

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052315.D
 Acq On : 14 Nov 2018 16:15
 Operator : MD\SY
 Sample : J5164-07 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Nov 15 04:00:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	252234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	449818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	389676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	190171	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.59	113	145653	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	548585	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.40	95	166284	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	1390	0.520	ug/l	95
3) Chloromethane	2.06	50	2140	0.576	ug/l	95
4) Vinyl Chloride	2.19	62	2003	0.624	ug/l	90
5) Bromomethane	2.58	94	1520	0.759	ug/l #	70
6) Chloroethane	2.72	64	1348	0.743	ug/l #	57
7) Trichlorofluoromethane	3.03	101	2752	0.619	ug/l	94
8) Diethyl Ether	3.42	74	377	0.223	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.77	101	1981	0.706	ug/l #	65
10) Methyl Iodide	3.95	142	1832	0.486	ug/l #	91
11) Tert butyl alcohol	4.78	59	290	1.541	ug/l #	72
12) 1,1-Dichloroethene	3.75	96	1406	0.541	ug/l	98
13) Acrolein	3.61	56	97	22.082	ug/l #	14
14) Allyl chloride	4.33	41	2110	0.396	ug/l #	80
15) Acrylonitrile	5.00	53	3112	2.897	ug/l #	58
16) Acetone	3.82	43	3417	3.484	ug/l	98
17) Carbon Disulfide	4.06	76	4905	0.659	ug/l	96
18) Methyl Acetate	4.33	43	1412	0.941	ug/l #	85
19) Methyl tert-butyl Ether	5.04	73	1978	0.265	ug/l #	69
20) Methylene Chloride	4.55	84	2980	0.303	ug/l #	87
21) trans-1,2-Dichloroethene	5.04	96	855	0.306	ug/l #	52
22) Diisopropyl ether	5.95	45	6318	0.581	ug/l #	87
23) Vinyl Acetate	5.90	43	7283	0.987	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	3200	0.549	ug/l #	85
25) 2-Butanone	6.85	43	4114	2.980	ug/l	98
26) 2,2-Dichloropropane	6.82	77	1453	0.339	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	836	0.257	ug/l #	1
28) Bromochloromethane	7.19	49	894	0.298	ug/l #	99
29) Tetrahydrofuran	7.23	42	2918	3.217	ug/l #	82
30) Chloroform	7.37	83	11942	2.148	ug/l	85
31) Cyclohexane	7.67	56	10191	0.839	ug/l #	42
32) 1,1,1-Trichloroethane	7.57	97	2392	0.505	ug/l #	43
36) 1,1-Dichloropropene	7.79	75	2492	0.553	ug/l	97
37) Ethyl Acetate	6.93	43	446	0.136	ug/l #	80
38) Carbon Tetrachloride	7.78	117	2118	0.511	ug/l	93

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

39) Methylcyclohexane	9.08	83	3127	0.608	ug/l #	82
40) Benzene	8.04	78	7250	0.563	ug/l	97
41) Methacrylonitrile	7.17	41	1047	4.229	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	2688	0.585	ug/l #	78
43) Isopropyl Acetate	8.18	43	3614	0.572	ug/l #	67
44) Trichloroethene	8.84	130	1879	0.592	ug/l	76
45) 1,2-Dichloropropane	9.11	63	2010	0.550	ug/l	90
46) Dibromomethane	9.21	93	1262	0.596	ug/l #	74
47) Bromodichloromethane	9.40	83	3635	0.837	ug/l #	87
48) Methyl methacrylate	9.20	41	1090	0.340	ug/l #	77
49) 1,4-Dioxane	9.21	88	294	11.954	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	7286	2.292	ug/l	93
52) Toluene	10.16	92	4170	0.541	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	2050	0.468	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2404	0.482	ug/l	90
55) 1,1,2-Trichloroethane	10.57	97	1817	0.651	ug/l #	81
56) Ethyl methacrylate	10.44	69	909	0.247	ug/l #	52
57) 1,3-Dichloropropane	10.71	76	2542	0.514	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	4709	2.252	ug/l	94
59) 2-Hexanone	10.75	43	5368	2.456	ug/l	98
60) Dibromochloromethane	10.90	129	1605	0.531	ug/l	84
61) 1,2-Dibromoethane	11.01	107	1409	0.506	ug/l	97
64) Tetrachloroethene	10.63	164	1620	0.585	ug/l	88
65) Chlorobenzene	11.43	112	4408	0.535	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	1597	0.569	ug/l #	60
67) Ethyl Benzene	11.51	91	7390	0.517	ug/l	96
68) m/p-Xylenes	11.62	106	5311	1.017	ug/l	91
69) o-Xylene	11.95	106	2477	0.495	ug/l	88
70) Styrene	11.96	104	3755	0.468	ug/l	96
71) Bromoform	12.12	173	648	0.391	ug/l #	27
73) Isopropylbenzene	12.25	105	5945	0.518	ug/l	100
74) N-amyl acetate	12.07	43	1691	0.413	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.51	83	1913	0.689	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	91142	37.600	ug/l #	100
77) Bromobenzene	12.53	156	1752	0.656	ug/l	99
78) n-propylbenzene	12.59	91	6862	0.511	ug/l	99
79) 2-Chlorotoluene	12.67	91	4906	0.625	ug/l	90
80) 1,3,5-Trimethylbenzene	12.73	105	5106	0.559	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	91142	121.950	ug/l #	5
82) 4-Chlorotoluene	12.77	91	4620	0.575	ug/l	92
83) tert-Butylbenzene	12.99	119	4762	0.591	ug/l	89
84) 1,2,4-Trimethylbenzene	13.04	105	4744	0.517	ug/l	97
85) sec-Butylbenzene	13.17	105	5216	0.475	ug/l	98
86) p-Isopropyltoluene	13.29	119	4357	0.468	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2524	0.532	ug/l	83
88) 1,4-Dichlorobenzene	13.28	146	2524	0.535	ug/l	85
89) n-Butylbenzene	13.61	91	3977	0.498	ug/l	96
90) Hexachloroethane	13.87	117	799	0.485	ug/l	73
91) 1,2-Dichlorobenzene	13.65	146	2378	0.517	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.44	75	106	0.259	ug/l #	3

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

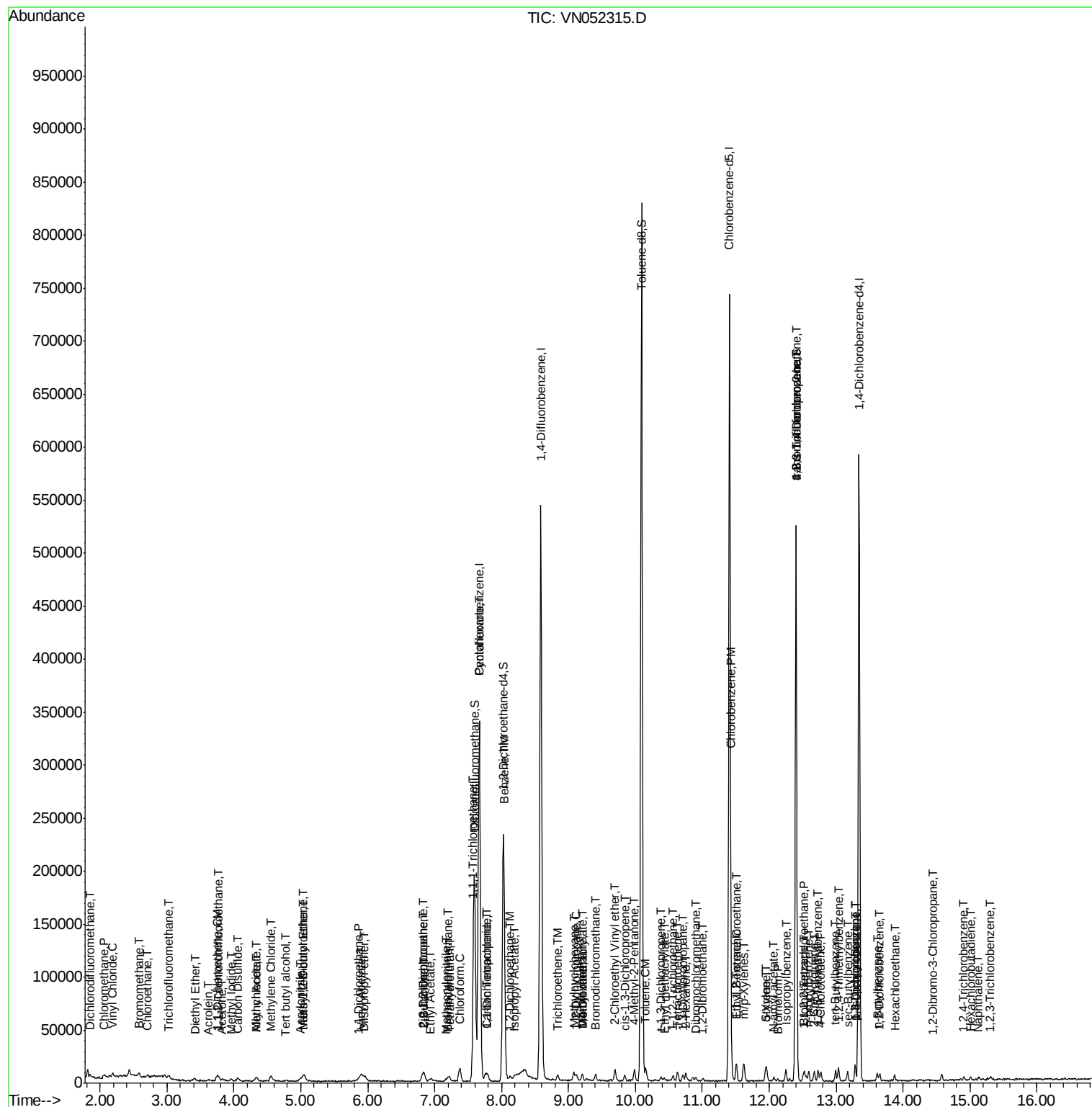
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	866	2.643	ug/l	94
94) Hexachlorobutadiene	15.01	225	690	0.656	ug/l #	60
95) Naphthalene	15.13	128	1851	2.951	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.31	180	721	0.413	ug/l	77

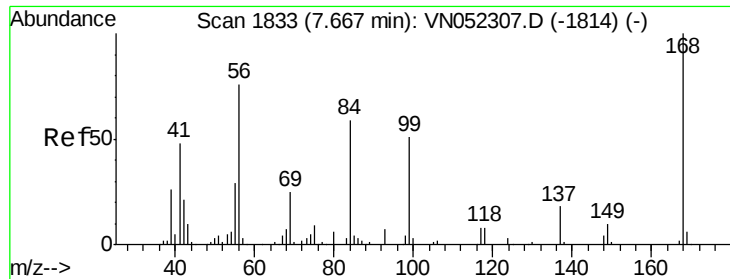
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111418\
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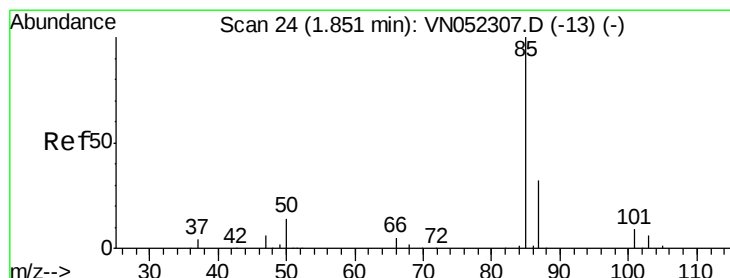
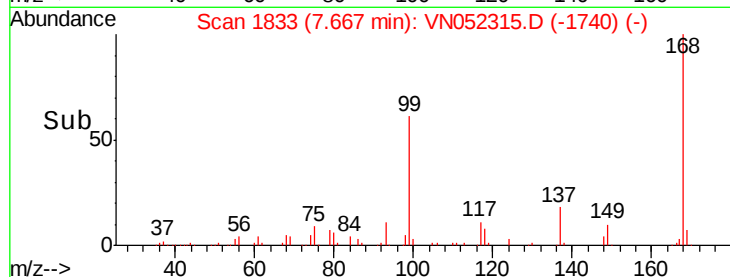
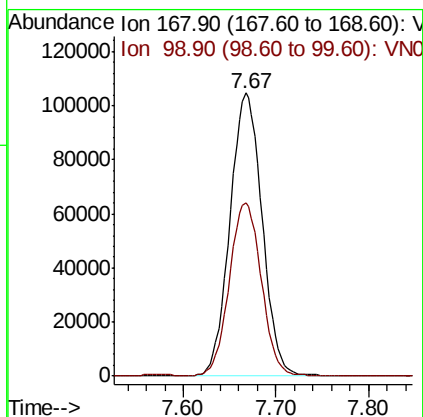
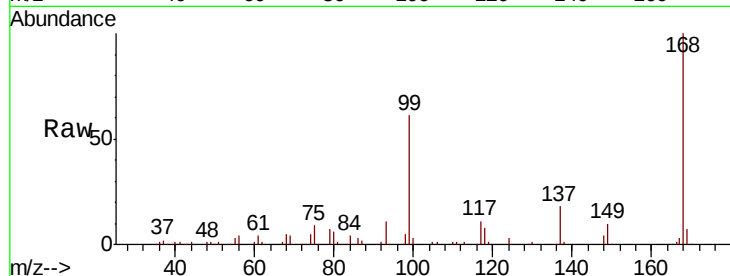




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052315.D
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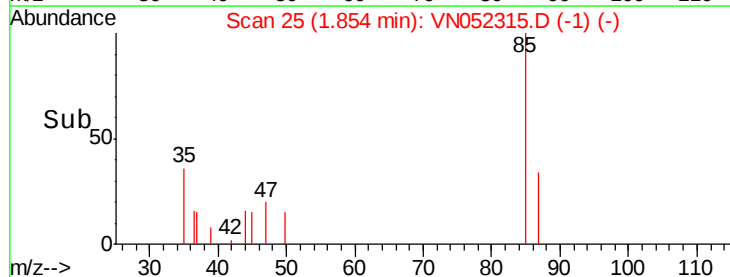
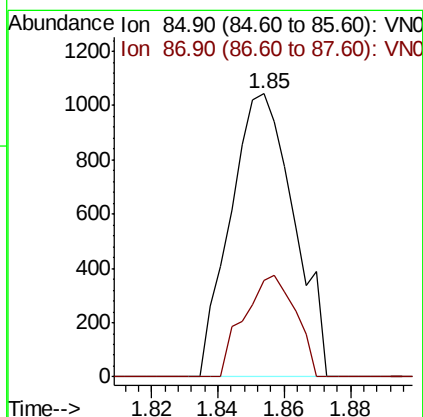
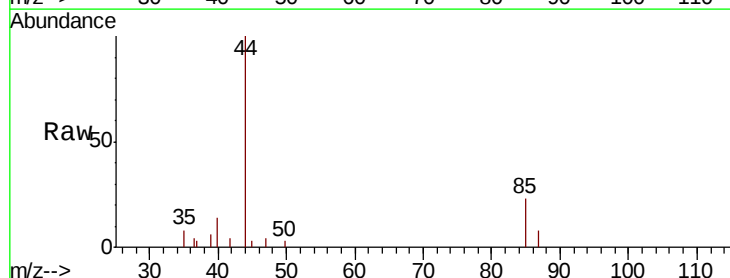
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MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

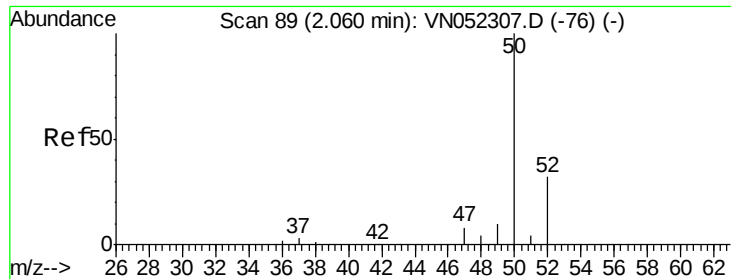
Tot Ion:168 Resp: 252234
Ion Ratio Lower Upper
168 100
99 61.1 47.9 71.9



#2
Dichlorodifluoromethane
Concen: 0.520 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 85 Resp: 1390
Ion Ratio Lower Upper
85 100
87 34.2 15.9 47.6

