

Data File : VN054983.D
Acq On : 11 Apr 2019 18:04
Operator : JC/SP
Sample : K2241-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 12 08:00:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	75089	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	400788	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	334565	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	172525	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	134700	25.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.20%
63) Toluene-d8	10.09	98	499603	31.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	11414	2.585 ug/l	98
3) Chloromethane	2.06	50	17254	2.892 ug/l	97
4) Vinyl Chloride	2.19	62	14233	2.759 ug/l	94
5) Bromomethane	2.57	94	9332	3.127 ug/l	96
6) Chloroethane	2.71	64	7942	2.749 ug/l	95
7) Trichlorofluoromethane	3.02	101	17769	2.695 ug/l	98
8) Diethyl Ether	3.41	74	5937	2.805 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	10236	2.840 ug/l	65
10) 1,1-Dichloroethene	3.73	96	8903	2.672 ug/l	95
11) Methyl Iodide	3.94	142	11151	2.212 ug/l	96
12) Methyl Acetate	4.32	43	4453	1.087 ug/l	97
13) Acrolein	3.61	56	5730	15.954 ug/l	95
14) Acrylonitrile	5.00	53	20878	12.435 ug/l	97
15) Acetone	3.82	58	4530	10.903 ug/l	90
16) Carbon Disulfide	4.04	76	28928	2.588 ug/l	97
17) Allyl chloride	4.32	41	19204	2.341 ug/l	97
18) Methylene Chloride	4.55	84	14404	2.925 ug/l	88
19) trans-1,2-Dichloroethene	5.04	96	11843	2.731 ug/l	94
20) Diisopropyl ether	5.96	45	40806	2.455 ug/l	93
21) 1,1-Dichloroethane	5.85	63	23215	2.615 ug/l	96
22) cis-1,2-Dichloroethene	6.83	96	13525	2.683 ug/l	96
23) tert-Butyl Alcohol	4.81	59	1647	6.152 ug/l	# 100
24) Methyl tert-Butyl Ether	5.06	73	29574	2.643 ug/l	# 90
25) Chloroform	7.37	83	22438	2.638 ug/l	88
26) Cyclohexane	7.65	56	20347	2.470 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	15891	2.546 ug/l	97
30) 2-Butanone	6.85	43	25191	12.158 ug/l	# 82
31) 2,2-Dichloropropane	6.82	77	7572	1.318 ug/l	# 100
32) 1,1,1-Trichloroethane	7.57	97	16525	2.505 ug/l	# 82
33) Carbon Tetrachloride	7.77	117	14313	2.506 ug/l	97
34) Benzene	8.04	78	50070	2.707 ug/l	# 17
35) Methacrylonitrile	7.18	41	4965	2.033 ug/l	97
36) 1,2-Dichloroethane	8.13	62	18017	2.850 ug/l	96
37) Trichloroethene	8.84	130	13663	2.897 ug/l	99
38) Methylcyclohexane	9.08	83	18512	2.557 ug/l	98
39) 1,2-Dichloropropane	9.12	63	12406	2.429 ug/l	90
40) Dibromomethane	9.21	93	8321	2.882 ug/l	96

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	15162	2.545	ug/l #	99
42) Vinyl Acetate	5.90	43	127957	12.216	ug/l	99
43) Ethyl Acetate	6.95	43	10256	2.430	ug/l #	72
44) Isopropyl Acetate	8.17	43	18799	2.628	ug/l #	84
45) 1,4-Dioxane	9.20	88	1911	48.222	ug/l	92
46) Methyl methacrylate	9.20	41	8847	2.391	ug/l	82
47) n-amyl Acetate	12.07	43	10183	1.933	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	11815	2.159	ug/l	92
49) cis-1,3-Dichloropropene	9.84	75	16030	2.373	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	10756	2.743	ug/l	93
51) Ethyl methacrylate	10.43	69	11620	2.486	ug/l	97
52) 1,3-Dichloropropane	10.71	76	17524	2.551	ug/l	97
53) Dibromochloromethane	10.90	129	8921	2.209	ug/l	61
54) 1,2-Dibromoethane	11.01	107	9835	2.672	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	19430	9.943	ug/l	97
56) Bromoform	12.12	173	5277	2.079	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	52971	13.729	ug/l	99
59) 2-Hexanone	10.75	43	32208	13.141	ug/l	92
61) Tetrachloroethene	10.63	164	11849	2.721	ug/l	94
62) Toluene	10.15	91	49422	2.681	ug/l	97
64) Chlorobenzene	11.43	112	28075	2.523	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	10652	2.691	ug/l	98
66) Ethyl Benzene	11.51	91	50088	2.535	ug/l	100
67) m/p-Xylenes	11.62	106	36374	4.952	ug/l	93
68) o-Xylene	11.95	106	17600	2.425	ug/l	97
69) Styrene	11.97	104	24187	2.146	ug/l	94
70) Isopropylbenzene	12.25	105	46135	2.377	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	11913	2.684	ug/l	90
72) 1,2,3-Trichloropropane	12.55	75	12940	3.530	ug/l	59
73) Bromobenzene	12.53	156	10523	2.294	ug/l	91
74) n-propylbenzene	12.59	91	48201	2.218	ug/l	99
75) 2-Chlorotoluene	12.67	91	31690	2.418	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	37437	2.386	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	1799	1.947	ug/l	92
78) 4-Chlorotoluene	12.77	91	24949	1.998	ug/l	98
79) tert-butylbenzene	12.99	119	32757	2.413	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	33002	2.141	ug/l	99
81) sec-Butylbenzene	13.17	105	40668	2.242	ug/l	97
82) p-Isopropyltoluene	13.29	119	33435	2.184	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	15253	1.988	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	12980	1.780	ug/l	92
85) n-Butylbenzene	13.62	91	23086	1.893	ug/l	98
86) Hexachloroethane	13.87	117	5363	2.188	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	15948	2.122	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.26	75	1542	2.614	ug/l #	77
89) 1,2,4-Trichlorobenzene	14.91	180	5009	1.491	ug/l	98
90) Hexachlorobutadiene	15.00	225	6108	2.493	ug/l	96
91) Naphthalene	15.13	128	10818	1.538	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.31	180	5652	1.682	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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Sample : K2241-07
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QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

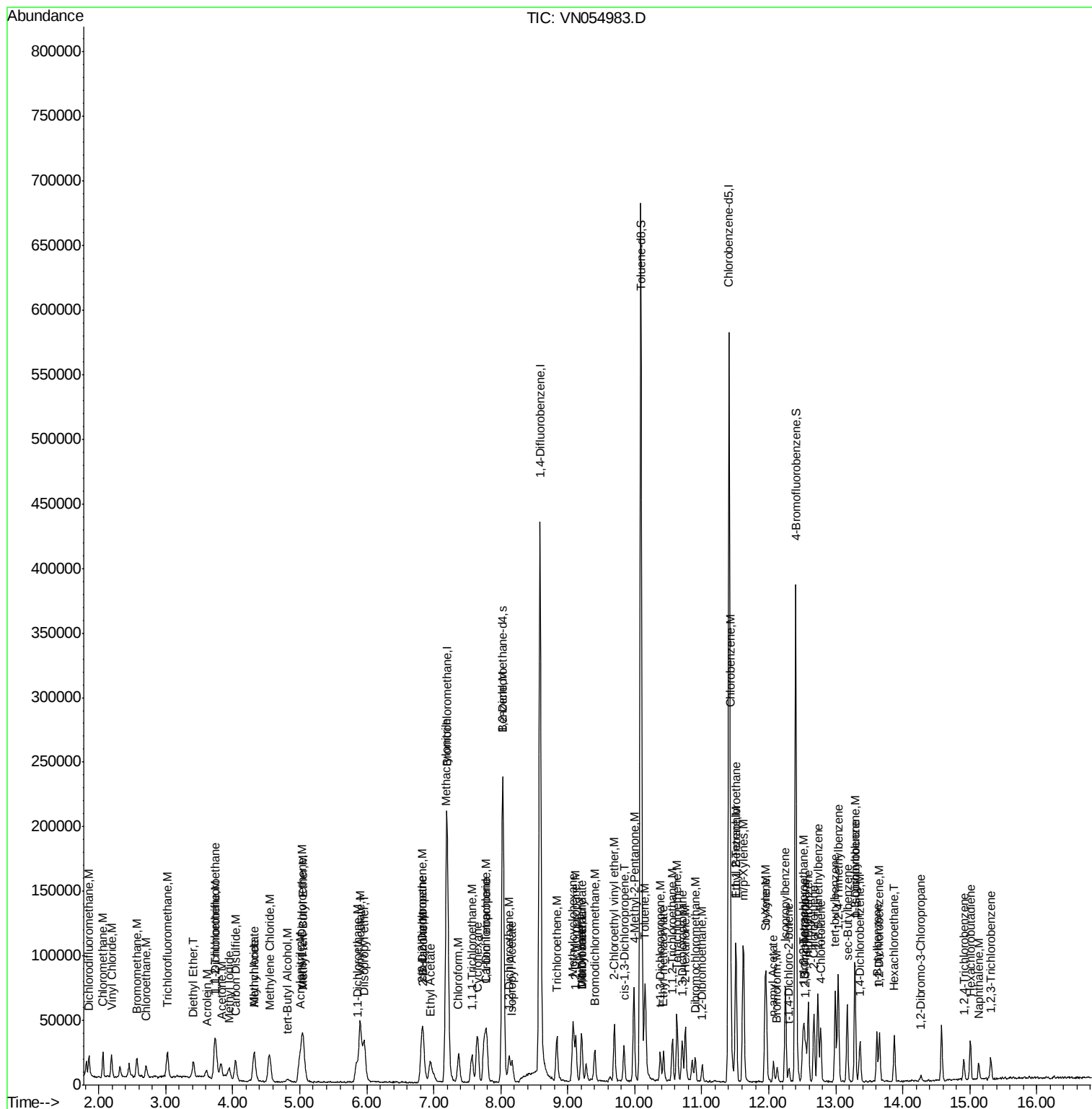
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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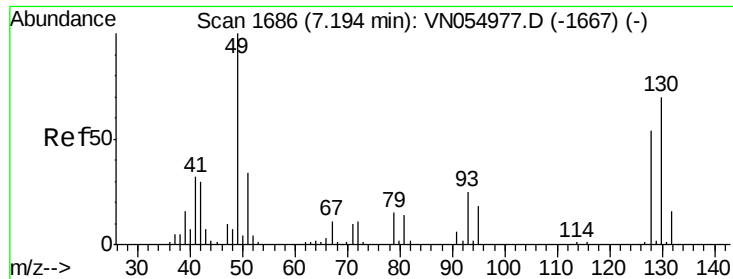
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ALS Vial      : 10      Sample Multiplier: 1
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LOD-MDL-WATER-01-QT2-2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

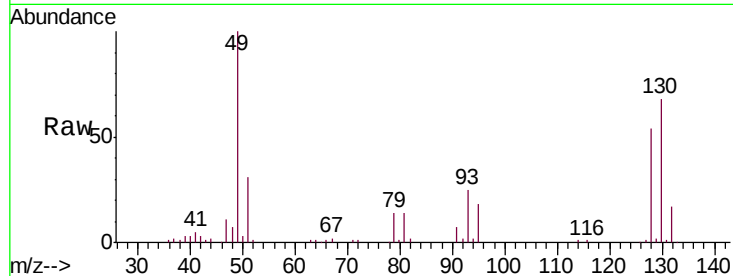
Tgt Ion:128 Resp: 75089

Ion Ratio Lower Upper

128 100

49 184.0 0.0 480.3

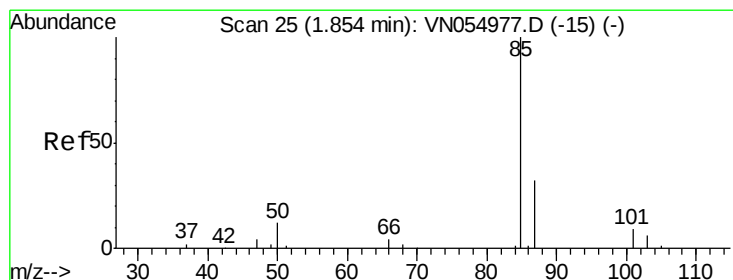
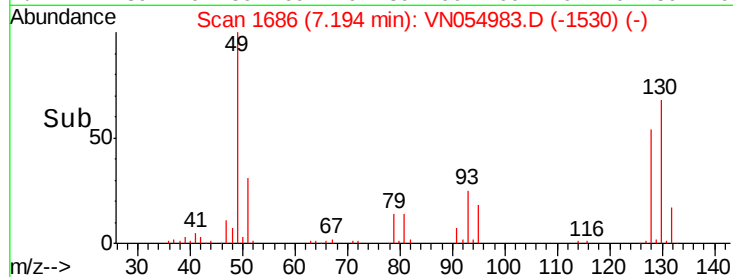
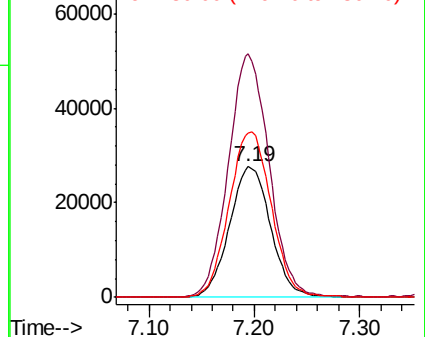
130 129.6 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.585 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054983.D

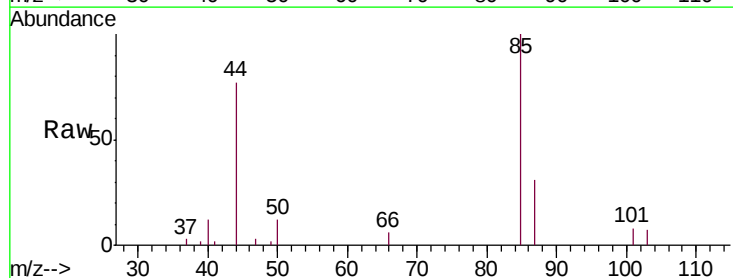
Acq: 11 Apr 2019 18:04

Tgt Ion: 85 Resp: 11414

Ion Ratio Lower Upper

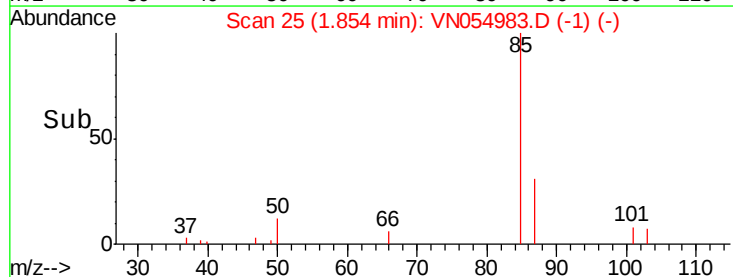
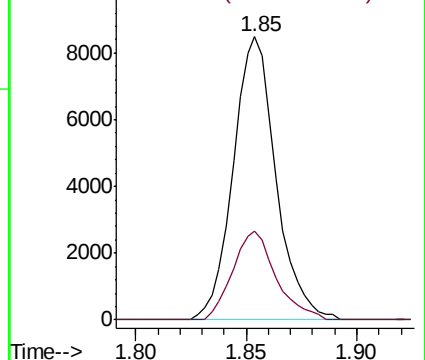
85 100

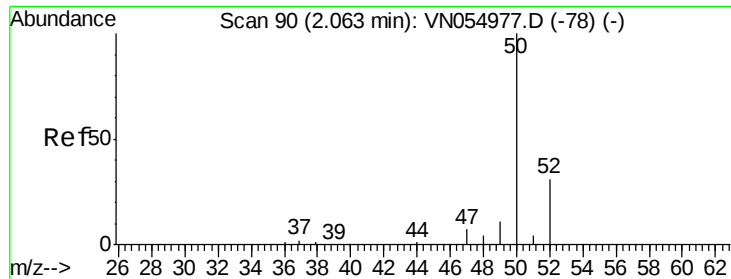
87 31.3 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

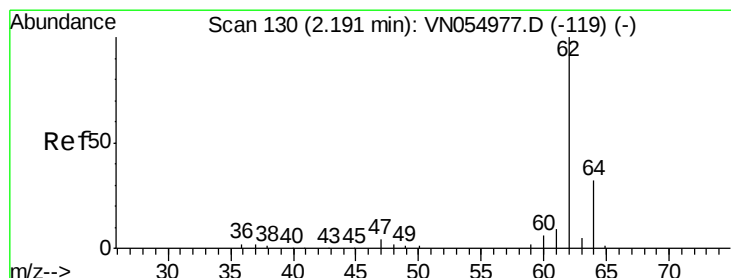
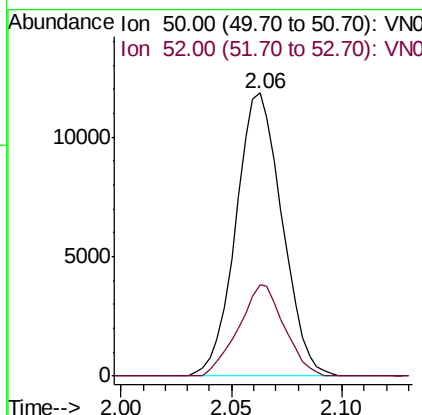
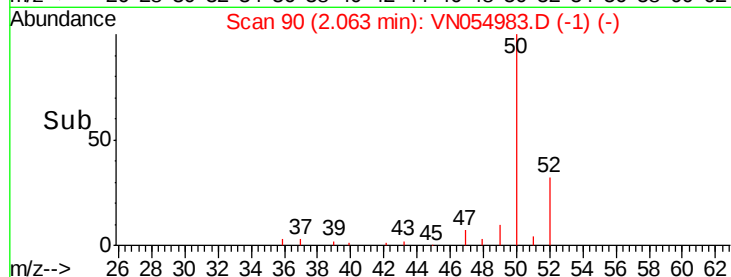
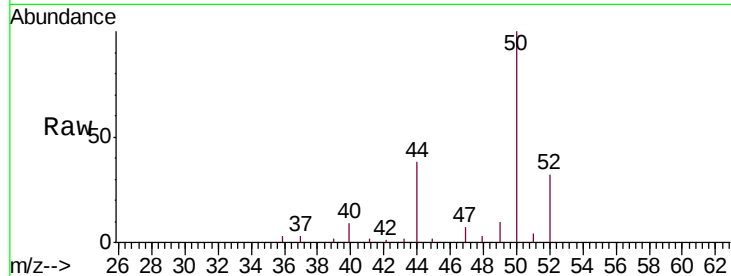




#3
 Chloromethane
 Concen: 2.892 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

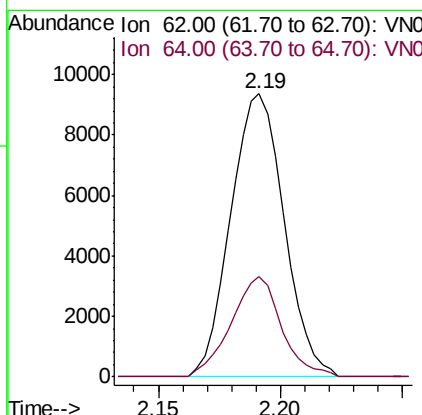
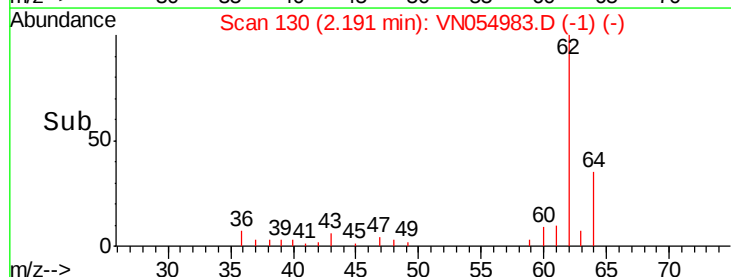
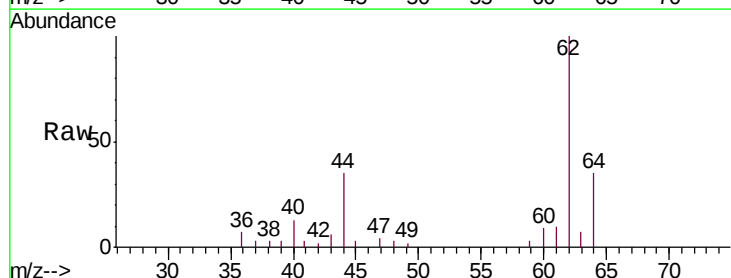
Instrument :
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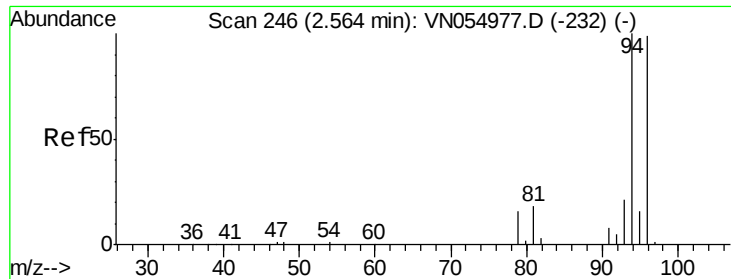
Tgt Ion: 50 Resp: 17254
 Ion Ratio Lower Upper
 50 100
 52 32.4 24.5 36.7



#4
 Vinyl Chloride
 Concen: 2.759 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 62 Resp: 14233
 Ion Ratio Lower Upper
 62 100
 64 35.4 25.6 38.4

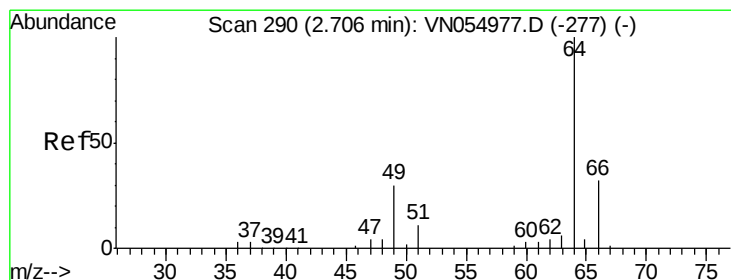
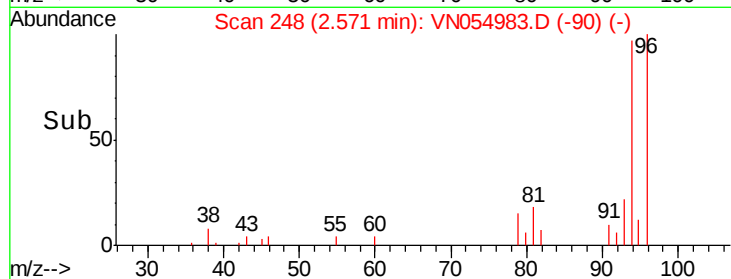
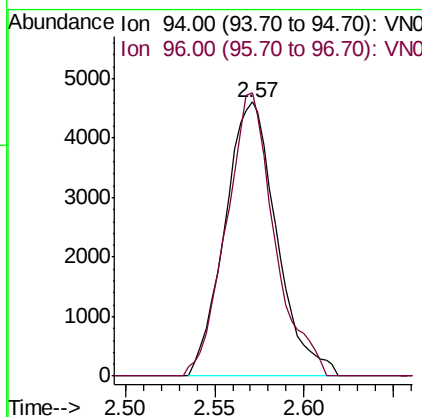
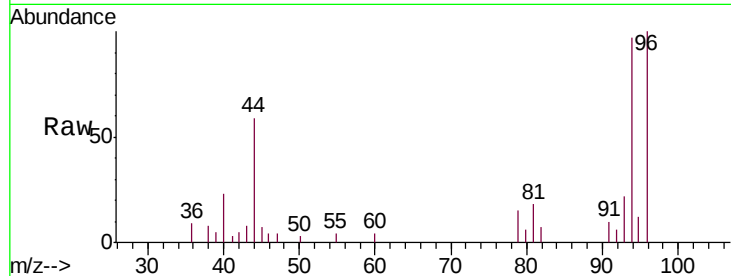




#5
Bromomethane
Concen: 3.127 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

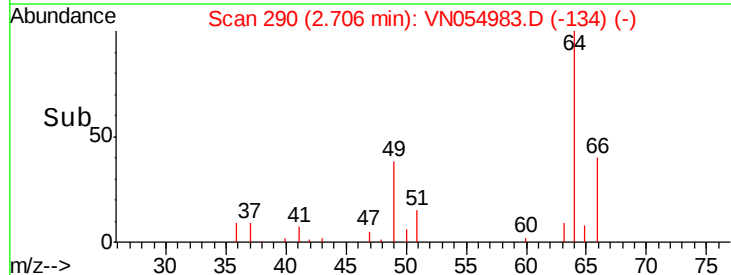
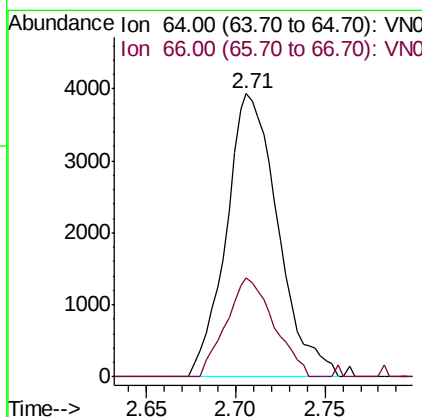
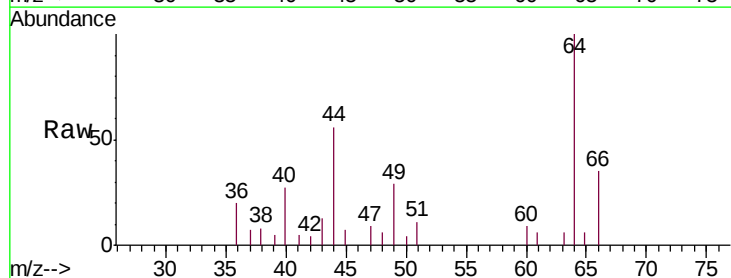
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ClientSampleId :
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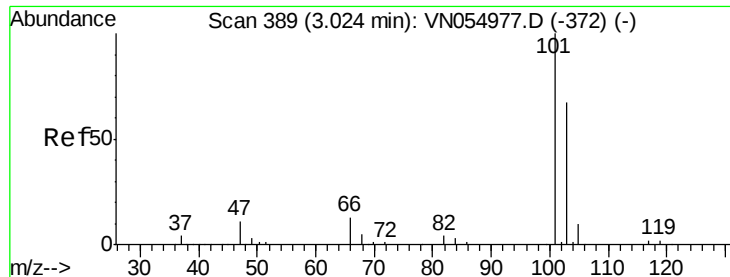
Tgt Ion: 94 Resp: 9332
Ion Ratio Lower Upper
94 100
96 103.4 79.1 118.7



#6
Chloroethane
Concen: 2.749 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 64 Resp: 7942
Ion Ratio Lower Upper
64 100
66 34.9 25.7 38.5



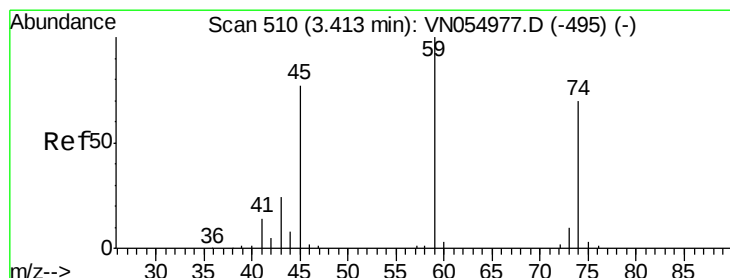
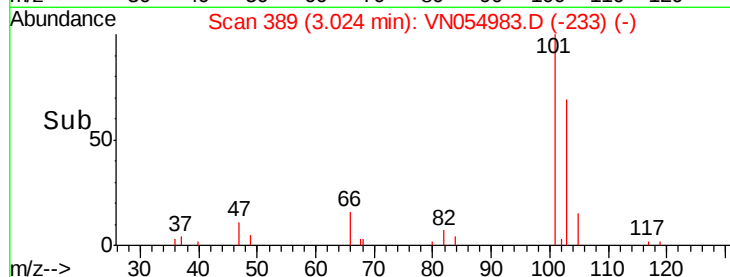
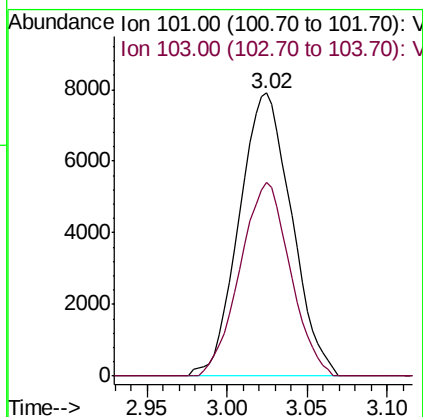
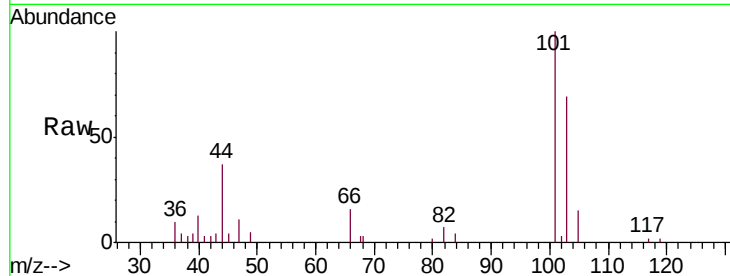


#7

Trichlorofluoromethane
 Concen: 2.695 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

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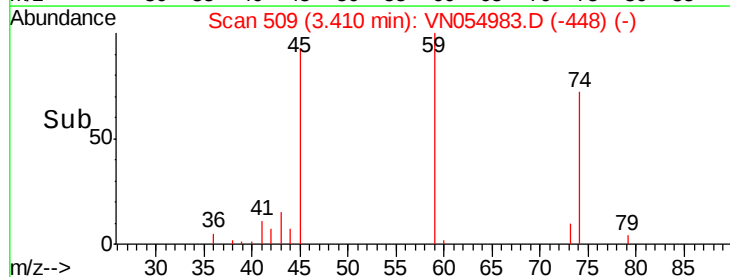
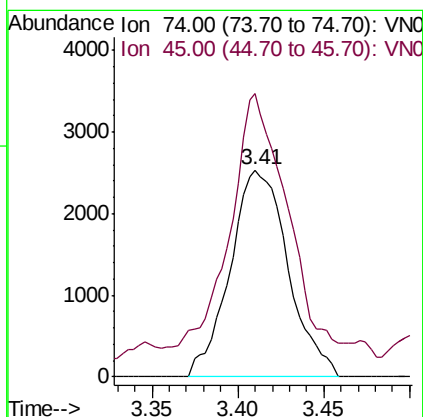
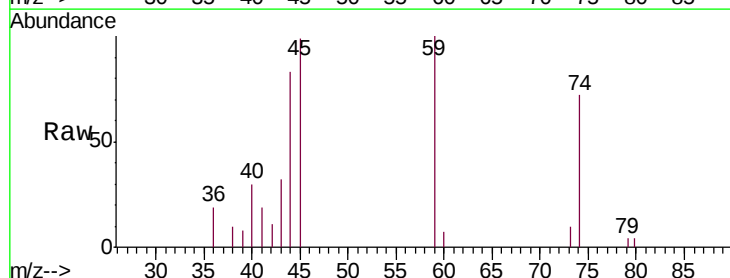
Tgt Ion:101 Resp: 17769
 Ion Ratio Lower Upper
 101 100
 103 68.5 53.4 80.0

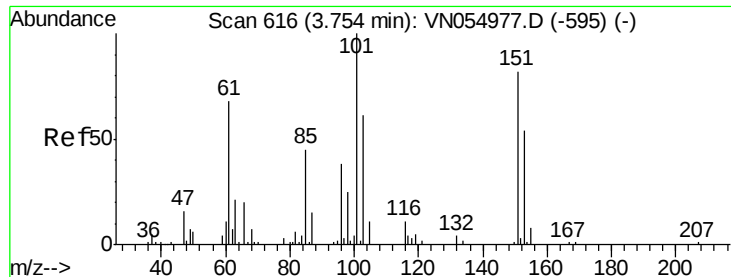


#8

Diethyl Ether
 Concen: 2.805 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 74 Resp: 5937
 Ion Ratio Lower Upper
 74 100
 45 112.7 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.840 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

