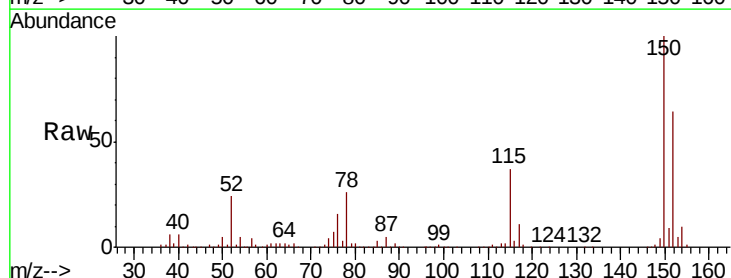
Tgt Ion:152 Resp: 193976

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

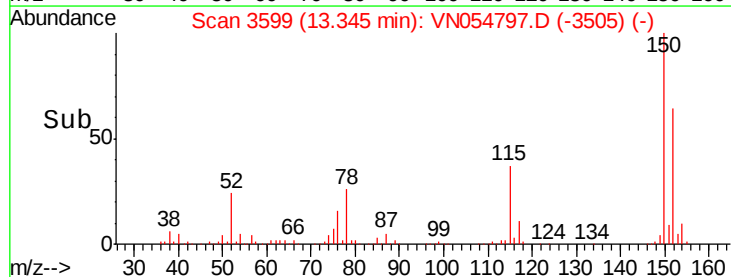
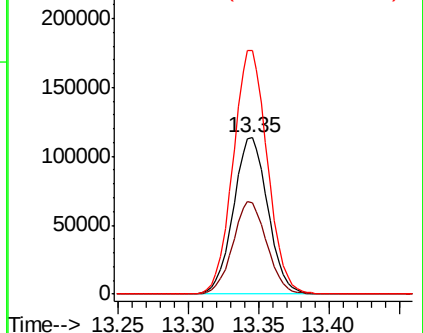
150 154.9 0.0 349.2

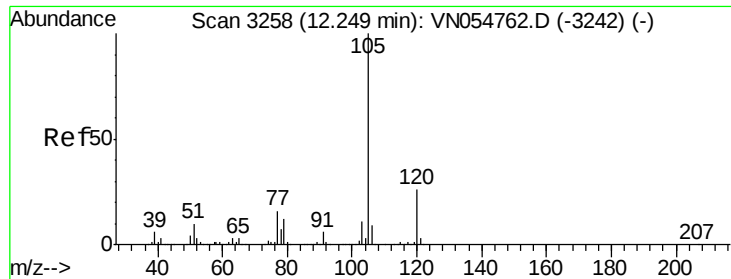


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.018 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

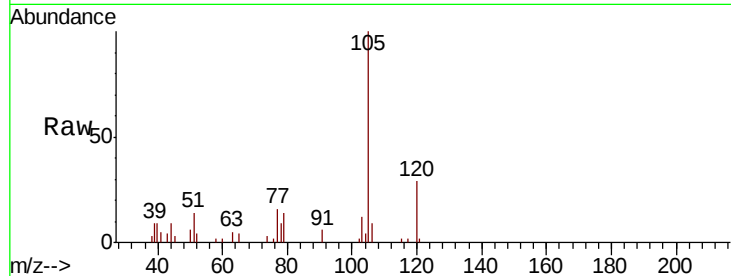
LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 16141

Ion Ratio Lower Upper

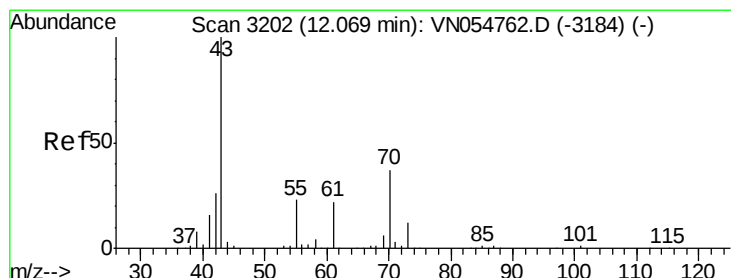
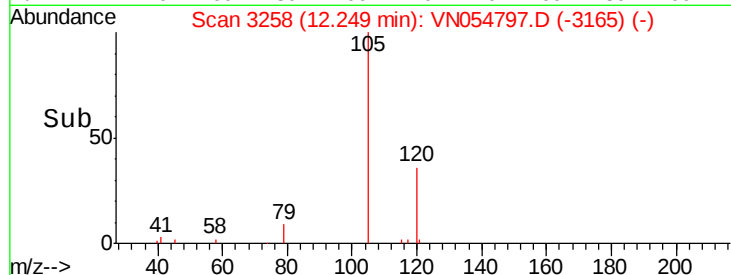
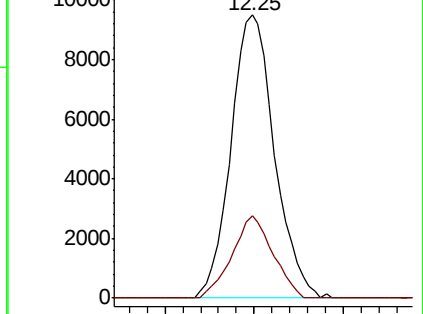
105 100

120 27.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.894 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion: 43 Resp: 4415

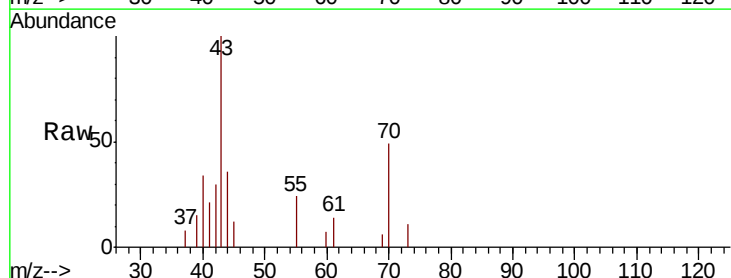
Ion Ratio Lower Upper

43 100

70 38.7 35.4 53.0

55 25.1 19.8 29.6

61 15.2 19.8 29.6#

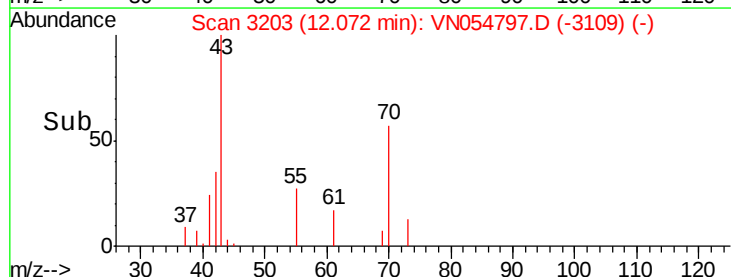
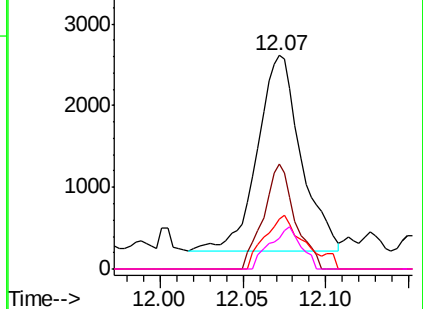


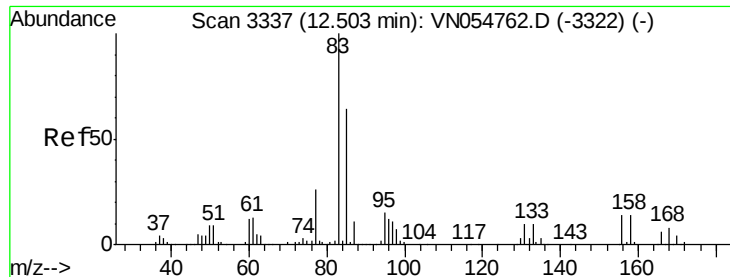
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