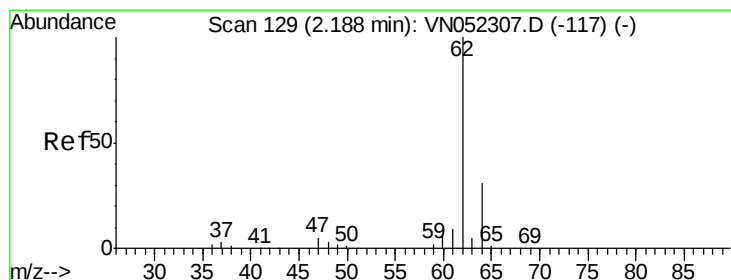
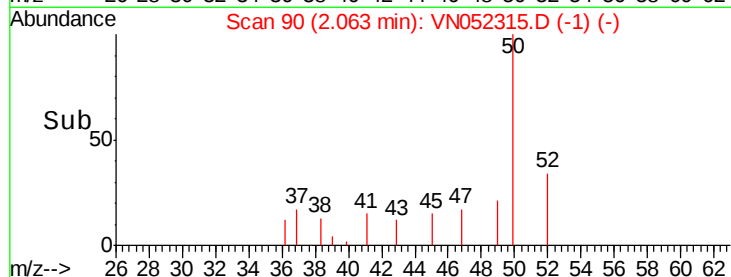
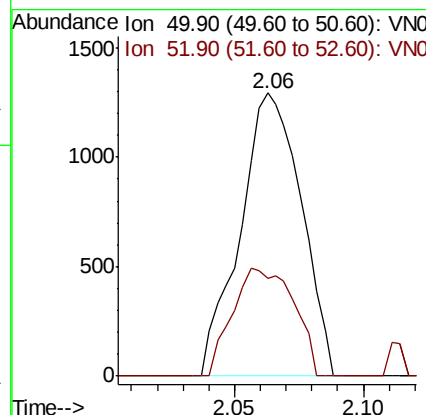
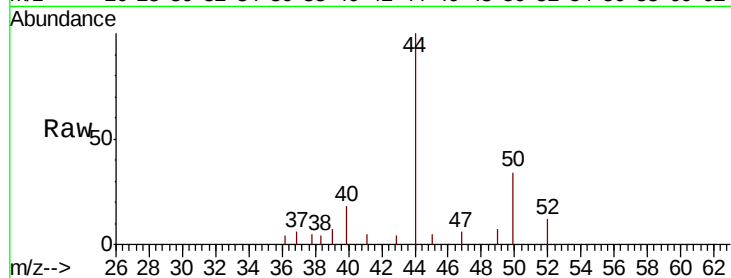




#3
 Chloromethane
 Concen: 0.576 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

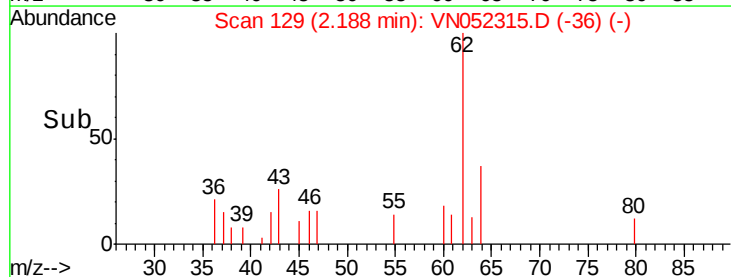
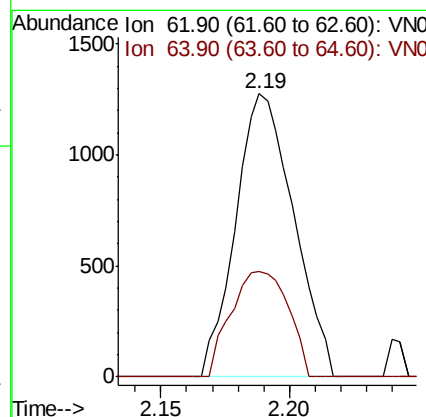
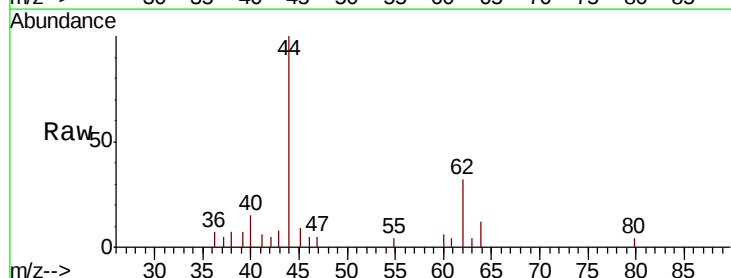
Instrument :
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 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

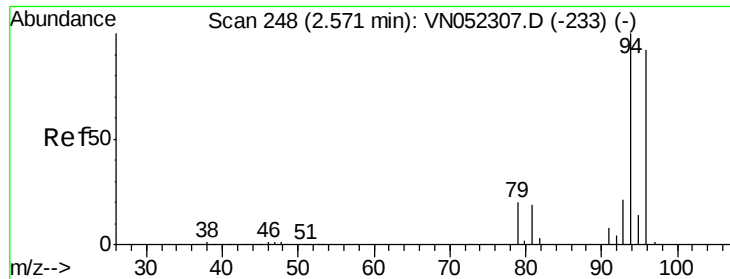
Tot Ion: 50 Resp: 2140
 Ion Ratio Lower Upper
 50 100
 52 34.5 25.5 38.3



#4
 Vinyl Chloride
 Concen: 0.624 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 62 Resp: 2003
 Ion Ratio Lower Upper
 62 100
 64 37.3 25.2 37.8





#5

Bromomethane

Concen: 0.759 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

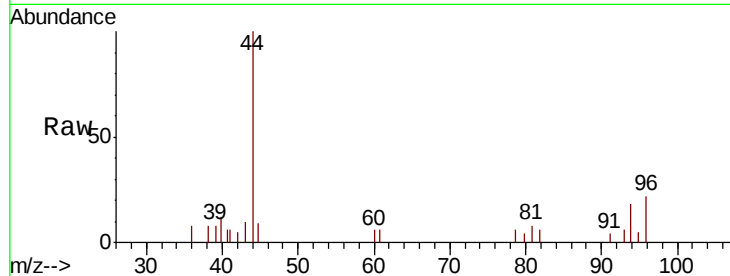
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 94 Resp: 1520

Ion Ratio Lower Upper

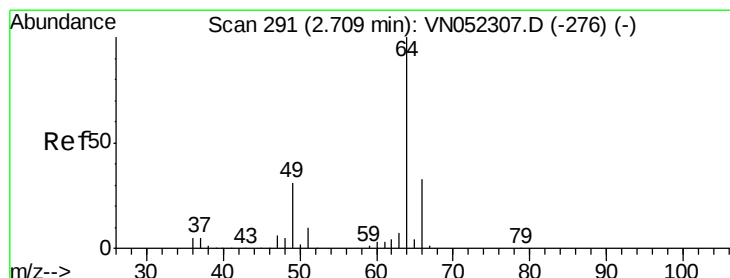
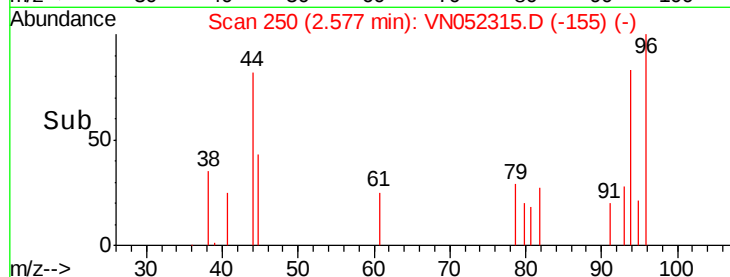
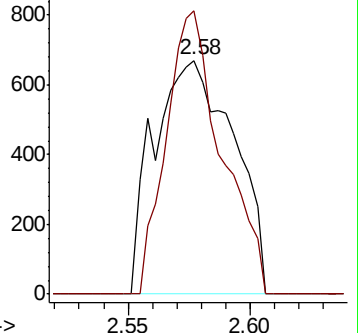
94 100

96 121.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.743 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN052315.D

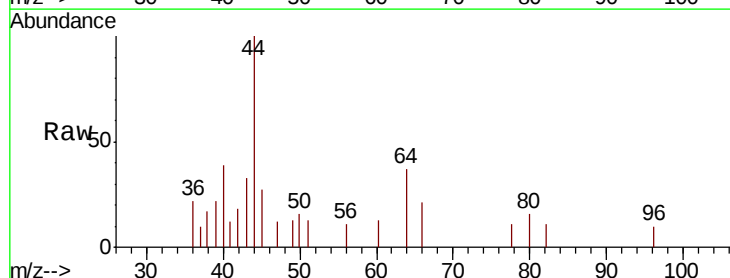
Acq: 14 Nov 2018 16:15

Tgt Ion: 64 Resp: 1348

Ion Ratio Lower Upper

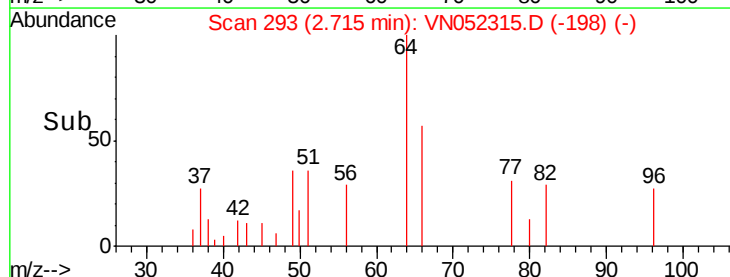
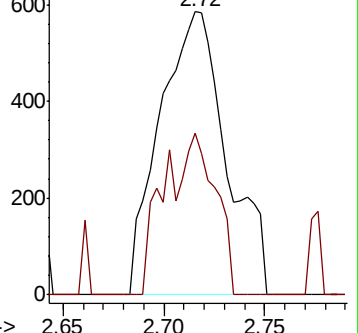
64 100

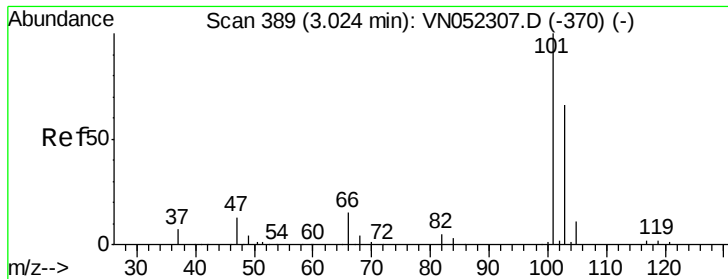
66 56.9 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



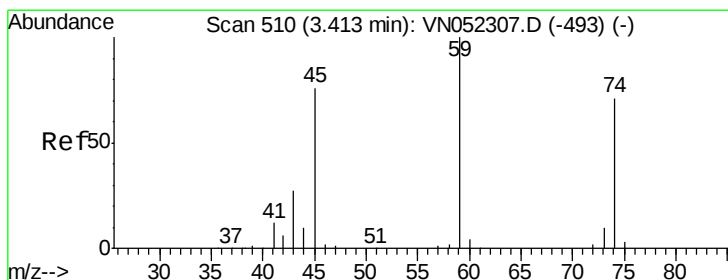
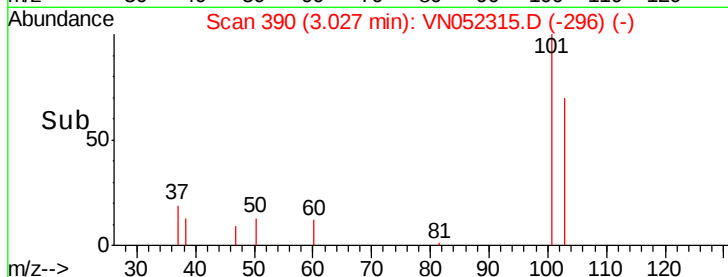
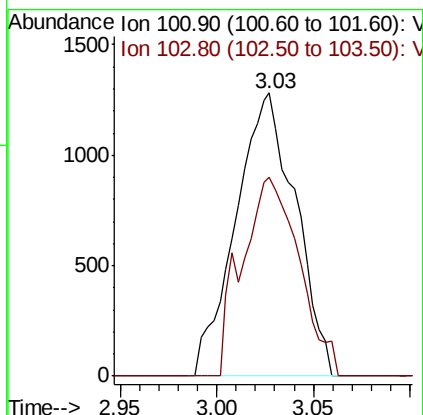
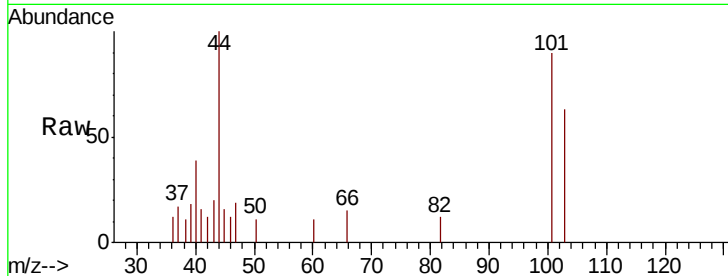


#7

Trichlorofluoromethane
Concen: 0.619 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
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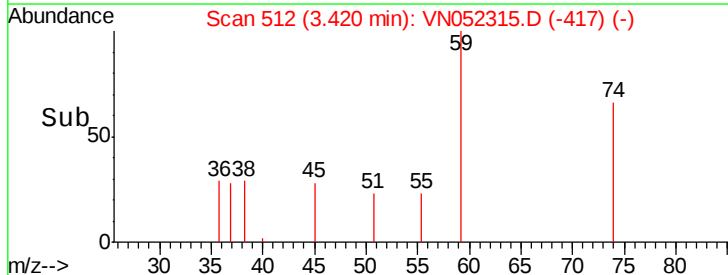
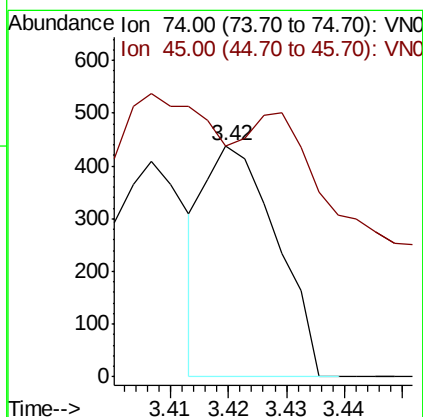
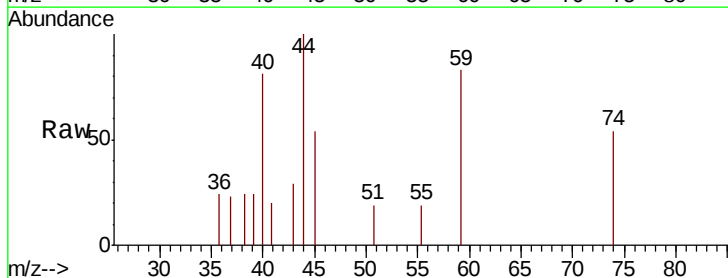
Tot Ion:101 Resp: 2752
Ion Ratio Lower Upper
101 100
103 70.5 52.8 79.2

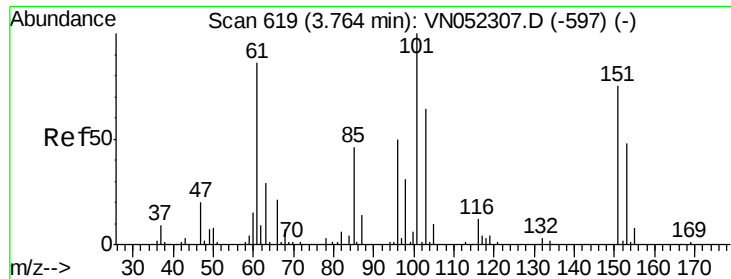


#8

Diethyl Ether
Concen: 0.223 ug/l
RT: 3.42 min Scan# 512
Delta R.T. 0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 74 Resp: 377
Ion Ratio Lower Upper
74 100
45 0.0 54.3 162.9#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.706 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

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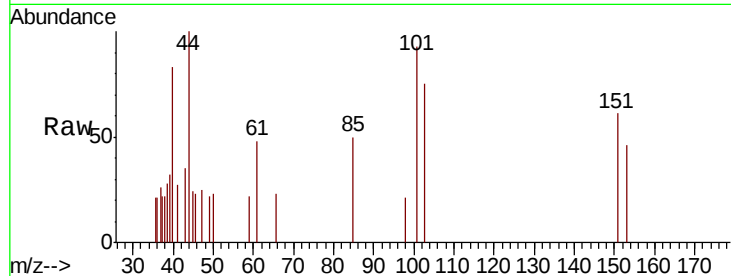
Tot Ion:101 Resp: 1981