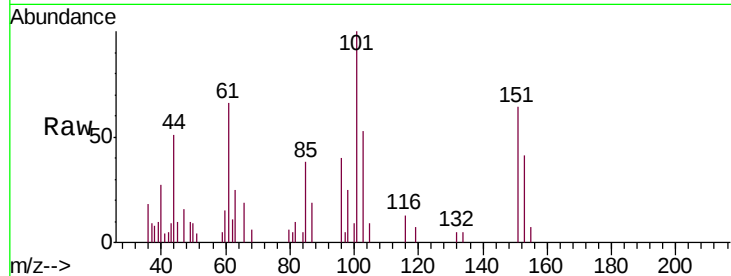
Tgt Ion:101 Resp: 10236

Ion Ratio Lower Upper

101 100

85 28.9 0.0 91.4

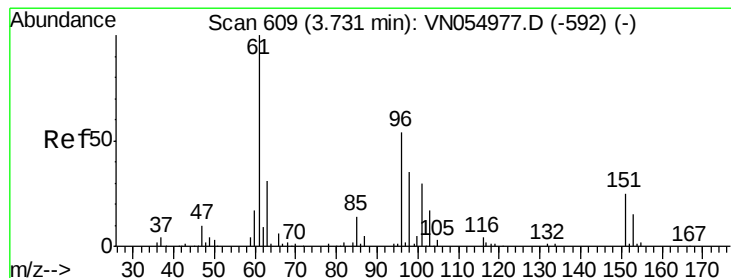
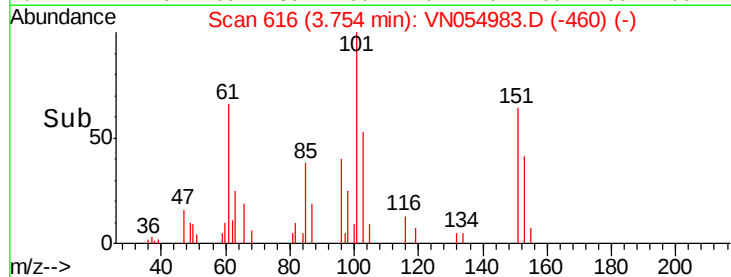
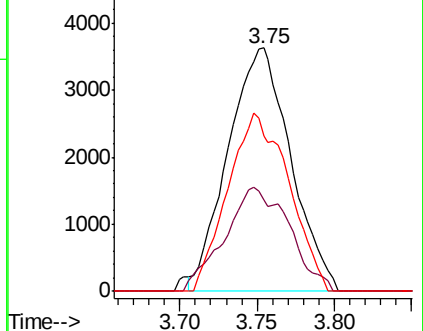
151 46.0 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.672 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

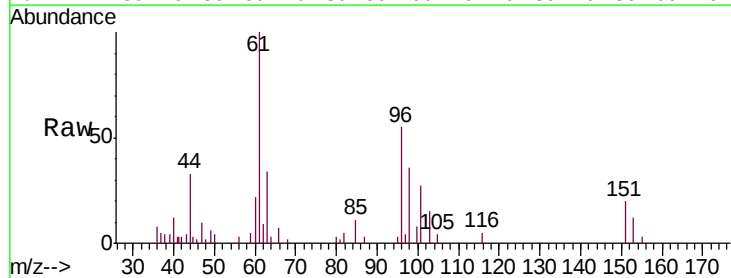
Tgt Ion: 96 Resp: 8903

Ion Ratio Lower Upper

96 100

61 175.4 148.4 222.6

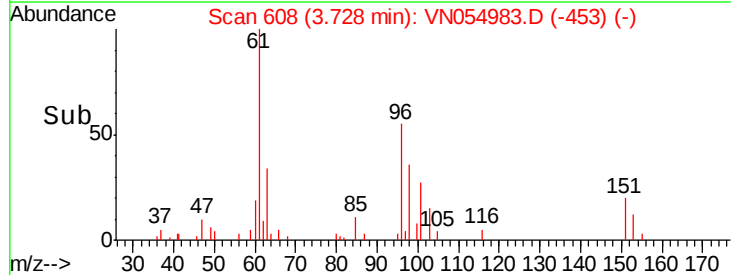
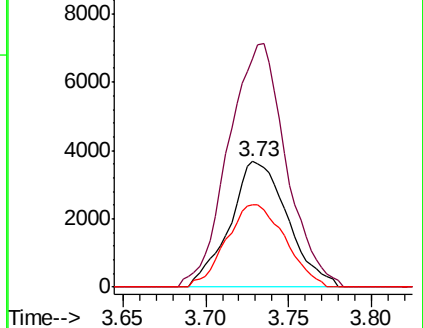
98 65.5 52.2 78.2

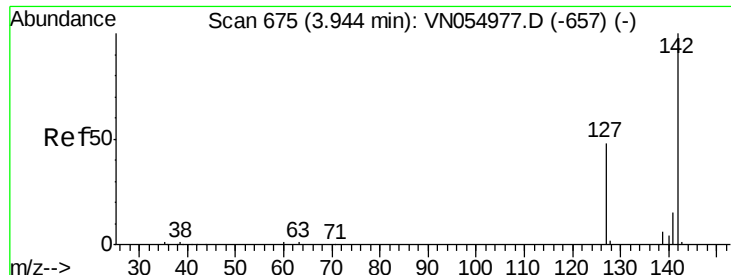


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

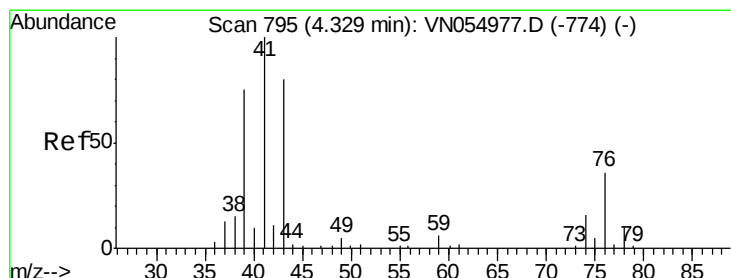
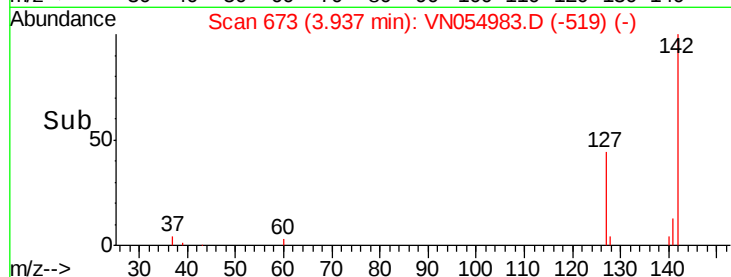
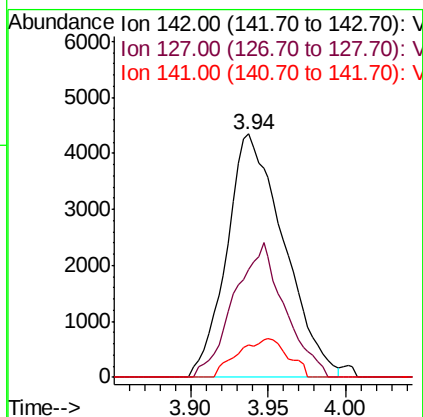
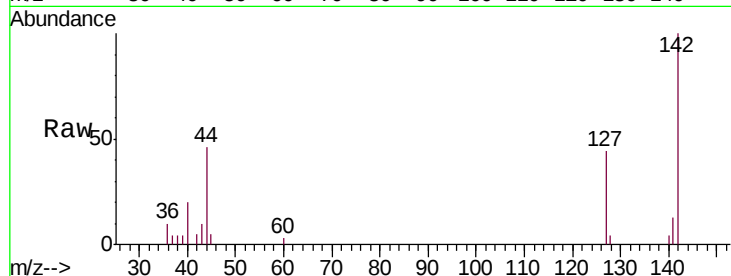




#11
Methyl Iodide
Concen: 2.212 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

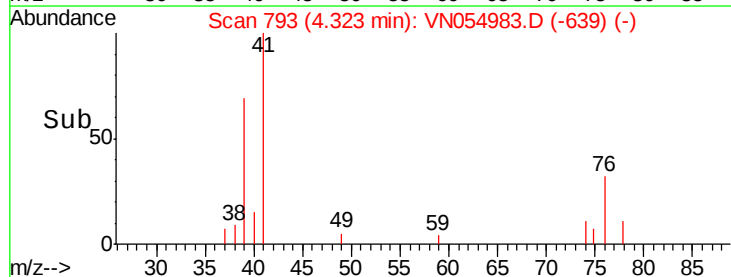
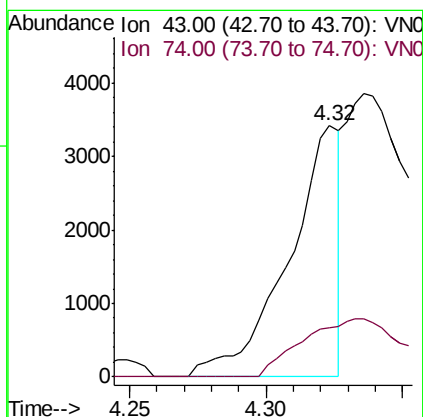
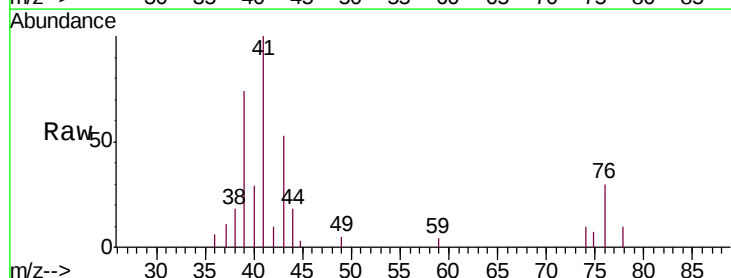
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

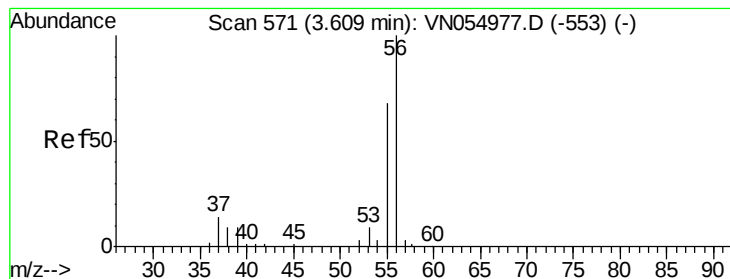
Tgt Ion:142 Resp: 11151
Ion Ratio Lower Upper
142 100
127 45.1 23.8 71.5
141 13.5 7.3 22.0



#12
Methyl Acetate
Concen: 1.087 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 4453
Ion Ratio Lower Upper
43 100
74 19.0 16.2 24.4





#13

Acrolein

Concen: 15.954 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

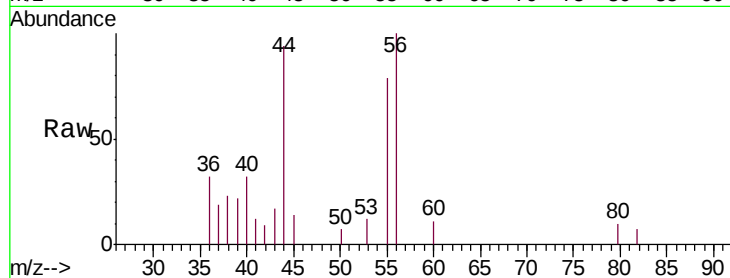
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 56 Resp: 5730

Ion Ratio Lower Upper

56 100

55 75.7 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN054977.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN054977.D (-553) (-)

3.61

2500

2000

1500

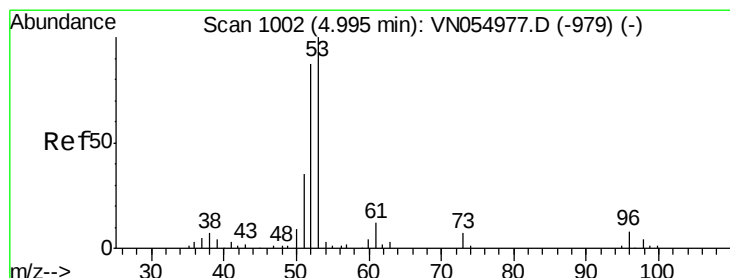
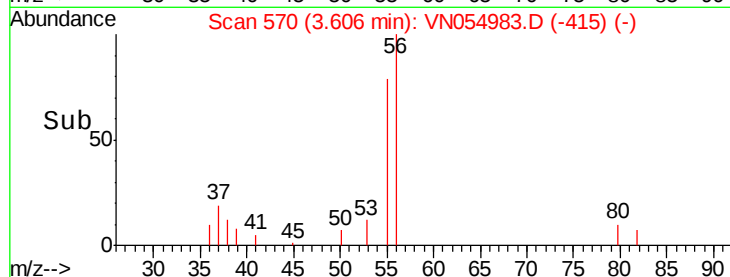
1000

500

0

3.55 3.60 3.65

Time-->



#14

Acrylonitrile

Concen: 12.435 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

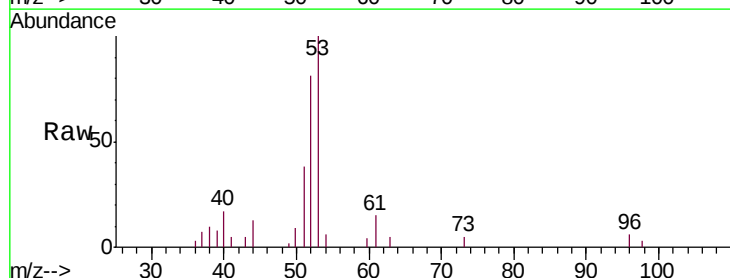
Tgt Ion: 53 Resp: 20878

Ion Ratio Lower Upper

53 100

52 88.1 42.3 126.8

51 37.9 18.6 56.0



Abundance Ion 53.00 (52.70 to 53.70): VN054977.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN054977.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN054977.D (-979) (-)

8000

6000

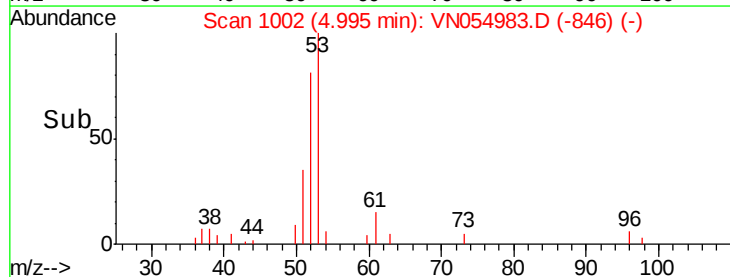
4000

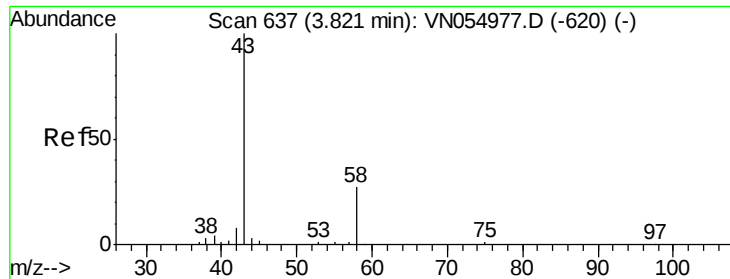
2000

0

4.90 4.95 5.00 5.05 5.10

Time-->





#15

Acetone

Concen: 10.903 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

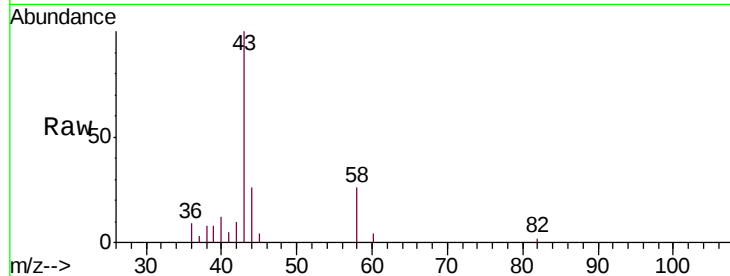
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 58 Resp: 4530

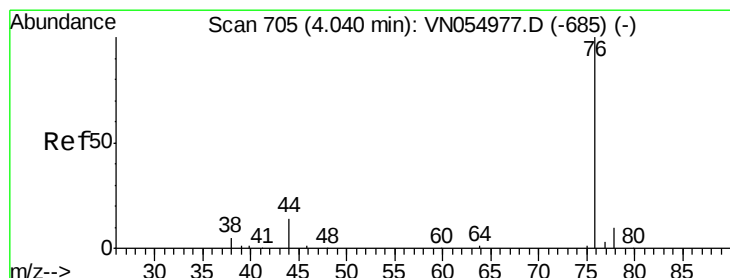
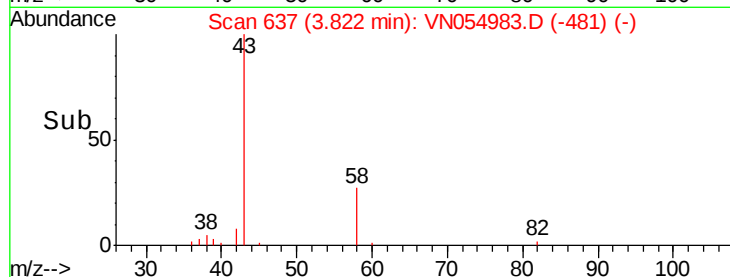
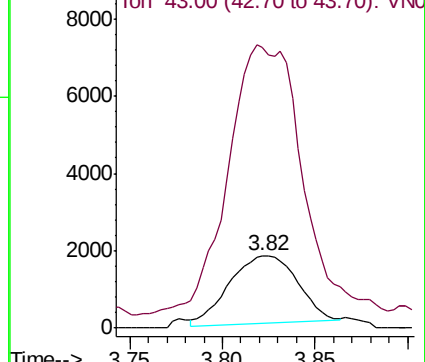
Ion Ratio Lower Upper

58 100

43 393.1 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 2.588 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054983.D

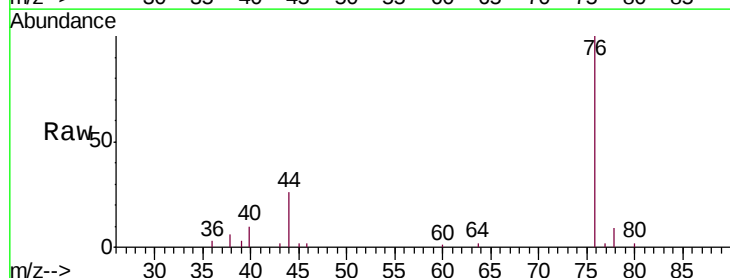
Acq: 11 Apr 2019 18:04

Tgt Ion: 76 Resp: 28928

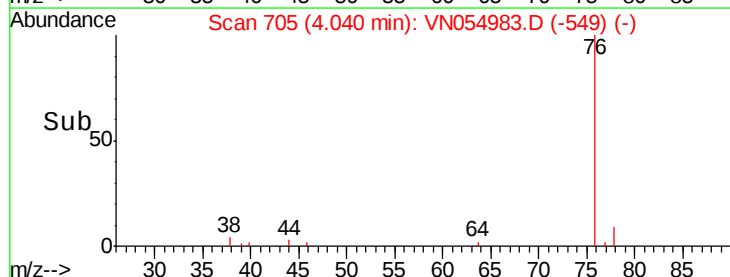
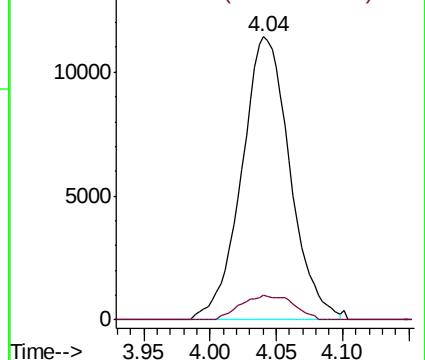
Ion Ratio Lower Upper

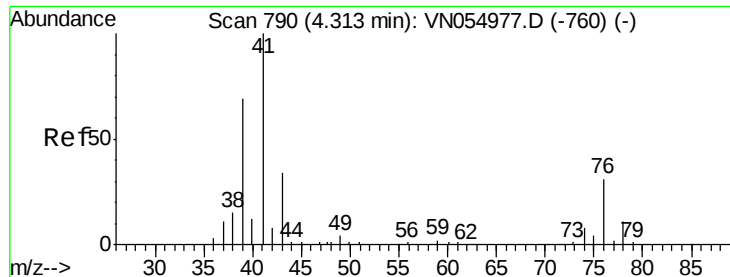
76 100

78 8.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)





#17

Allyl chloride

Concen: 2.341 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

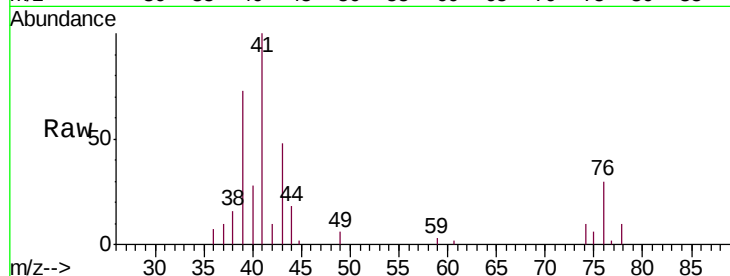
Tgt Ion: 41 Resp: 19204

Ion Ratio Lower Upper

41 100

39 71.7 34.3 102.9

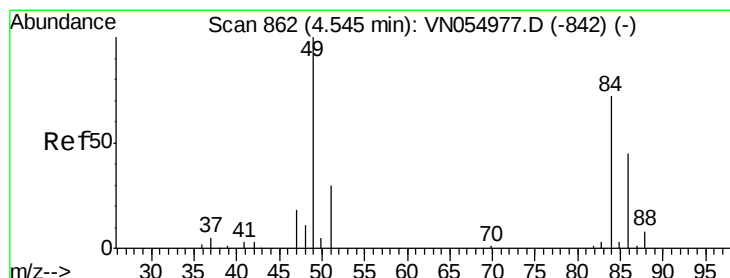
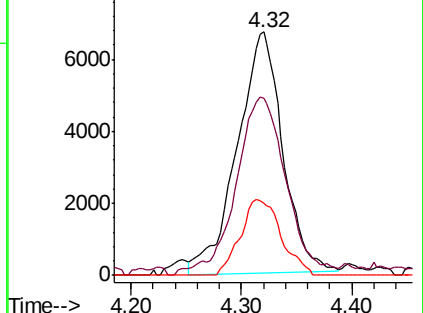
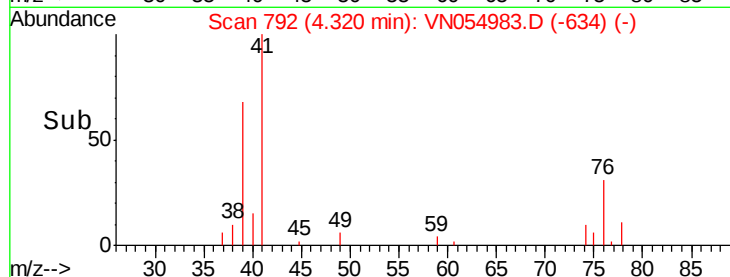
76 30.4 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 2.925 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Tgt Ion: 84 Resp: 14404

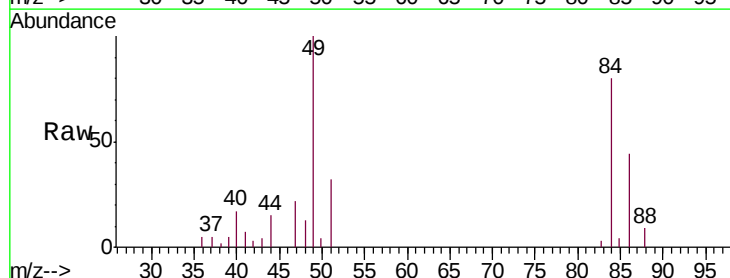
Ion Ratio Lower Upper

84 100

49 119.4 111.0 166.4

51 39.9 33.4 50.2

86 55.2 49.5 74.3

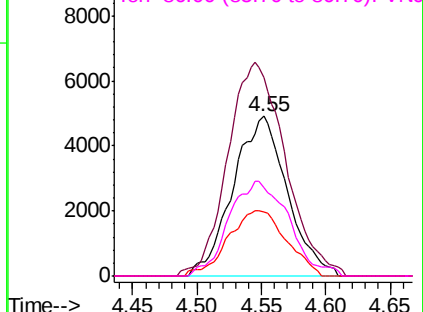
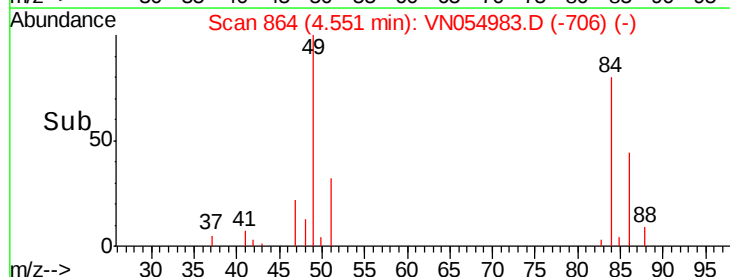


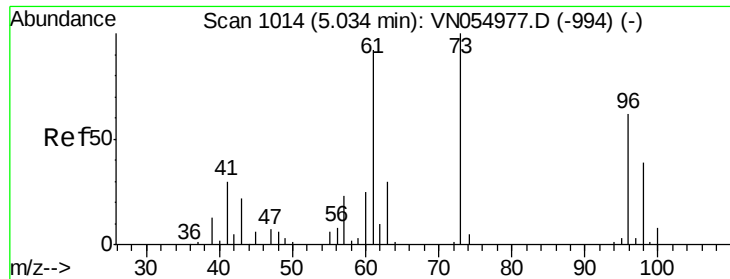
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

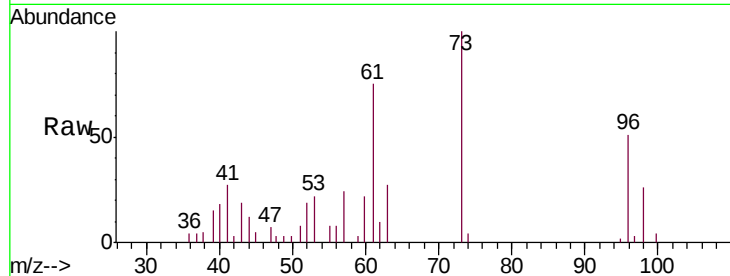




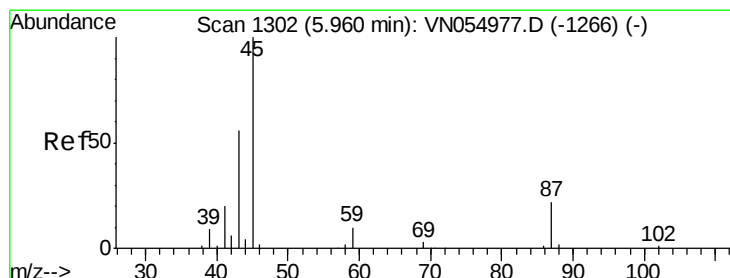
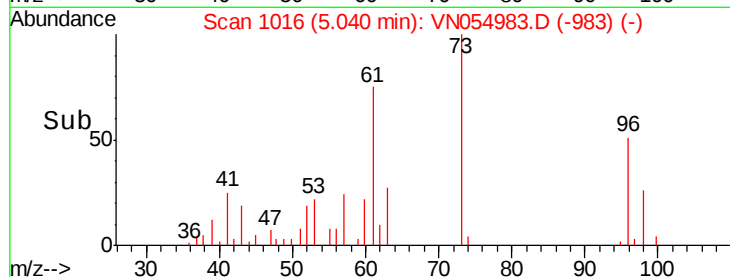
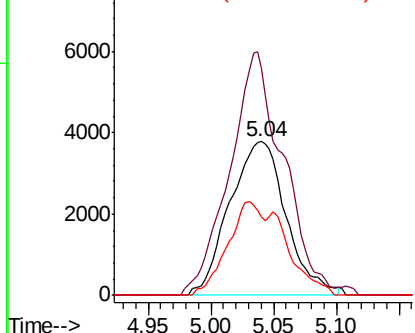
#19
trans-1,2-Dichloroethene
Concen: 2.731 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

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

Tgt Ion: 96 Resp: 11843
Ion Ratio Lower Upper
96 100
61 142.6 117.2 175.8
98 51.1 49.4 74.2

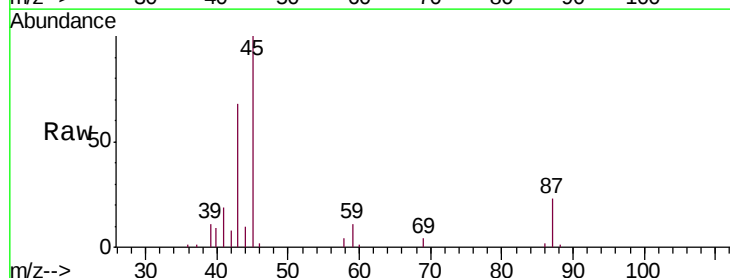


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

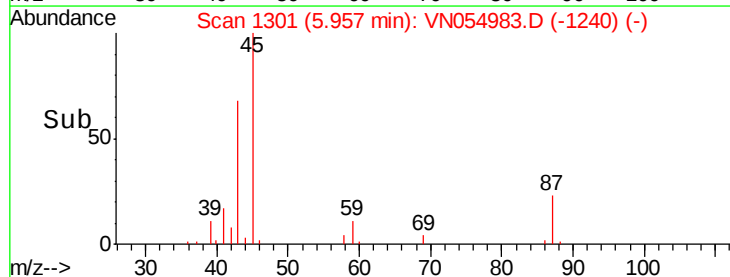
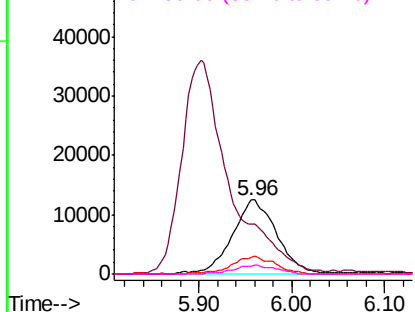


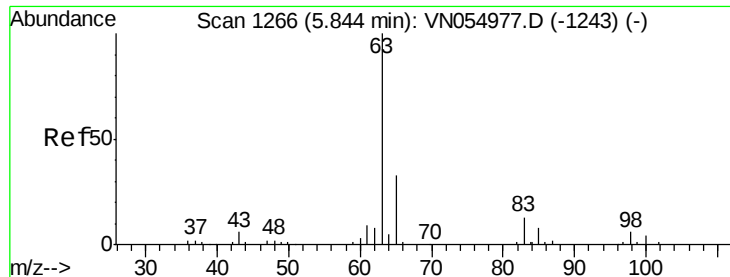
#20
Diisopropyl ether
Concen: 2.455 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 45 Resp: 40806
Ion Ratio Lower Upper
45 100
43 64.9 45.8 68.8
87 22.9 18.2 27.4
59 11.3 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