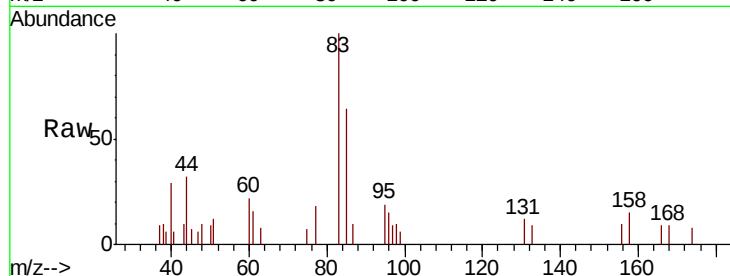
Tot Ion: 83 Resp: 4345

Ion Ratio Lower Upper

83 100

131 8.8 5.8 17.4

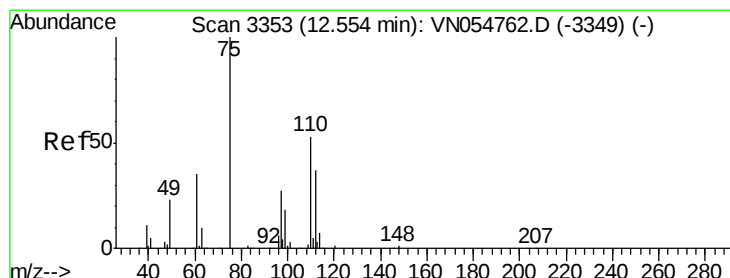
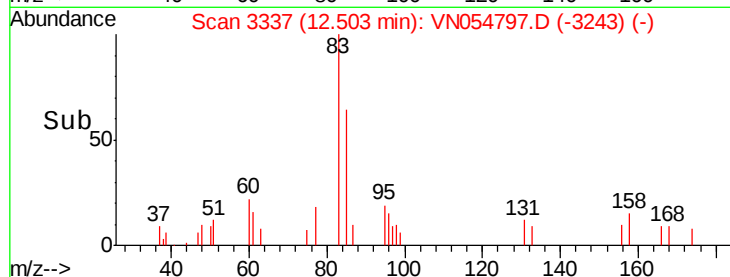
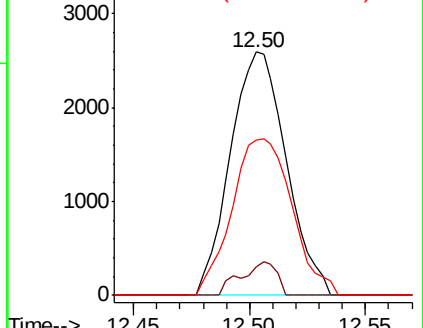
85 69.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 38.432 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054797.D

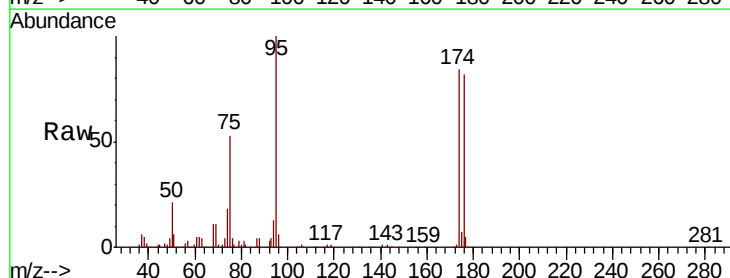
Acq: 30 Mar 2019 12:53

Tgt Ion: 75 Resp: 129510

Ion Ratio Lower Upper

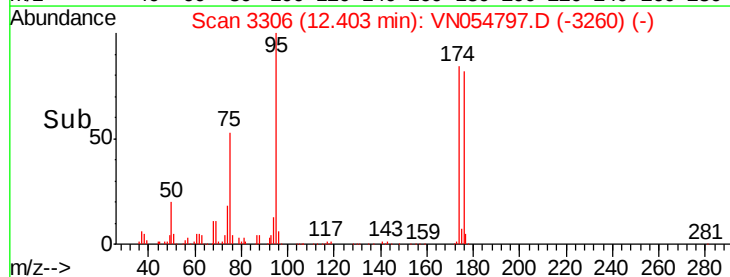
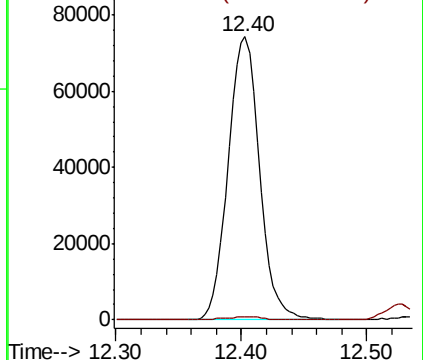
75 100

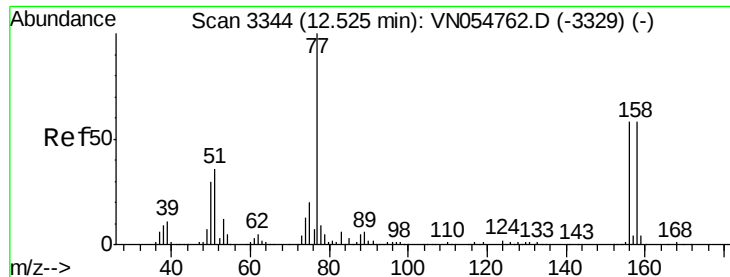
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

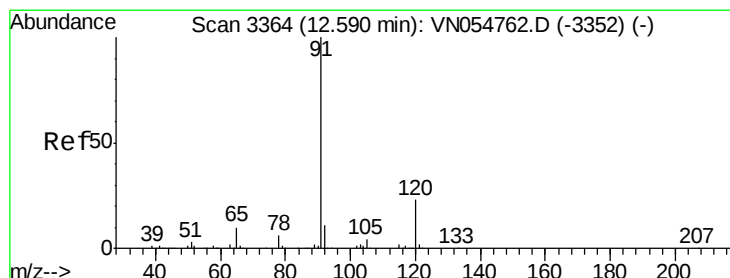
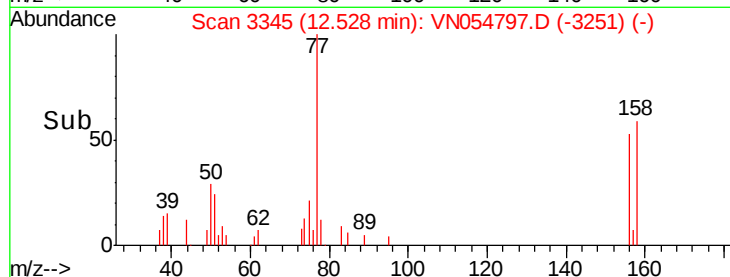
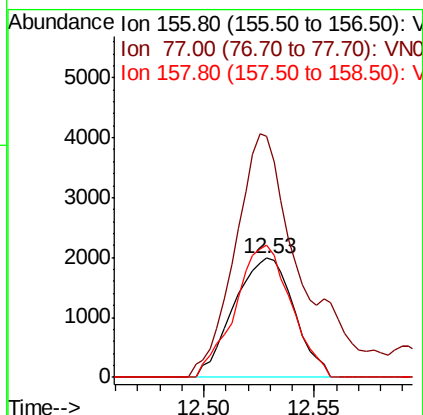
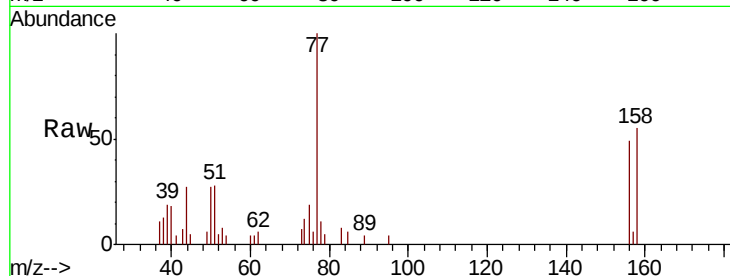




#77
Bromobenzene
Concen: 0.981 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