Ion Ratio Lower Upper

101 100

85 29.5 37.4 56.0#

151 38.6 58.6 88.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

3.77

800

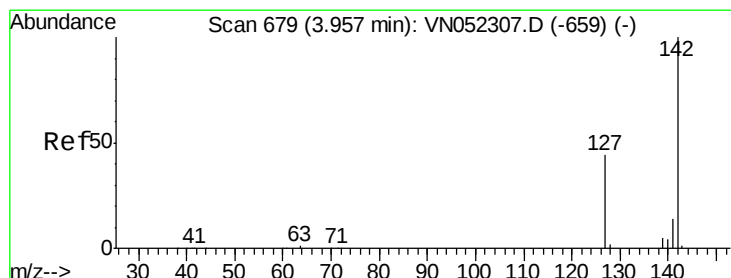
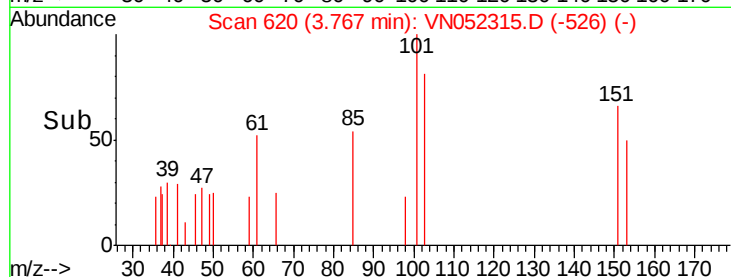
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 0.486 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

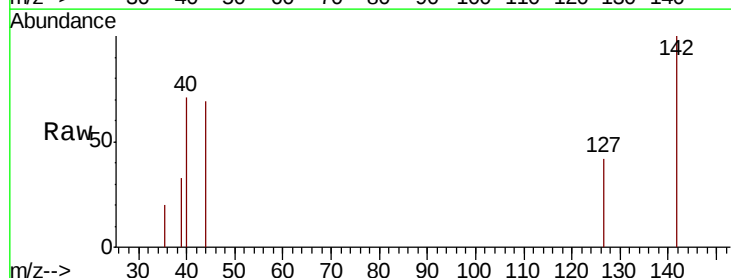
Tgt Ion:142 Resp: 1832

Ion Ratio Lower Upper

142 100

127 45.3 36.3 54.5

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1000

800

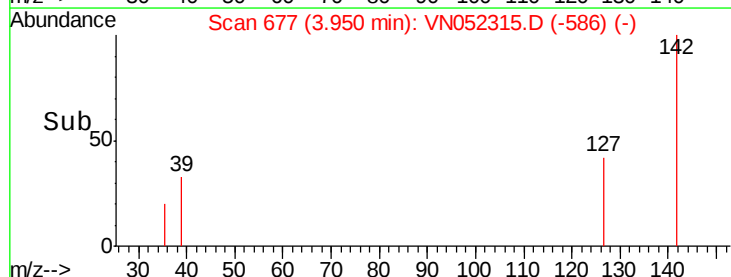
600

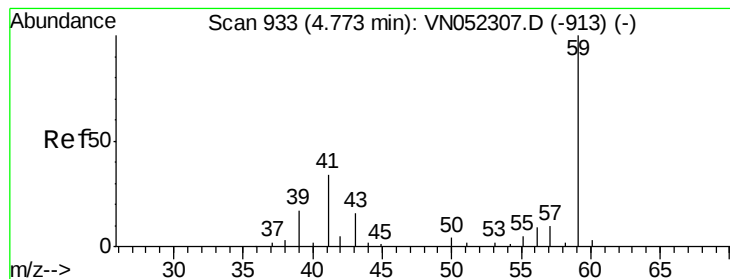
400

200

0

Time-->



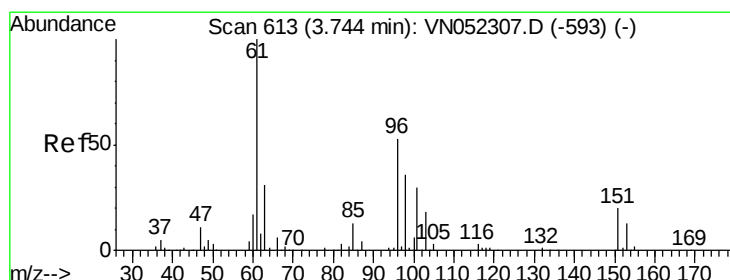
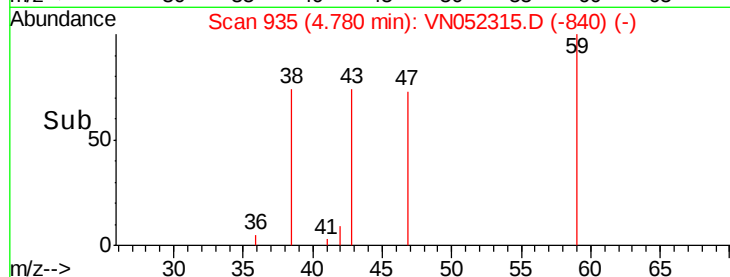
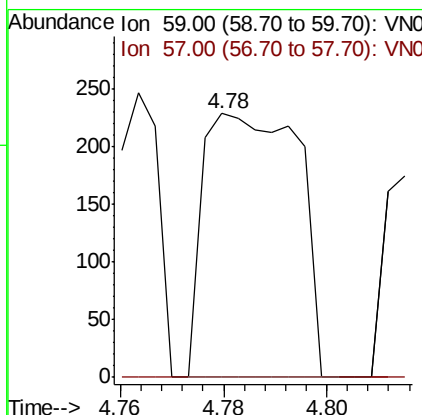
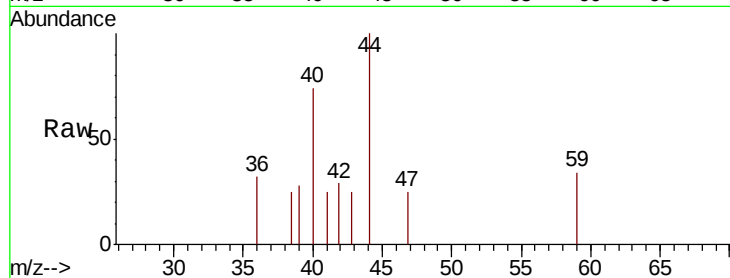


#11

Tert butyl alcohol
 Concen: 1.541 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

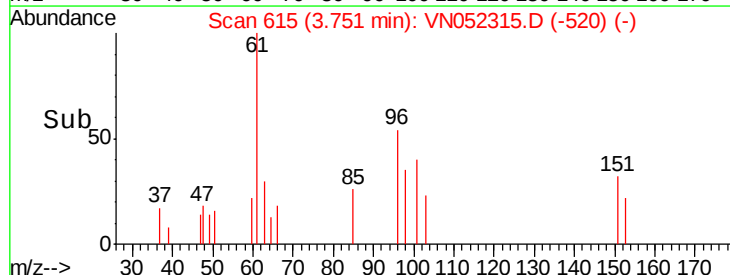
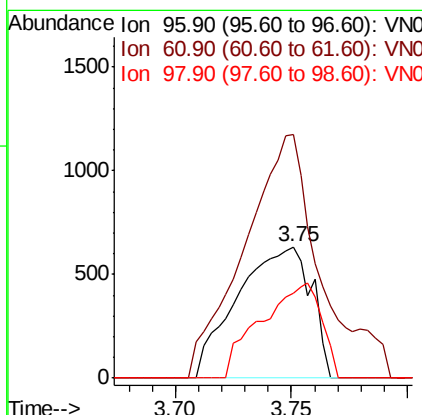
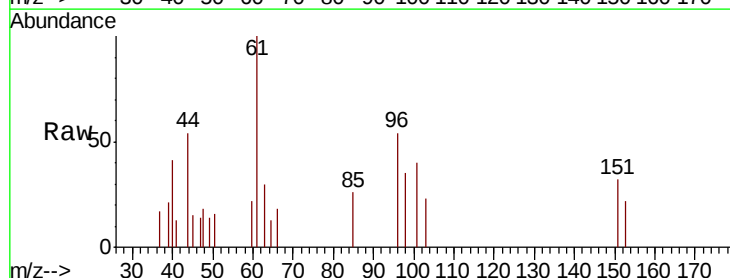
Tot Ion: 59 Resp: 290
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

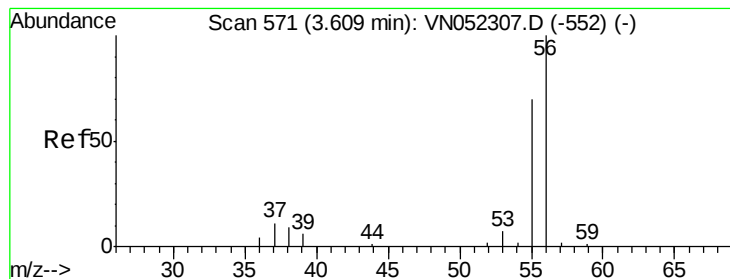


#12

1,1-Dichloroethene
 Concen: 0.541 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 96 Resp: 1406
 Ion Ratio Lower Upper
 96 100
 61 185.5 149.6 224.4
 98 64.3 54.2 81.2





#13

Acrolein

Concen: 22.082 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

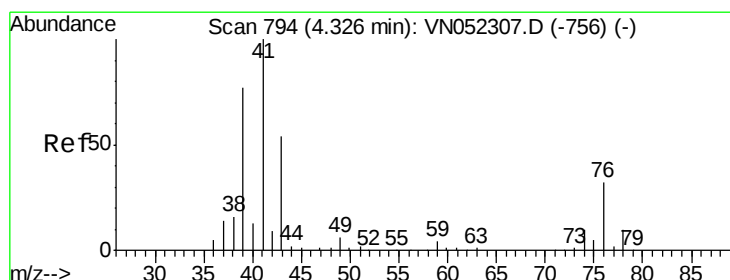
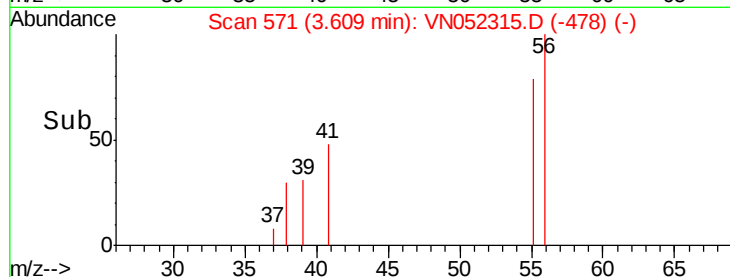
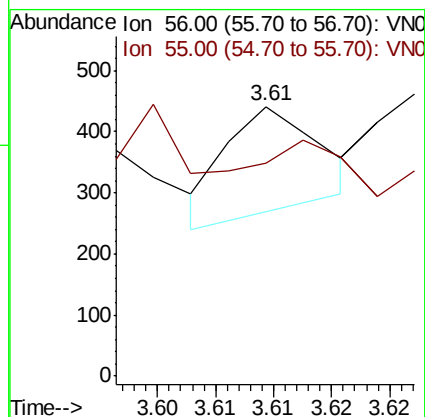
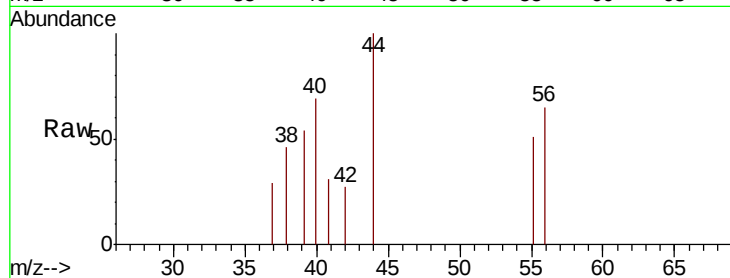
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#14

Allyl chloride

Concen: 0.396 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

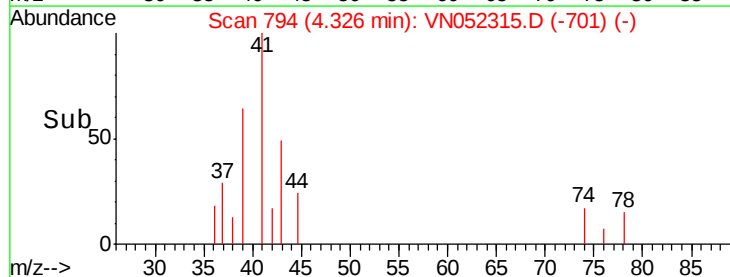
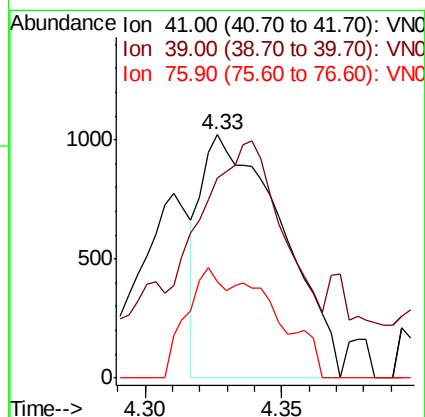
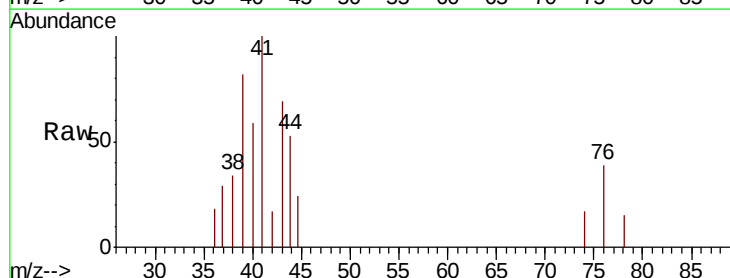
Tgt Ion: 41 Resp: 2110

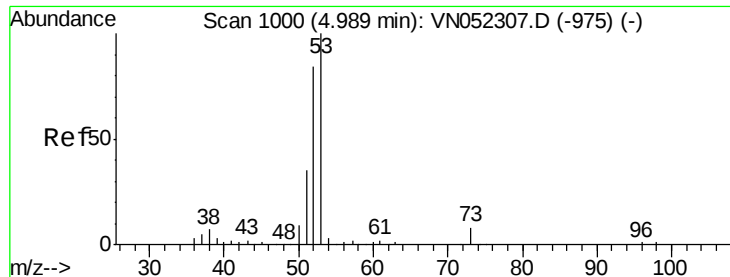
Ion Ratio Lower Upper

41 100

39 92.2 59.1 88.7#

76 21.4 24.1 36.1#





#15

Acrylonitrile

Concen: 2.897 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

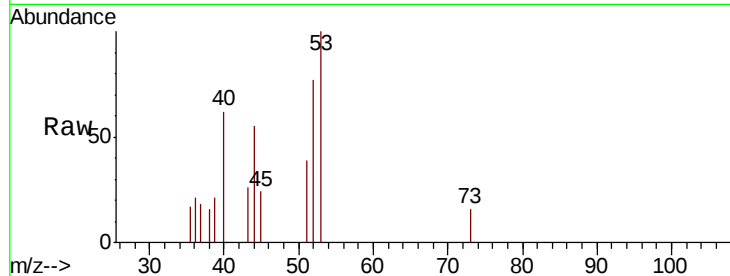
Tot Ion: 53 Resp: 3112

Ion Ratio Lower Upper

53 100

52 36.4 67.5 101.3#

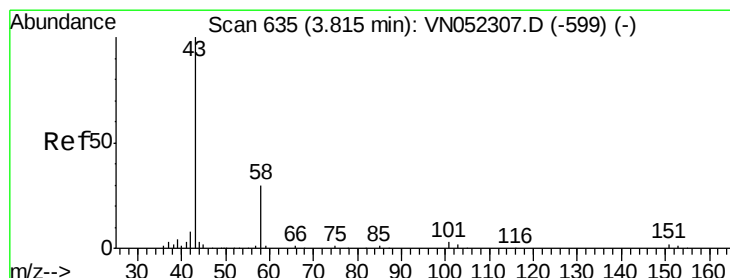
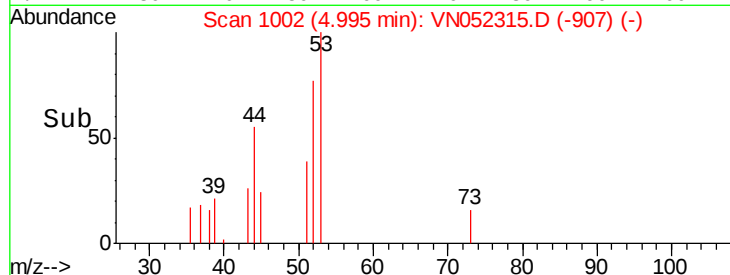
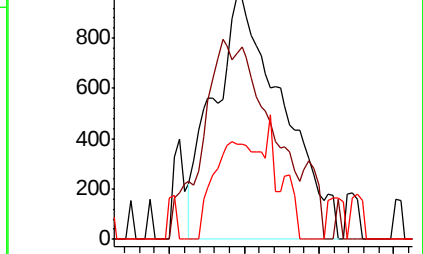
51 25.9 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VN052315.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052315.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052315.D (-907) (-)