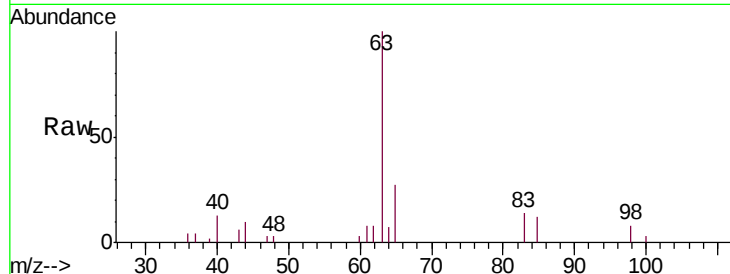




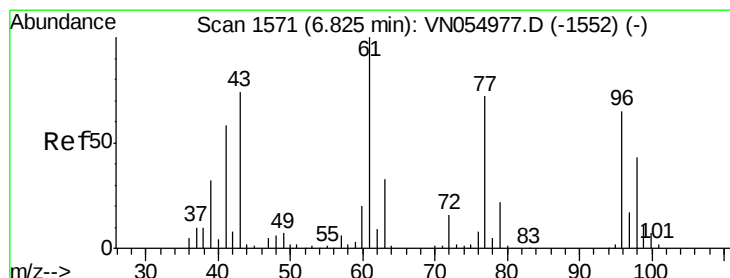
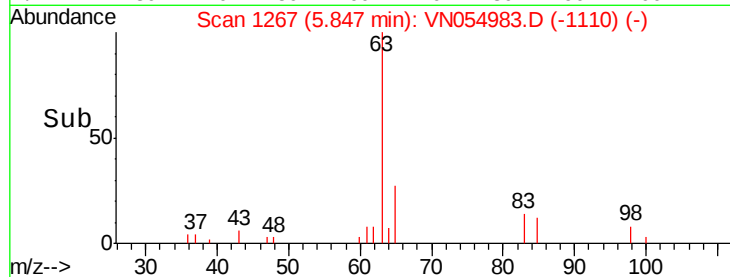
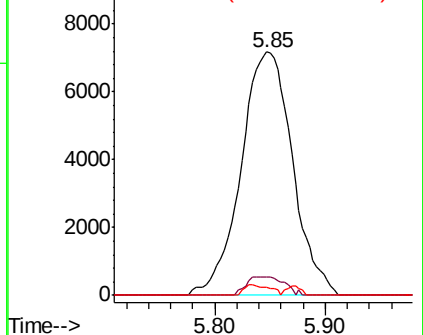
#21
 1,1-Dichloroethane
 Concen: 2.615 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

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

Tgt Ion:	63	Resp:	23215
Ion	Ratio	Lower	Upper
63	100		
98	7.8	2.9	8.7
100	3.3	2.0	5.8

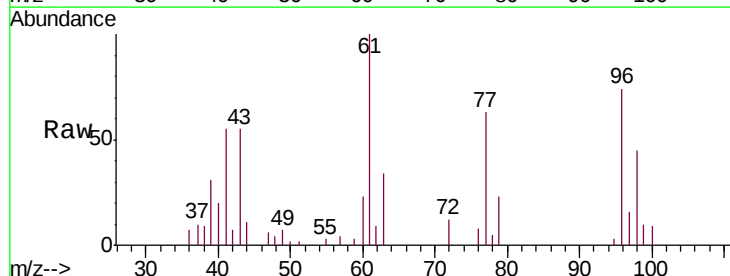


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

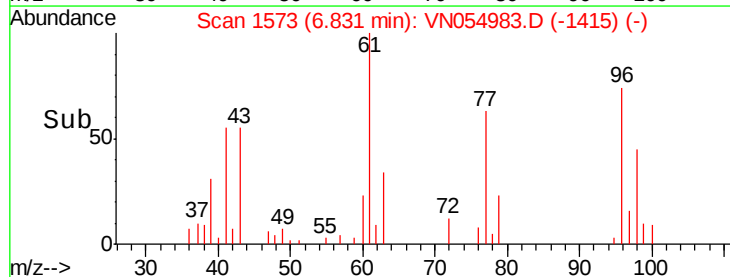
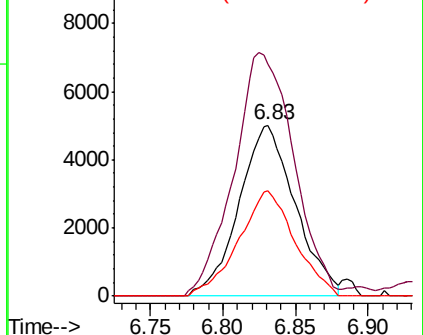


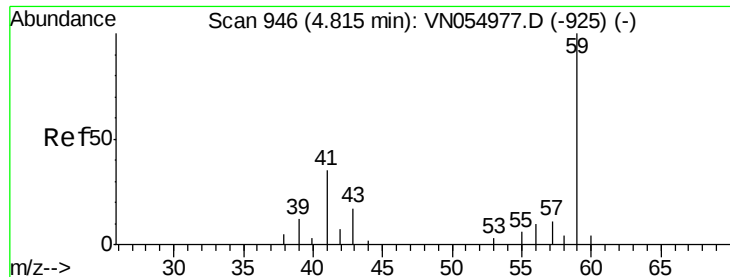
#22
 cis-1,2-Dichloroethene
 Concen: 2.683 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion:	96	Resp:	13525
Ion	Ratio	Lower	Upper
96	100		
61	151.3	125.0	187.6
98	61.4	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



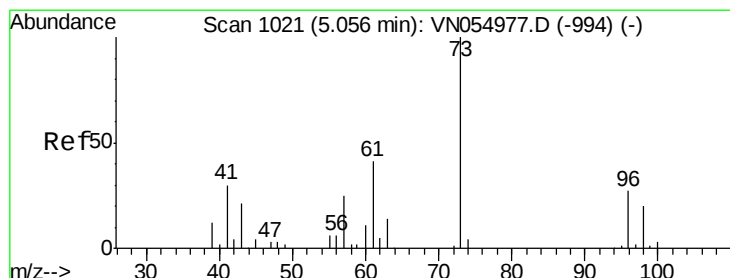
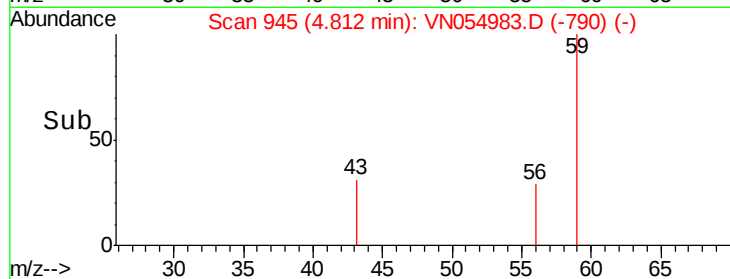
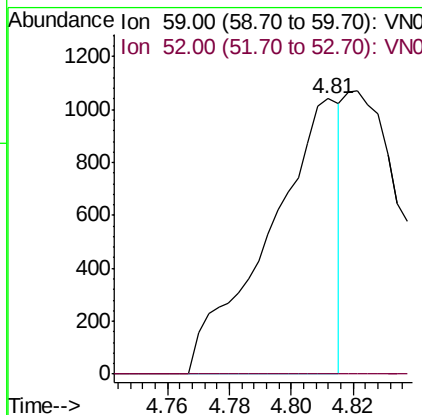
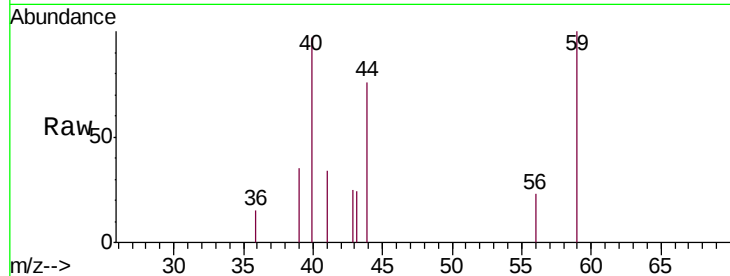


#23

tert-Butyl Alcohol
 Concen: 6.152 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

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

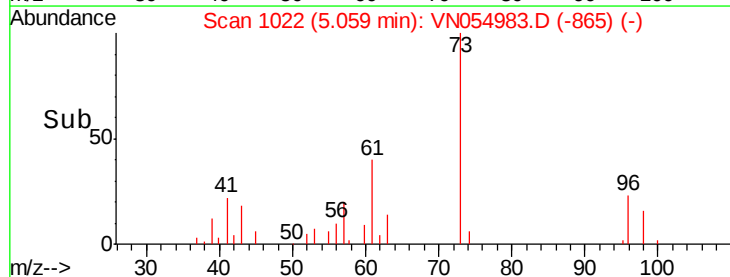
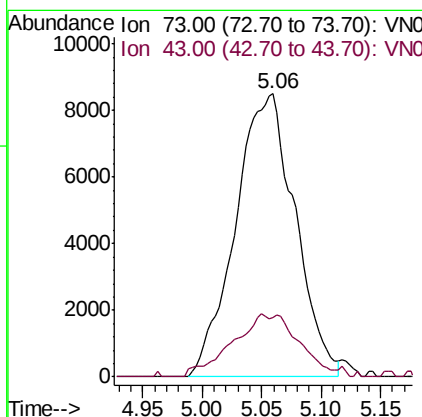
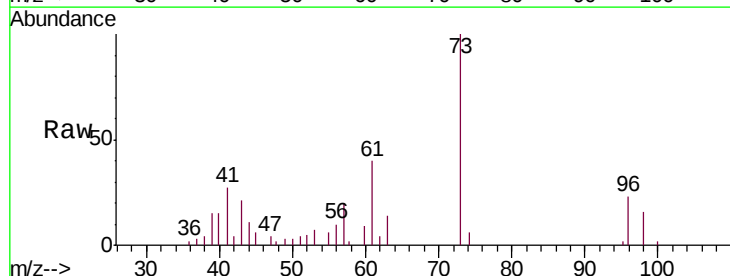
Tgt Ion: 59 Resp: 1647
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

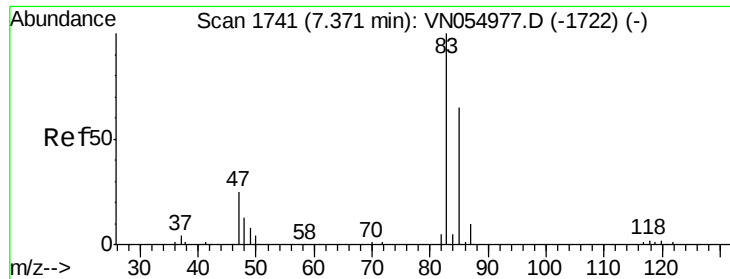


#24

Methyl tert-Butyl Ether
 Concen: 2.643 ug/l
 RT: 5.06 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 73 Resp: 29574
 Ion Ratio Lower Upper
 73 100
 43 13.9 8.0 12.0#

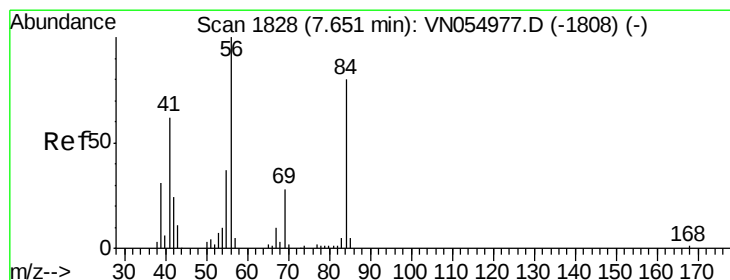
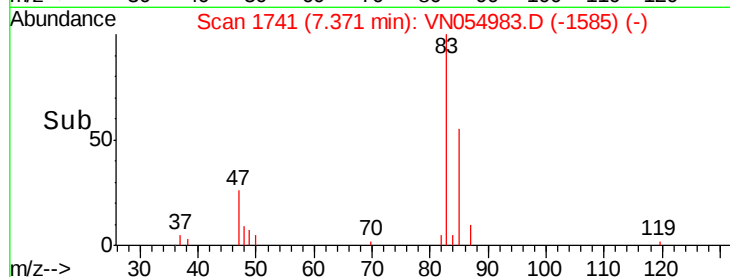
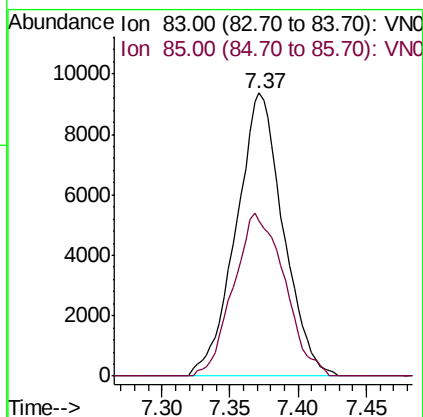
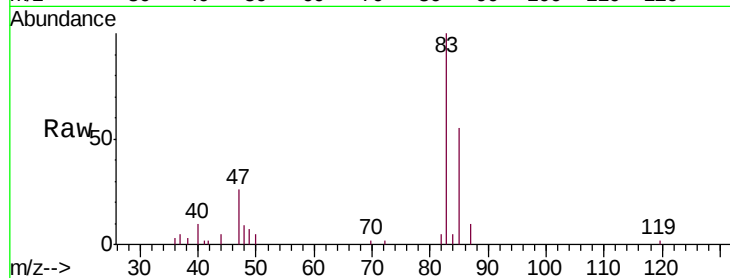




#25
Chloroform
Concen: 2.638 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

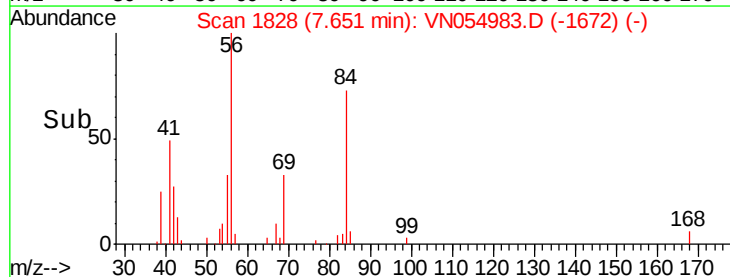
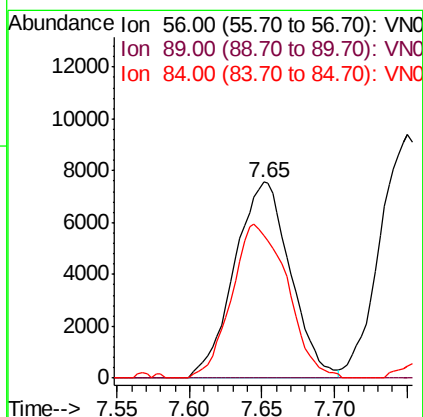
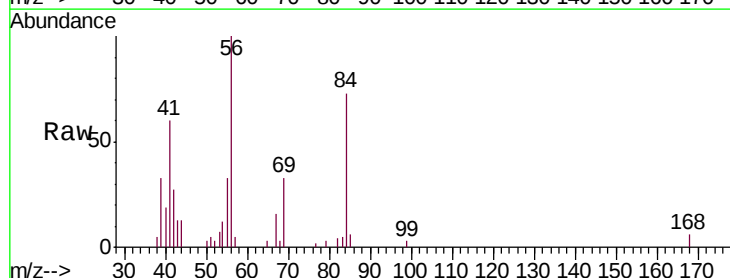
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

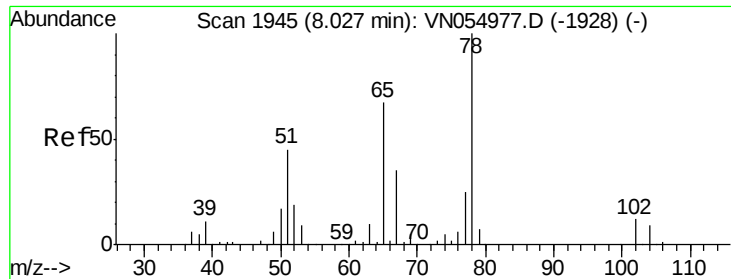
Tgt Ion: 83 Resp: 22438
Ion Ratio Lower Upper
83 100
85 55.0 51.8 77.8



#26
Cyclohexane
Concen: 2.470 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 56 Resp: 20347
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.6 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 2.470 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

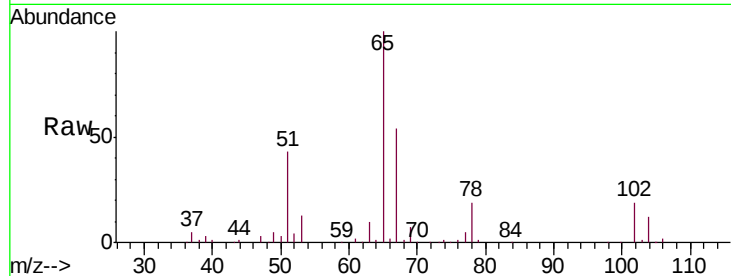
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 65 Resp: 172525

Ion Ratio Lower Upper

65 100

67 53.8 41.8 62.8

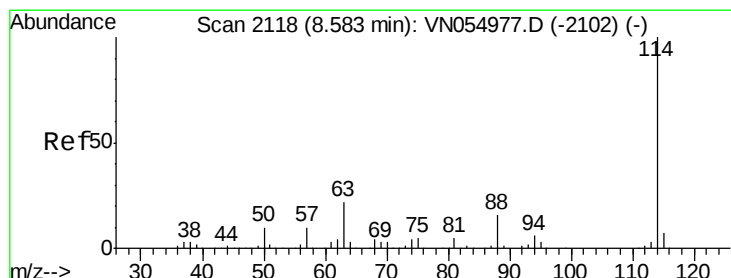
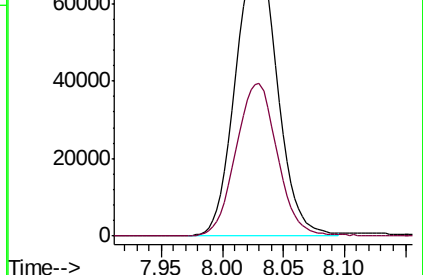
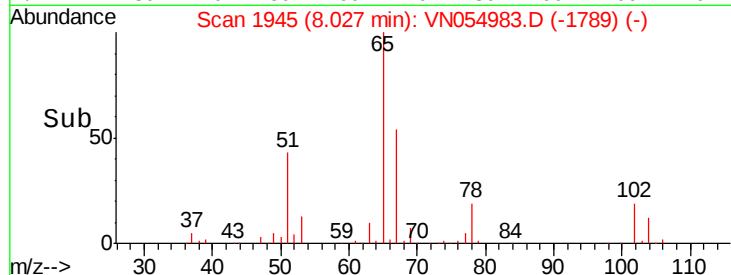


Abundance Ion 65.00 (64.70 to 65.70): VN054977.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN054977.D (-1928) (-)

8.03

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

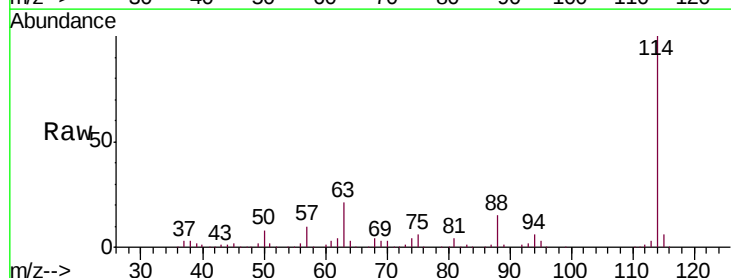
Tgt Ion: 114 Resp: 400788

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

88 15.2 12.3 18.5



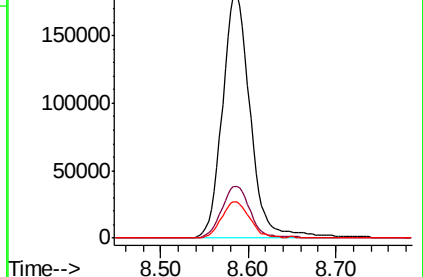
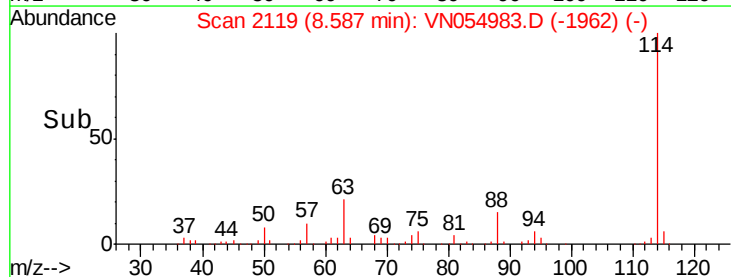
Abundance Ion 114.00 (113.70 to 114.70): VN054977.D (-2102) (-)

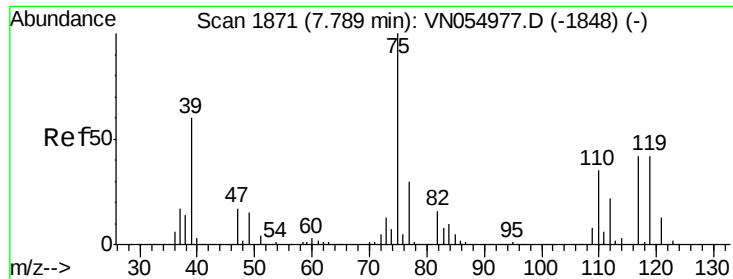
Ion 63.00 (62.70 to 63.70): VN054977.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN054977.D (-2102) (-)

8.59

Time-->

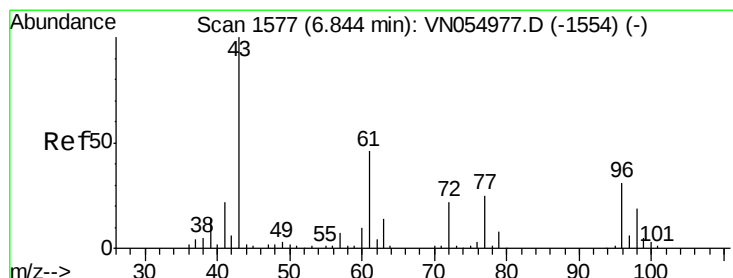
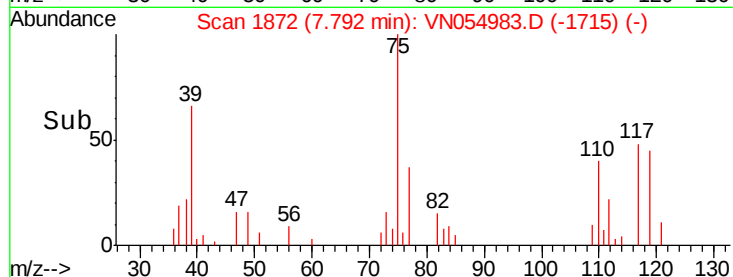
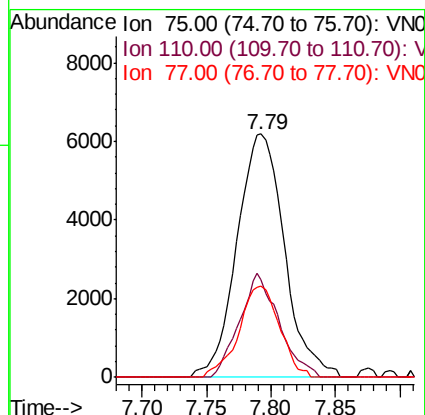
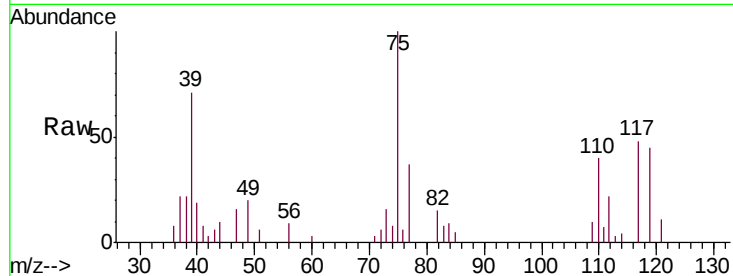




#29
 1,1-Dichloropropene
 Concen: 2.546 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

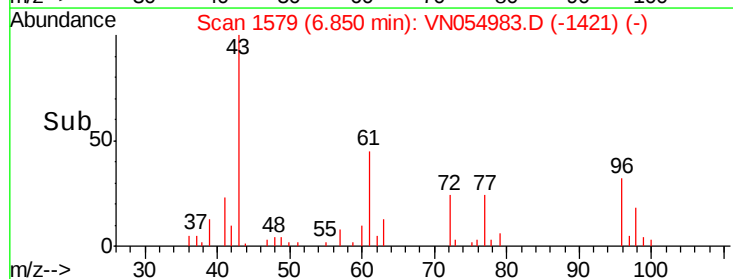
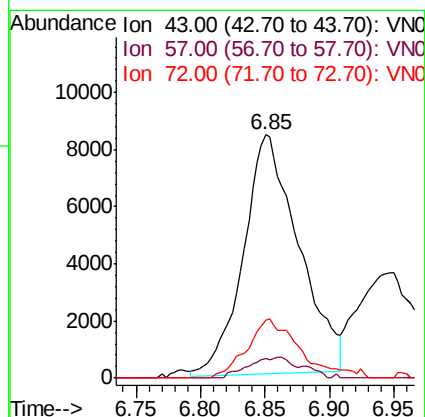
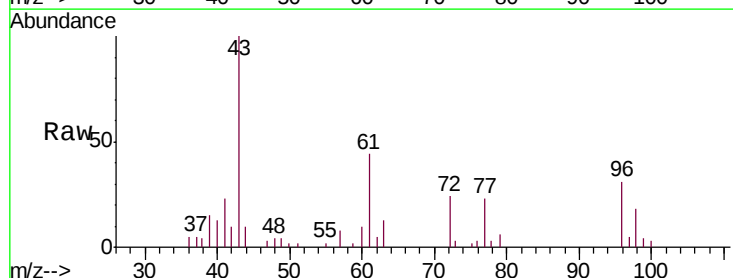
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

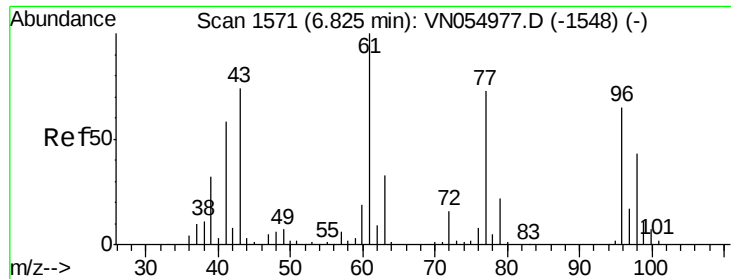
Tgt Ion: 75 Resp: 15891
 Ion Ratio Lower Upper
 75 100
 110 35.4 0.0 68.4
 77 31.9 0.0 58.6



#30
 2-Butanone
 Concen: 12.158 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 25191
 Ion Ratio Lower Upper
 43 100
 57 3.6 6.0 9.0#
 72 13.4 18.6 27.8#





#31

2,2-Dichloropropane

Concen: 1.318 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

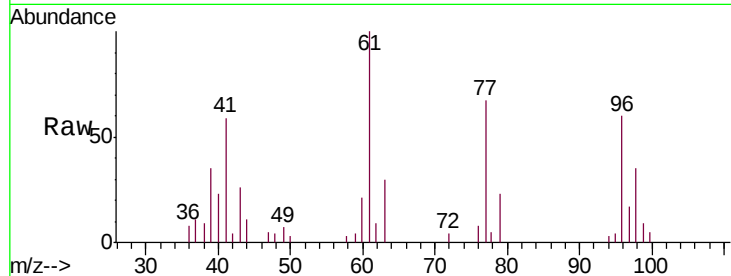
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 77 Resp: 7572

Ion Ratio Lower Upper

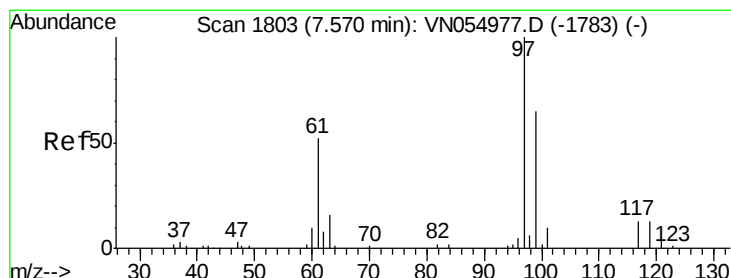
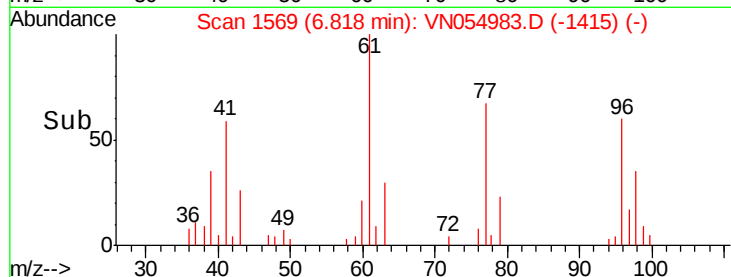
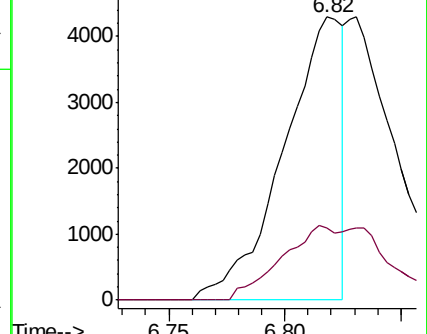
77 100

97 23.8 0.0 0.0#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.505 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

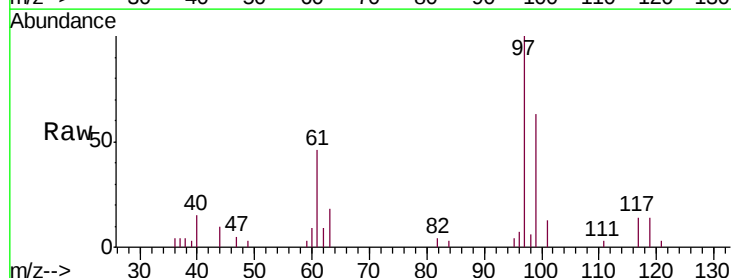
Tgt Ion: 97 Resp: 16525

Ion Ratio Lower Upper

97 100

99 70.4 51.2 76.8

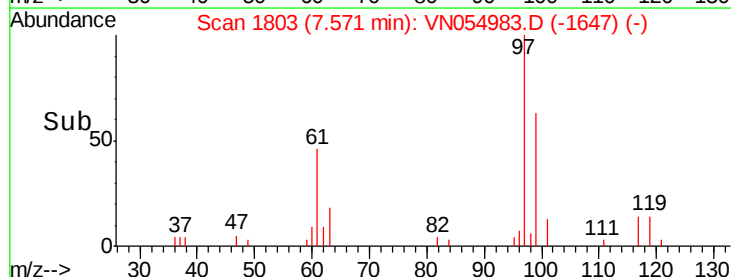
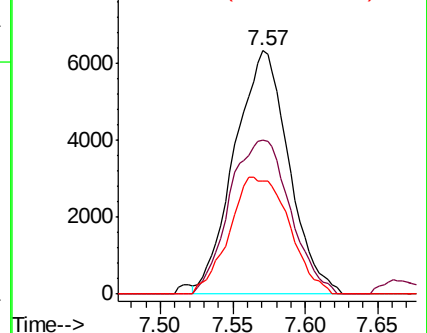
61 29.9 40.6 60.8#

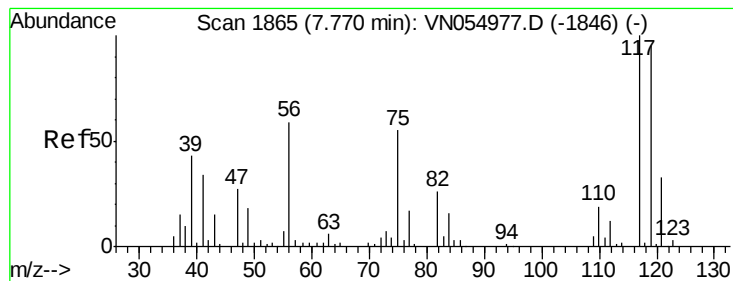


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 2.506 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