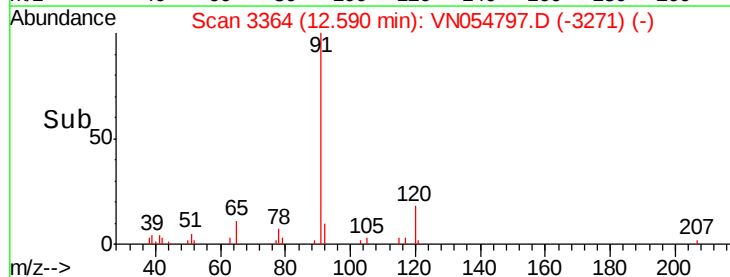
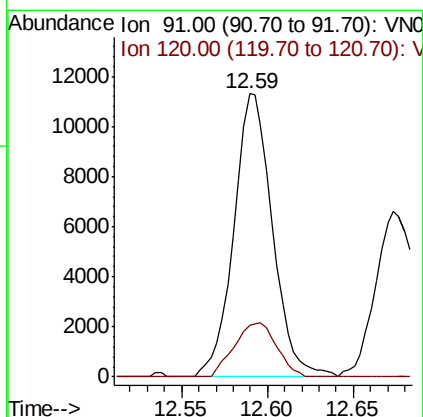
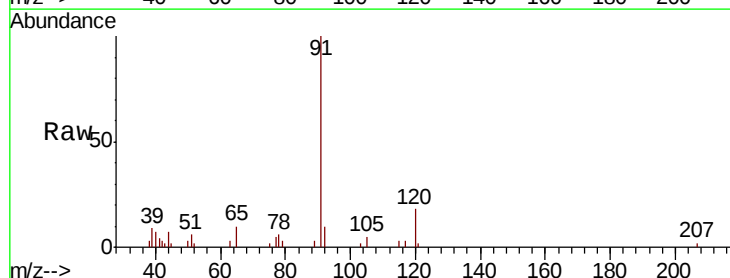
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

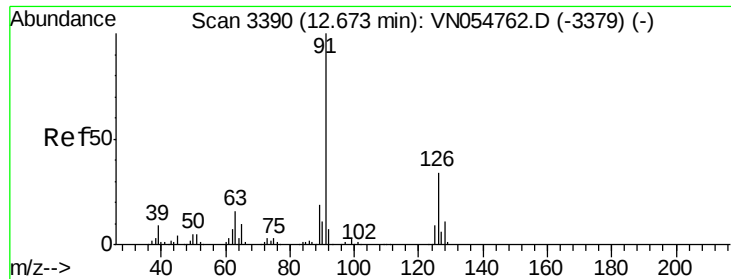
Tot Ion:156 Resp: 3753
Ion Ratio Lower Upper
156 100
77 226.9 81.5 244.4
158 103.1 49.0 147.2



#78
n-propylbenzene
Concen: 1.019 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 91 Resp: 17752
Ion Ratio Lower Upper
91 100
120 20.7 12.3 36.9





#79

2-Chlorotoluene

Concen: 1.038 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

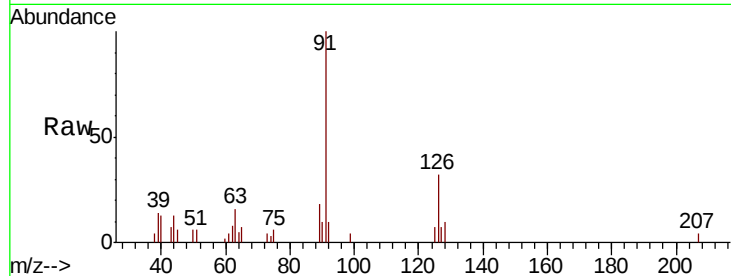
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 11196

Ion Ratio Lower Upper

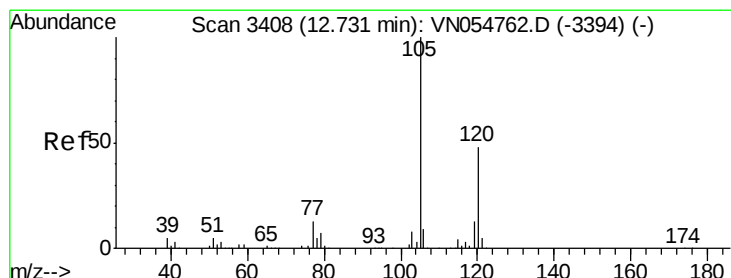
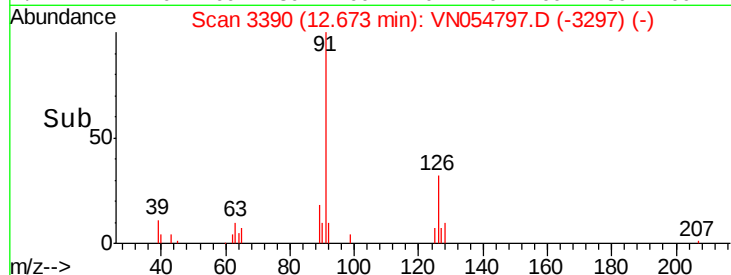
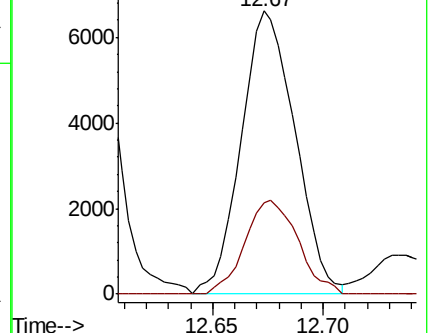
91 100

126 32.7 18.7 56.1



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

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



#80

1,3,5-Trimethylbenzene

Concen: 0.963 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054797.D

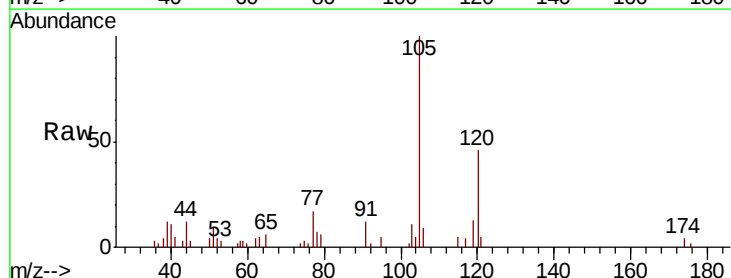
Acq: 30 Mar 2019 12:53

Tgt Ion: 105 Resp: 12525

Ion Ratio Lower Upper

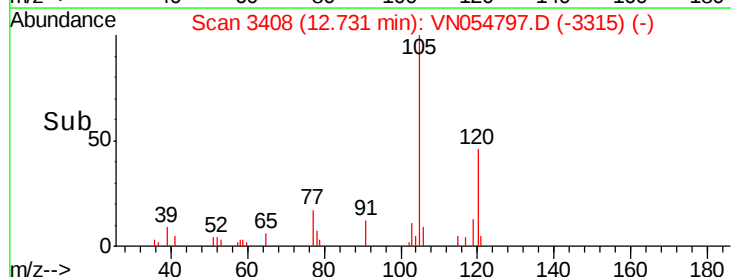
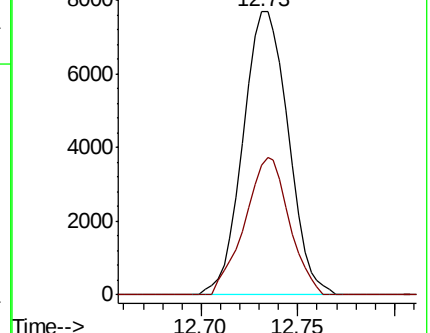
105 100

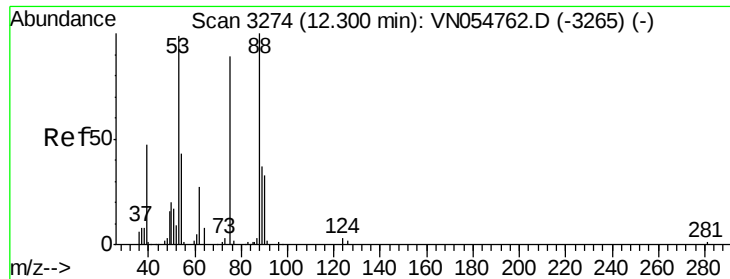
120 47.7 25.0 75.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 149.492 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