#16

Acetone

Concen: 3.484 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052315.D

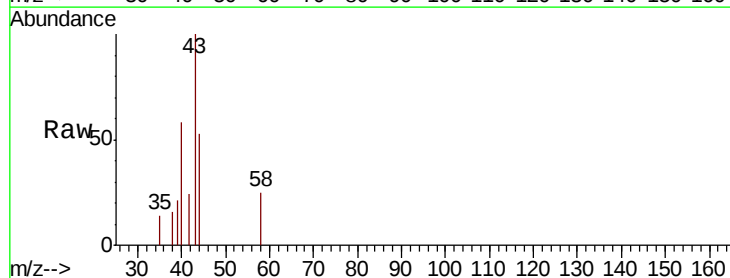
Acq: 14 Nov 2018 16:15

Tgt Ion: 43 Resp: 3417

Ion Ratio Lower Upper

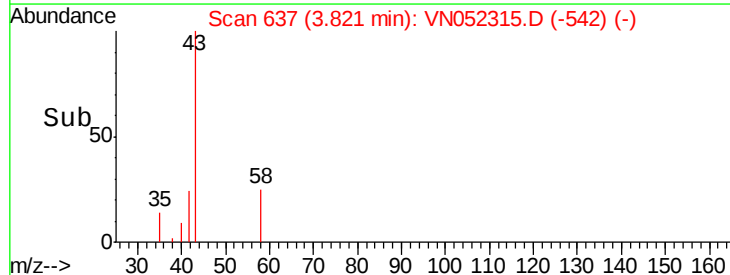
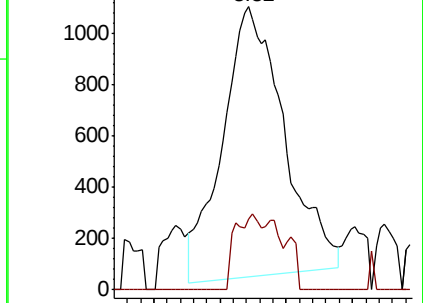
43 100

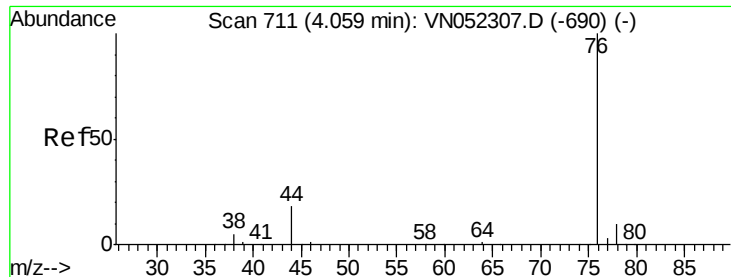
58 29.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052315.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052315.D (-542) (-)

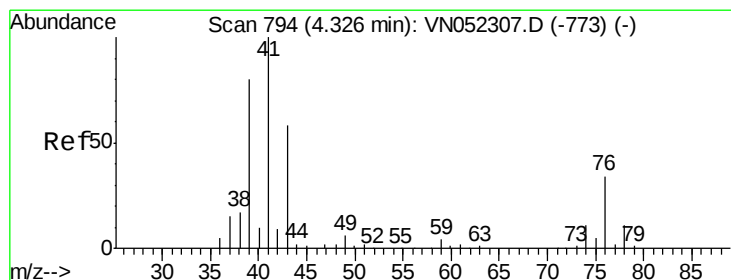
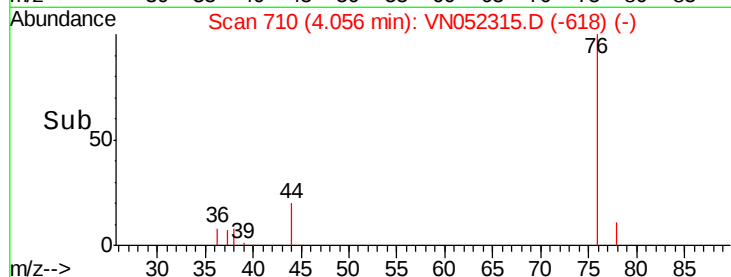
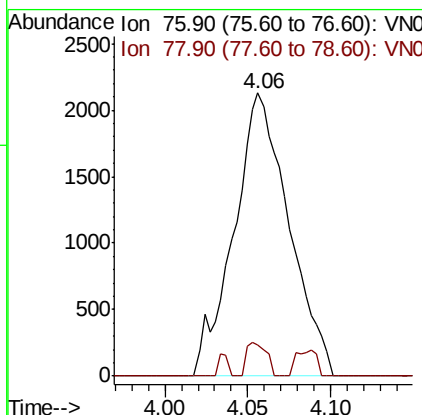
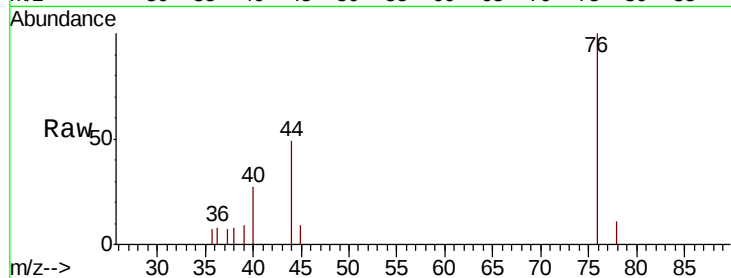




#17
Carbon Disulfide
Concen: 0.659 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

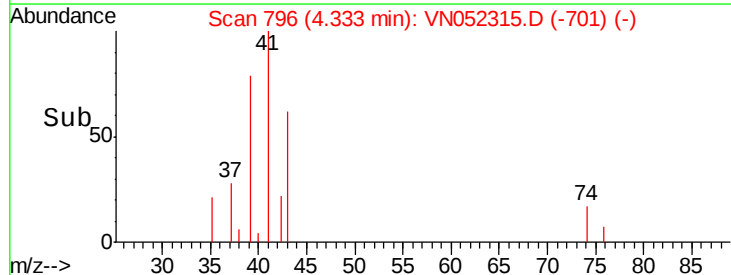
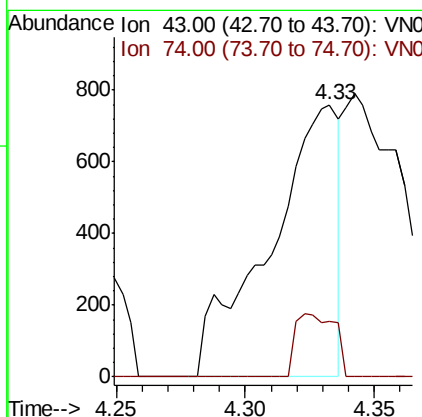
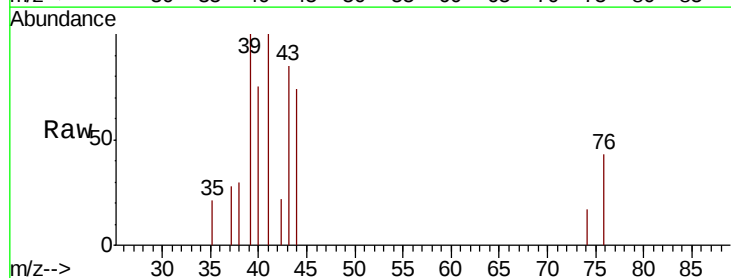
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

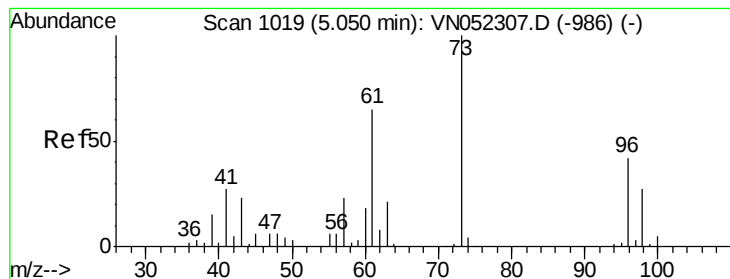
Tot Ion: 76 Resp: 4905
Ion Ratio Lower Upper
76 100
78 11.0 7.7 11.5



#18
Methyl Acetate
Concen: 0.941 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 13.2 15.9 23.9#





#19

Methyl tert-butyl Ether

Concen: 0.265 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

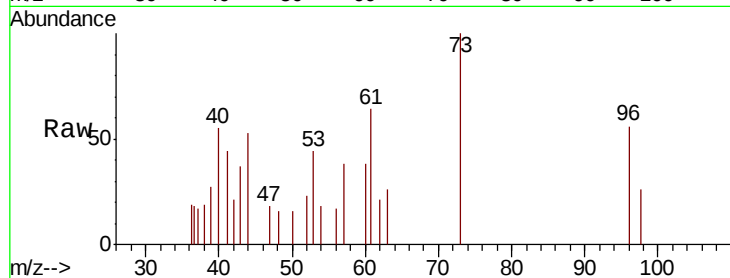
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 73 Resp: 1978

Ion Ratio Lower Upper

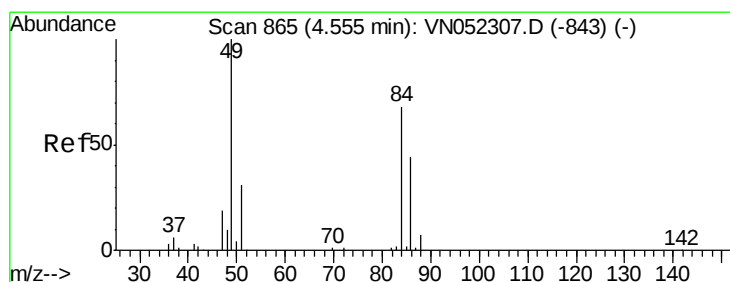
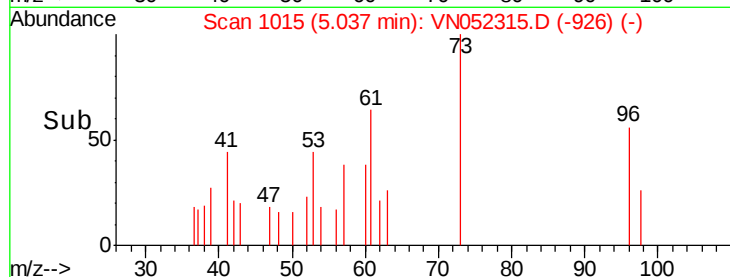
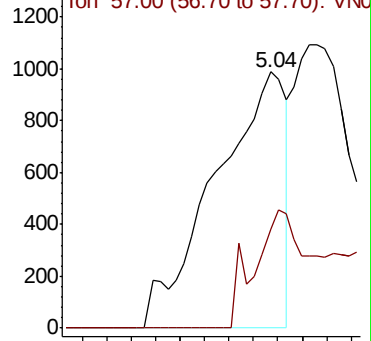
73 100

57 38.4 18.7 28.1#



Abundance Ion 73.00 (72.70 to 73.70): VN052307.D (-986) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-986) (-)



#20

Methylene Chloride

Concen: 0.303 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Tgt Ion: 84 Resp: 2980

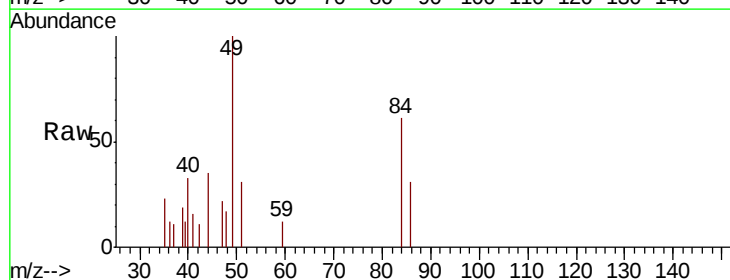
Ion Ratio Lower Upper

84 100

49 162.6 118.2 177.2

51 50.2 36.1 54.1

86 49.7 51.6 77.4#

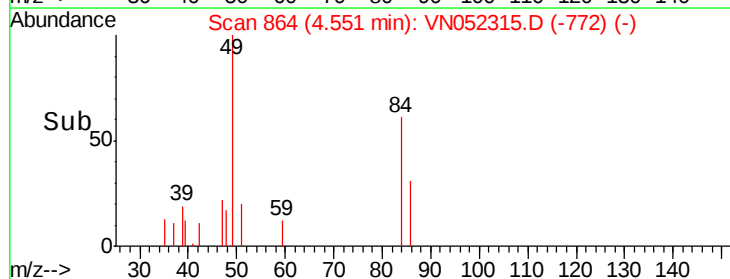
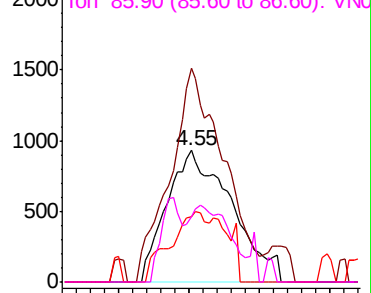


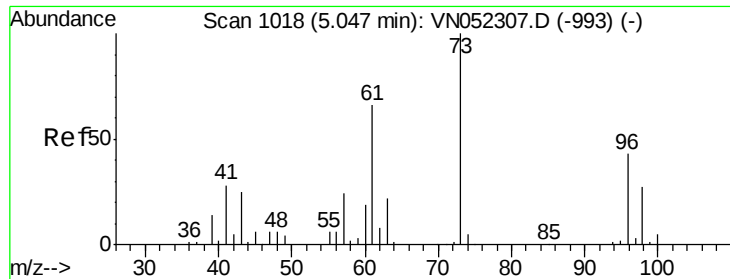
Abundance Ion 83.90 (83.60 to 84.60): VN052307.D (-843) (-)

Ion 48.90 (48.60 to 49.60): VN052307.D (-843) (-)

Ion 50.90 (50.60 to 51.60): VN052307.D (-843) (-)

Ion 85.90 (85.60 to 86.60): VN052307.D (-843) (-)

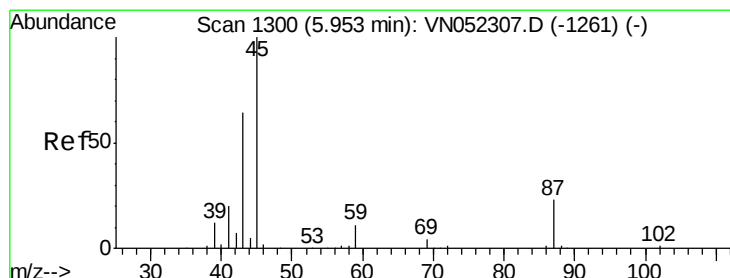
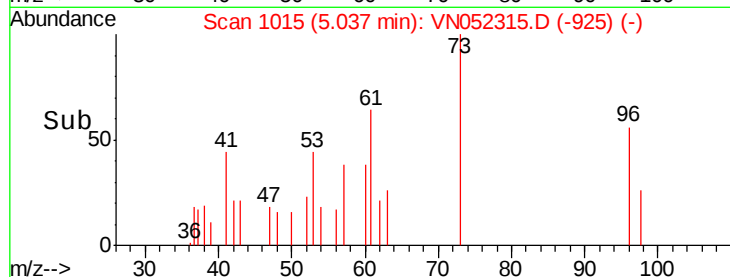
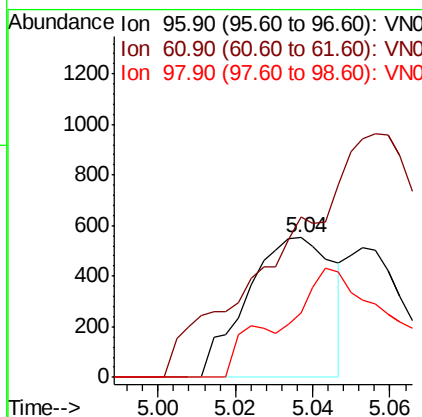
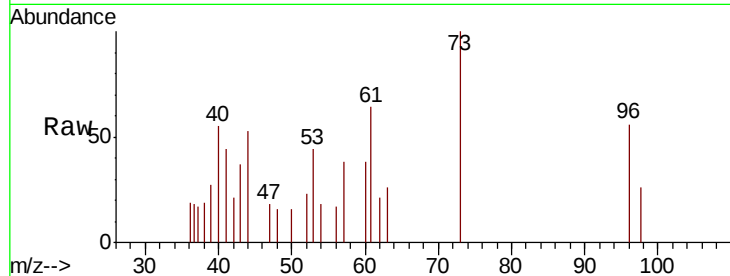