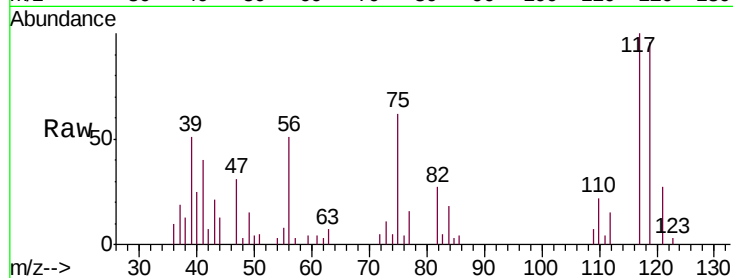
Tgt Ion:117 Resp: 14313

Ion Ratio Lower Upper

117 100

119 95.8 76.1 114.1

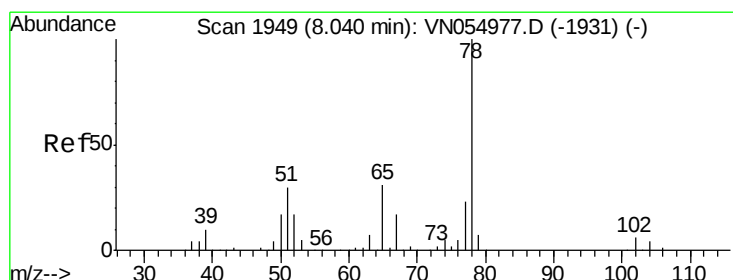
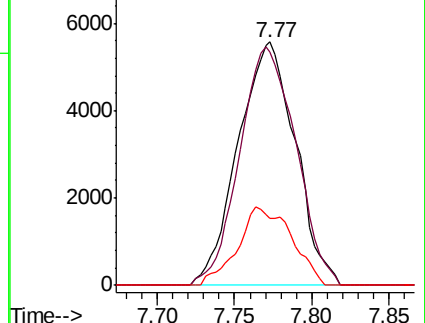
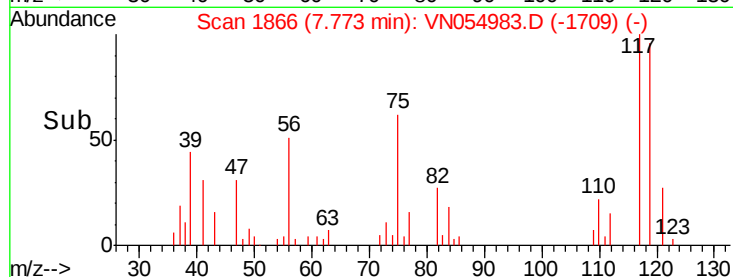
121 27.4 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 2.707 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

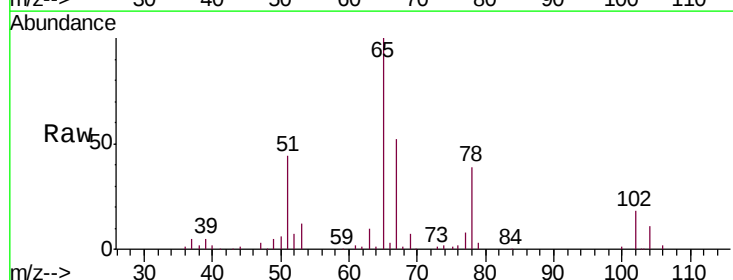
Tgt Ion: 78 Resp: 50070

Ion Ratio Lower Upper

78 100

77 20.0 18.2 27.4

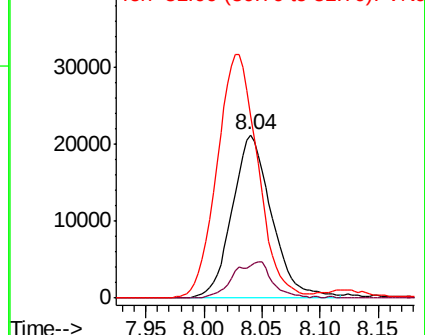
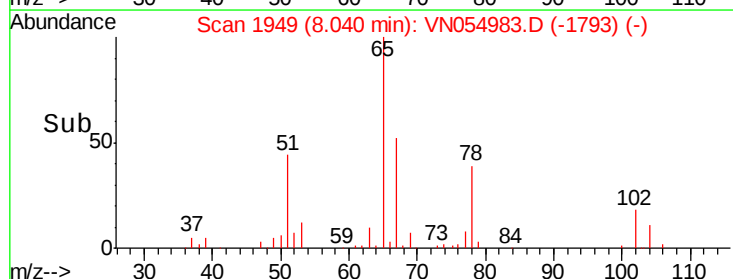
51 106.6 23.7 35.5#

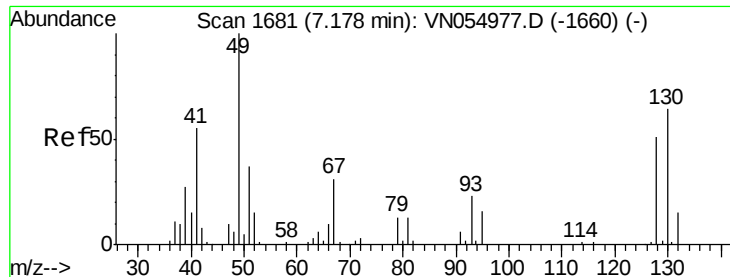


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

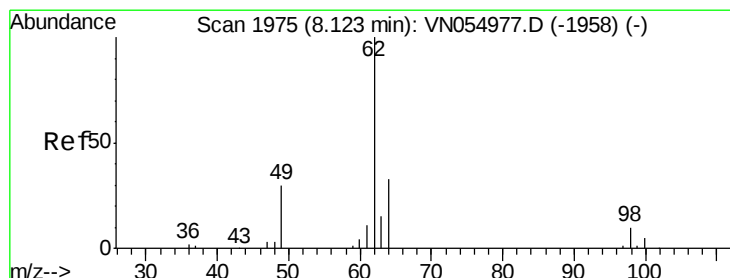
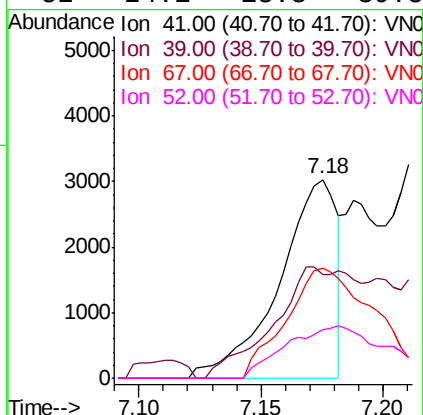
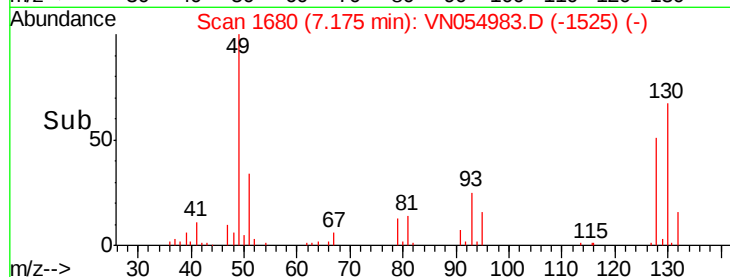
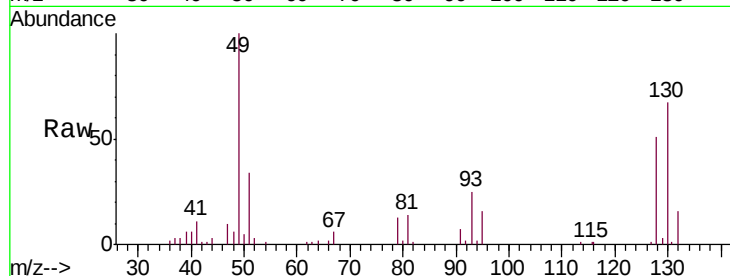




#35
Methacrylonitrile
Concen: 2.033 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

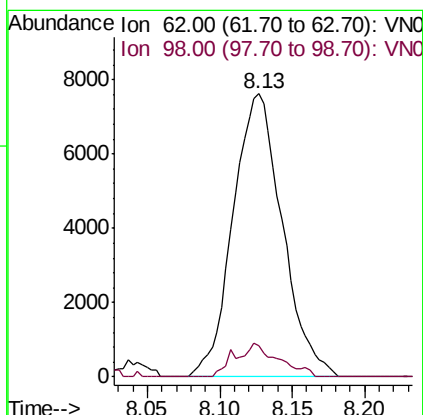
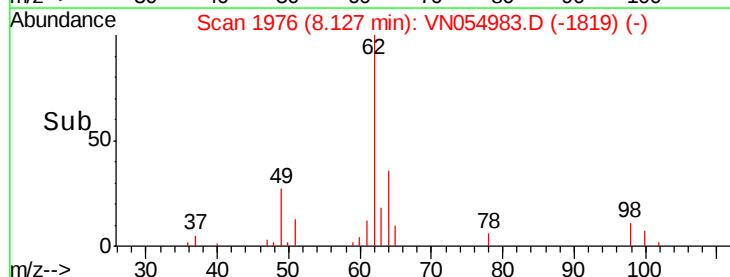
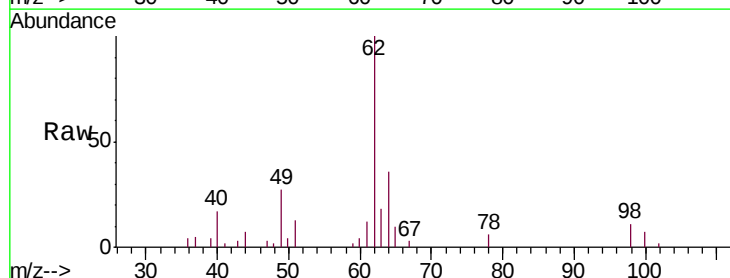
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

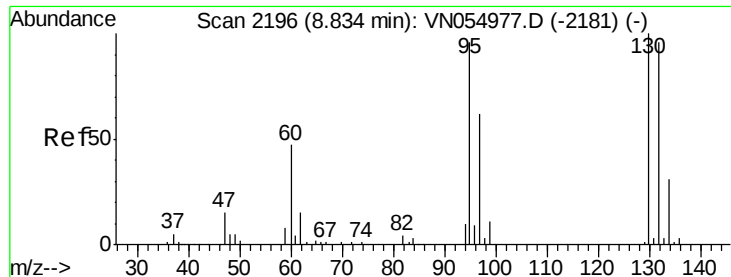
Tgt Ion:	41	Resp:	4965
Ion	Ratio	Lower	Upper
41	100		
39	46.1	24.2	72.6
67	55.5	28.1	84.2
52	24.1	13.3	39.8



#36
1,2-Dichloroethane
Concen: 2.850 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:	62	Resp:	18017
Ion	Ratio	Lower	Upper
62	100		
98	7.0	6.9	10.3

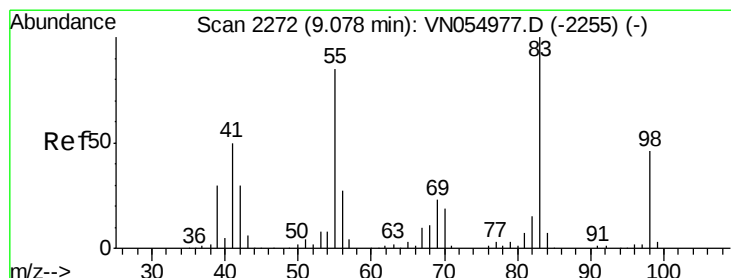
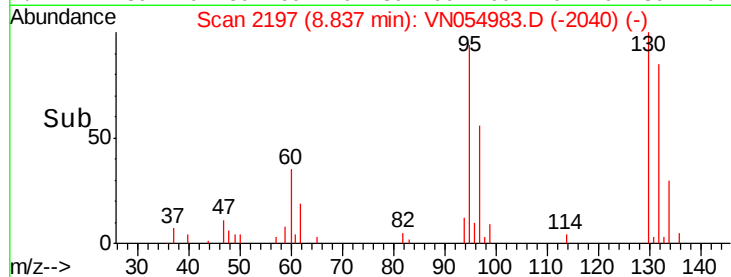
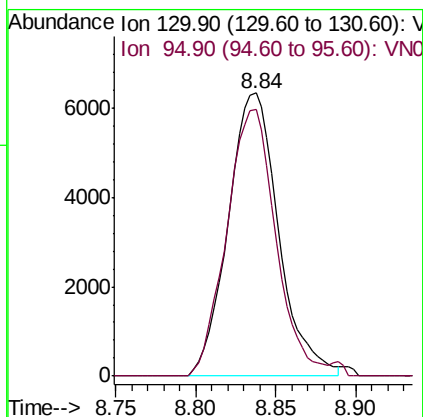
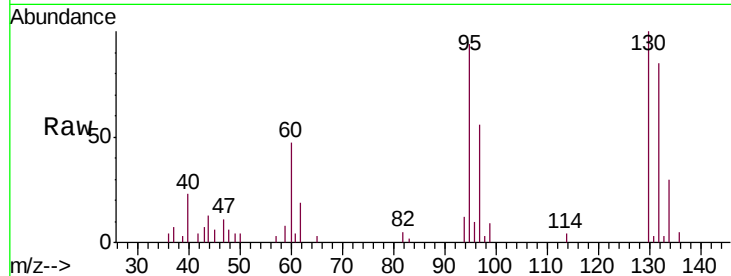




#37
 Trichloroethene
 Concen: 2.897 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

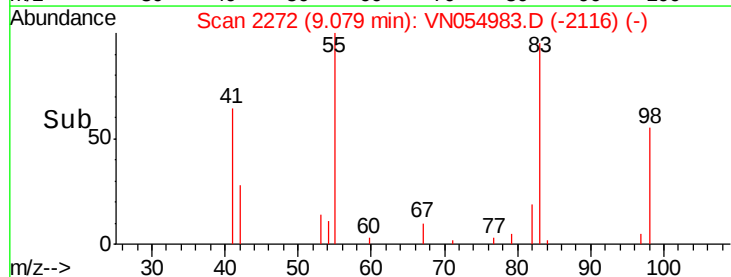
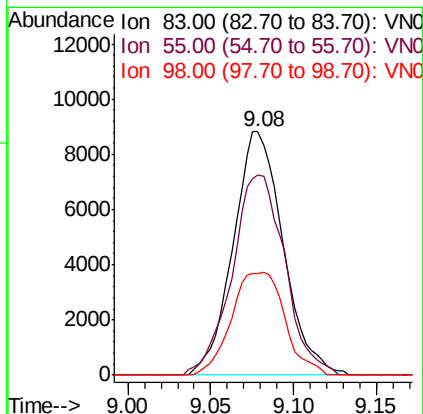
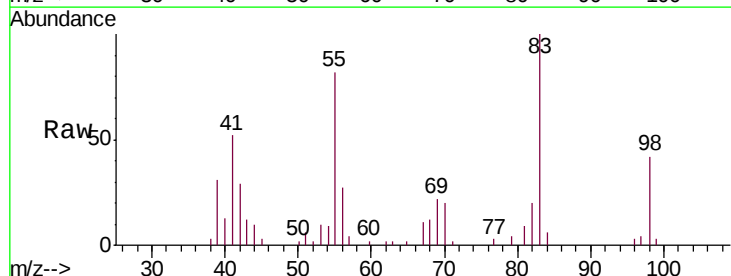
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

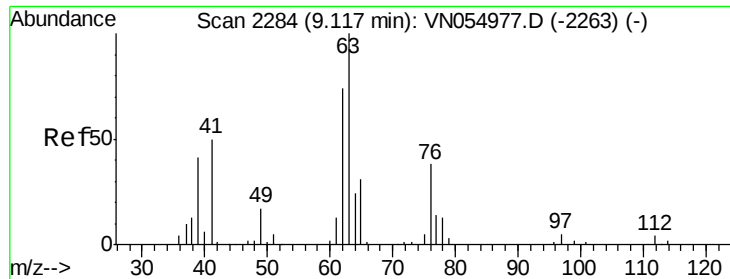
Tgt Ion: 130 Resp: 13663
 Ion Ratio Lower Upper
 130 100
 95 94.3 76.6 115.0



#38
 Methylcyclohexane
 Concen: 2.557 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 83 Resp: 18512
 Ion Ratio Lower Upper
 83 100
 55 86.8 41.9 125.6
 98 45.1 22.4 67.0

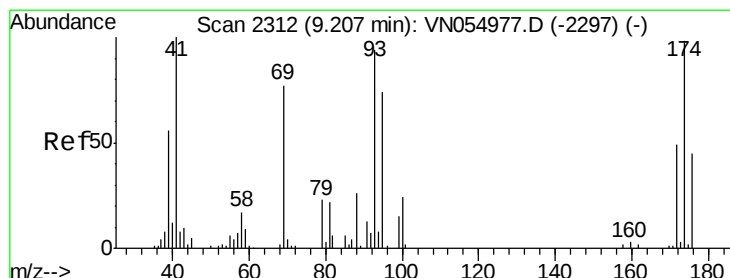
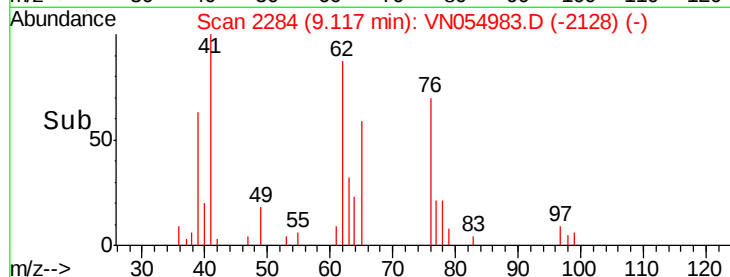
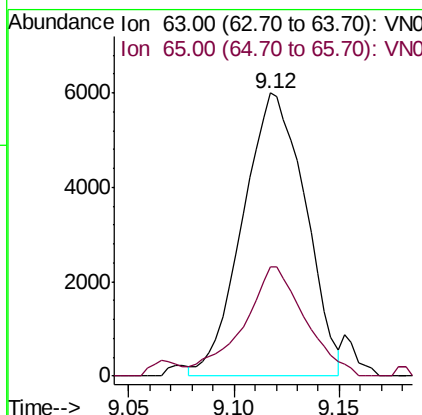
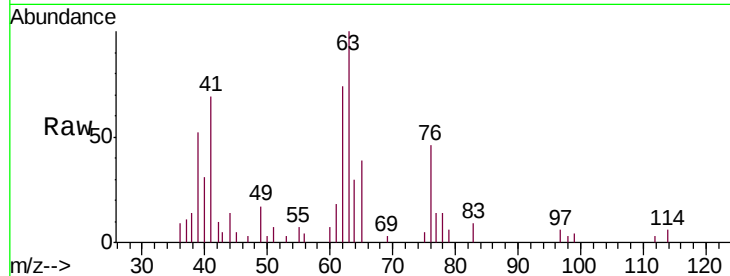




#39
 1,2-Dichloropropane
 Concen: 2.429 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

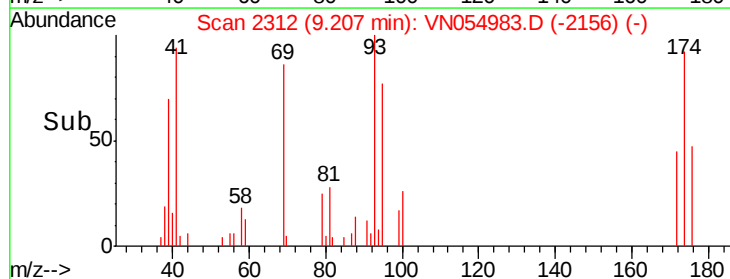
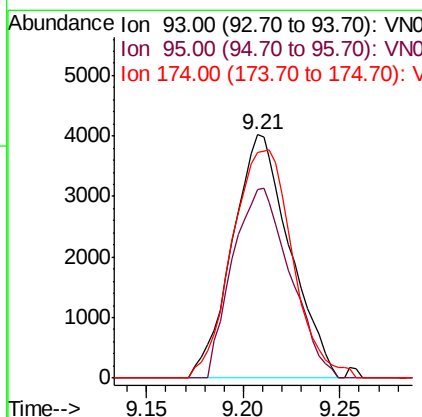
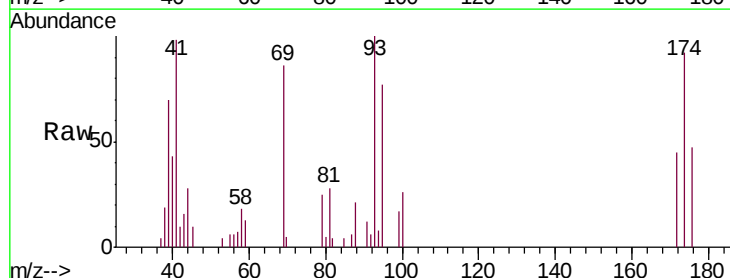
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

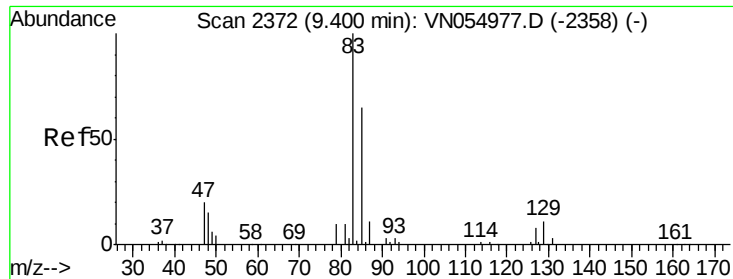
Tgt Ion: 63 Resp: 12406
 Ion Ratio Lower Upper
 63 100
 65 36.5 24.8 37.2



#40
 Dibromomethane
 Concen: 2.882 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 93 Resp: 8321
 Ion Ratio Lower Upper
 93 100
 95 78.0 0.0 160.8
 174 98.2 0.0 206.4





#41

Bromodichloromethane

Concen: 2.545 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

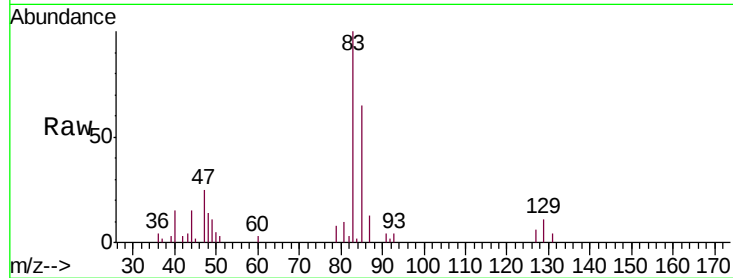
Tgt Ion: 83 Resp: 15162

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

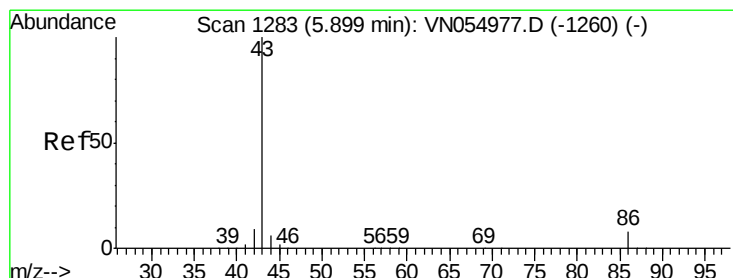
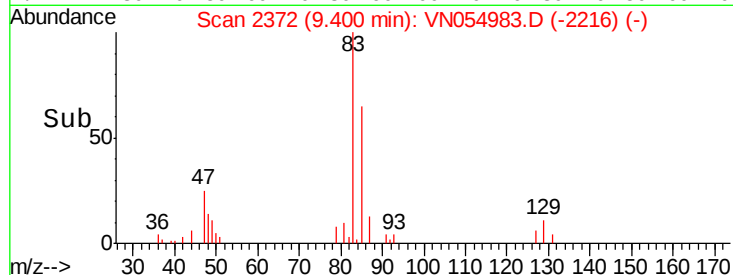
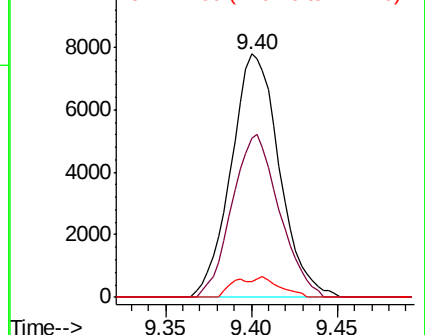
127 6.4 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 12.216 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054983.D

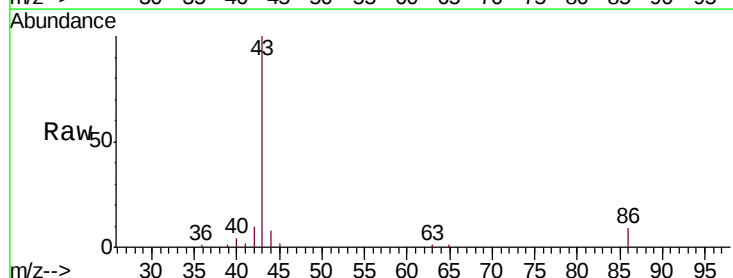
Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 127957

Ion Ratio Lower Upper

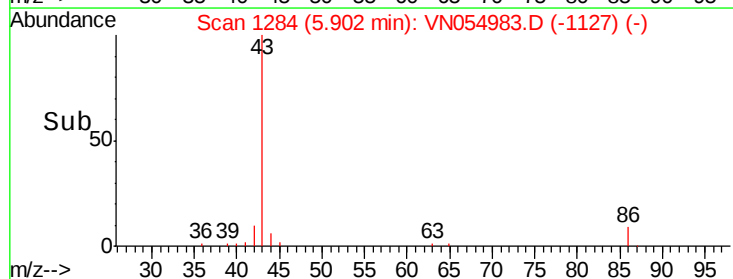
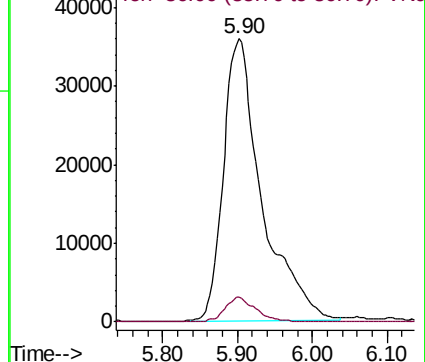
43 100

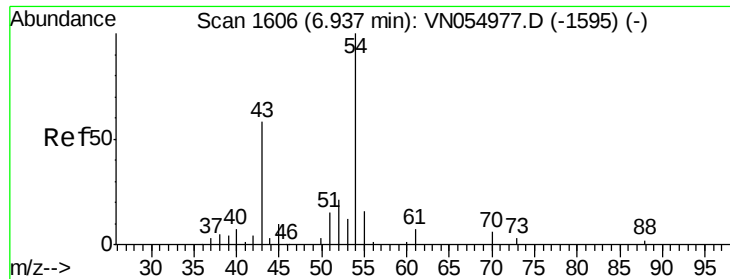
86 6.9 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

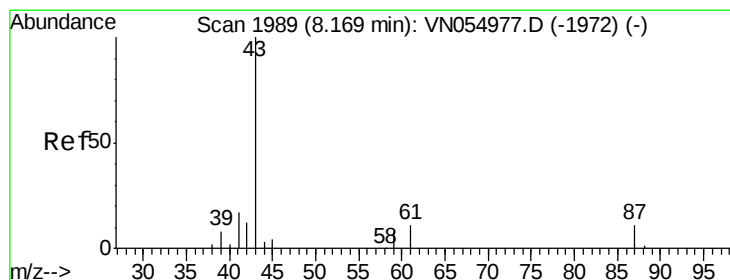
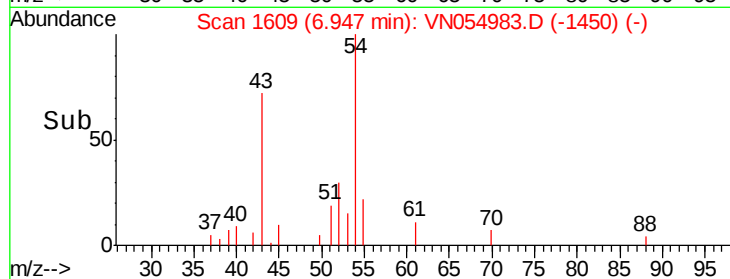
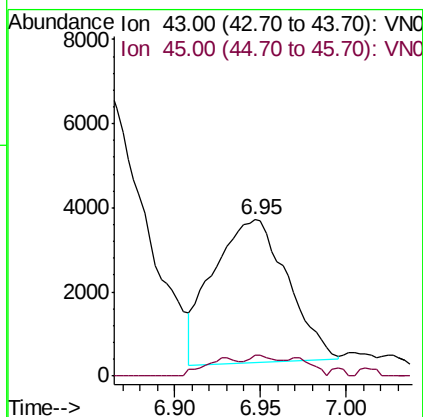
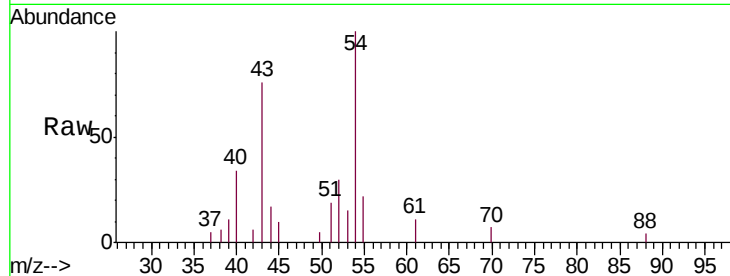




#43
Ethyl Acetate
Concen: 2.430 ug/l
RT: 6.95 min Scan# 1609
Delta R.T. 0.01 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

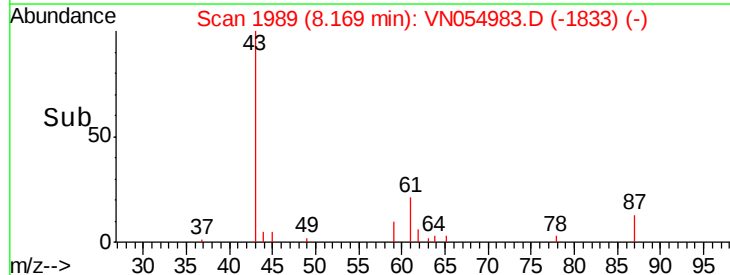
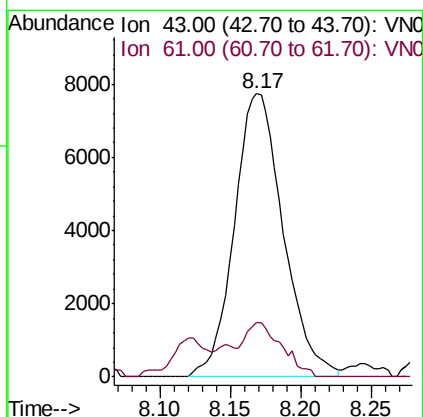
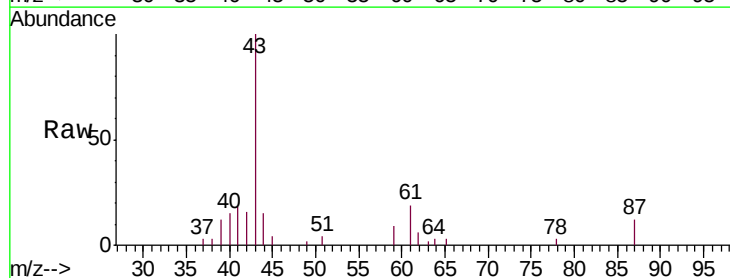
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

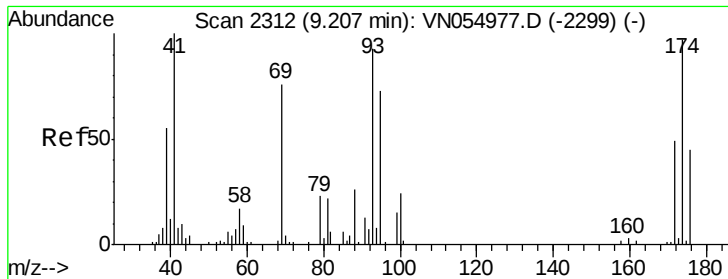
Tgt Ion: 43 Resp: 10256
Ion Ratio Lower Upper
43 100
45 1.9 10.6 15.8#