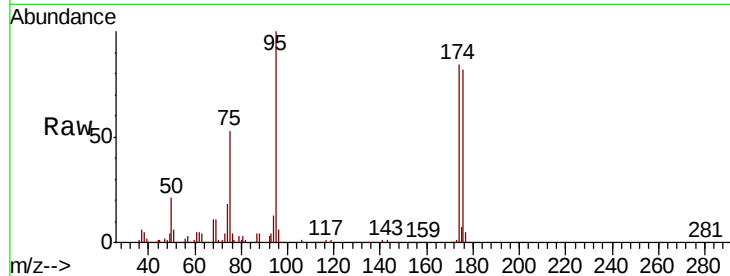
Tot Ion: 75 Resp: 129510

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

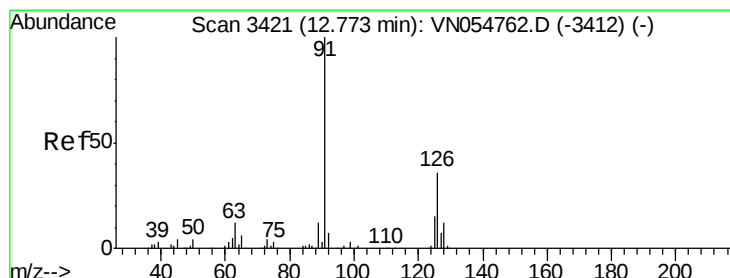
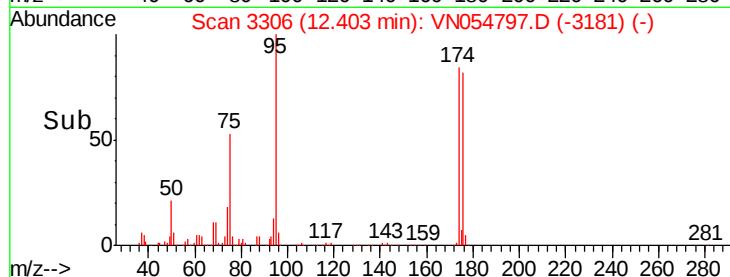
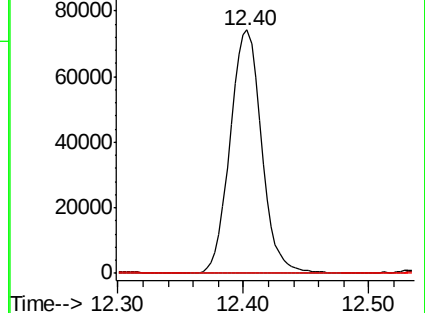
89 0.0 39.2 58.8#



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: 1.036 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054797.D

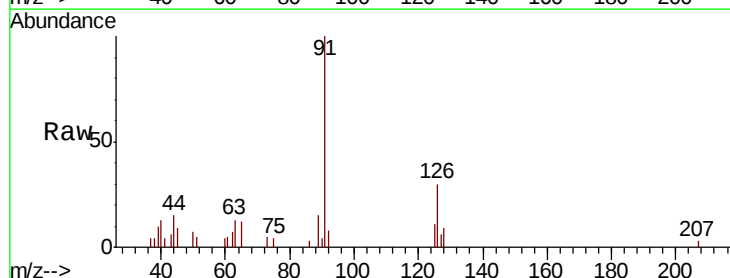
Acq: 30 Mar 2019 12:53

Tgt Ion: 91 Resp: 10848

Ion Ratio Lower Upper

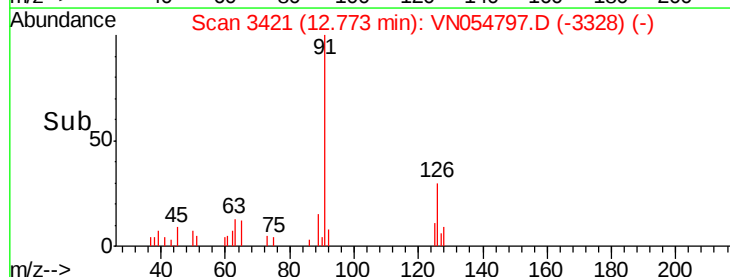
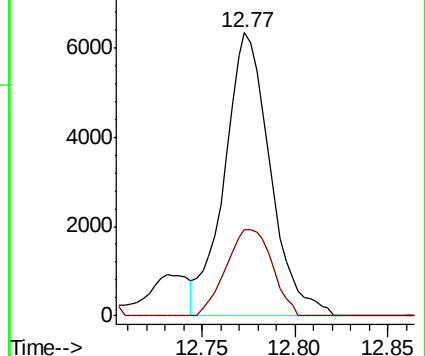
91 100

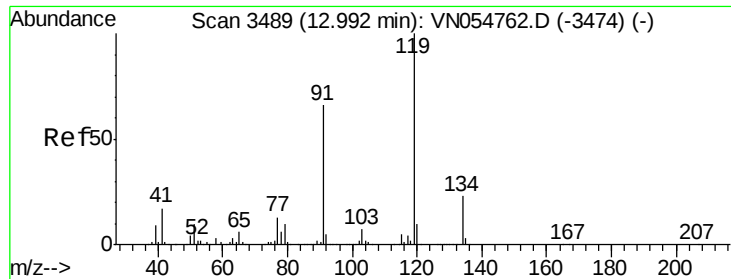
126 30.7 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

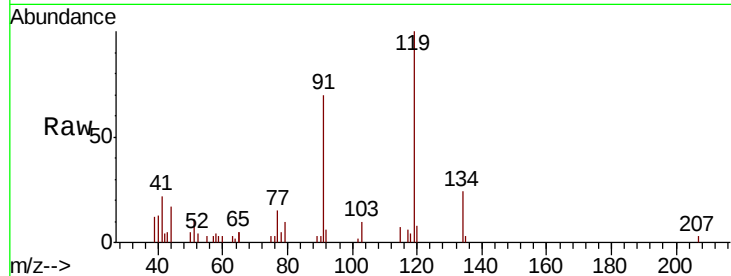




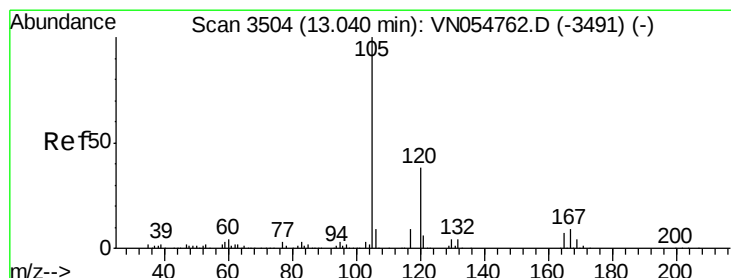
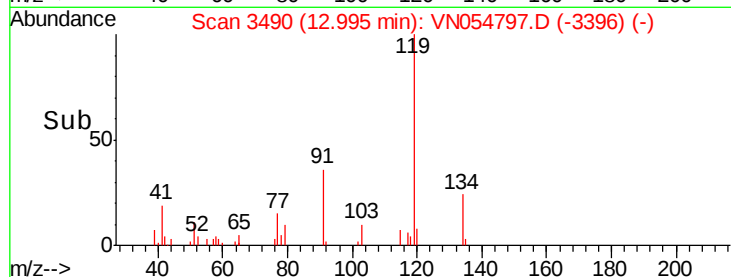
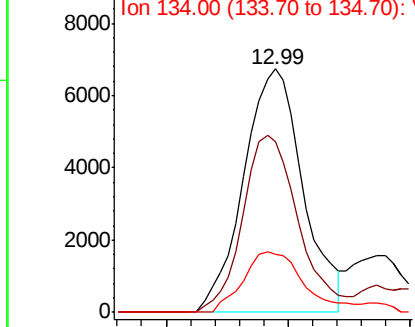
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

Tot Ion:119 Resp: 11391
 Ion Ratio Lower Upper
 119 100
 91 68.2 30.9 92.8
 134 25.2 13.2 39.6