#21
trans-1,2-Dichloroethene
Concen: 0.306 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

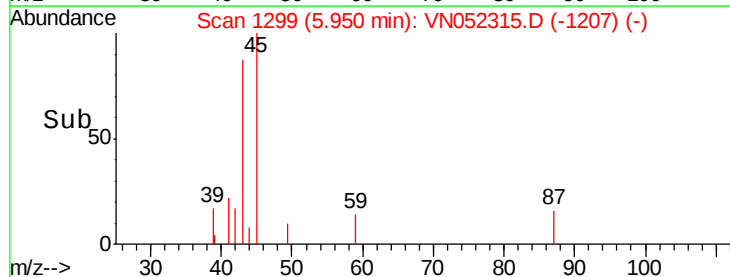
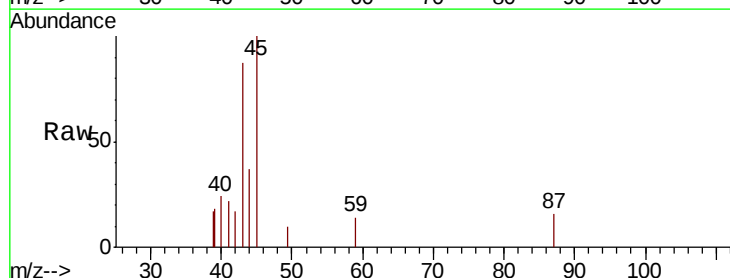
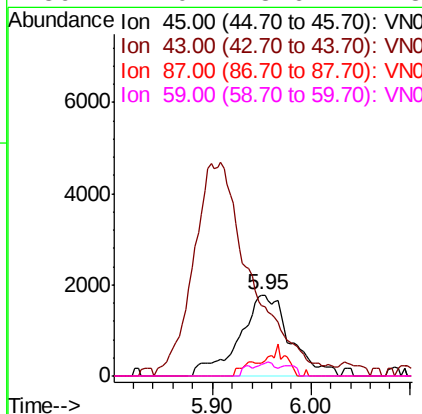
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

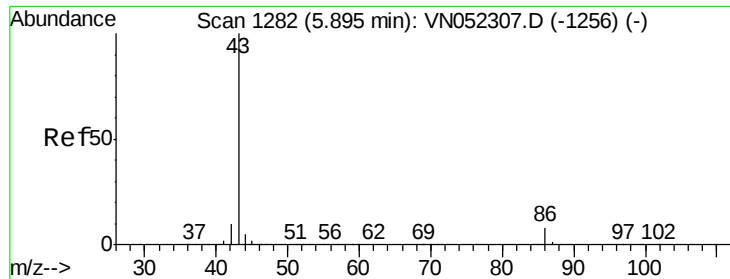
Tot Ion: 96 Resp: 855
Ion Ratio Lower Upper
96 100
61 79.0 123.6 185.4#
98 46.1 50.7 76.1#



#22
Diisopropyl ether
Concen: 0.581 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 45 Resp: 6318
Ion Ratio Lower Upper
45 100
43 74.8 51.4 77.2
87 15.9 18.8 28.2#
59 14.0 8.6 12.8#

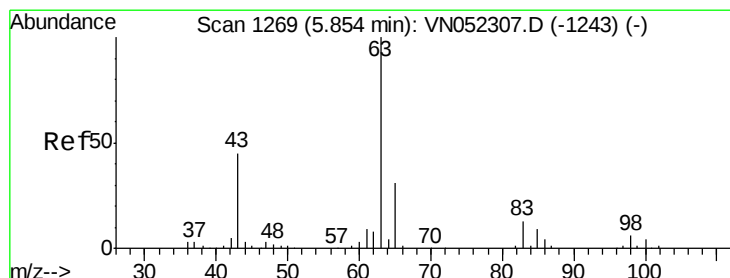
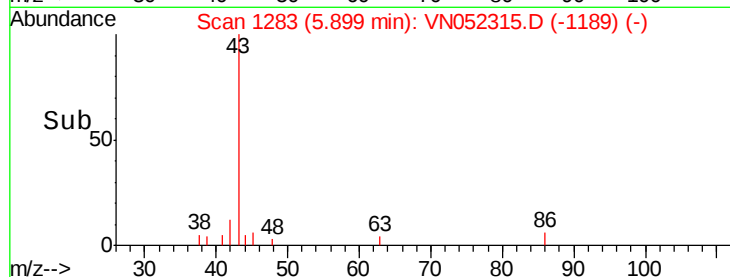
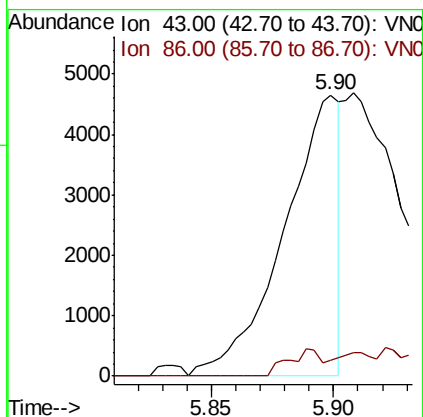
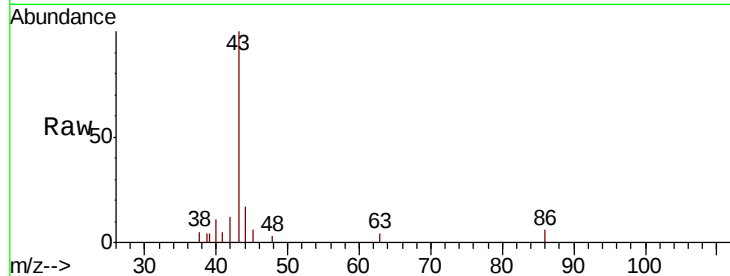




#23
 Vinyl Acetate
 Concen: 0.987 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

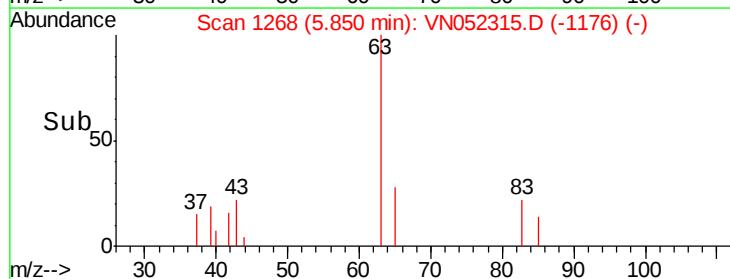
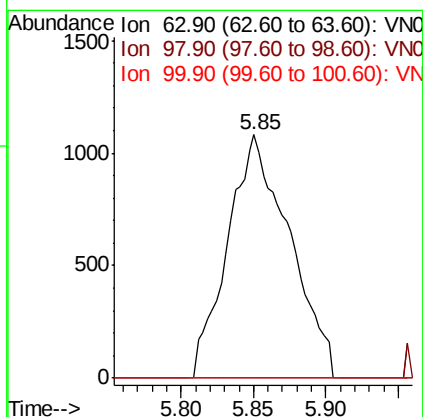
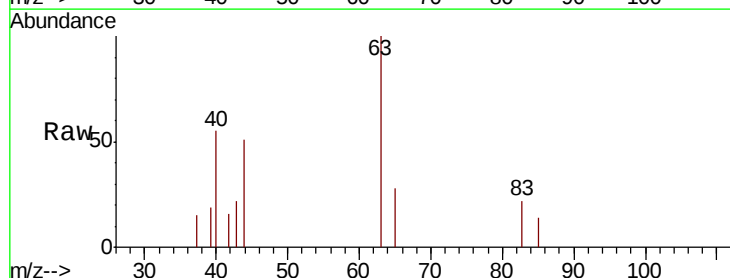
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

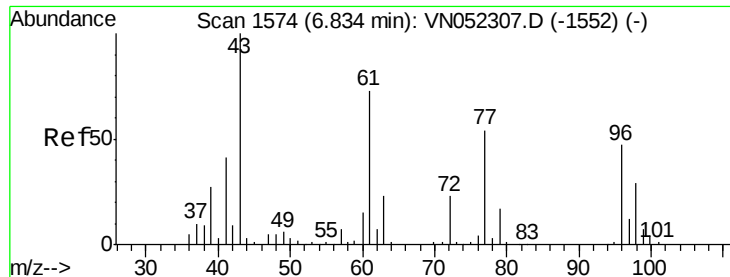
Tot Ion: 43 Resp: 7283
 Ion Ratio Lower Upper
 43 100
 86 5.6 6.5 9.7#



#24
 1,1-Dichloroethane
 Concen: 0.549 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 63 Resp: 3200
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.6#
 100 0.0 1.9 5.7#

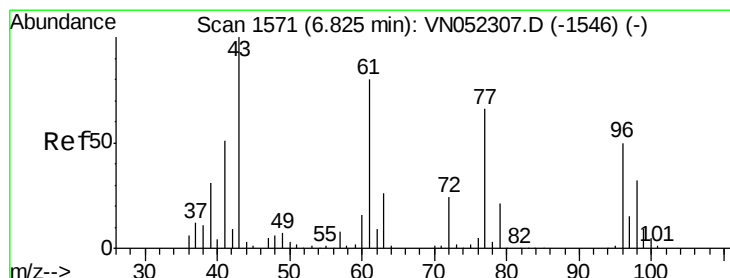
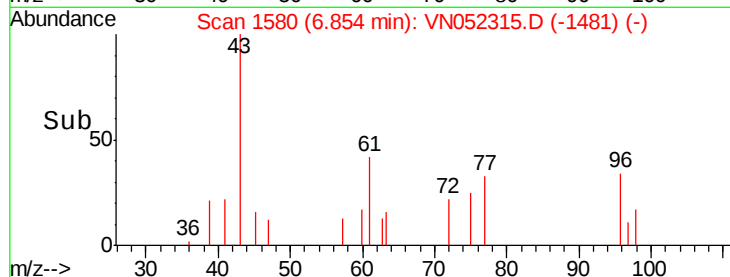
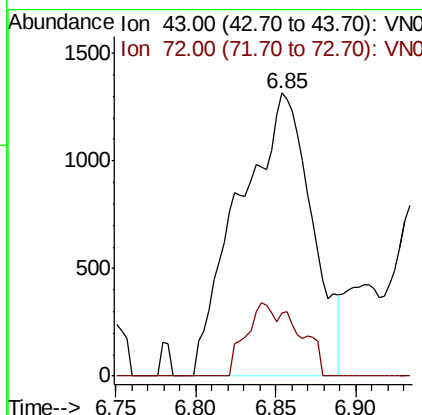
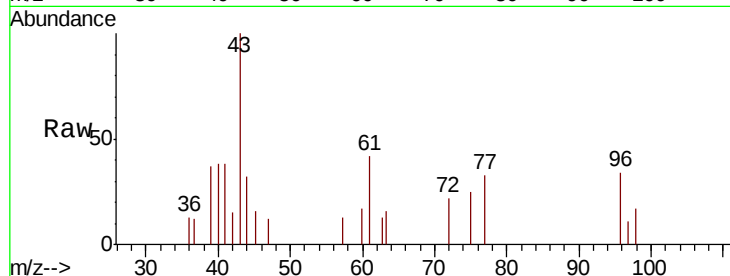




#25
 2-Butanone
 Concen: 2.980 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

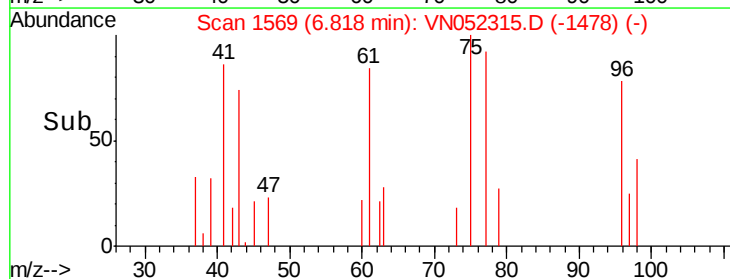
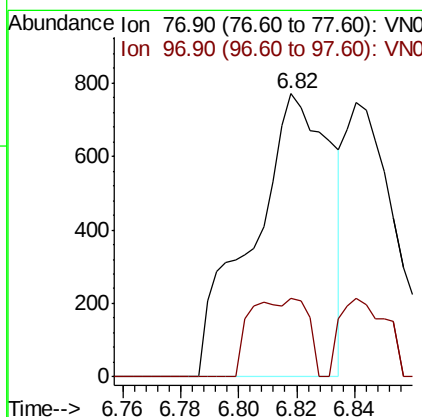
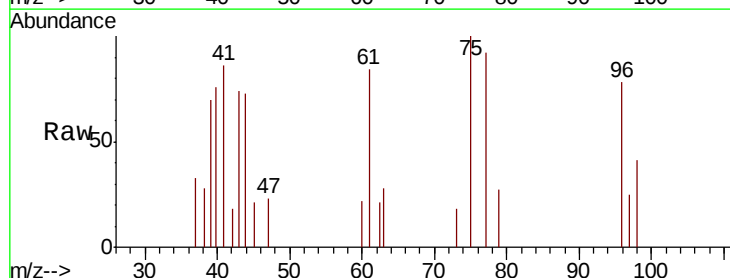
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

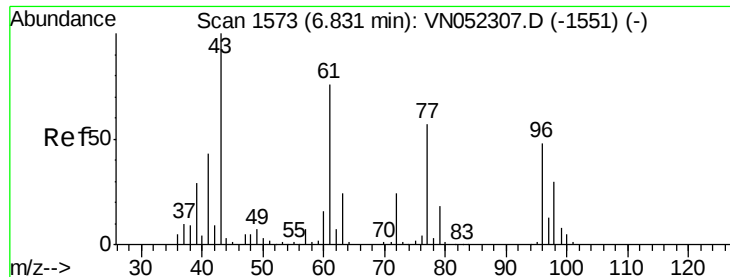
Tot Ion: 43.00 Resp: 4114
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.6 27.8



#26
 2,2-Dichloropropane
 Concen: 0.339 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 77 Resp: 1453
 Ion Ratio Lower Upper
 77 100
 97 12.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 0.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

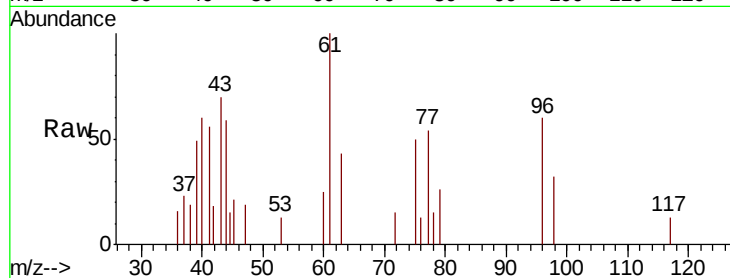
Tot Ion: 96 Resp: 836

Ion Ratio Lower Upper

96 100

61 385.5 0.0 316.8#

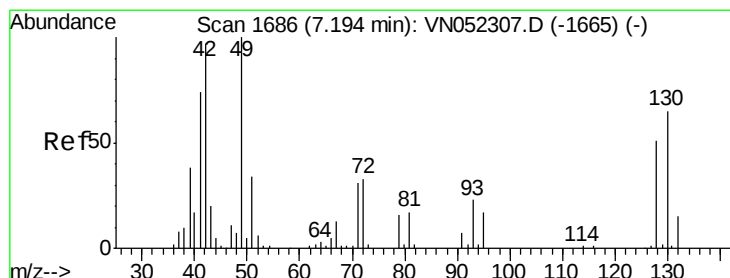
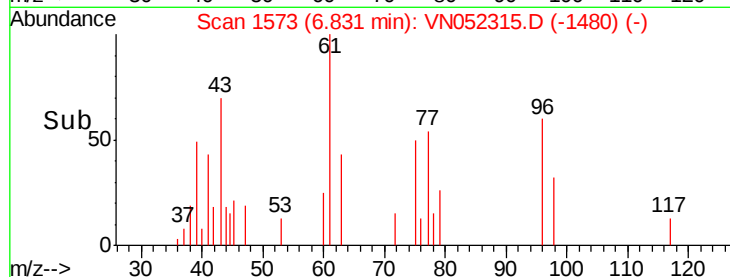
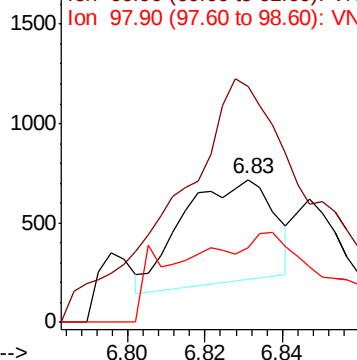
98 75.6 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.298 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