#44
Isopropyl Acetate
Concen: 2.628 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 18799
Ion Ratio Lower Upper
43 100
61 11.4 14.8 22.2#





#45

1,4-Dioxane

Concen: 48.222 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

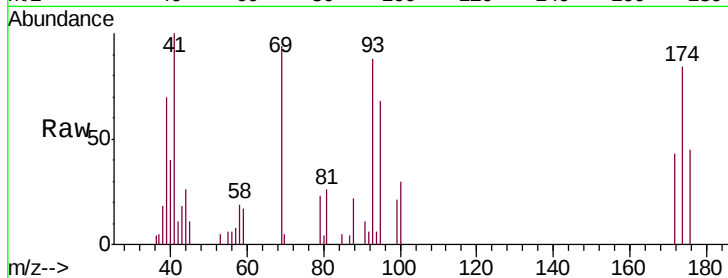
Tgt Ion: 88 Resp: 1911

Ion Ratio Lower Upper

88 100

43 40.3 34.5 51.7

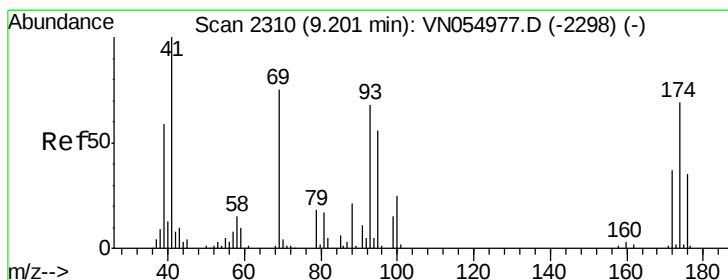
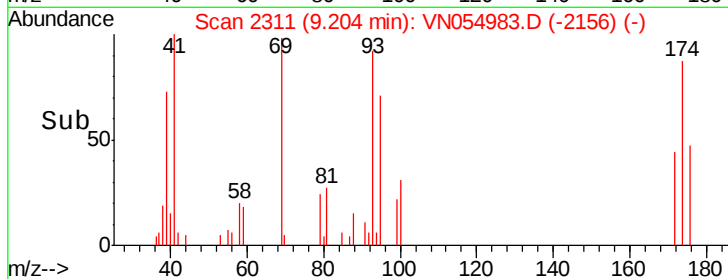
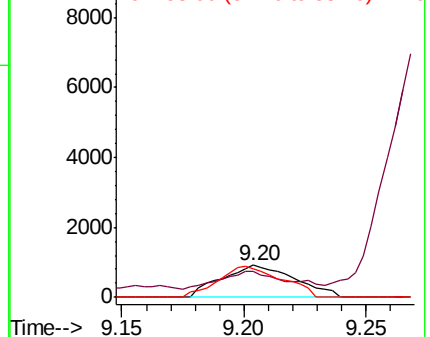
58 84.1 60.3 90.5



Abundance Ion 88.00 (87.70 to 88.70): VN054977.D (-2299) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN054977.D (-2299) (-)



#46

Methyl methacrylate

Concen: 2.391 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

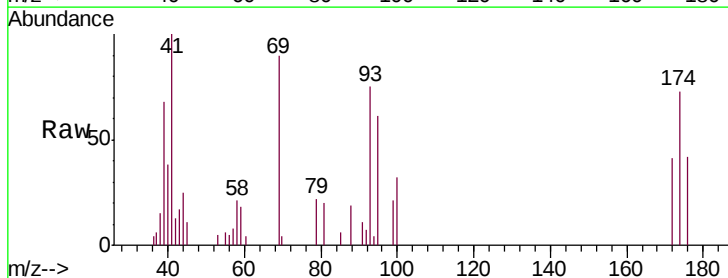
Tgt Ion: 41 Resp: 8847

Ion Ratio Lower Upper

41 100

69 95.8 37.3 111.9

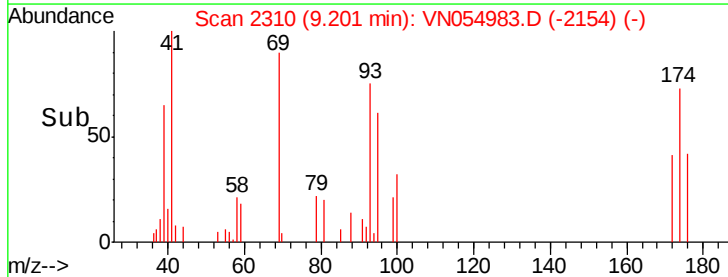
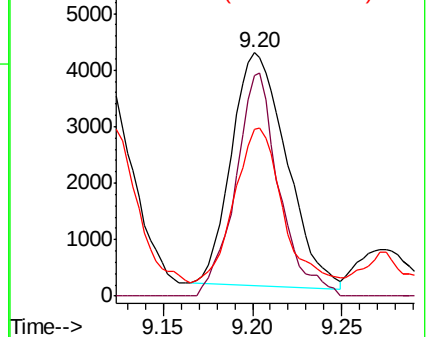
39 66.5 29.4 88.2

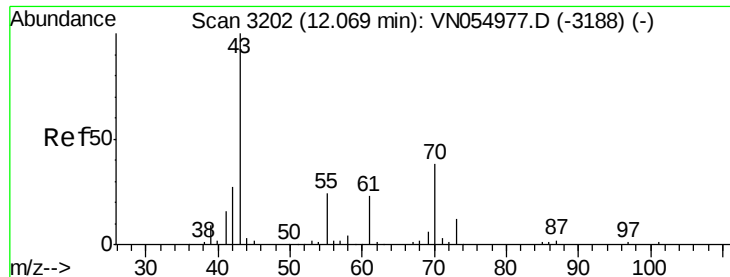


Abundance Ion 41.00 (40.70 to 41.70): VN054977.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054977.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-2298) (-)

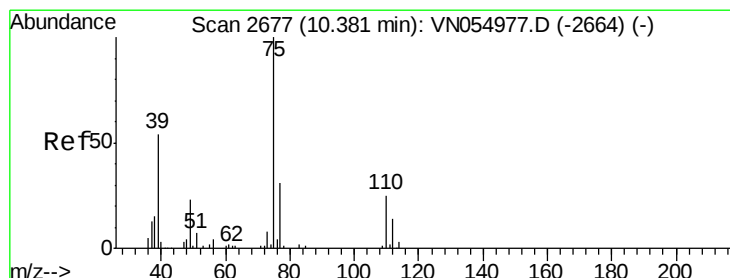
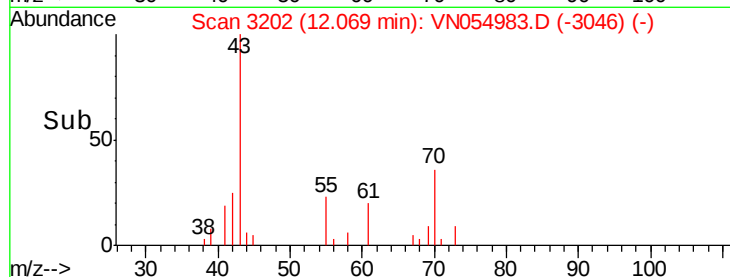
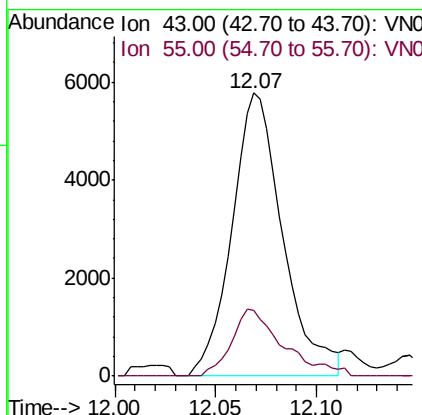
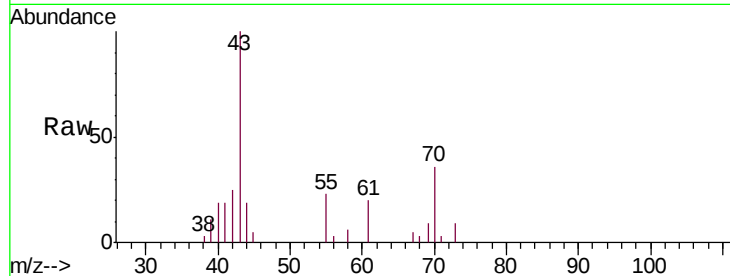




#47
n-amyl Acetate
Concen: 1.933 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

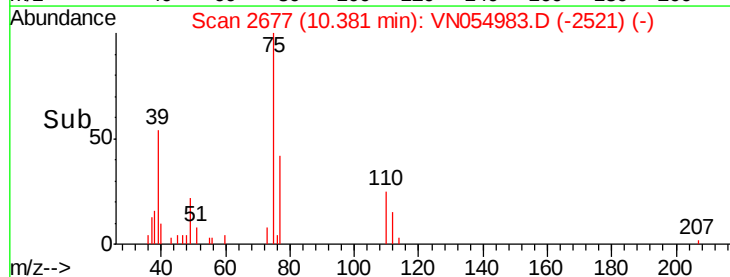
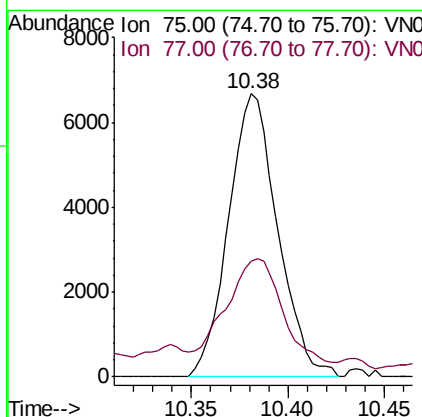
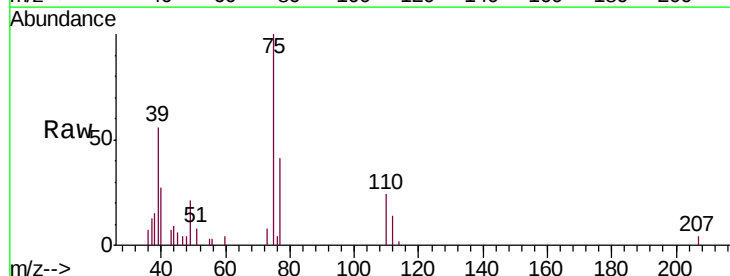
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

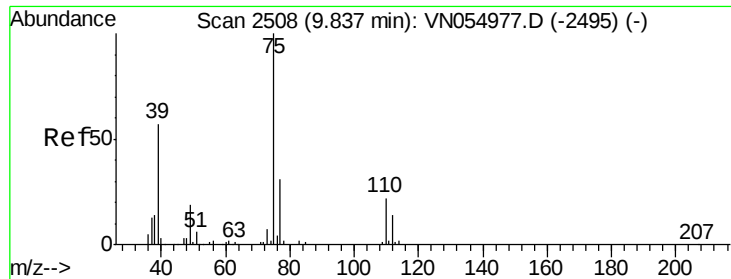
Tgt Ion: 43 Resp: 10183
Ion Ratio Lower Upper
43 100
55 22.1 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 2.159 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 75 Resp: 11815
Ion Ratio Lower Upper
75 100
77 35.3 24.6 37.0

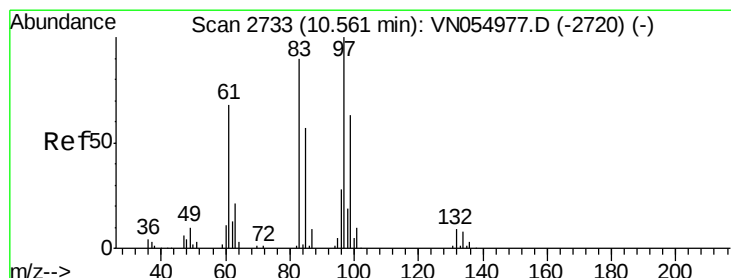
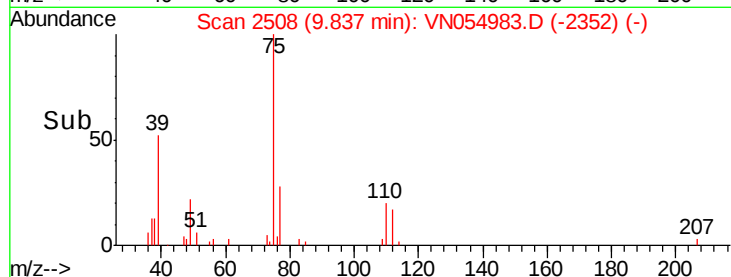
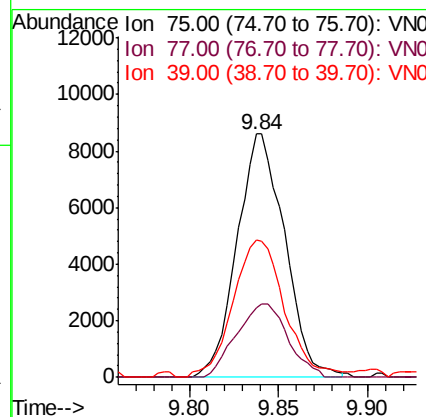
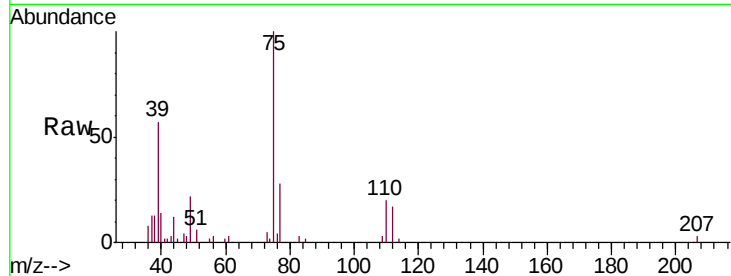




#49
 cis-1,3-Dichloropropene
 Concen: 2.373 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

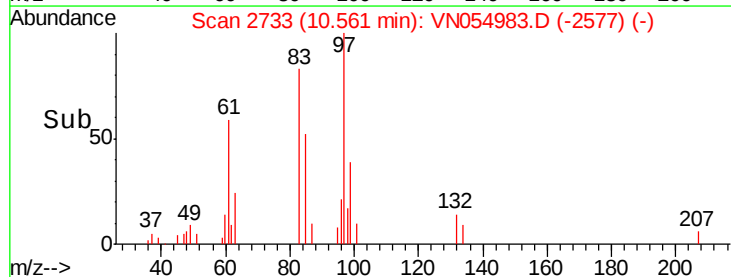
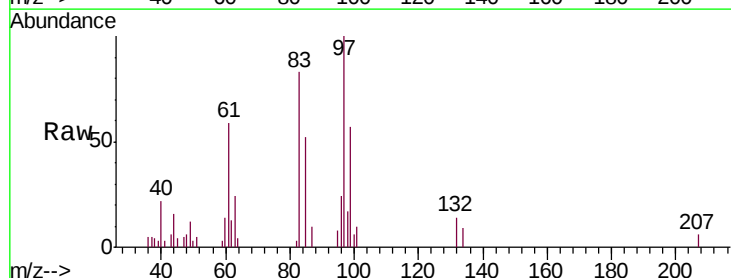
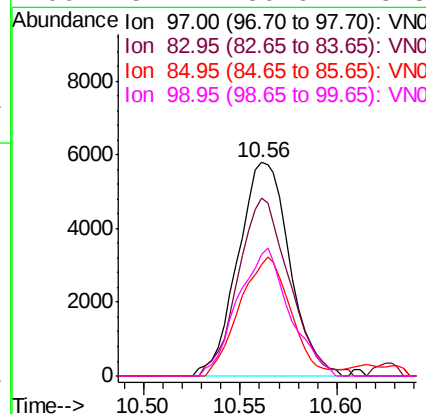
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

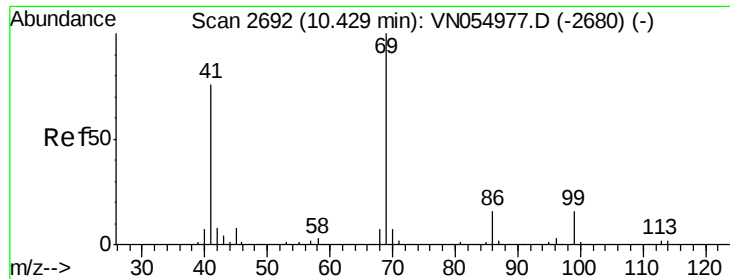
Tgt Ion: 75 Resp: 16030
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.7 37.1
 39 54.4 45.3 67.9



#50
 1,1,2-Trichloroethane
 Concen: 2.743 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 97 Resp: 10756
 Ion Ratio Lower Upper
 97 100
 83 83.2 72.1 108.1
 85 52.1 45.4 68.0
 99 57.1 50.6 75.8





#51

Ethyl methacrylate

Concen: 2.486 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

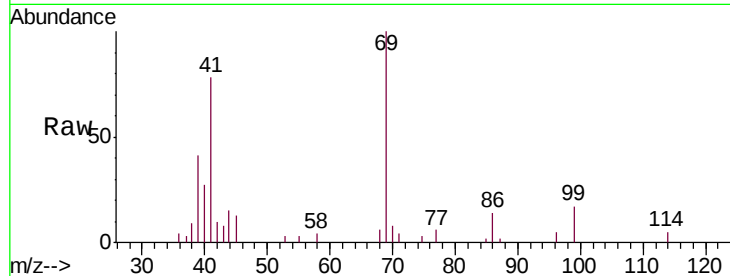
Tgt Ion: 69 Resp: 11620

Ion Ratio Lower Upper

69 100

41 74.6 37.9 113.7

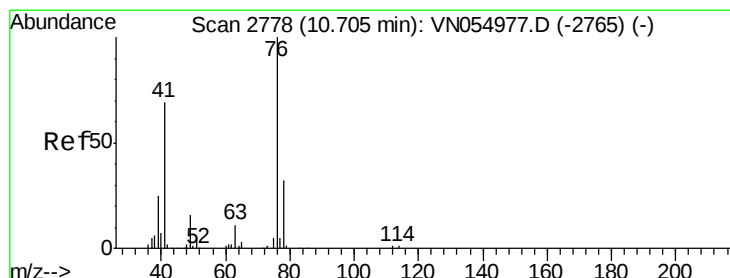
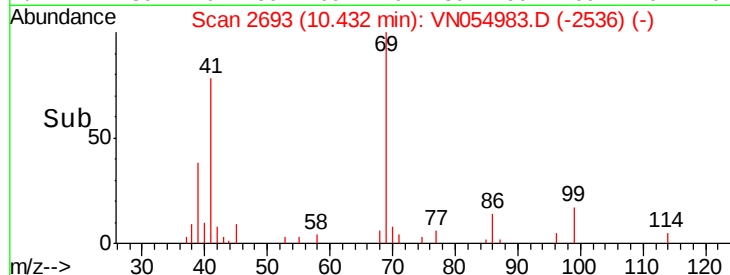
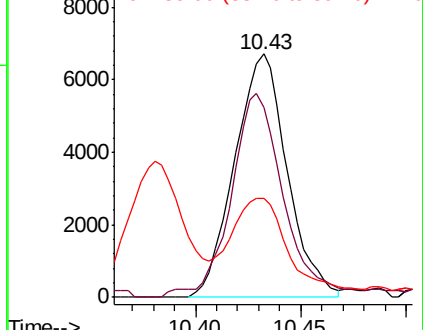
39 36.4 19.8 59.4



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



#52

1,3-Dichloropropane

Concen: 2.551 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054983.D

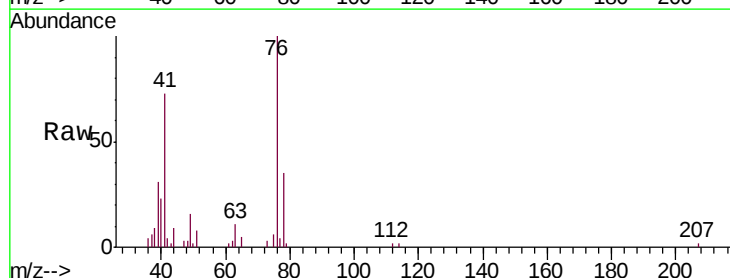
Acq: 11 Apr 2019 18:04

Tgt Ion: 76 Resp: 17524

Ion Ratio Lower Upper

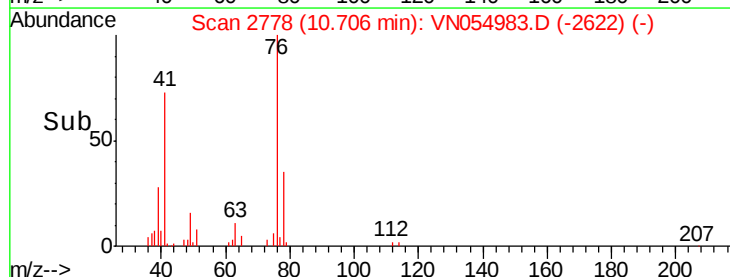
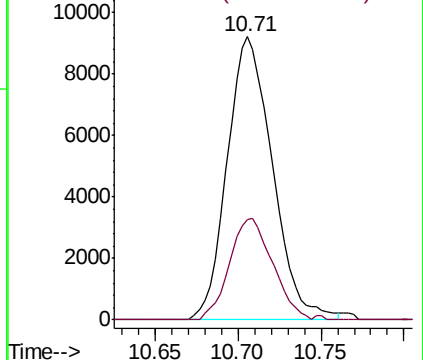
76 100

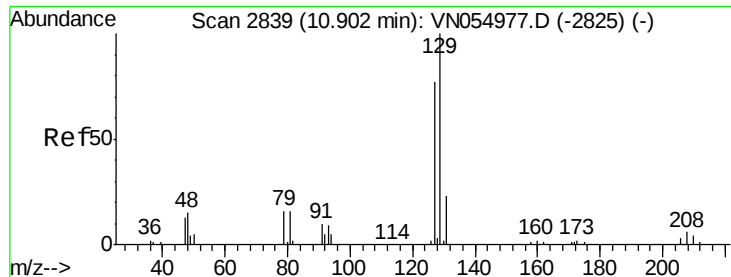
78 34.1 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

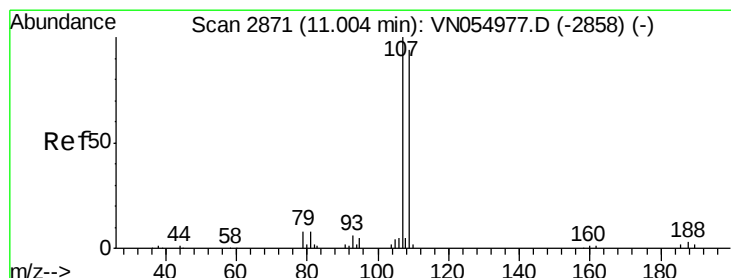
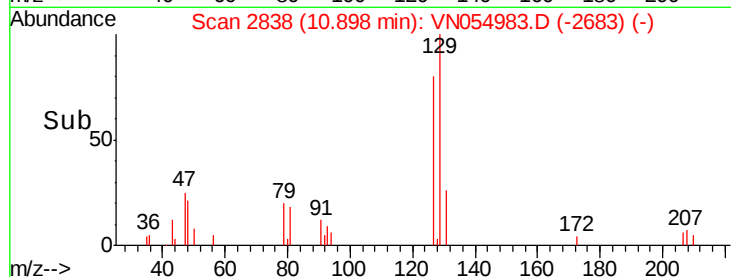
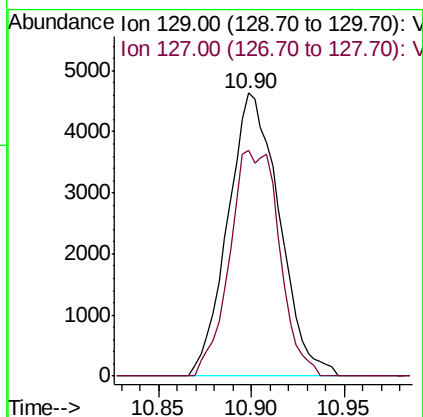
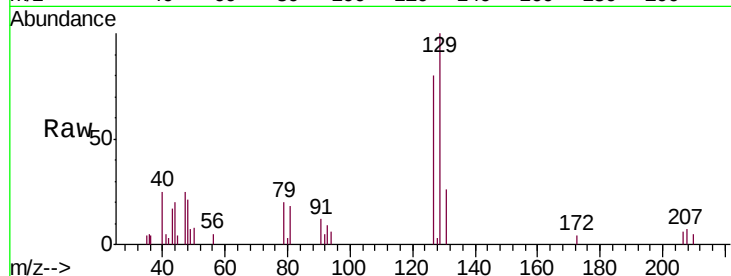




#53
Dibromochloromethane
Concen: 2.209 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

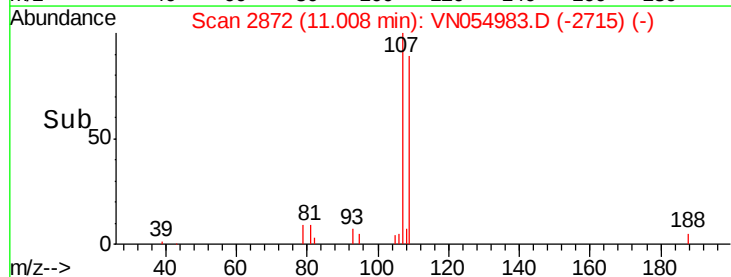
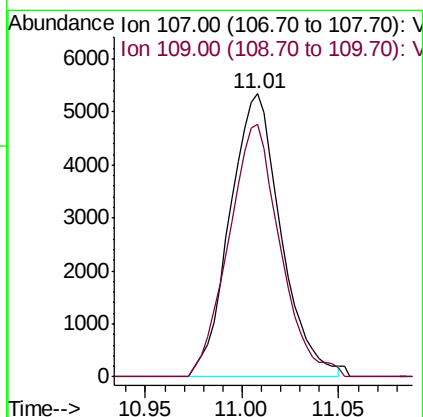
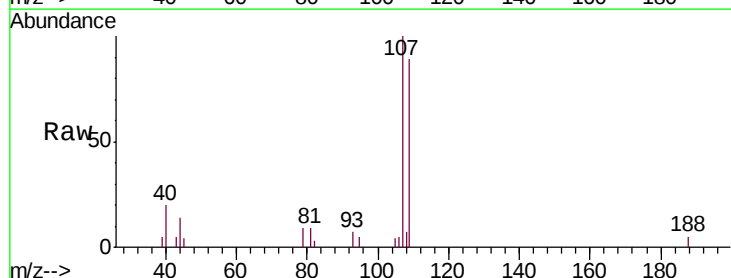
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

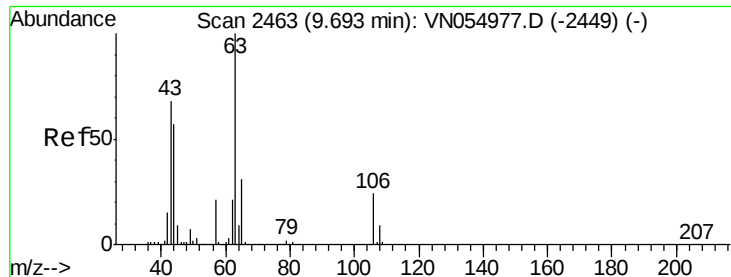
Tgt Ion:129 Resp: 8921
Ion Ratio Lower Upper
129 100
127 41.8 37.8 113.3



#54
1,2-Dibromoethane
Concen: 2.672 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:107 Resp: 9835
Ion Ratio Lower Upper
107 100
109 88.9 76.2 114.2

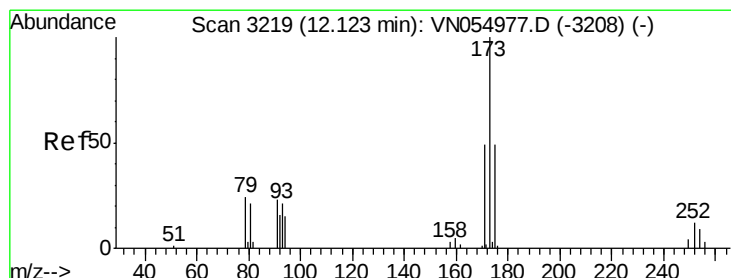
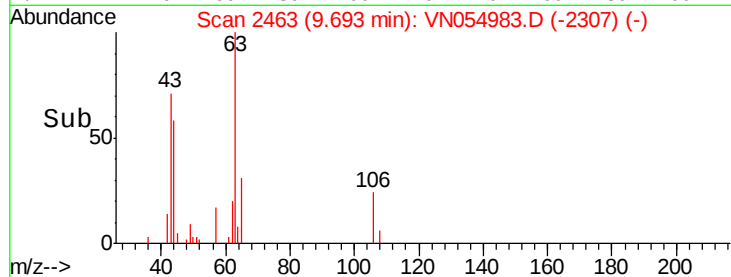
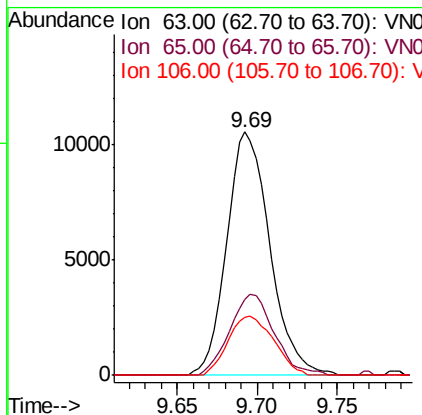
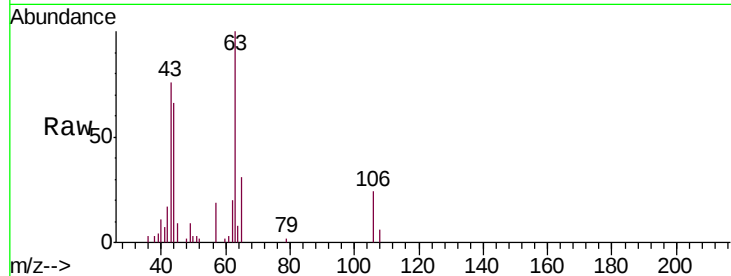




#55
 2-Chloroethyl vinyl ether
 Concen: 9.943 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

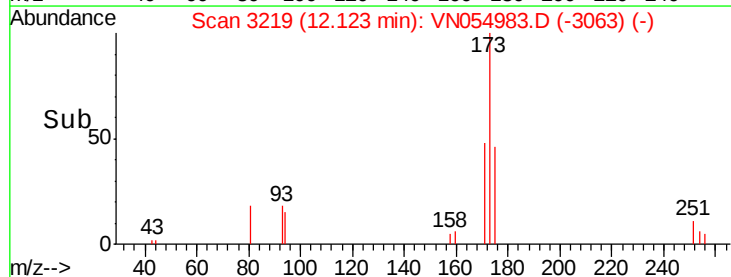
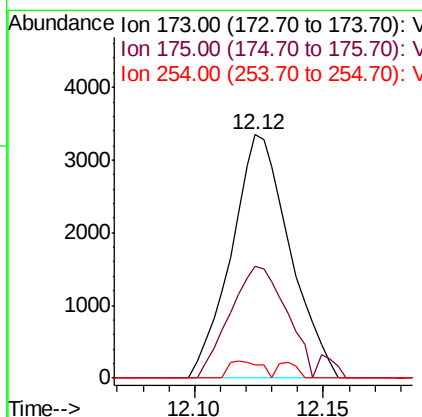
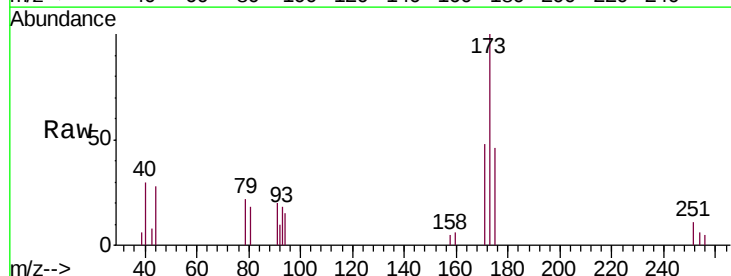
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