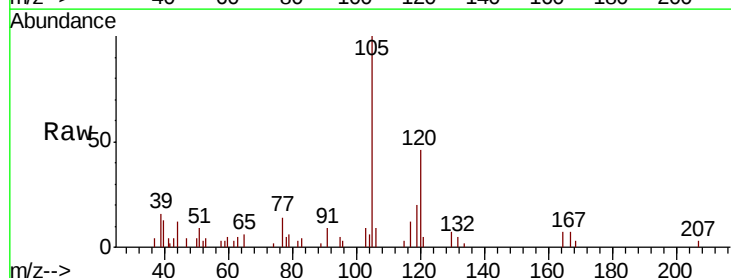


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

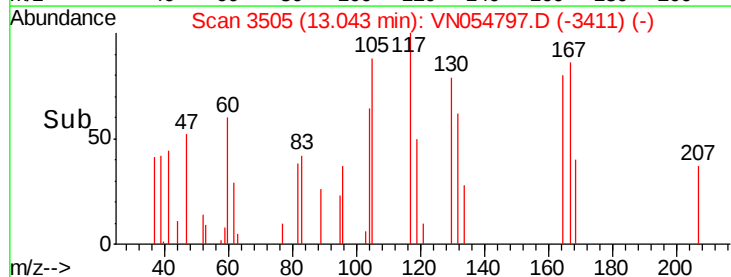
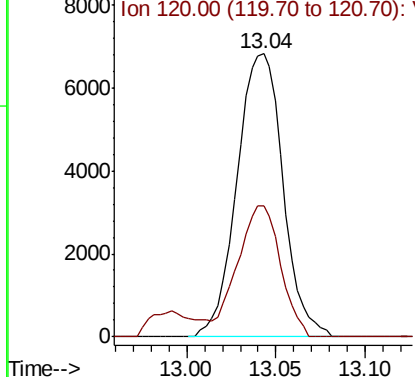


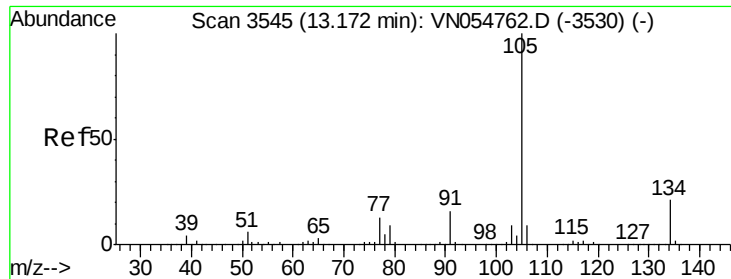
#84
 1,2,4-Trimethylbenzene
 Concen: 0.987 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion:105 Resp: 12238
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 0.995 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

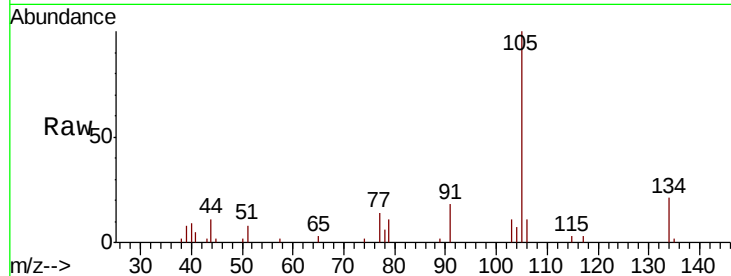
LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 14067

Ion Ratio Lower Upper

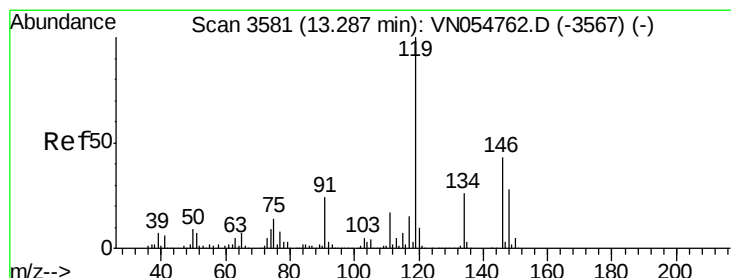
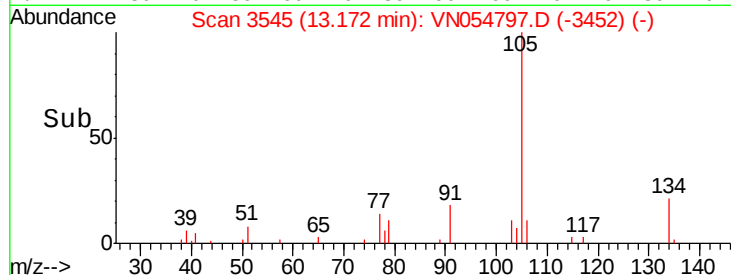
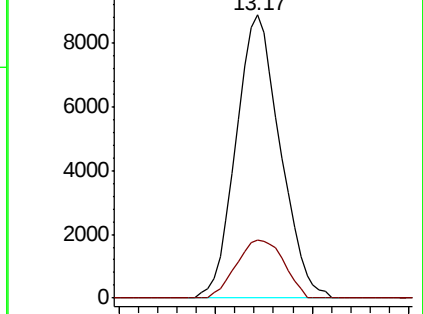
105 100

134 22.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.880 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

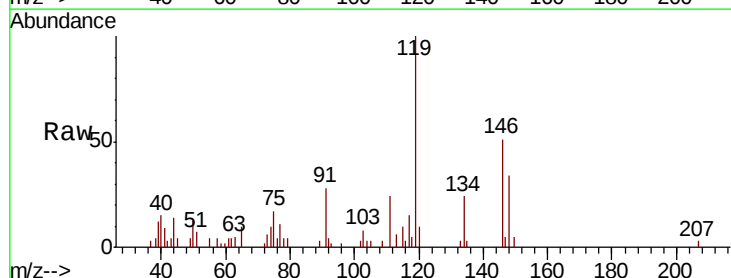
Tgt Ion:119 Resp: 10966

Ion Ratio Lower Upper

119 100

134 23.2 13.6 40.8

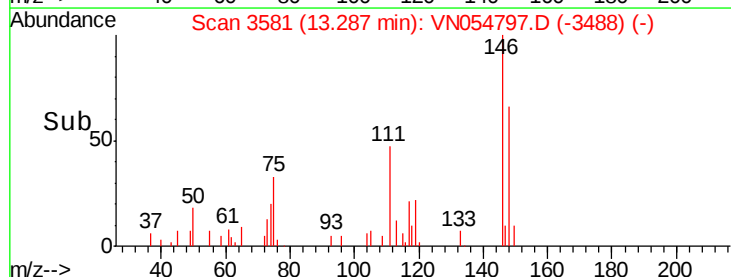
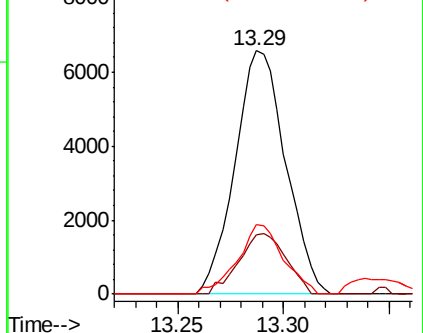
91 26.0 11.1 33.3