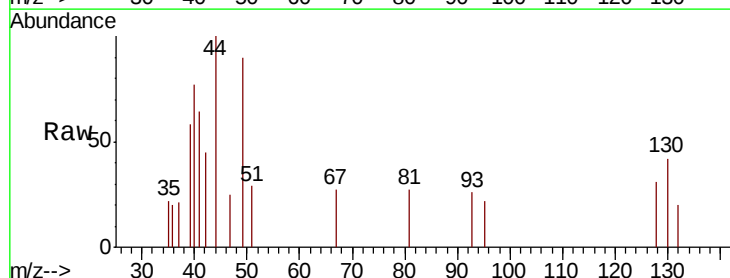
Tgt Ion: 49 Resp: 894

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

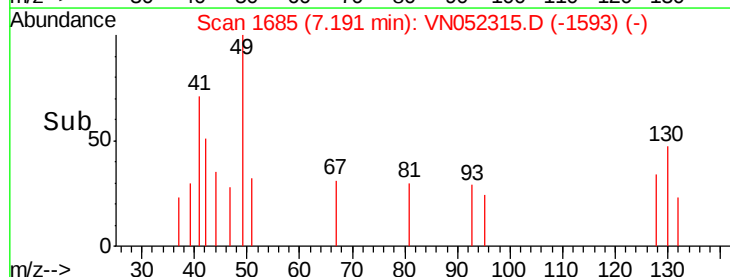
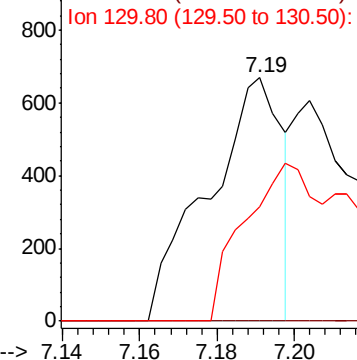
130 63.4 50.4 75.6

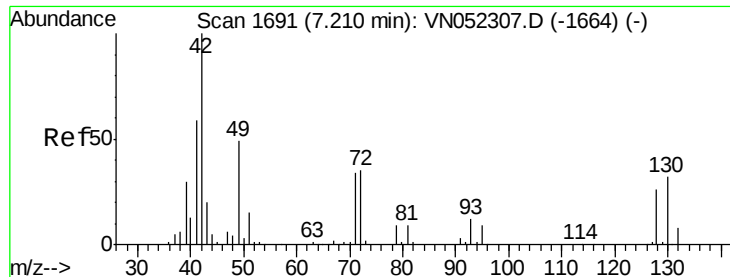


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 3.217 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

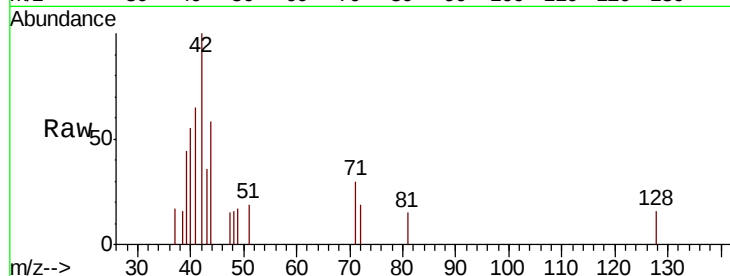
Tot Ion: 42 Resp: 2918

Ion Ratio Lower Upper

42 100

72 23.2 28.6 42.8#

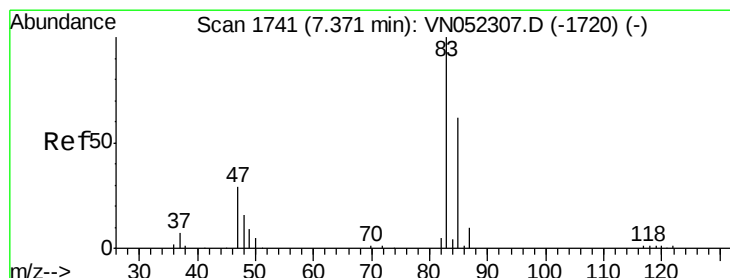
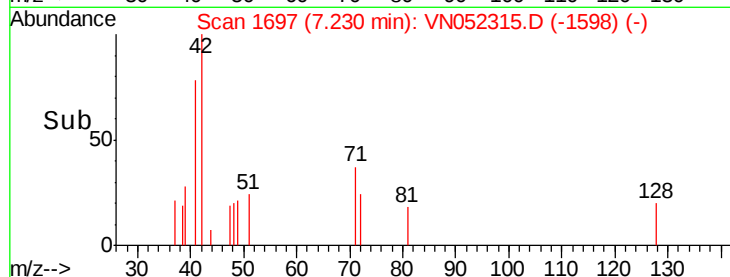
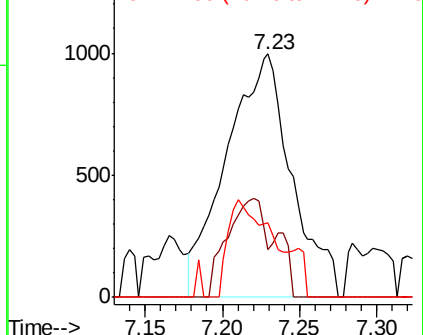
71 24.7 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 2.148 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052315.D

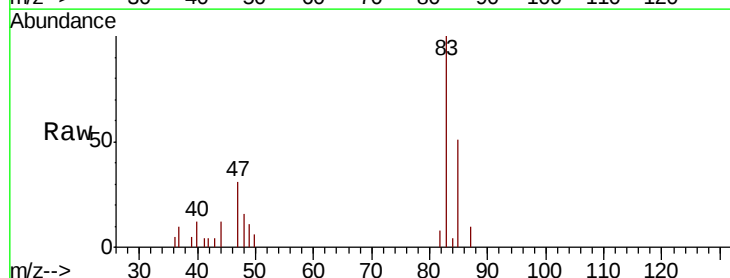
Acq: 14 Nov 2018 16:15

Tgt Ion: 83 Resp: 11942

Ion Ratio Lower Upper

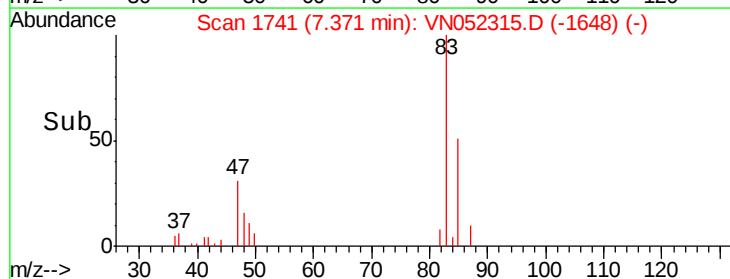
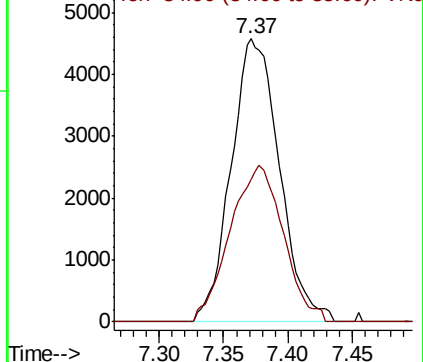
83 100

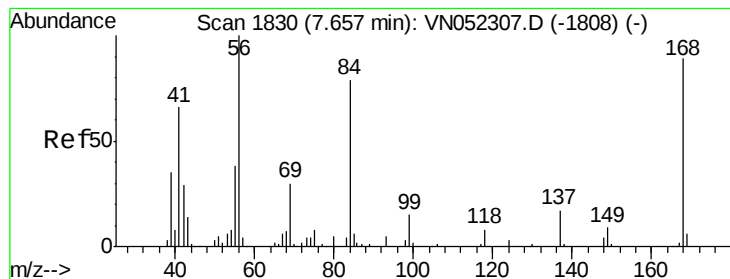
85 50.5 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.839 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

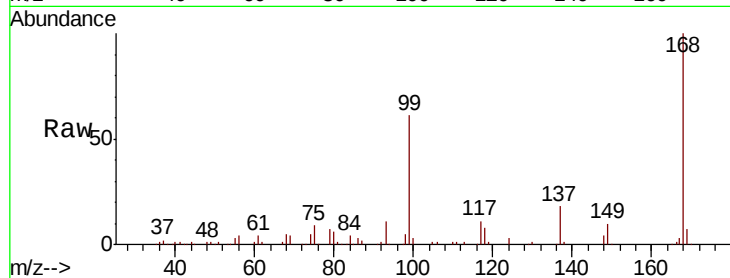
Tot Ion: 56 Resp: 10191

Ion Ratio Lower Upper

56 100

69 112.1 23.8 35.8#

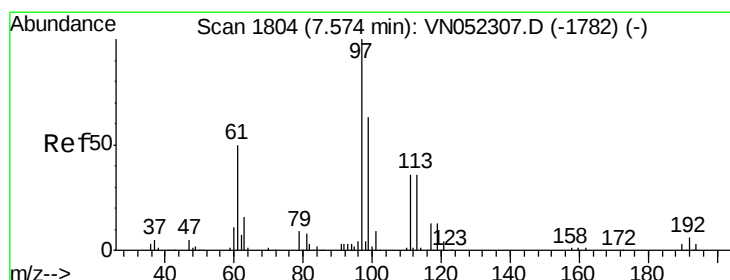
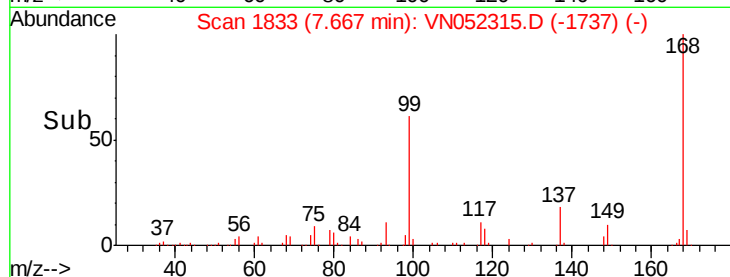
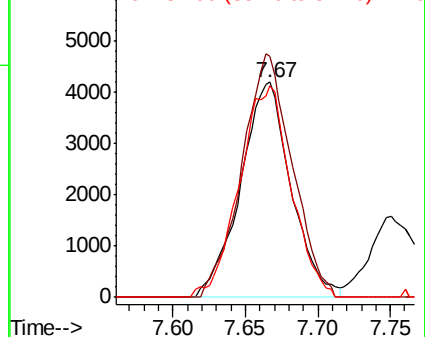
84 98.1 63.0 94.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052315.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052315.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052315.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 0.505 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

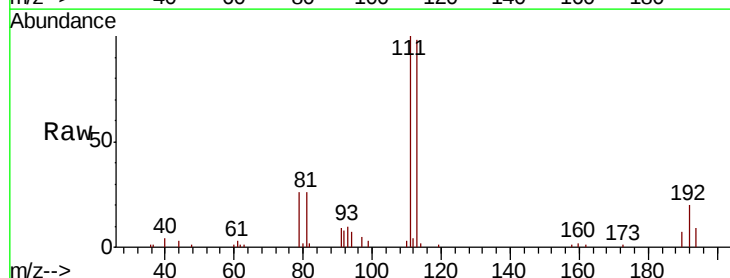
Tgt Ion: 97 Resp: 2392

Ion Ratio Lower Upper

97 100

99 0.0 50.2 75.2#

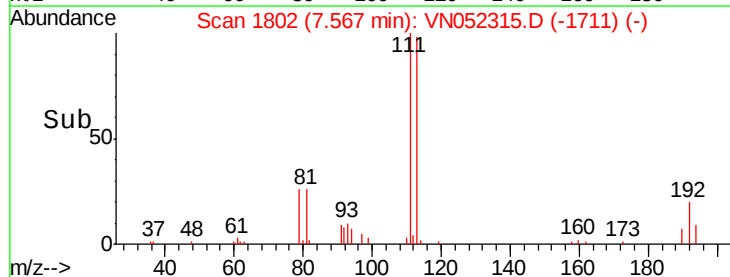
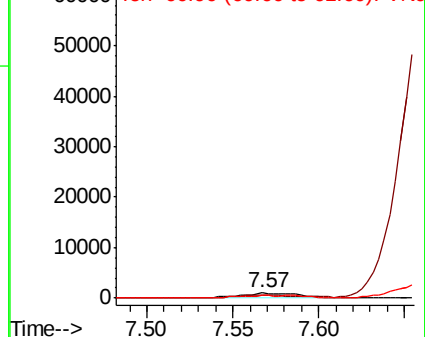
61 32.1 40.2 60.4#

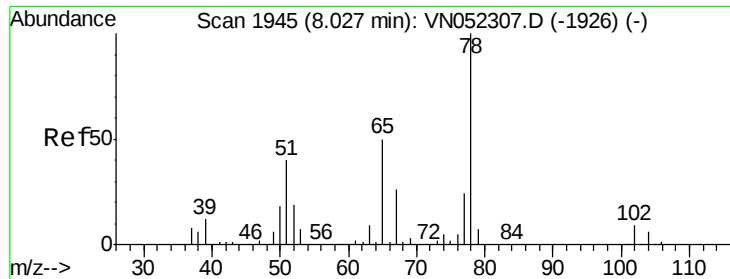


Abundance Ion 96.90 (96.60 to 97.60): VN052315.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052315.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052315.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 0.505 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

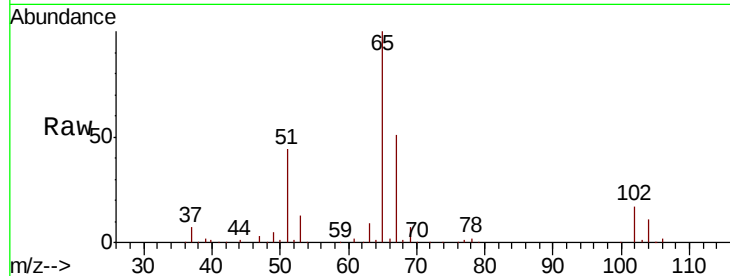
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 65 Resp: 190171

Ion Ratio Lower Upper

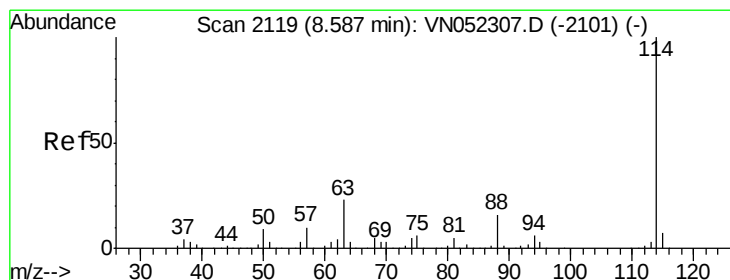
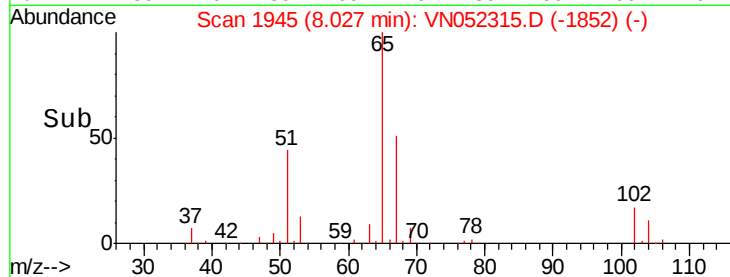
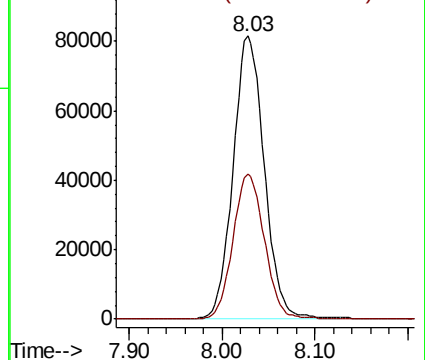
65 100