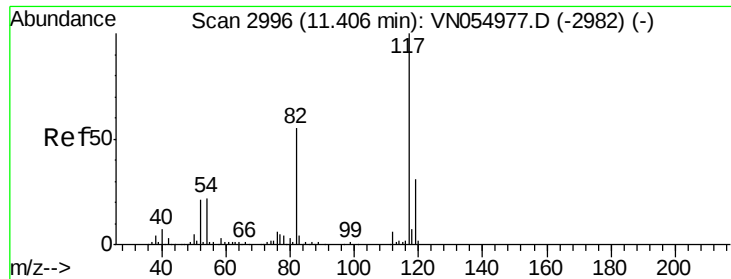
Tgt Ion: 63 Resp: 19430
 Ion Ratio Lower Upper
 63 100
 65 34.3 25.4 38.0
 106 25.5 19.8 29.6



#56
 Bromoform
 Concen: 2.079 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 173 Resp: 5277
 Ion Ratio Lower Upper
 173 100
 175 44.5 38.6 57.8
 254 3.7 6.8 10.2#

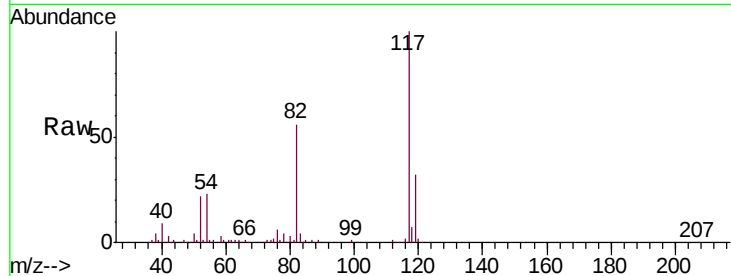




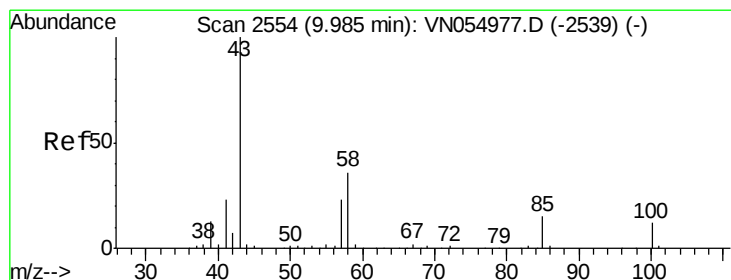
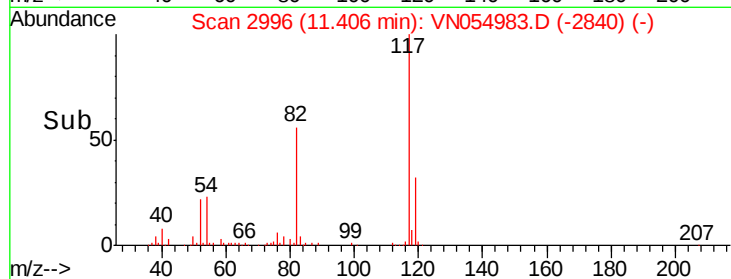
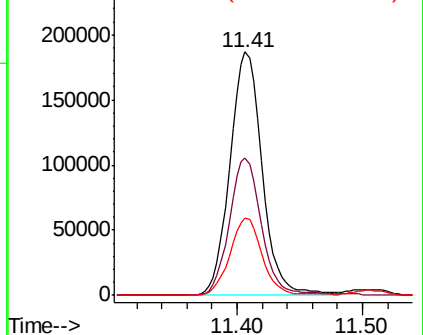
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

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

Tgt Ion: 117 Resp: 334565
Ion Ratio Lower Upper
117 100
82 55.4 45.2 67.8
119 31.6 25.4 38.2

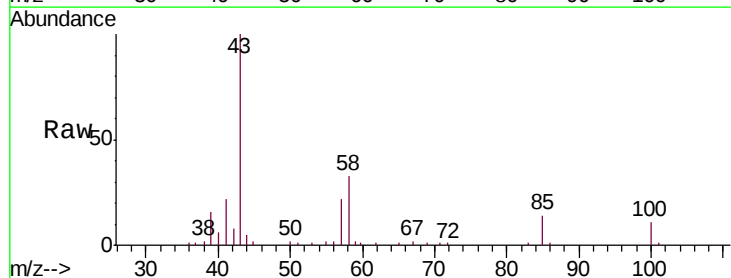


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

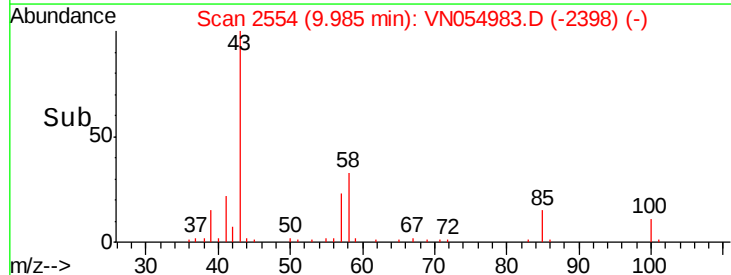
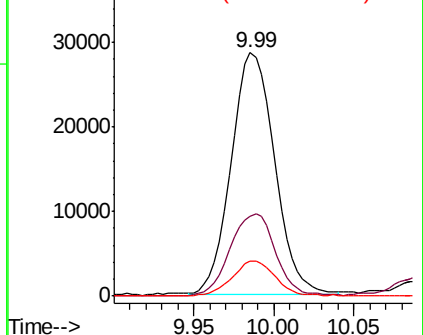


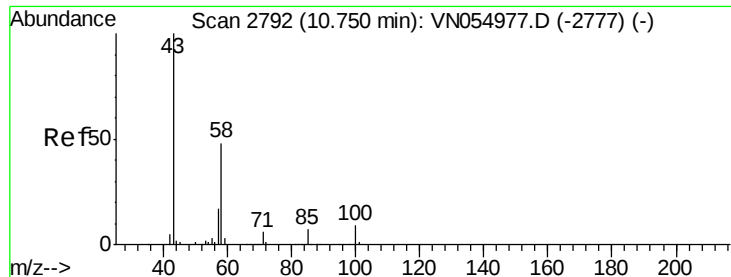
#58
4-Methyl-2-Pentanone
Concen: 13.729 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 52971
Ion Ratio Lower Upper
43 100
58 35.6 28.7 43.1
85 14.4 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

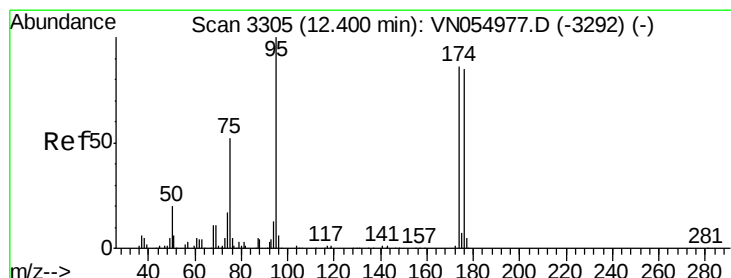
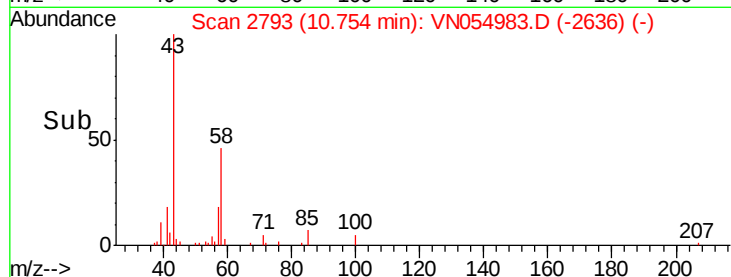
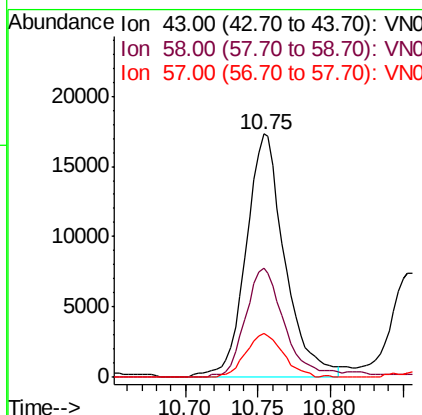
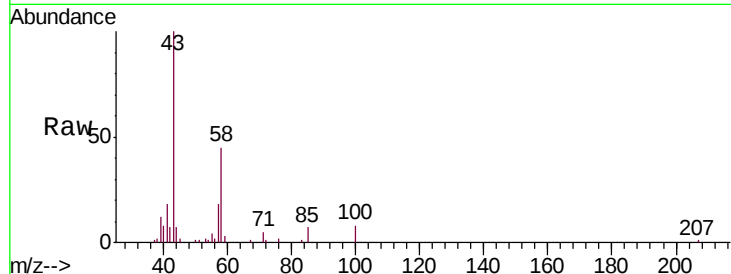




#59
2-Hexanone
Concen: 13.141 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

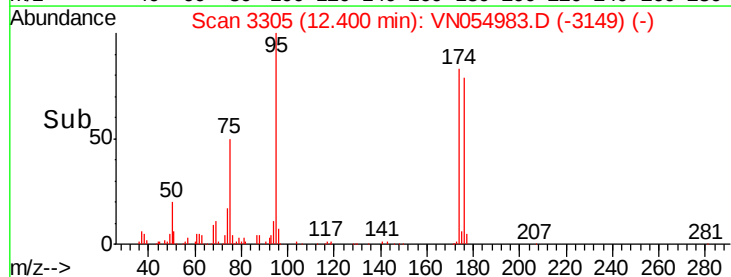
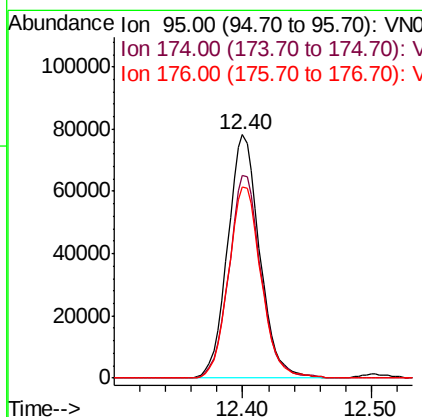
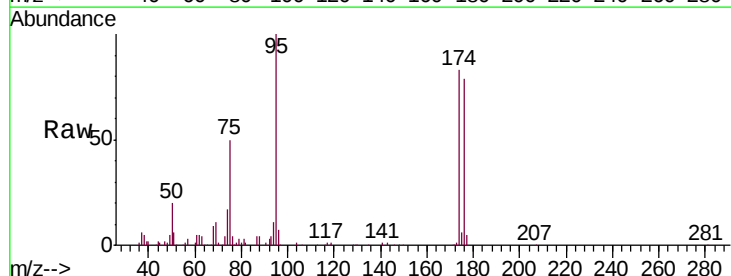
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

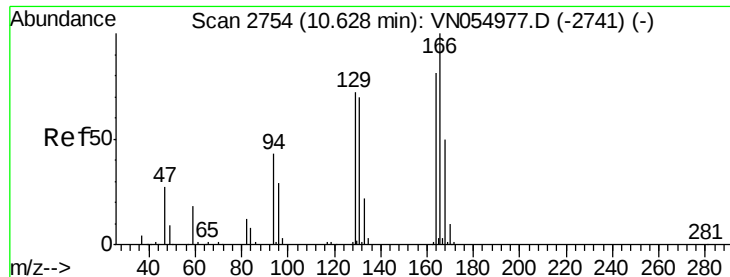
Tgt Ion: 43 Resp: 32208
Ion Ratio Lower Upper
43 100
58 41.1 38.8 58.2
57 17.3 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 13.141 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 95 Resp: 134700
Ion Ratio Lower Upper
95 100
174 83.4 69.4 104.2
176 80.1 67.4 101.2

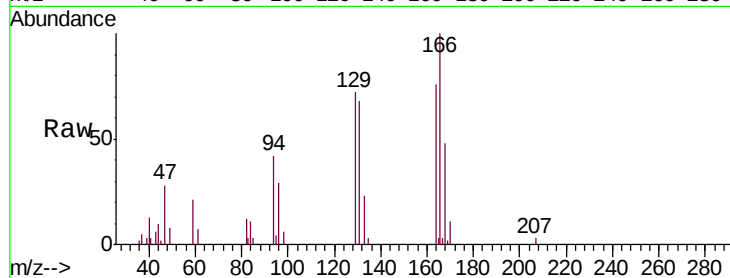




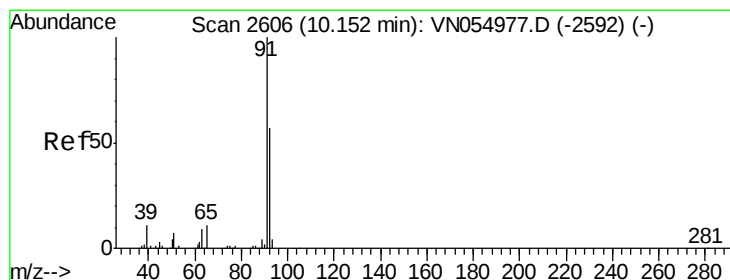
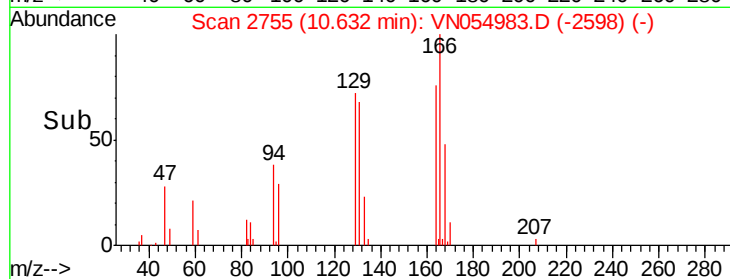
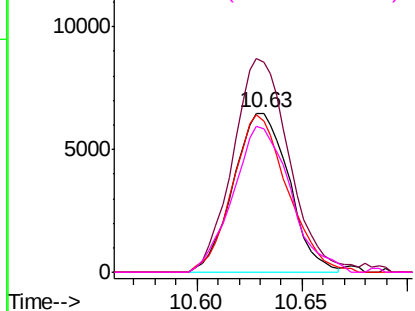
#61
Tetrachloroethene
Concen: 2.721 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

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

Tgt Ion:164 Resp: 11849
Ion Ratio Lower Upper
164 100
166 132.1 99.0 148.4
129 94.7 71.4 107.0
131 90.4 68.8 103.2

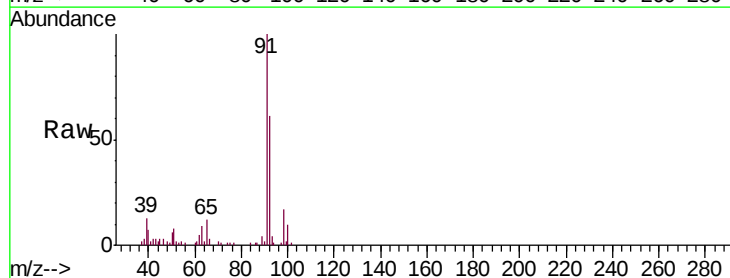


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

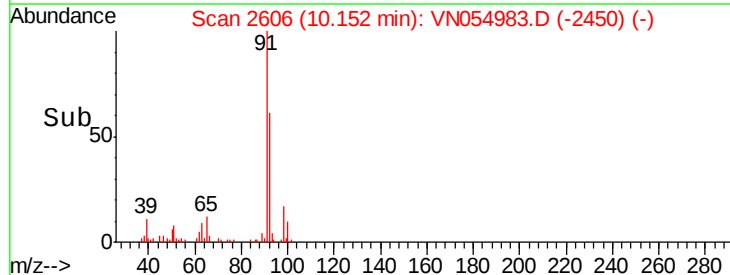
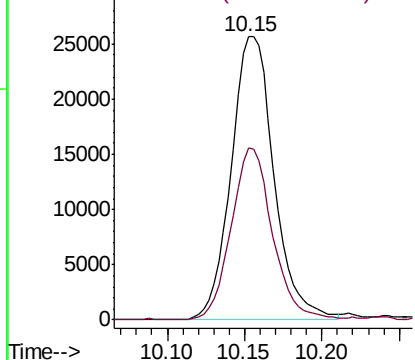


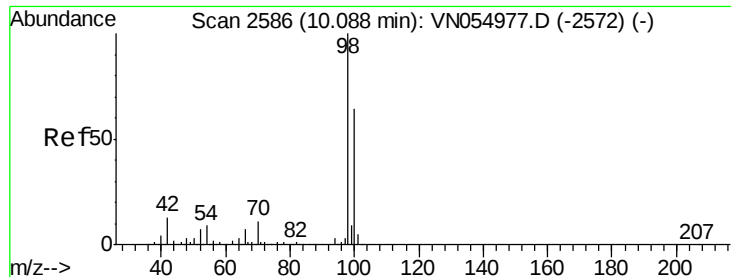
#62
Toluene
Concen: 2.681 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 91 Resp: 49422
Ion Ratio Lower Upper
91 100
92 58.5 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 2.681 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

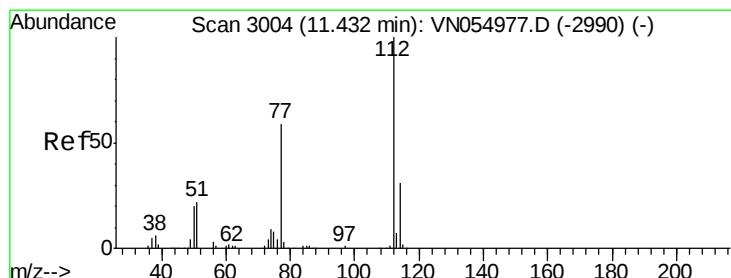
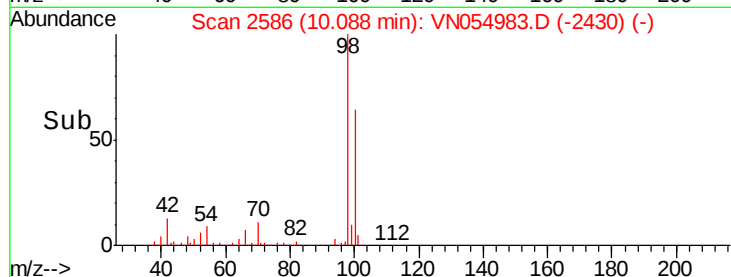
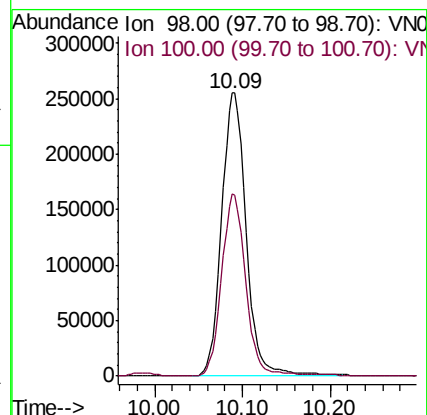
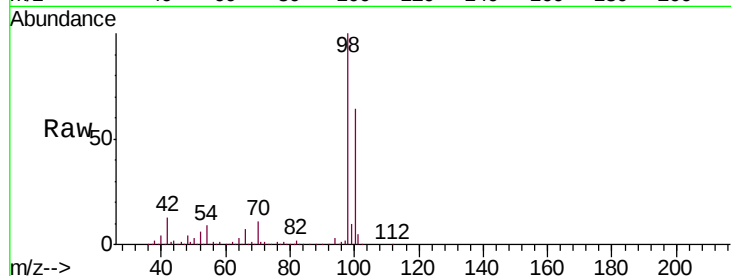
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 98 Resp: 499603

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7



#64

Chlorobenzene

Concen: 2.523 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054983.D

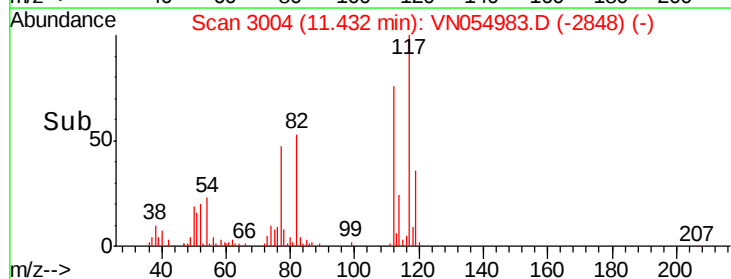
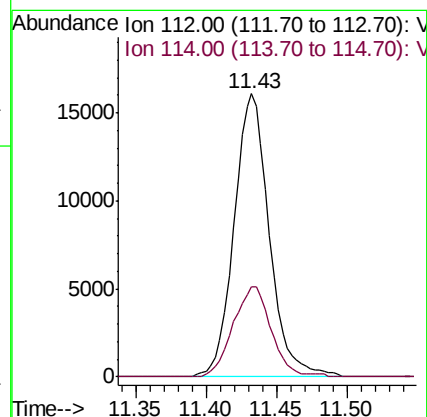
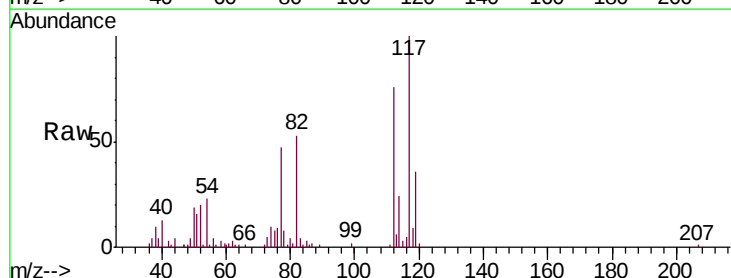
Acq: 11 Apr 2019 18:04

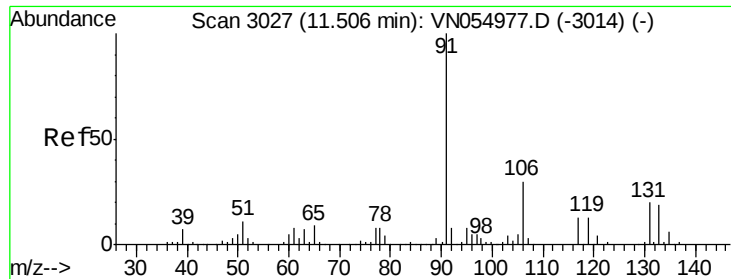
Tgt Ion: 112 Resp: 28075

Ion Ratio Lower Upper

112 100

114 31.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 2.691 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

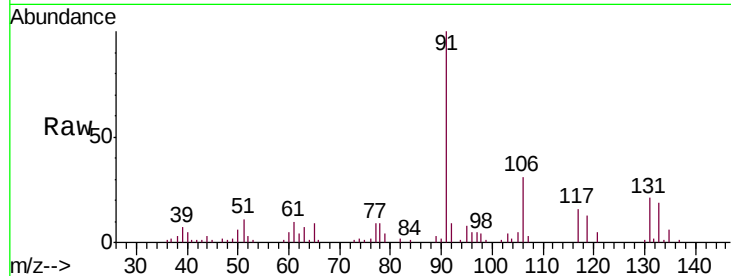
Tgt Ion: 131 Resp: 10652

Ion Ratio Lower Upper

131 100

133 92.5 0.0 187.8

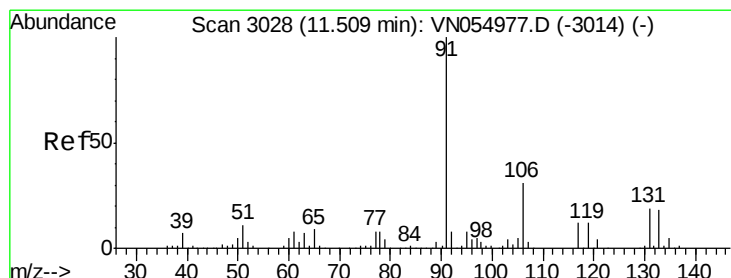
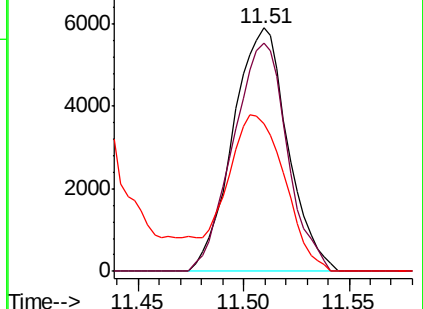
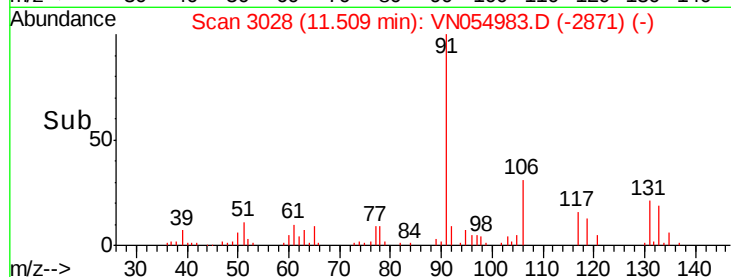
119 67.2 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.535 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054983.D

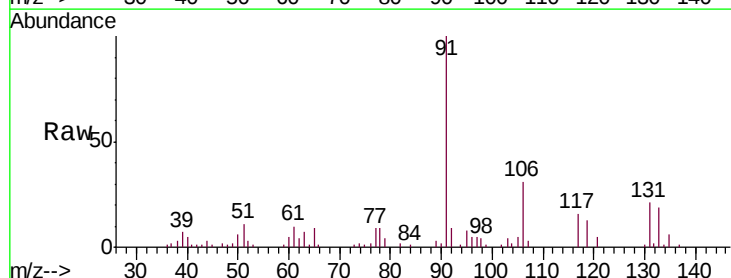
Acq: 11 Apr 2019 18:04

Tgt Ion: 91 Resp: 50088

Ion Ratio Lower Upper

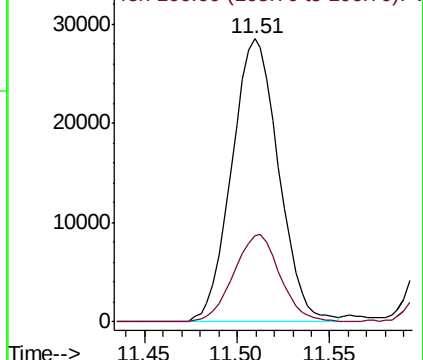
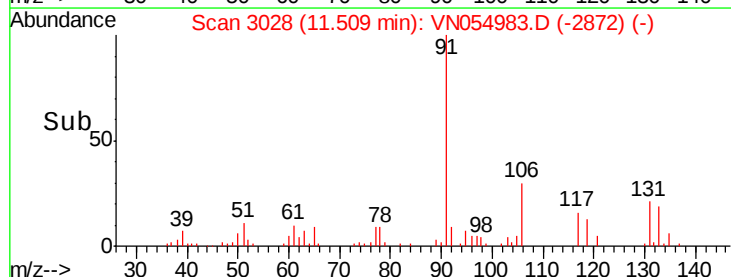
91 100

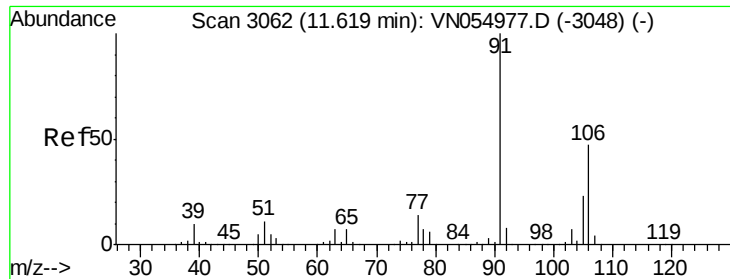
106 30.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

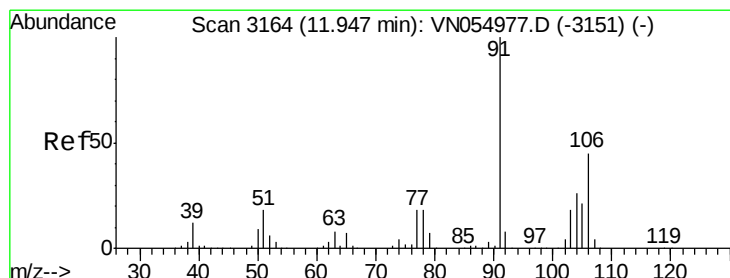
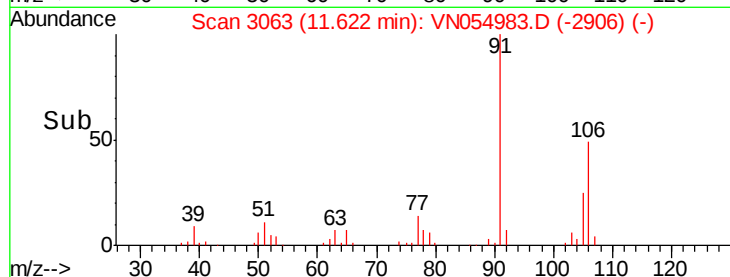
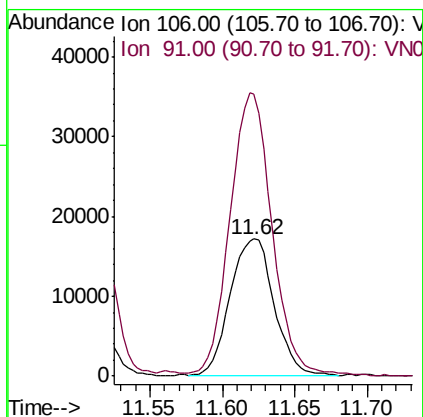
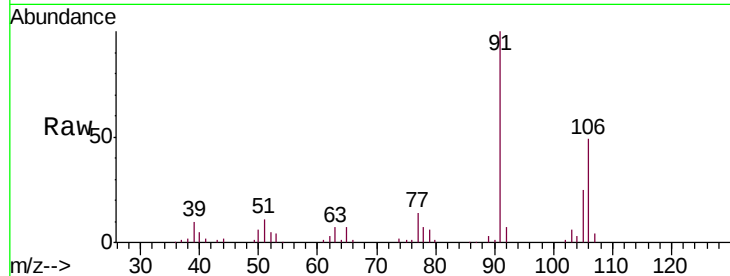




#67
m/p-Xylenes
Concen: 4.952 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

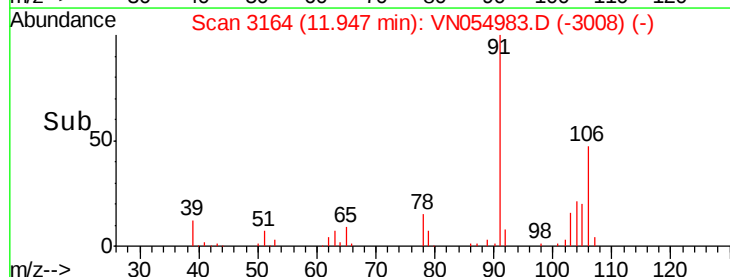
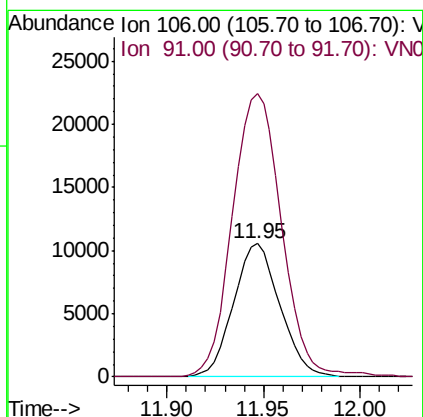
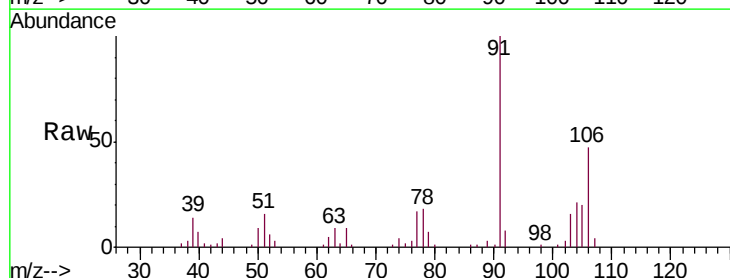
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