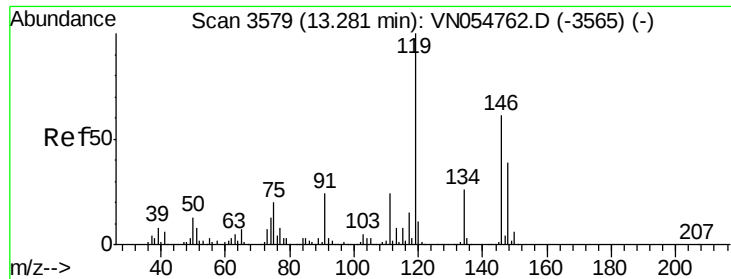


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

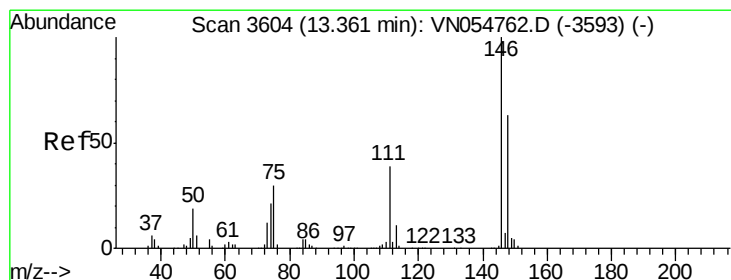
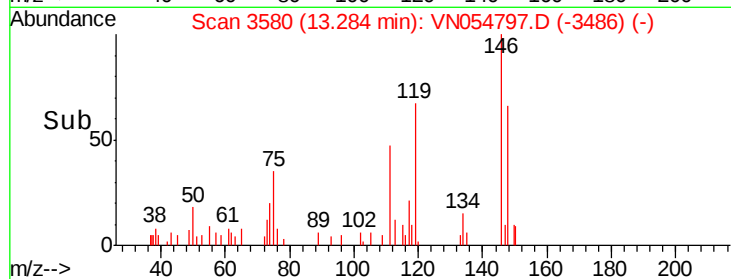
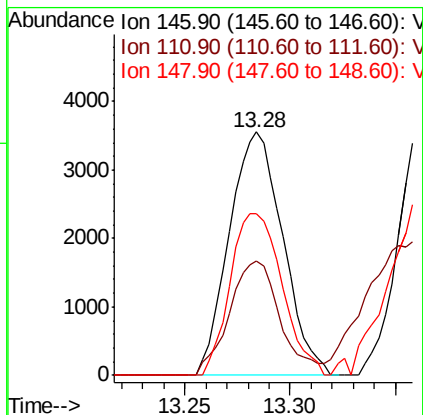
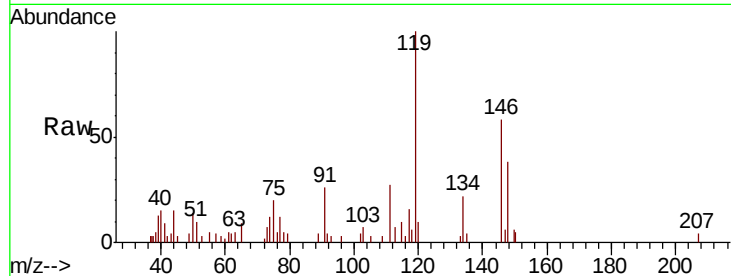




#87
 1,3-Dichlorobenzene
 Concen: 0.977 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

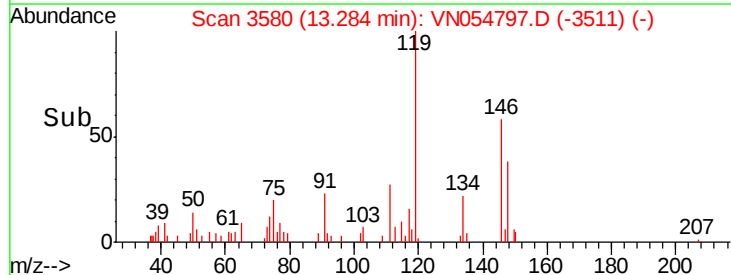
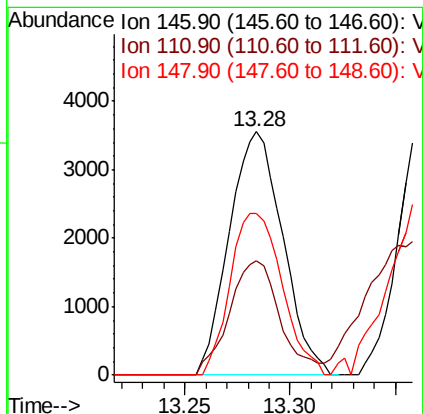
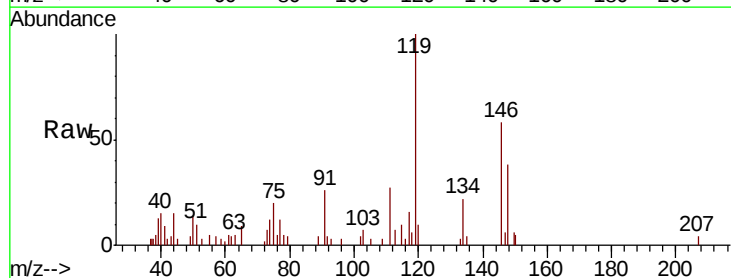
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

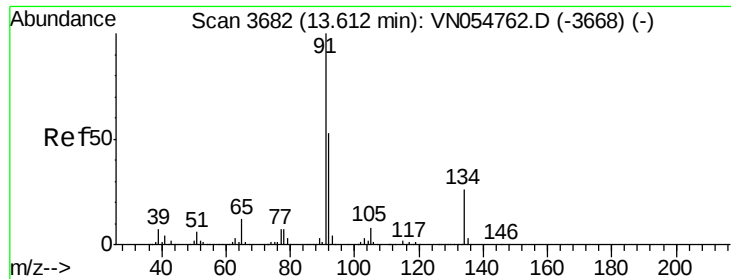
Tot Ion:146 Resp: 6260
 Ion Ratio Lower Upper
 146 100
 111 44.2 18.8 56.3
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.996 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion:146 Resp: 6260
 Ion Ratio Lower Upper
 146 100
 111 44.2 18.1 54.1
 148 64.4 32.0 96.0

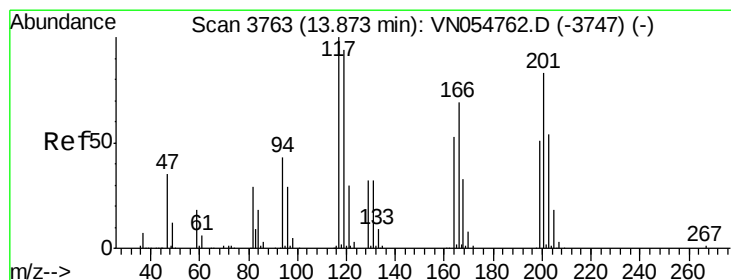
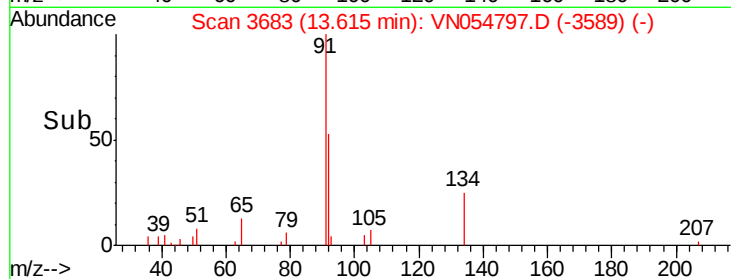
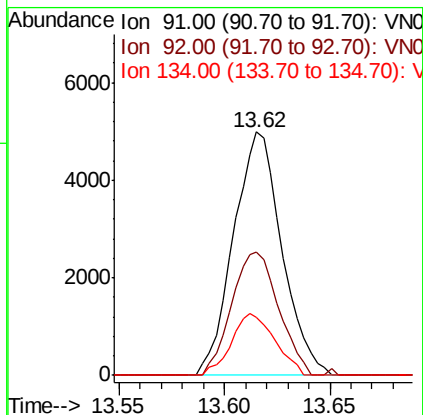
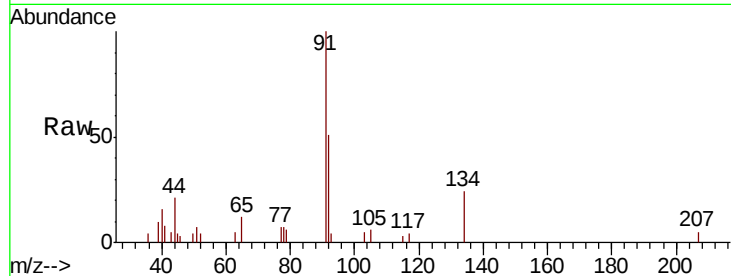




#89
n-Butylbenzene
Concen: 0.781 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