67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052315.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052315.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

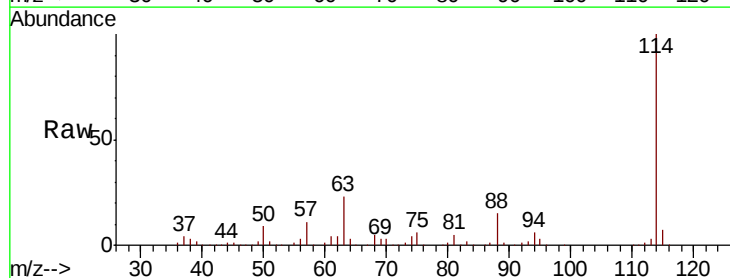
Tgt Ion: 114 Resp: 449818

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.4

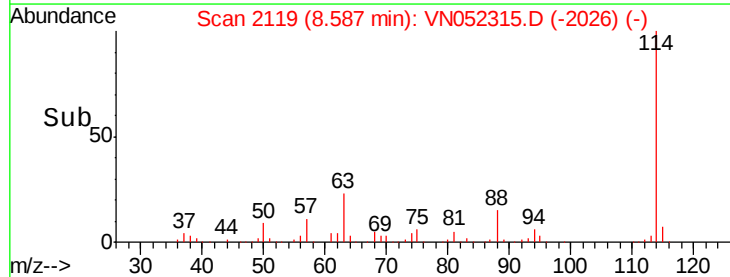
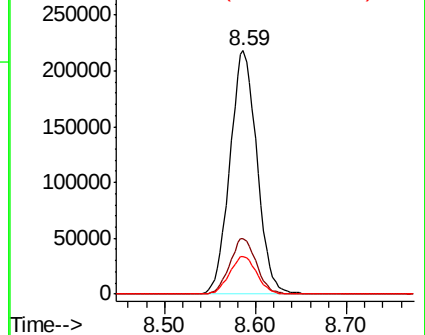
88 15.5 0.0 31.2

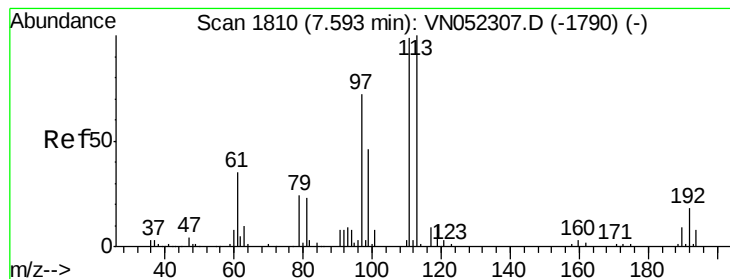


Abundance Ion 113.90 (113.60 to 114.60): VN052315.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN052315.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN052315.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

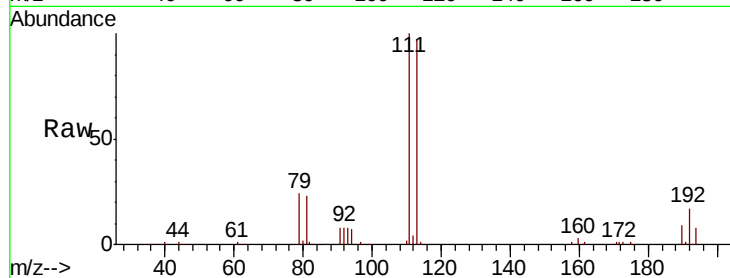
Tot Ion:113 Resp: 145653

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.6

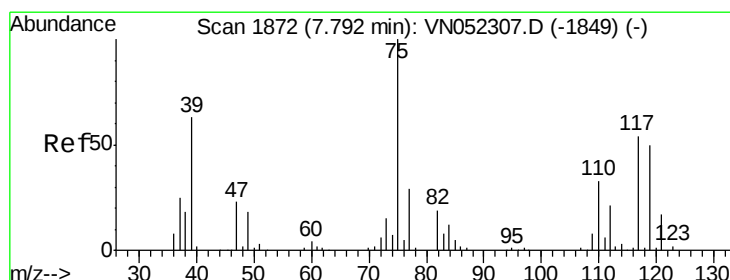
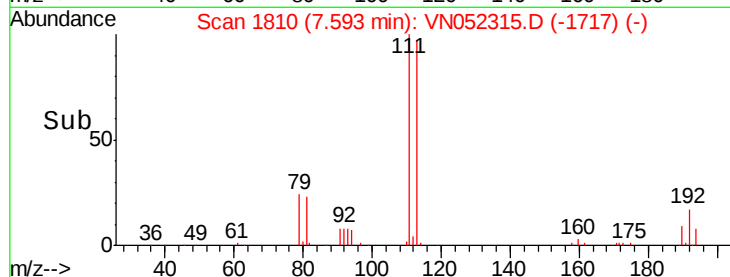
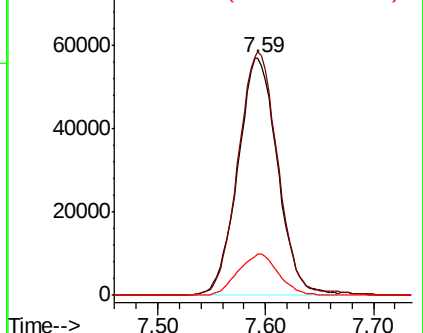
192 17.6 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.553 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

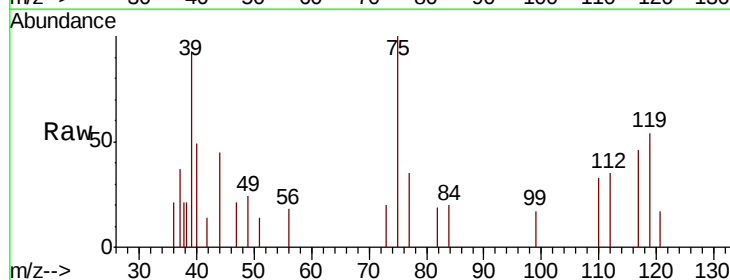
Tgt Ion: 75 Resp: 2492

Ion Ratio Lower Upper

75 100

110 31.0 16.5 49.5

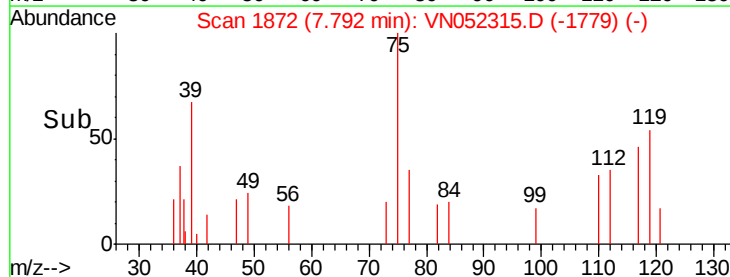
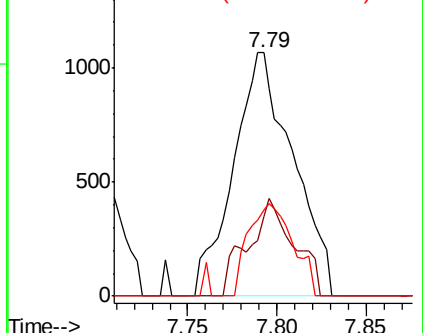
77 28.5 24.2 36.2

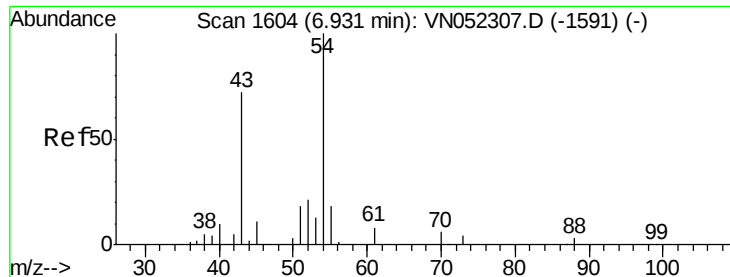


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

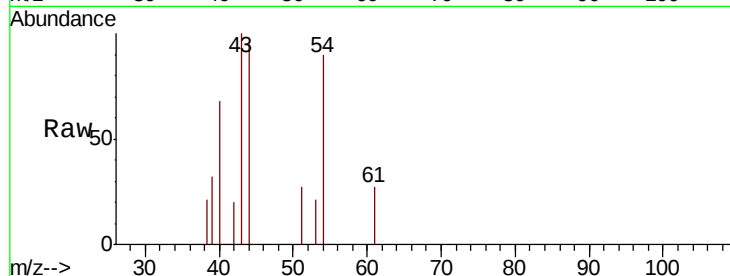




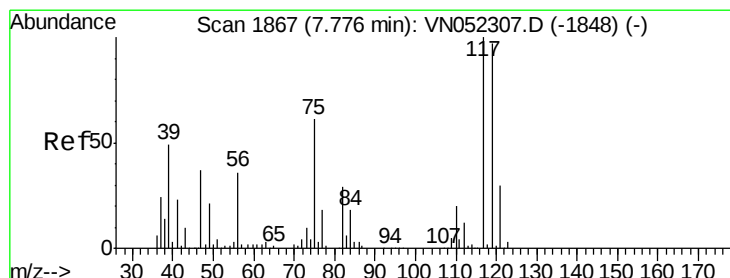
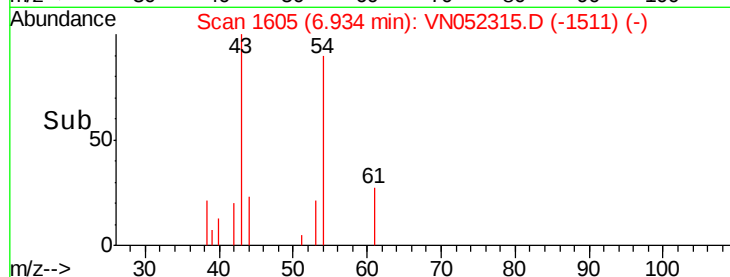
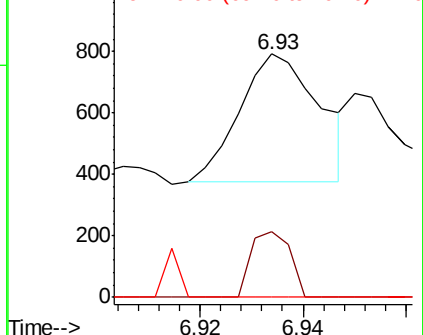
#37
Ethyl Acetate
Concen: 0.136 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
61 24.9 10.3 15.5#
70 6.7 5.6 8.4

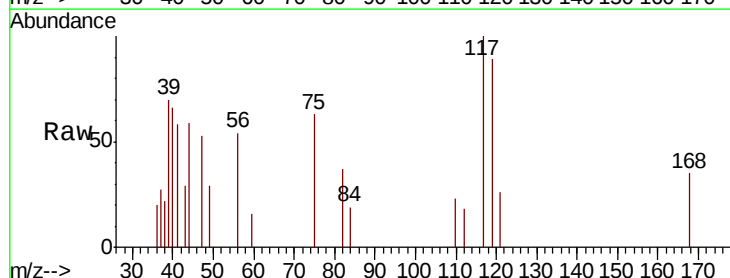


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

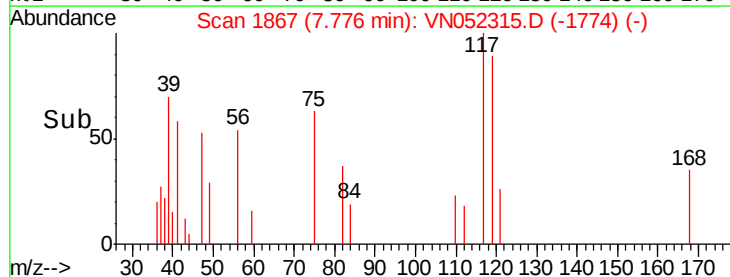
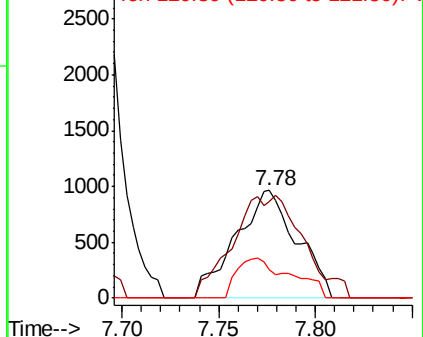


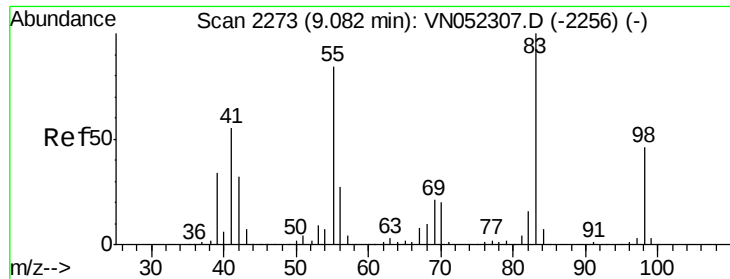
#38
Carbon Tetrachloride
Concen: 0.511 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 117 Resp: 2118
Ion Ratio Lower Upper
117 100
119 89.4 77.4 116.0
121 26.3 24.0 36.0



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

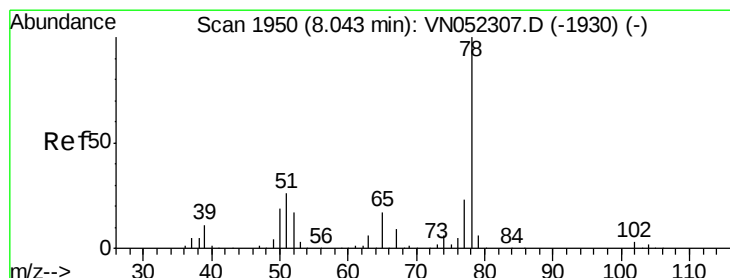
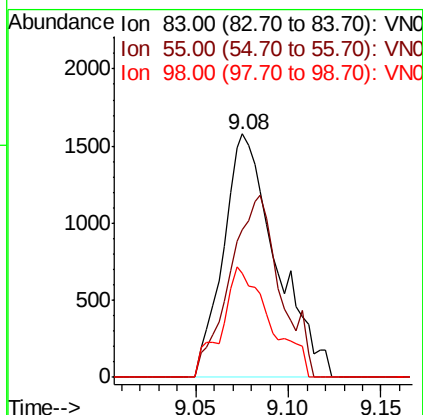
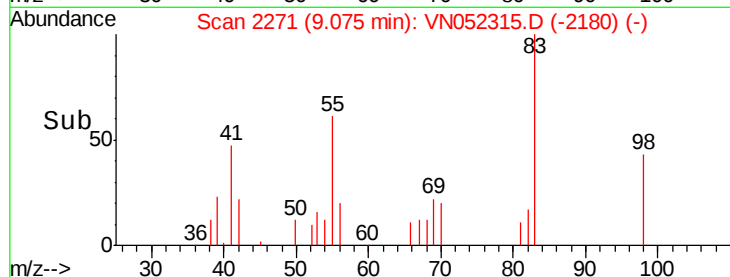
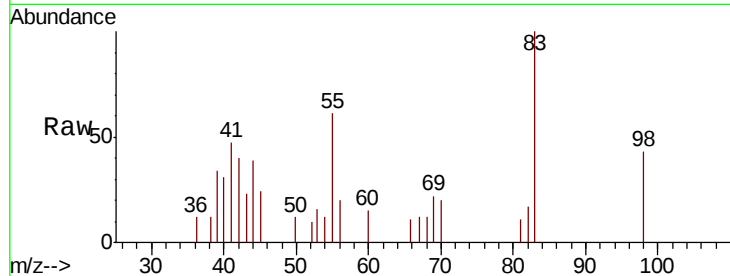




#39
Methvlcvclohexane
Concen: 0.608 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