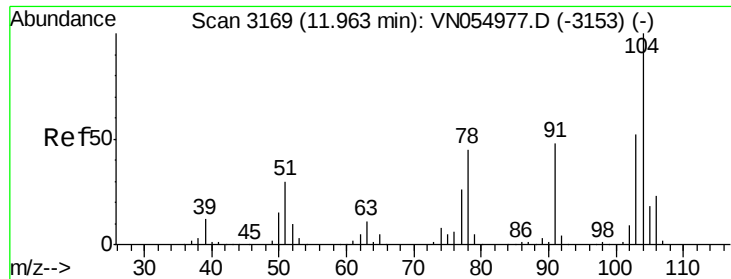
Tgt Ion:106 Resp: 36374
Ion Ratio Lower Upper
106 100
91 198.2 167.4 251.2



#68
o-Xylene
Concen: 2.425 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:106 Resp: 17600
Ion Ratio Lower Upper
106 100
91 225.9 110.3 330.8

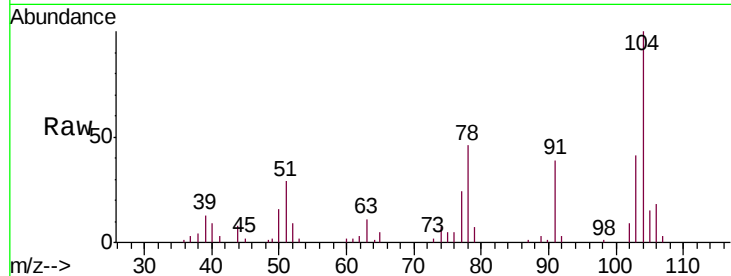




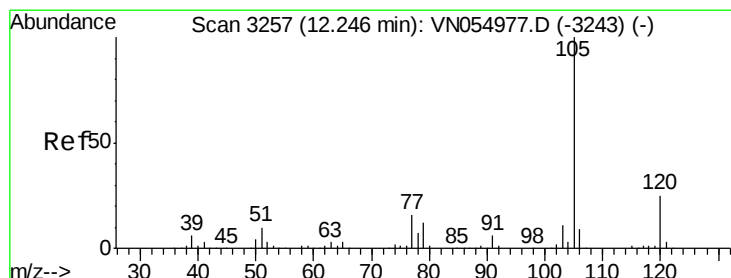
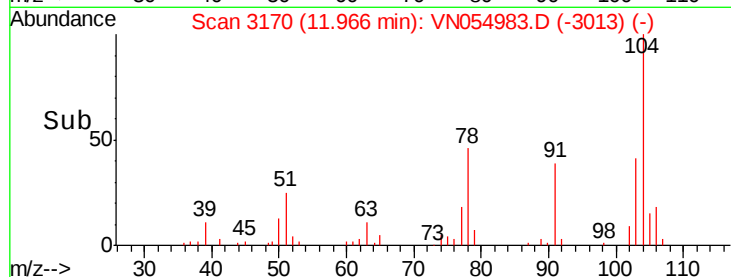
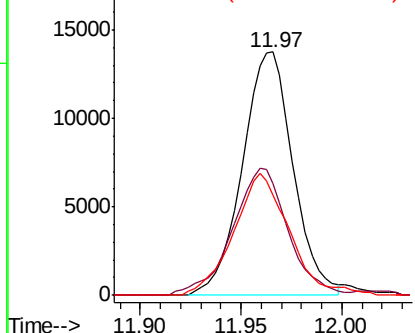
#69
Styrene
Concen: 2.146 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

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

Tgt Ion:104 Resp: 24187
Ion Ratio Lower Upper
104 100
78 57.2 41.2 61.8
103 53.3 44.6 67.0

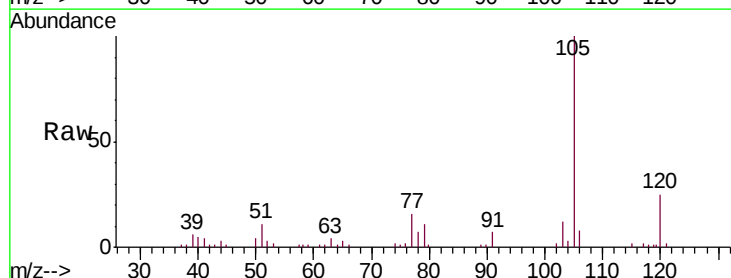


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

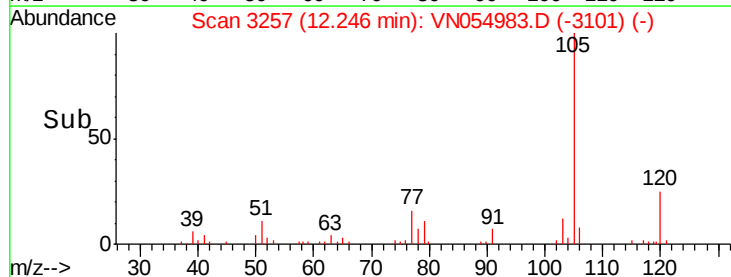
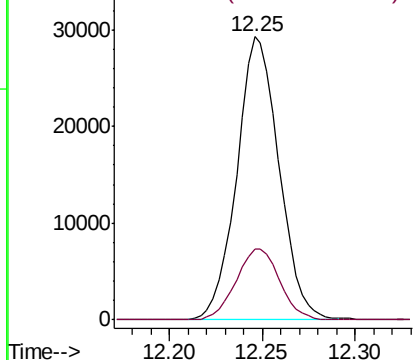


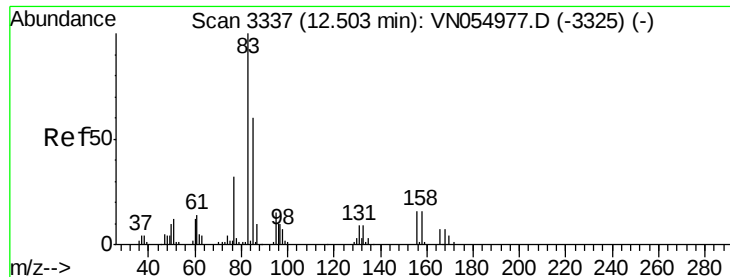
#70
Isopropylbenzene
Concen: 2.377 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:105 Resp: 46135
Ion Ratio Lower Upper
105 100
120 25.8 18.3 33.9



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





#71

1,1,2,2-Tetrachloroethane

Concen: 2.684 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

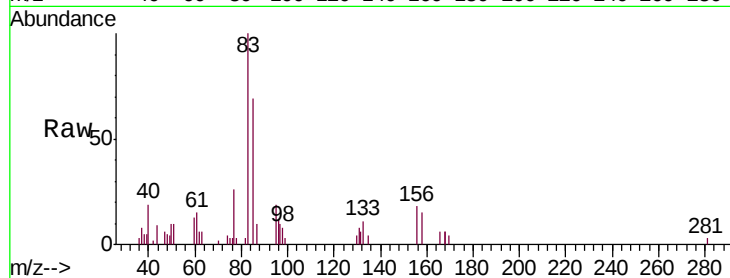
Tgt Ion: 83 Resp: 11913

Ion Ratio Lower Upper

83 100

131 5.4 4.6 13.8

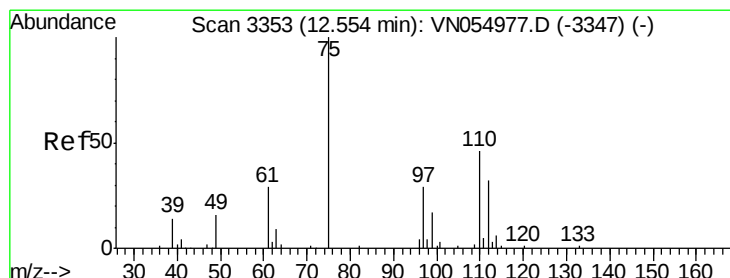
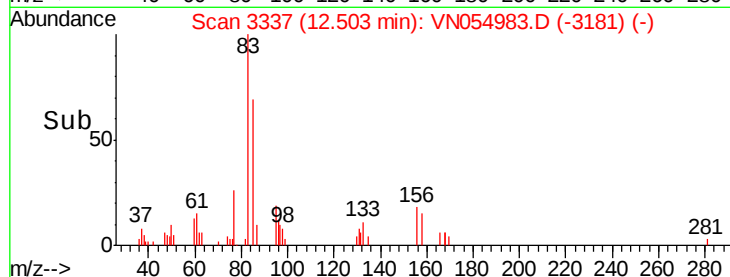
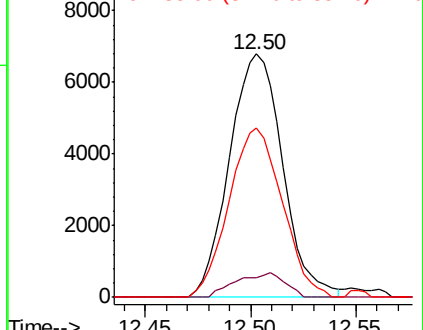
85 69.7 30.9 92.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 3.530 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054983.D

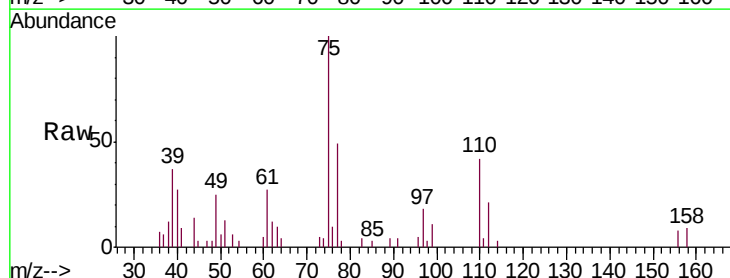
Acq: 11 Apr 2019 18:04

Tgt Ion: 75 Resp: 12940

Ion Ratio Lower Upper

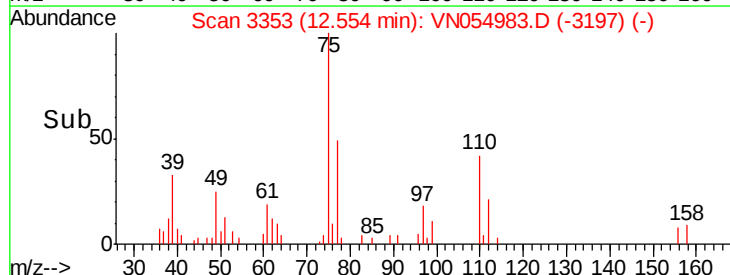
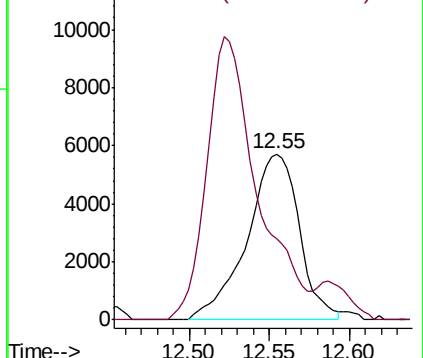
75 100

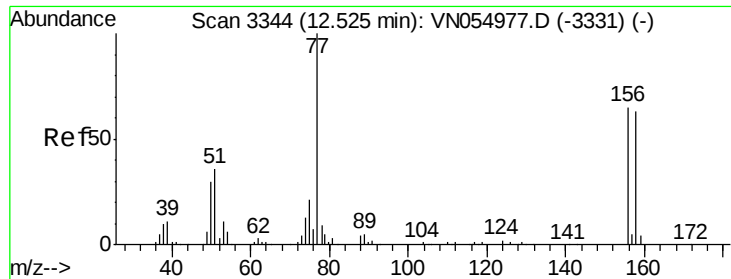
77 165.7 0.0 466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 2.294 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

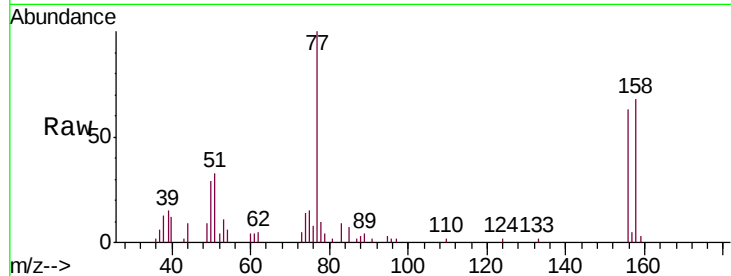
Tgt Ion:156 Resp: 10523

Ion Ratio Lower Upper

156 100

77 203.8 0.0 383.2

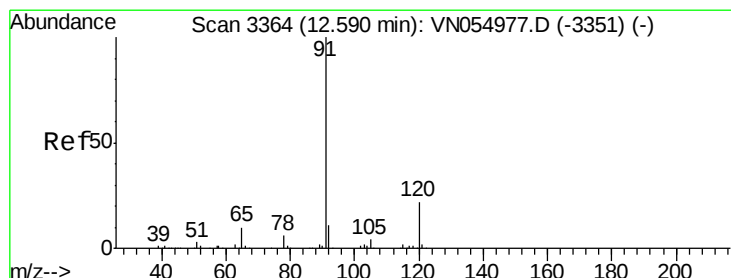
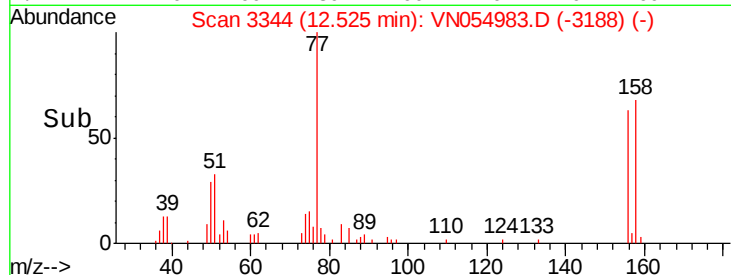
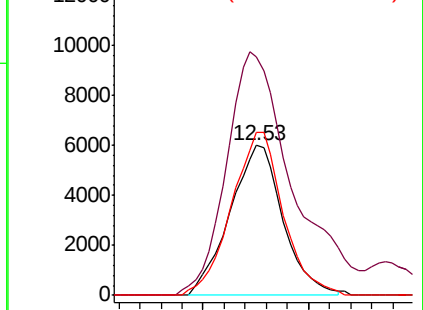
158 106.0 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.218 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054983.D

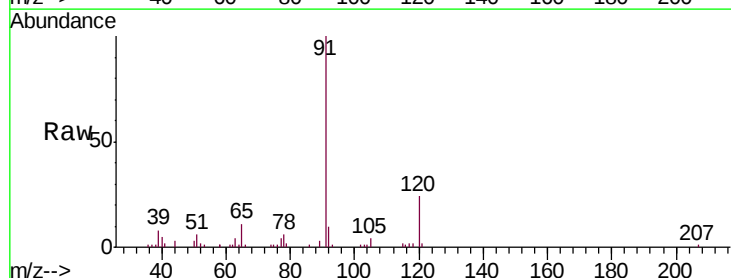
Acq: 11 Apr 2019 18:04

Tgt Ion: 91 Resp: 48201

Ion Ratio Lower Upper

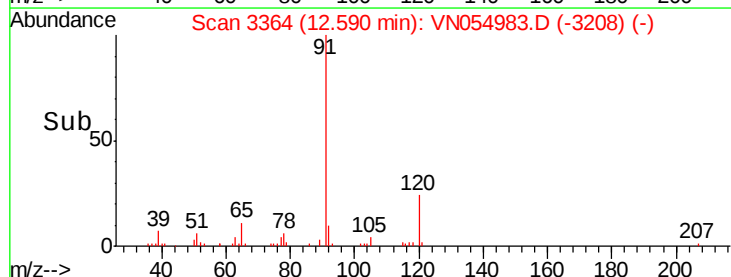
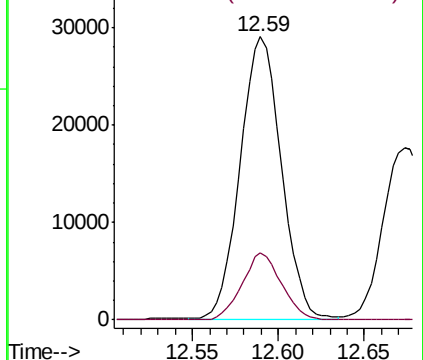
91 100

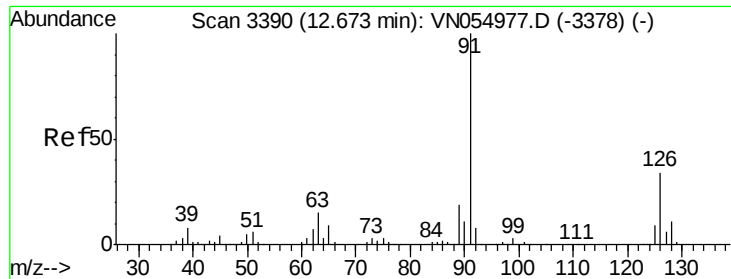
120 22.7 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.418 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054983.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

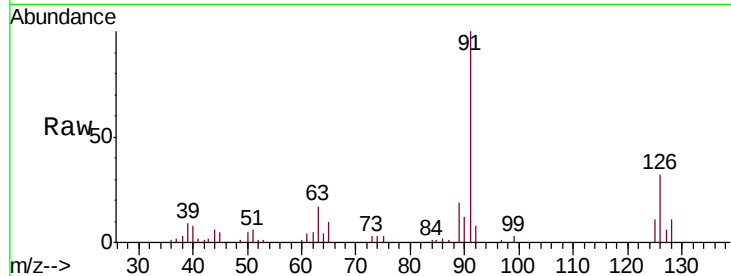
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 91 Resp: 31690

Ion Ratio Lower Upper

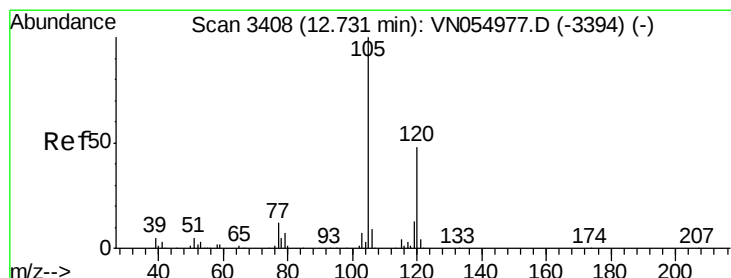
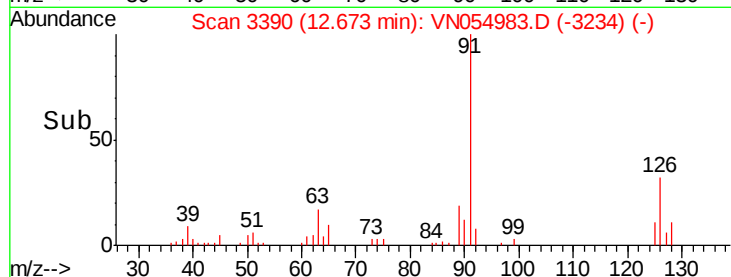
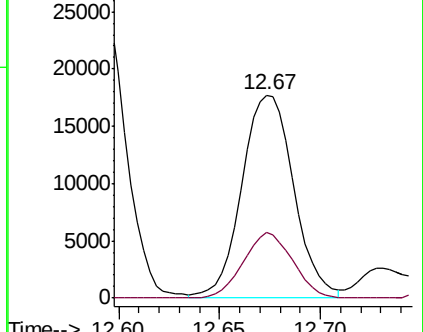
91 100

126 30.8 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.386 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054983.D

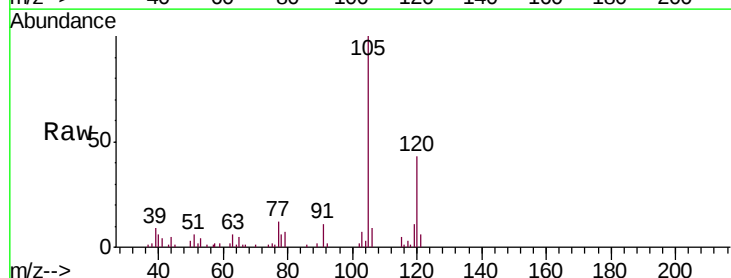
Acq: 11 Apr 2019 18:04

Tgt Ion: 105 Resp: 37437

Ion Ratio Lower Upper

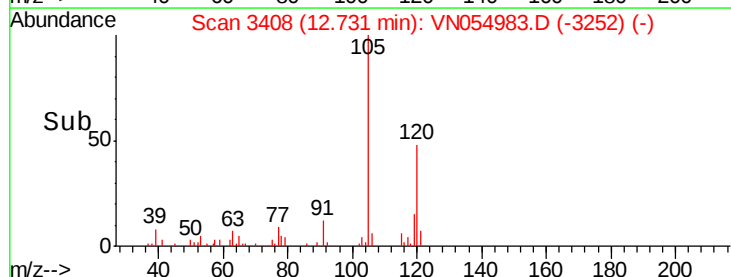
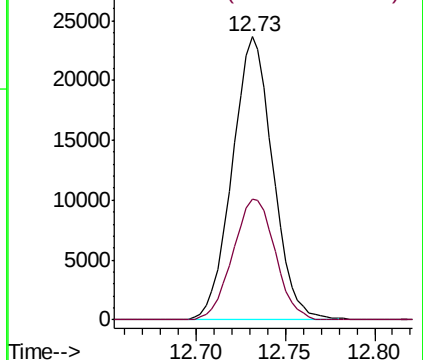
105 100

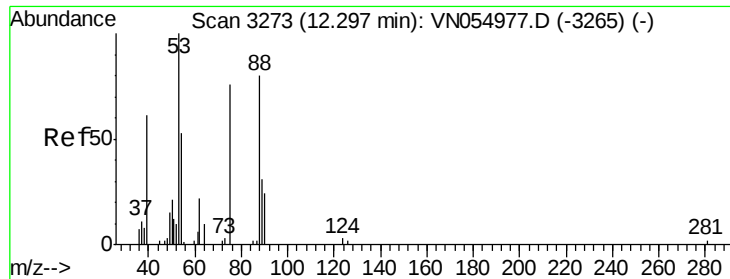
120 44.3 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)

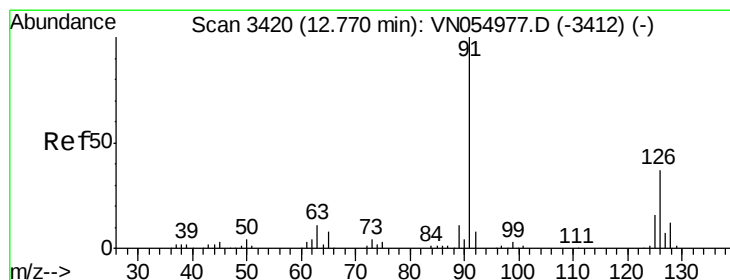
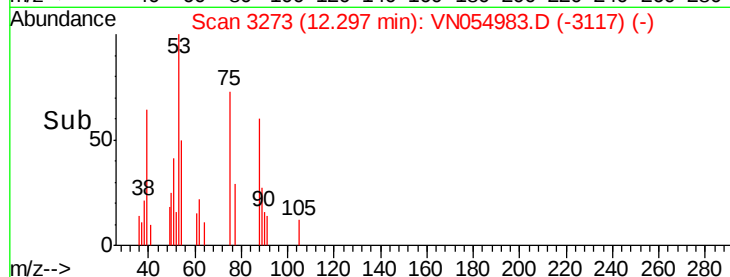
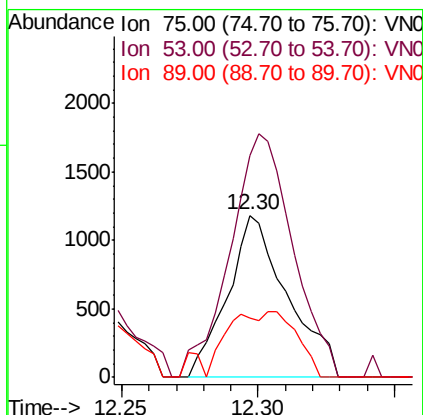
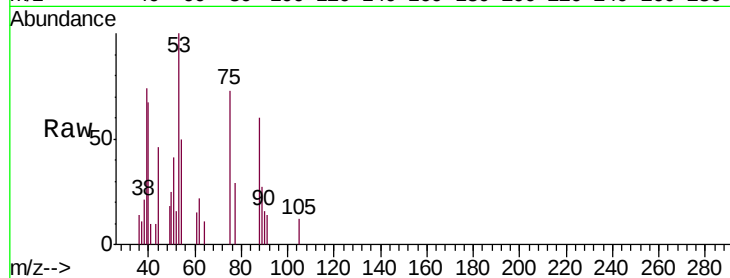




#77
t-1,4-Dichloro-2-butene
Concen: 1.947 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

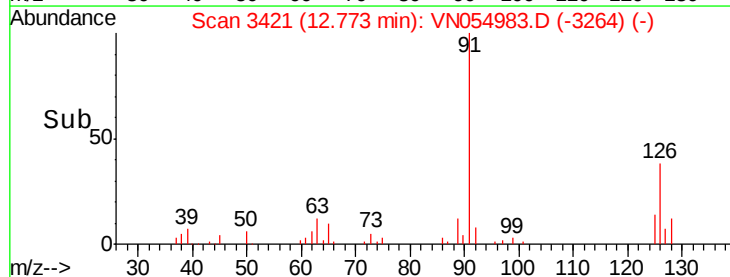
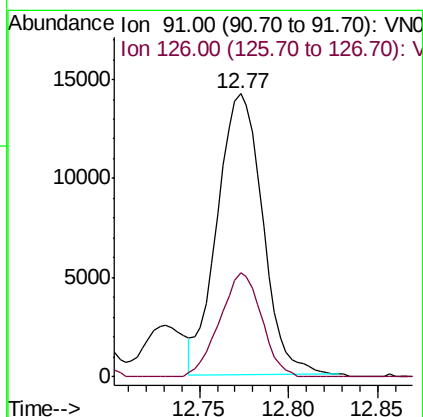
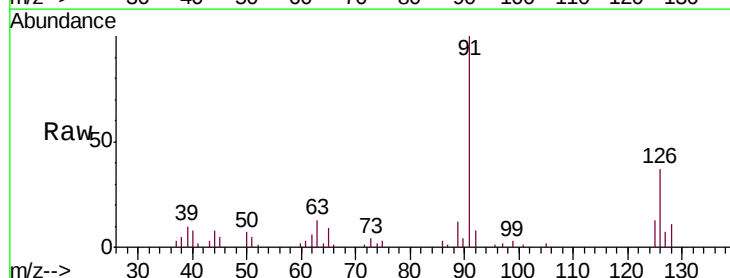
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

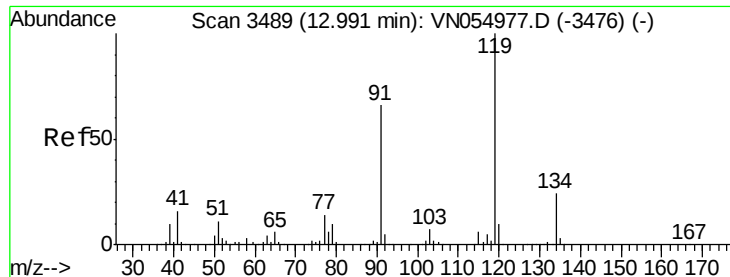
Tgt Ion: 75 Resp: 1799
Ion Ratio Lower Upper
75 100
53 136.6 64.3 192.7
89 36.6 21.6 65.0



#78
4-Chlorotoluene
Concen: 1.998 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 91 Resp: 24949
Ion Ratio Lower Upper
91 100
126 34.3 0.0 66.6

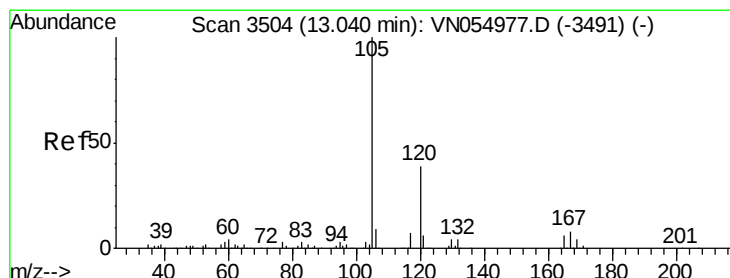
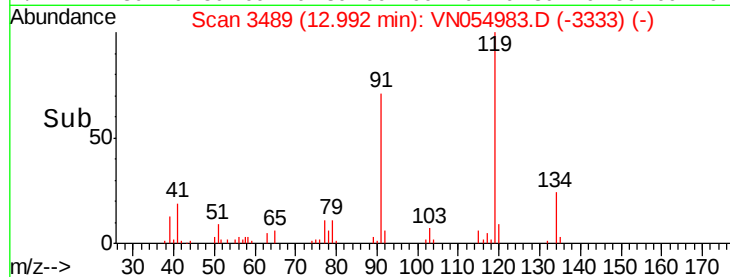
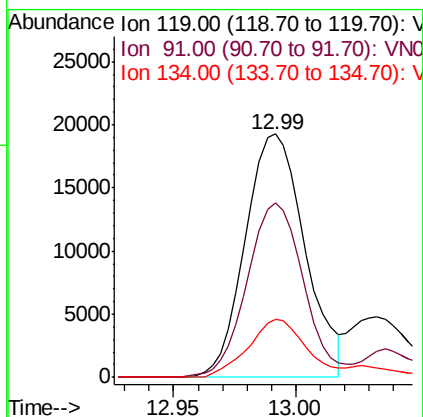
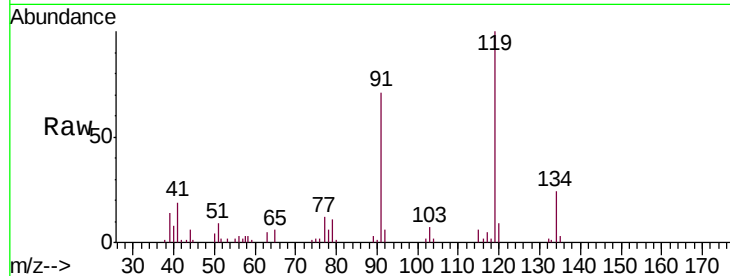




#79
tert-butylbenzene
Concen: 2.413 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

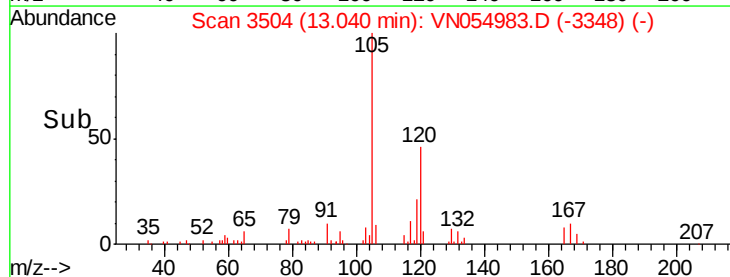
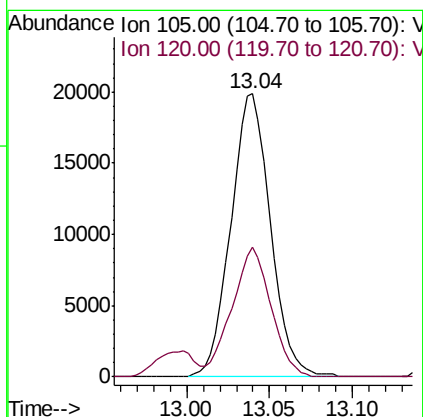
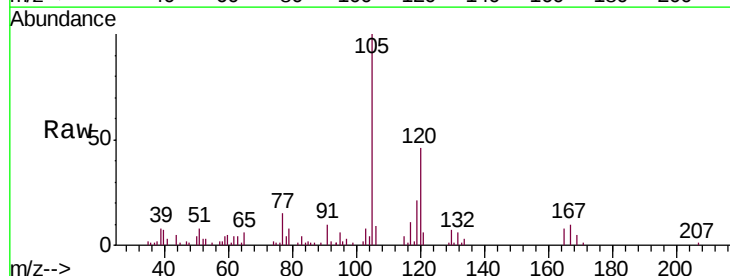
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