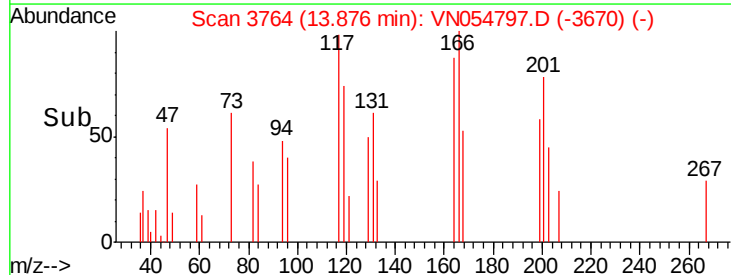
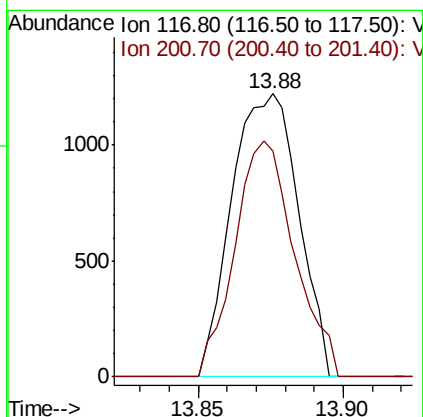
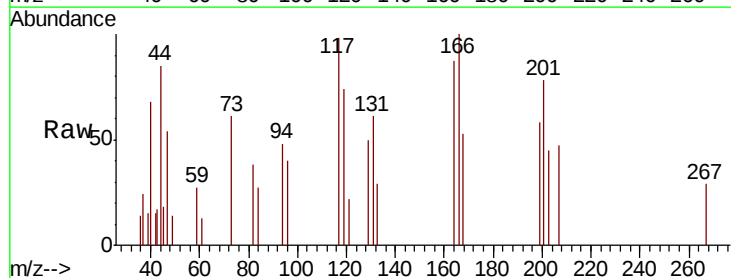
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

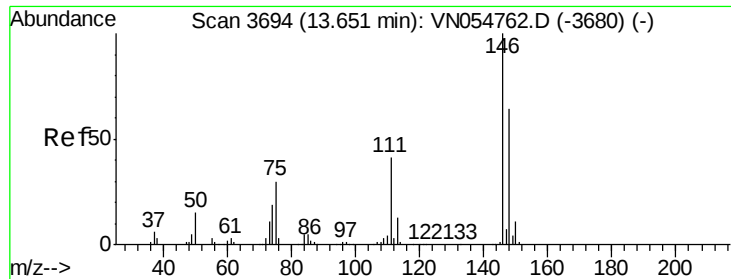
Tot Ion: 91 Resp: 7946
Ion Ratio Lower Upper
91 100
92 49.2 26.2 78.6
134 22.8 14.3 42.9



#90
Hexachloroethane
Concen: 0.922 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 117 Resp: 1951
Ion Ratio Lower Upper
117 100
201 74.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 1.034 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

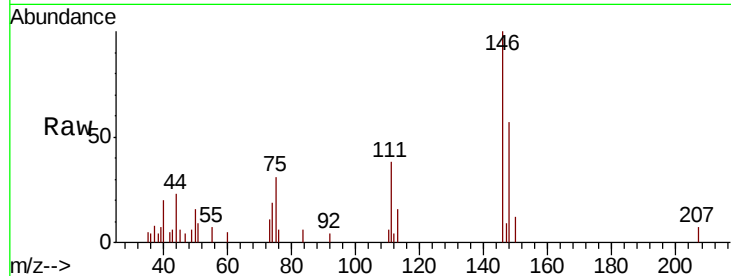
Tot Ion:146 Resp: 6683

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

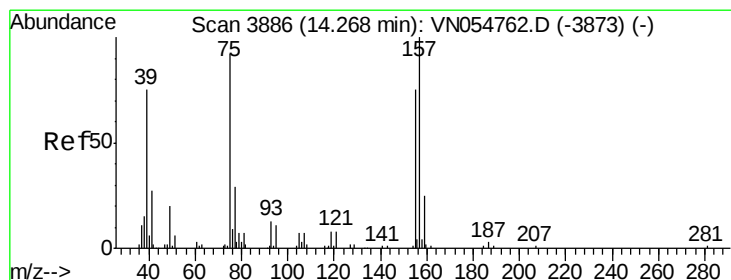
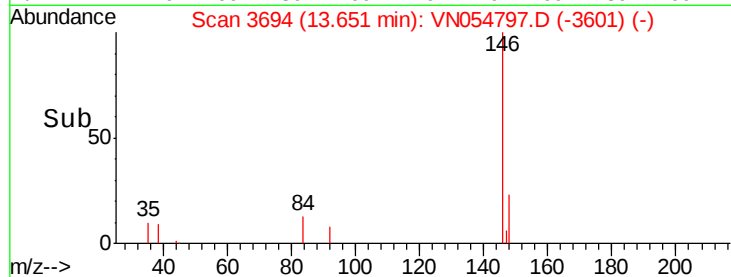
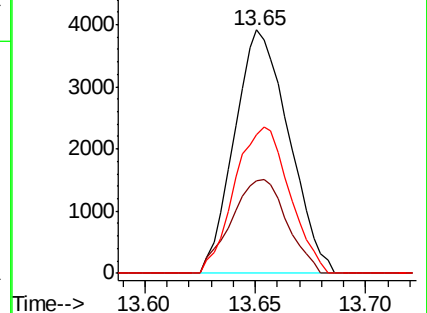
148 60.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.769 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

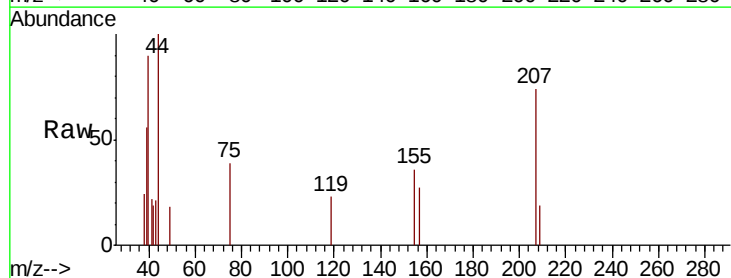
Tgt Ion: 75 Resp: 417

Ion Ratio Lower Upper

75 100

155 87.3 50.1 150.3

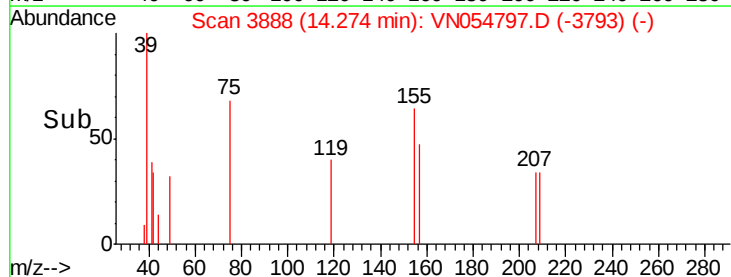
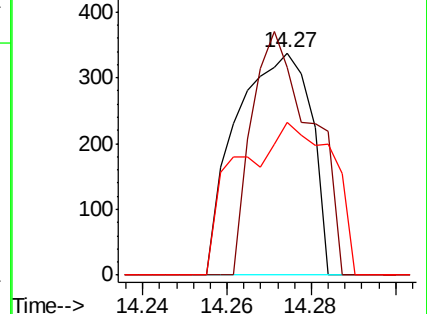
157 86.8 63.1 189.3