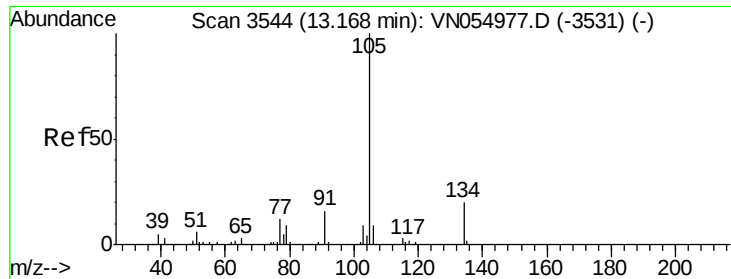
Tgt Ion:119 Resp: 32757
Ion Ratio Lower Upper
119 100
91 67.9 0.0 132.6
134 23.3 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 2.141 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:105 Resp: 33002
Ion Ratio Lower Upper
105 100
120 44.8 0.0 91.4

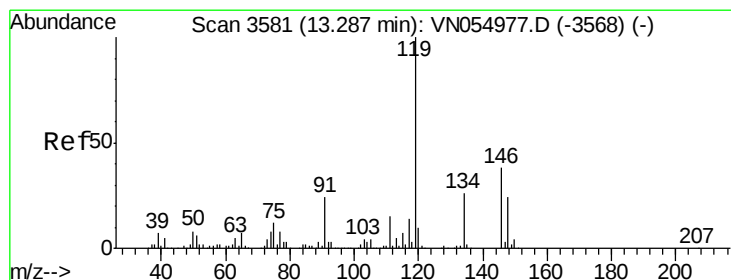
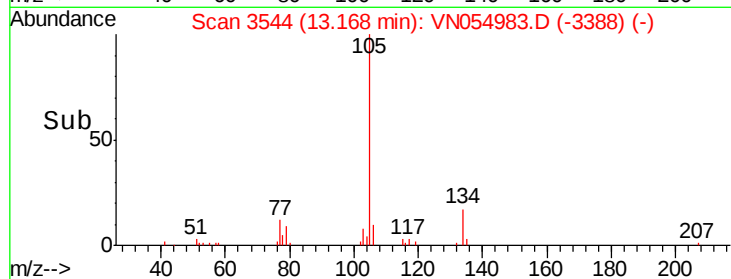
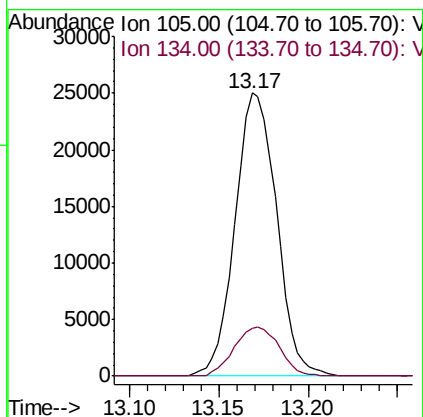
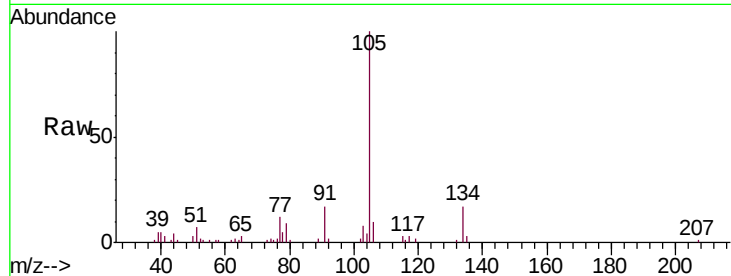




#81
 sec-Butylbenzene
 Concen: 2.242 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

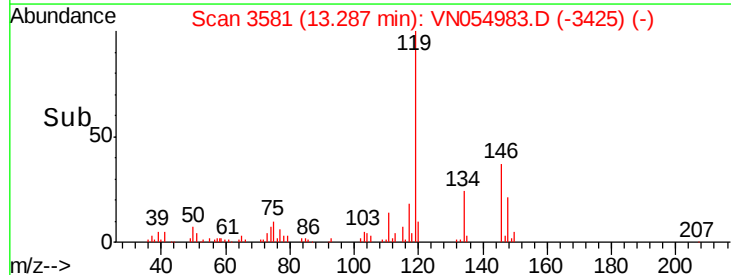
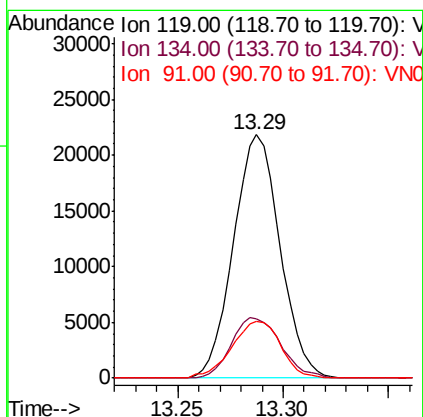
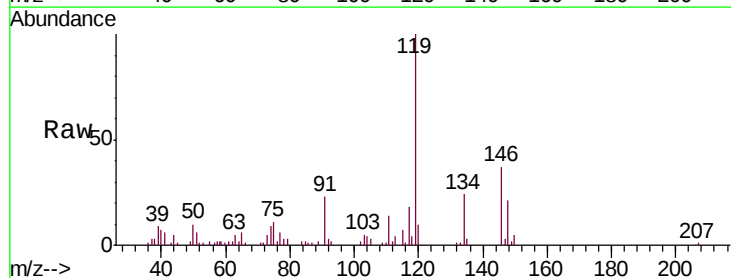
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

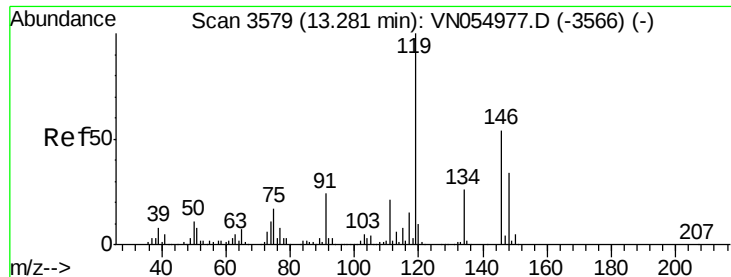
Tgt Ion:105 Resp: 40668
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 2.184 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion:119 Resp: 33435
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 53.2
 91 24.6 0.0 47.8

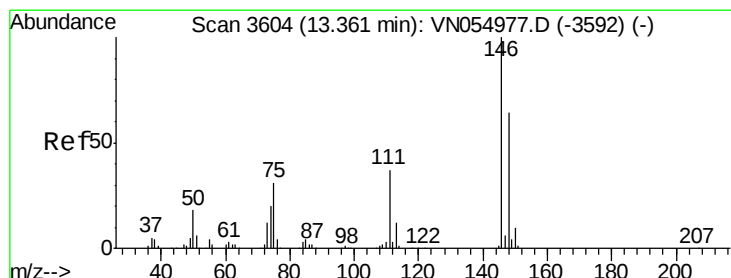
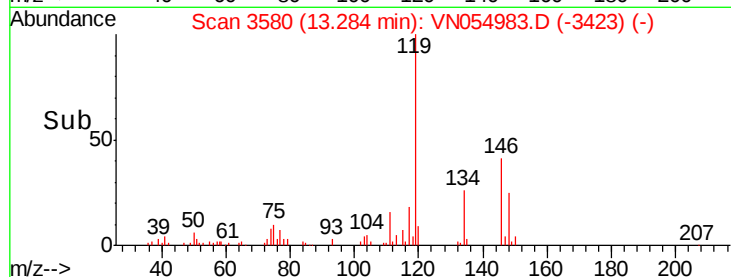
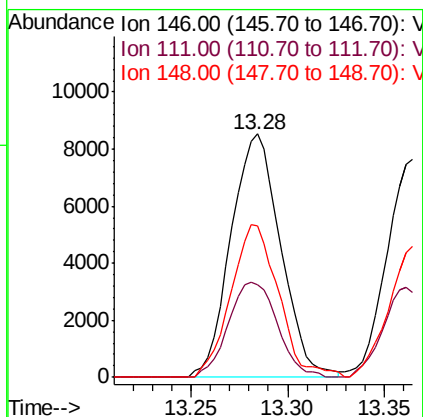
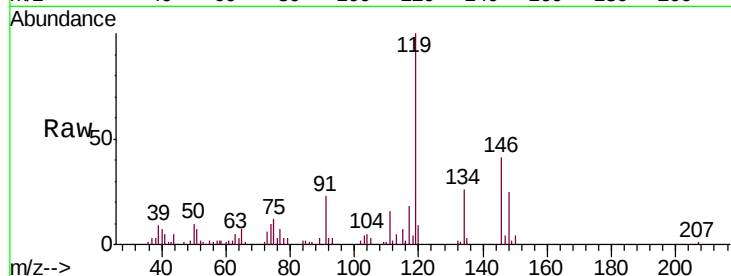




#83
 1,3-Dichlorobenzene
 Concen: 1.988 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

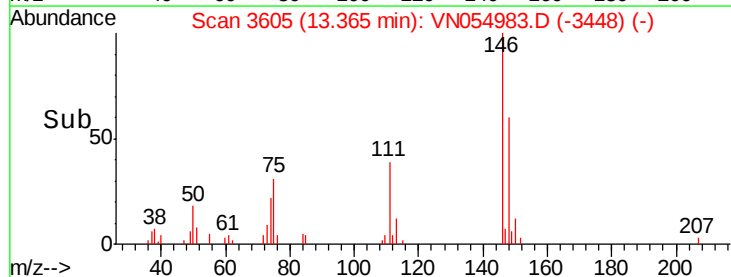
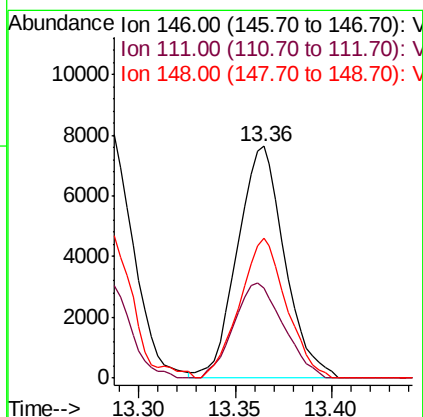
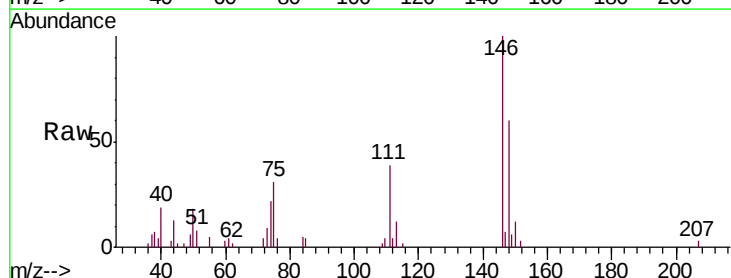
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

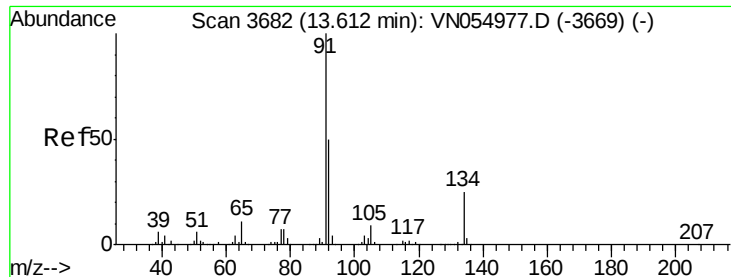
Tgt Ion:146 Resp: 15253
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.5
 148 58.5 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 1.780 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion:146 Resp: 12980
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.4 55.2
 148 59.6 32.5 97.4

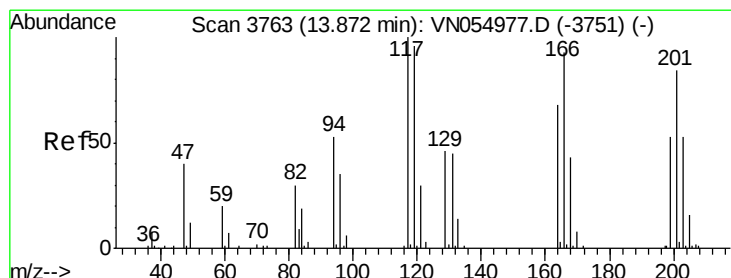
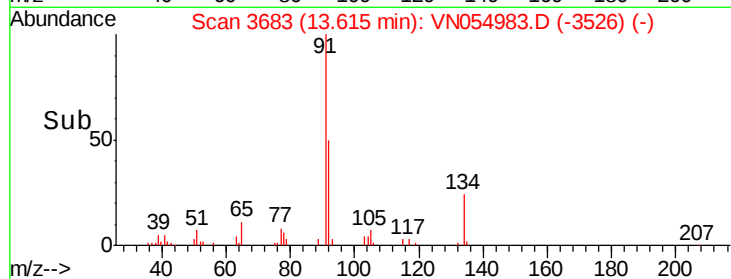
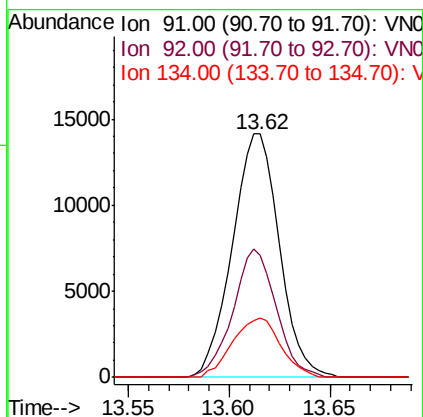
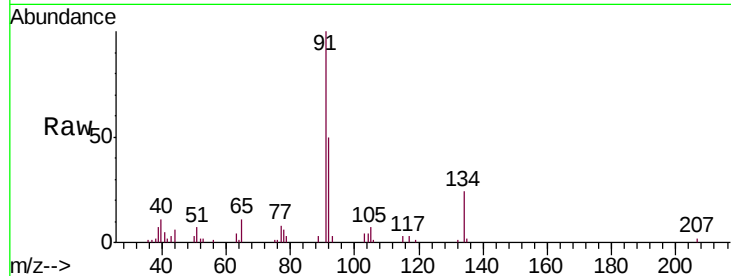




#85
n-Butylbenzene
Concen: 1.893 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

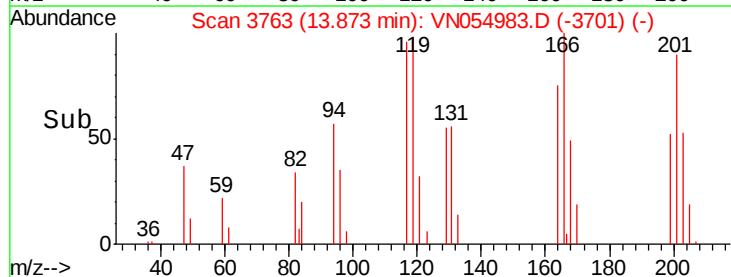
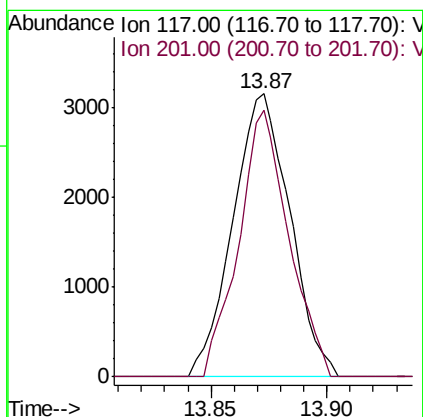
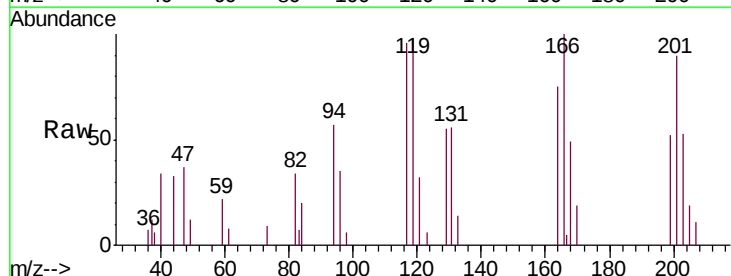
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

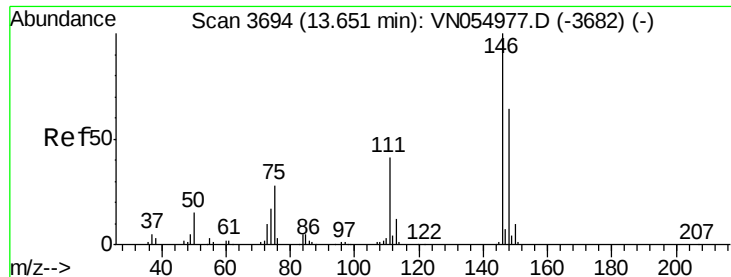
Tgt Ion: 91 Resp: 23086
Ion Ratio Lower Upper
91 100
92 48.4 0.0 101.4
134 25.0 0.0 49.8



#86
Hexachloroethane
Concen: 2.188 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 117 Resp: 5363
Ion Ratio Lower Upper
117 100
201 82.8 42.8 128.3

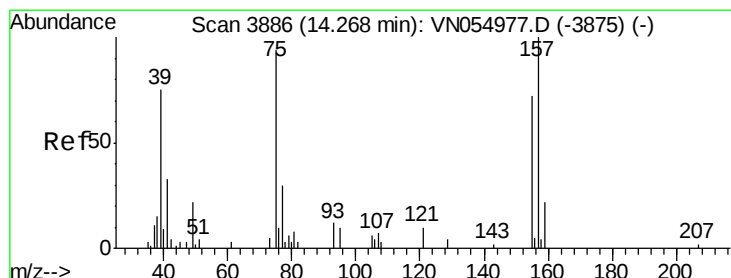
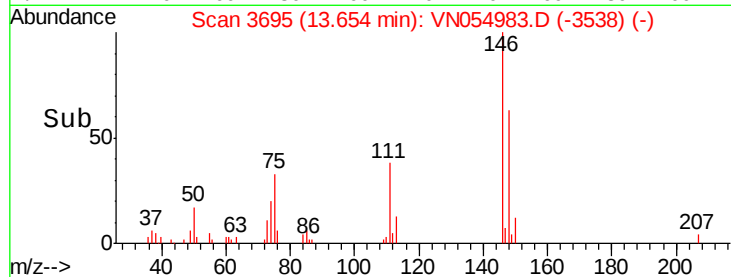
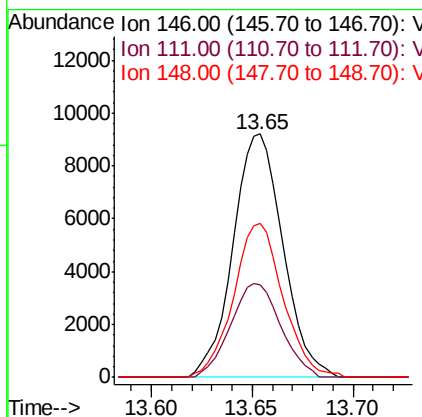
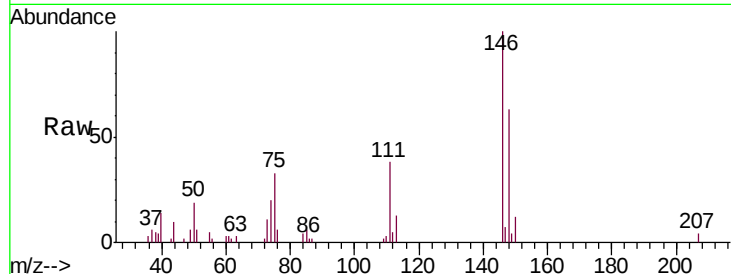




#87
 1,2-Dichlorobenzene
 Concen: 2.122 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

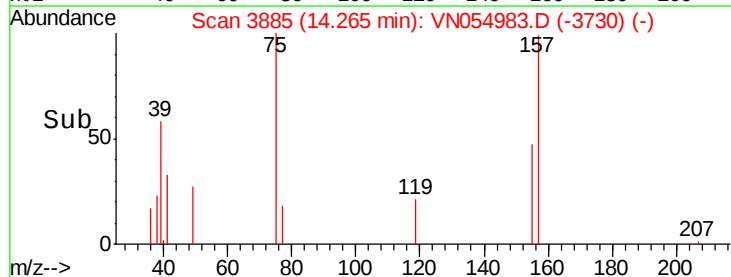
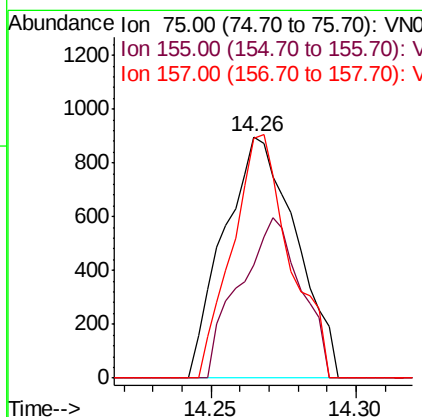
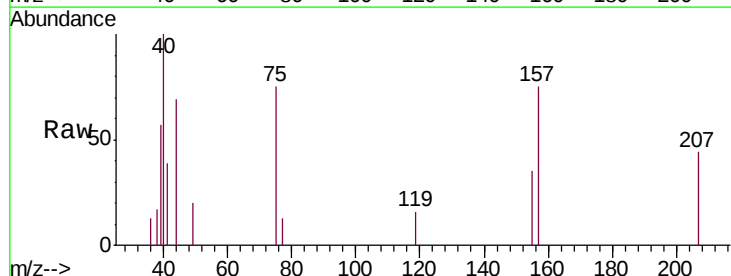
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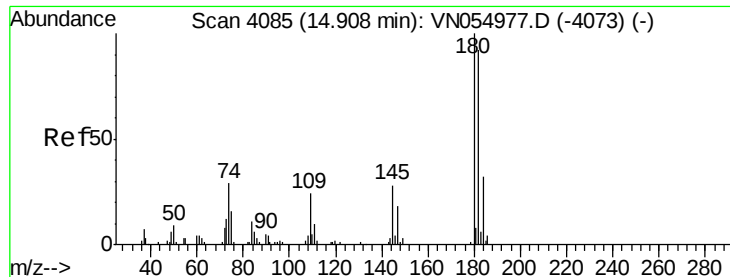
Tgt Ion: 146 Resp: 15948
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 60.8
 148 62.5 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.614 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 75 Resp: 1542
 Ion Ratio Lower Upper
 75 100
 155 56.8 61.8 92.8#
 157 80.8 82.7 124.1#

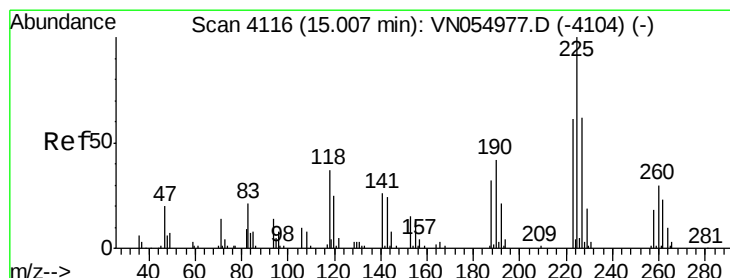
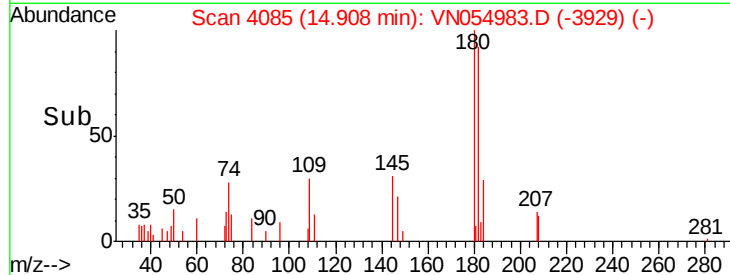
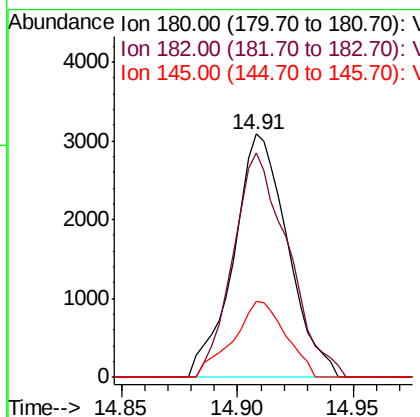
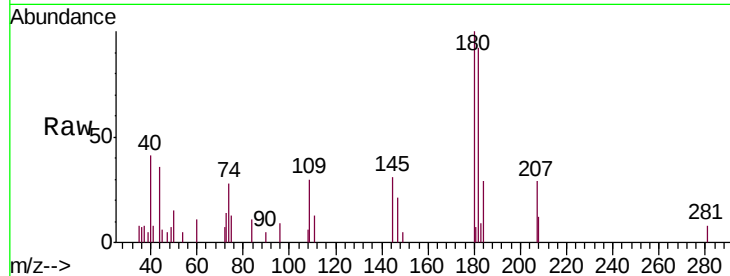




#89
 1,2,4-Trichlorobenzene
 Concen: 1.491 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

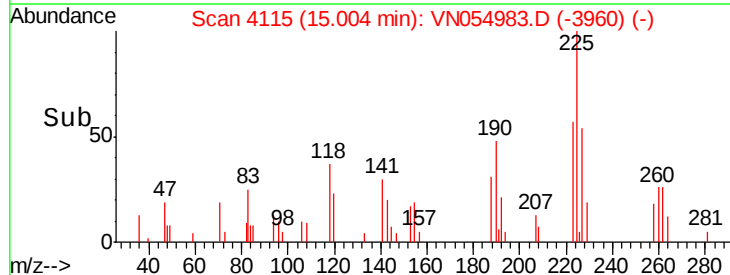
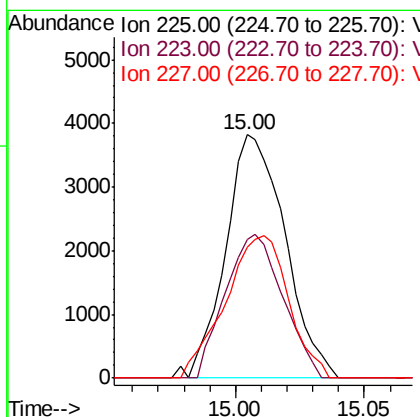
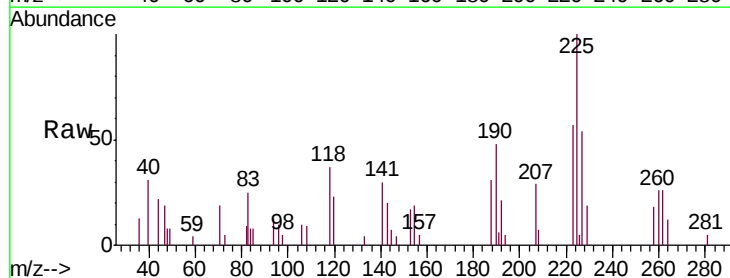
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

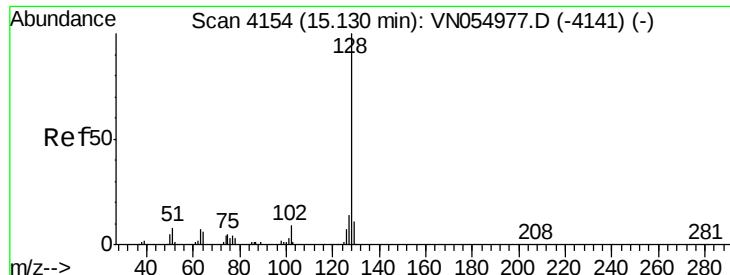
Tgt Ion:180 Resp: 5009
 Ion Ratio Lower Upper
 180 100
 182 93.6 73.2 109.8
 145 30.4 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 2.493 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN054983.D
 Acq: 11 Apr 2019 18:04

Tgt Ion:225 Resp: 6108
 Ion Ratio Lower Upper
 225 100
 223 57.2 0.0 126.0
 227 62.4 0.0 125.4

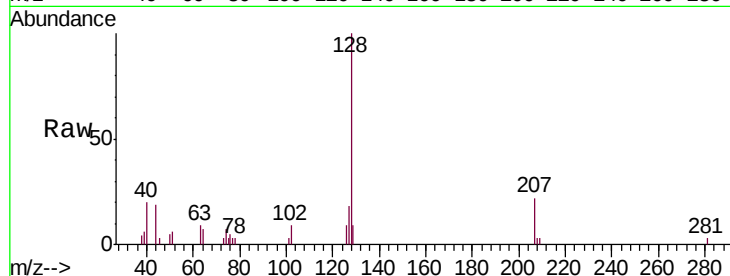




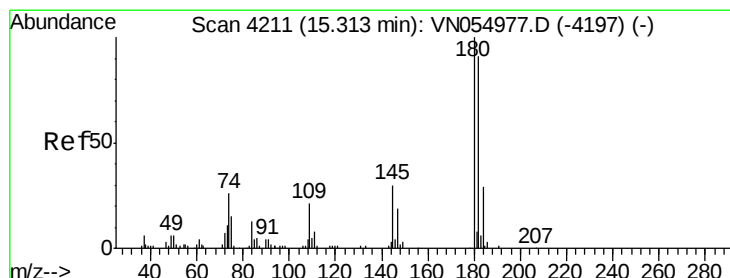
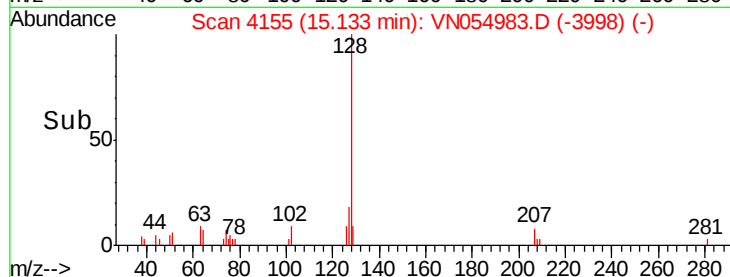
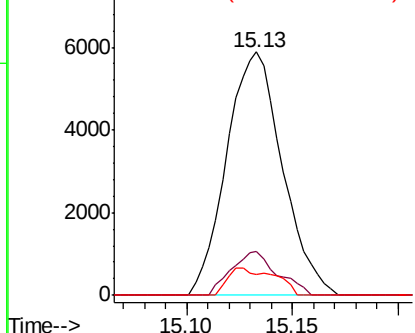
#91
Naphthalene
Concen: 1.538 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

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

Tgt Ion:128 Resp: 10818
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 5.5 9.0 13.6#

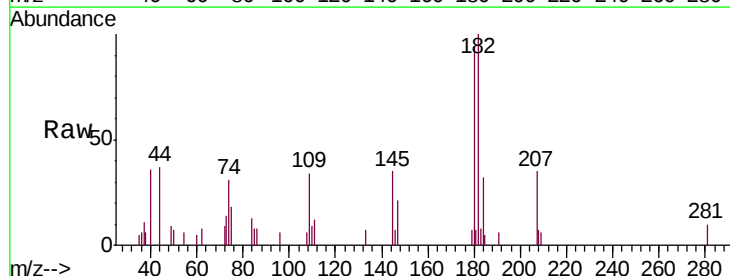


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 1.682 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054983.D
Acq: 11 Apr 2019 18:04

Tgt Ion:180 Resp: 5652
Ion Ratio Lower Upper
180 100
182 102.2 0.0 188.2
145 33.5 0.0 61.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