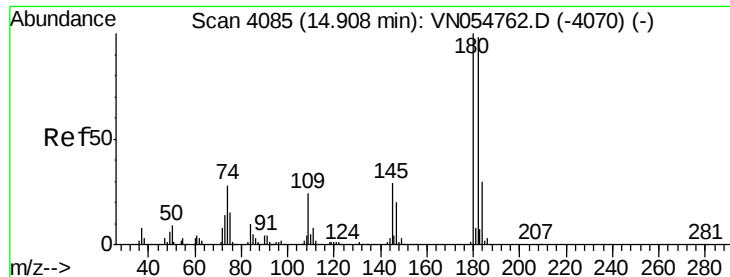


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

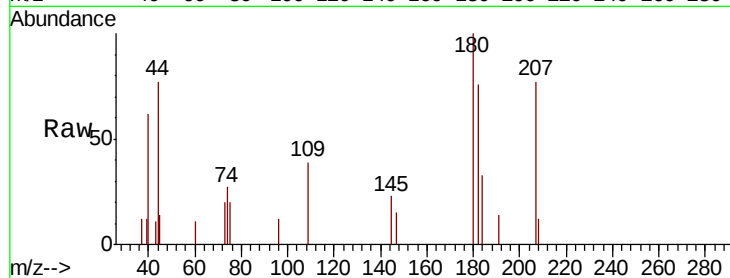




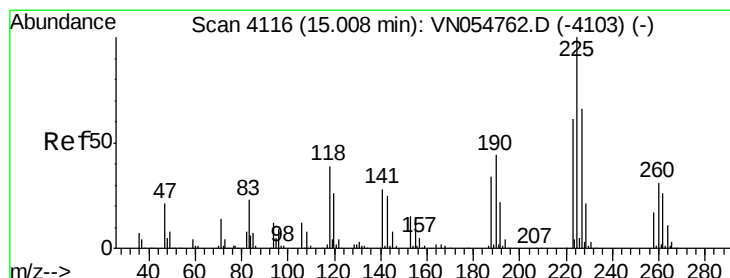
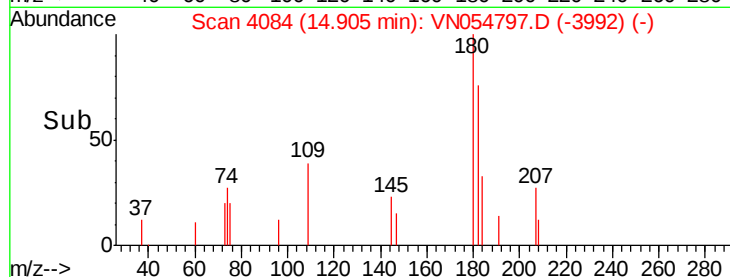
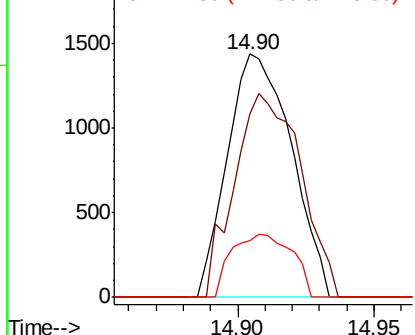
#93
 1,2,4-Trichlorobenzene
 Concen: 0.752 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

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

Tot Ion:180 Resp: 2343
 Ion Ratio Lower Upper
 180 100
 182 86.8 48.0 144.2
 145 24.6 14.2 42.8

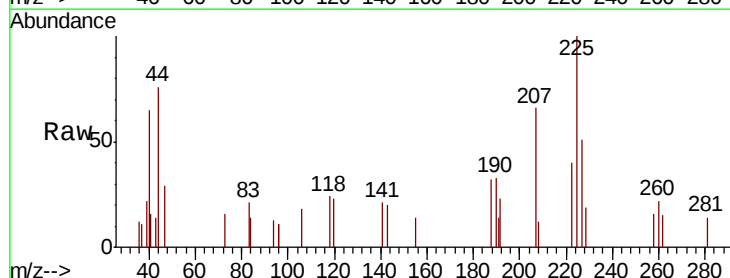


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

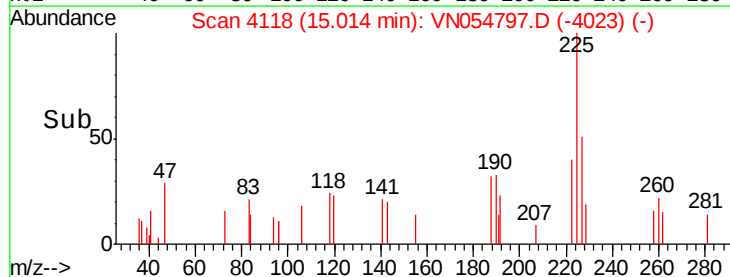
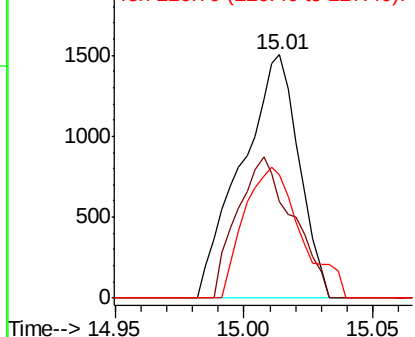


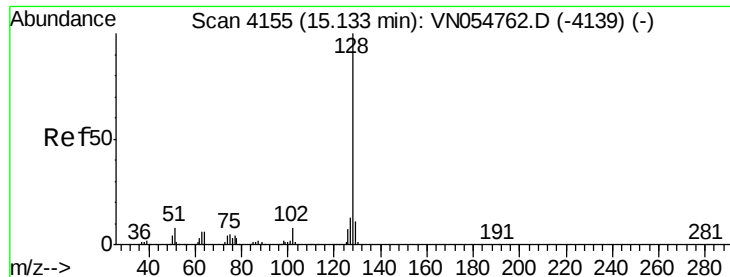
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion:225 Resp: 2337
 Ion Ratio Lower Upper
 225 100
 223 56.1 31.1 93.5
 227 53.4 31.9 95.9



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





#95

Naphthalene

Concen: 0.838 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

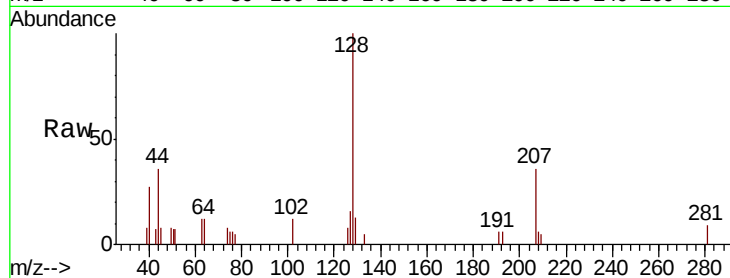
Tot Ion:128 Resp: 5862

Ion Ratio Lower Upper

128 100

127 11.4 10.1 15.1

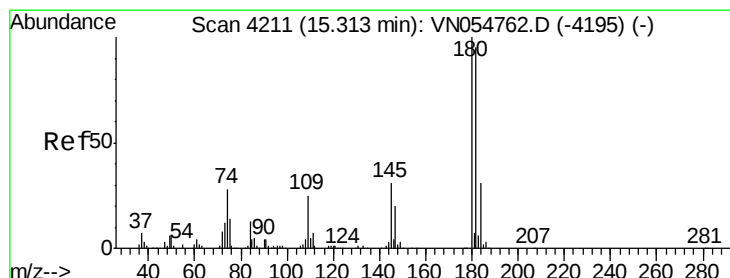
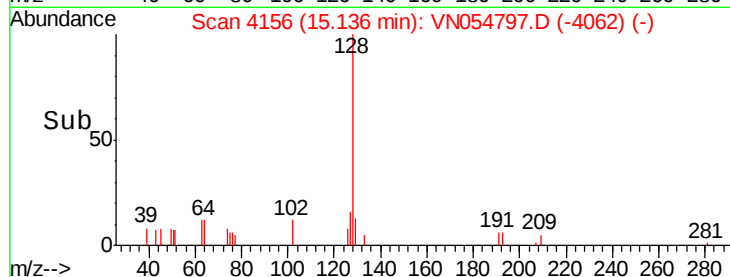
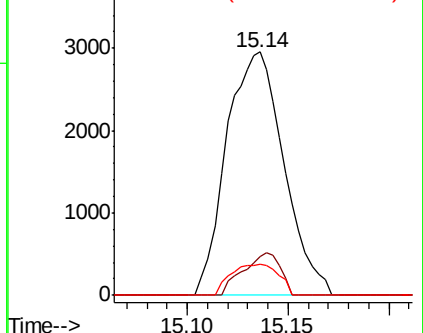
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.830 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

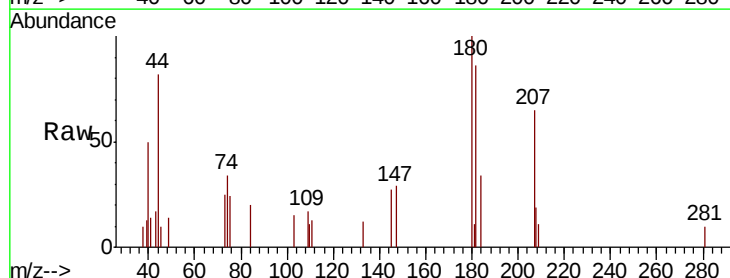
Tgt Ion:180 Resp: 2612

Ion Ratio Lower Upper

180 100

182 90.4 47.5 142.6

145 37.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