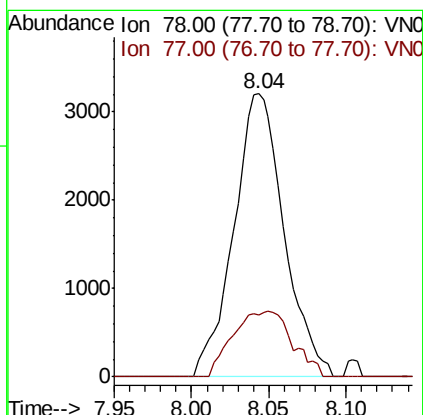
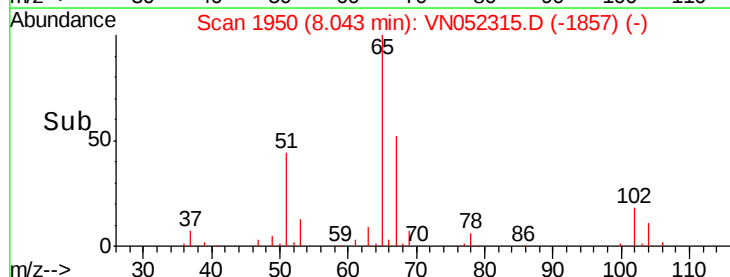
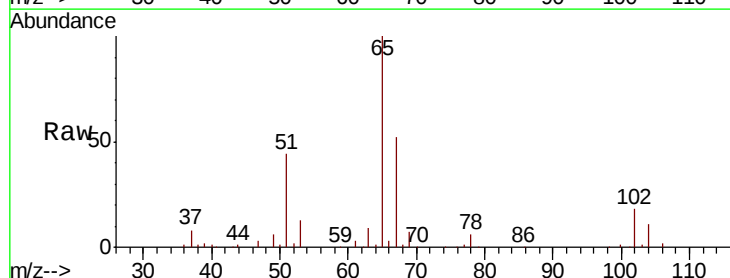
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

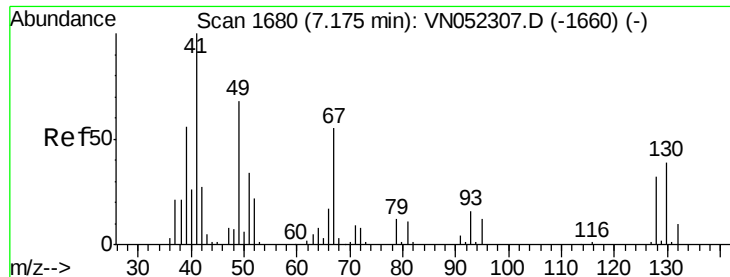
Tot Ion: 83 Resp: 3127
Ion Ratio Lower Upper
83 100
55 60.5 66.8 100.2#
98 42.8 36.4 54.6



#40
Benzene
Concen: 0.563 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 78 Resp: 7250
Ion Ratio Lower Upper
78 100
77 22.1 18.7 28.1





#41

Methacrylonitrile

Concen: 4.229 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion: 41 Resp: 1047

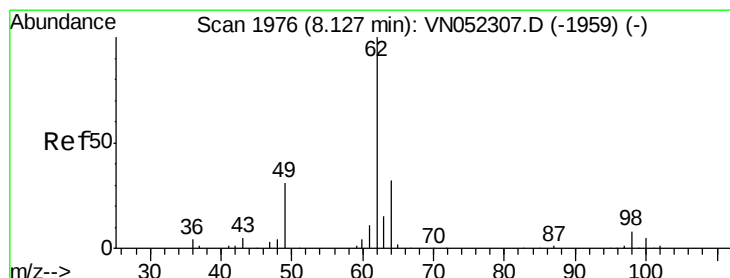
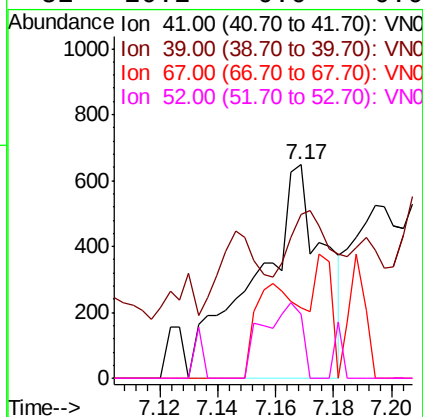
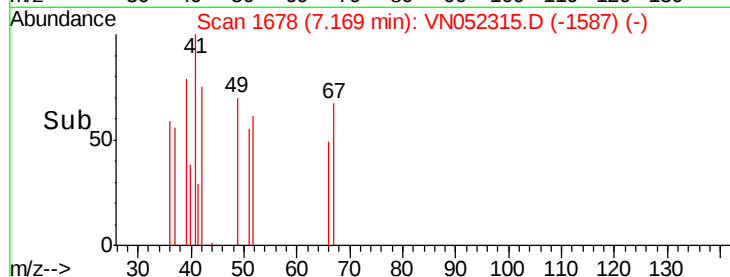
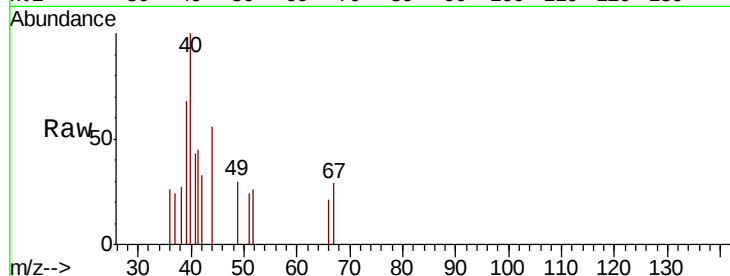
Ion Ratio Lower Upper

41 100

39 21.0 0.0 0.0#

67 13.5 0.0 0.0#

52 20.2 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 0.585 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN052315.D

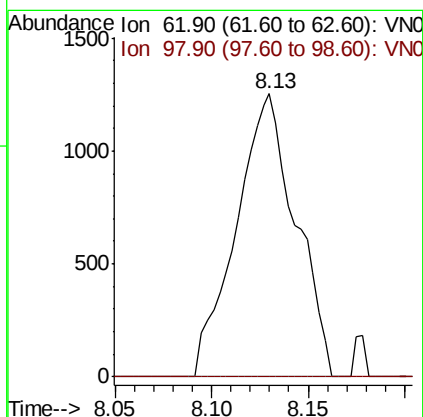
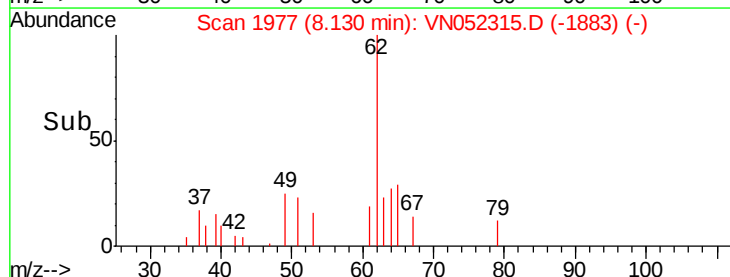
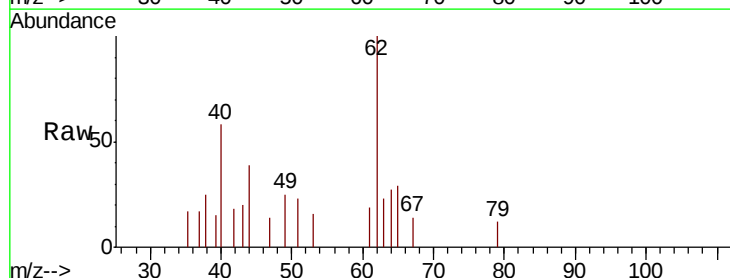
Acq: 14 Nov 2018 16:15

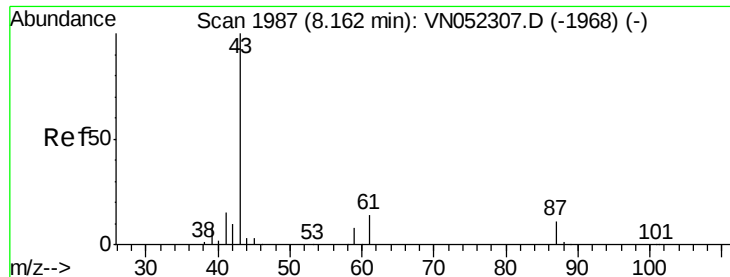
Tgt Ion: 62 Resp: 2688

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.6





#43

Isopropyl Acetate

Concen: 0.572 ug/l

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

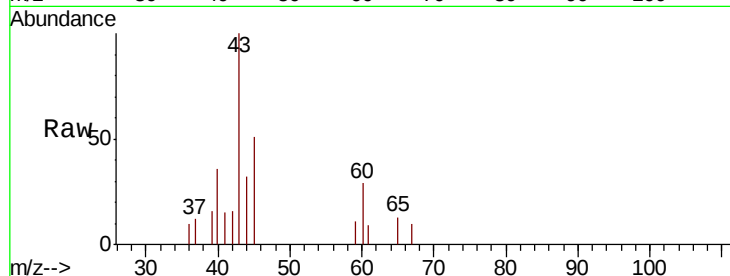
Tot Ion: 43 Resp: 3614

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

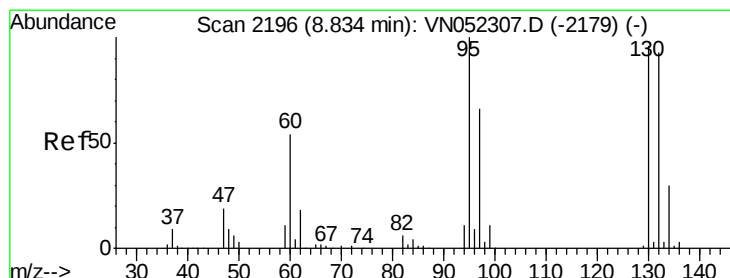
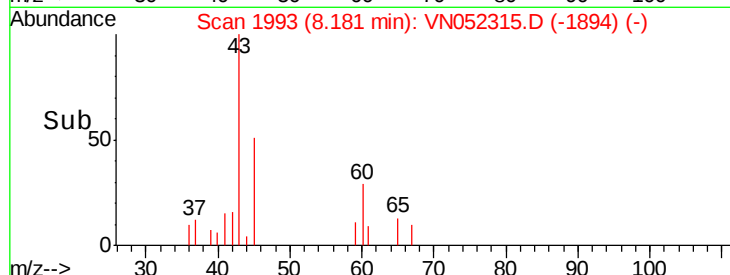
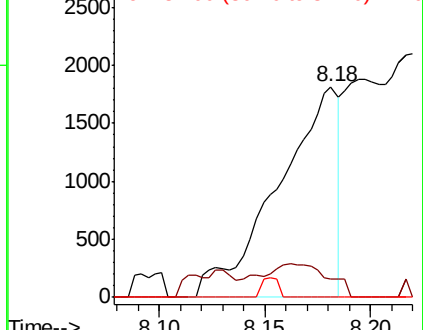
87 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN052315.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN052315.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN052315.D (-1894) (-)



#44

Trichloroethene

Concen: 0.592 ug/l

RT: 8.84 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VN052315.D

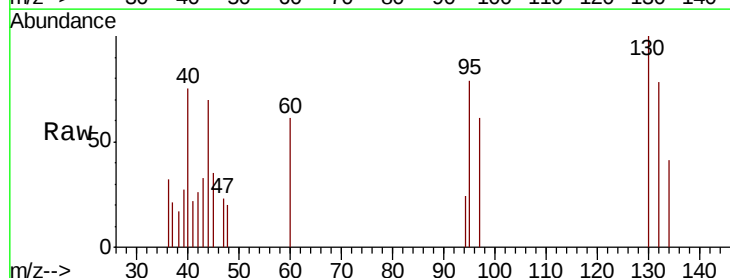
Acq: 14 Nov 2018 16:15

Tgt Ion: 130 Resp: 1879

Ion Ratio Lower Upper

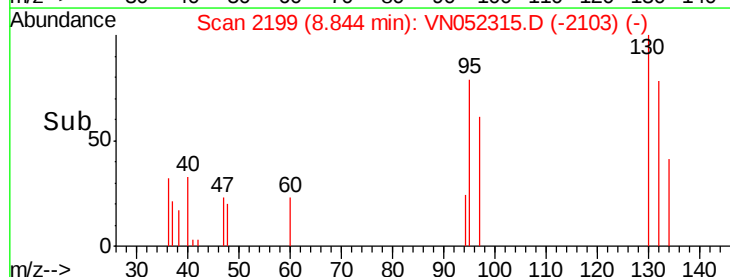
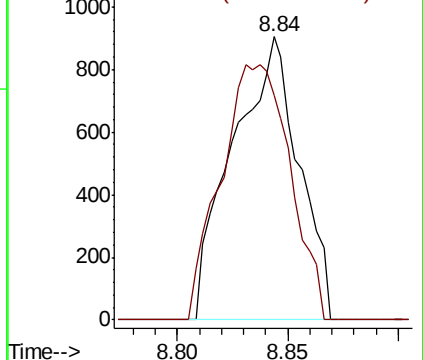
130 100

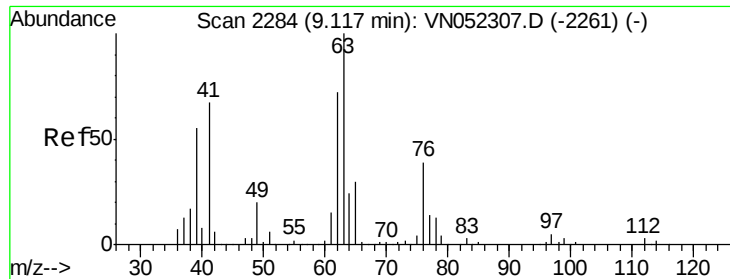
95 79.4 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052315.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN052315.D (-2103) (-)

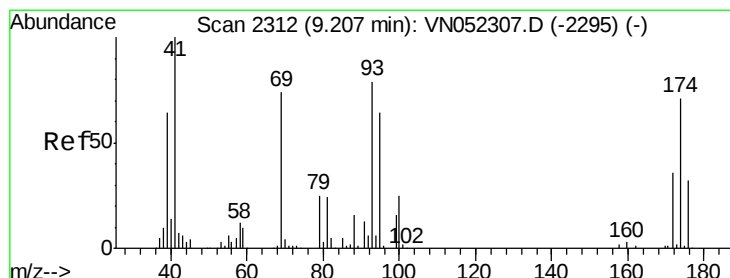
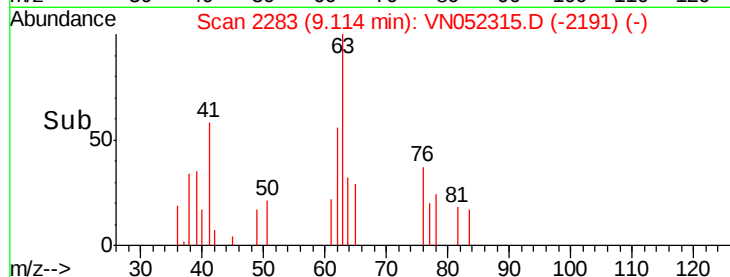
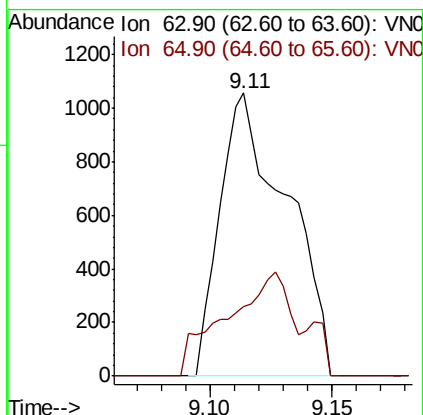
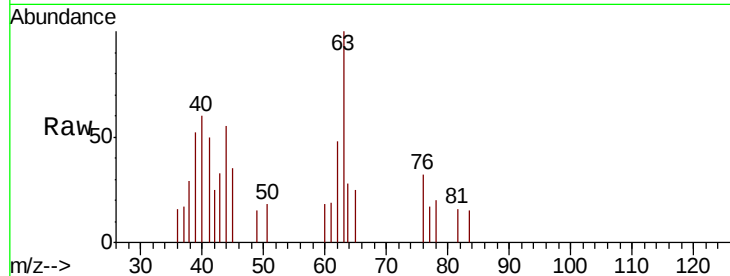




#45
 1,2-Dichloropropane
 Concen: 0.550 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

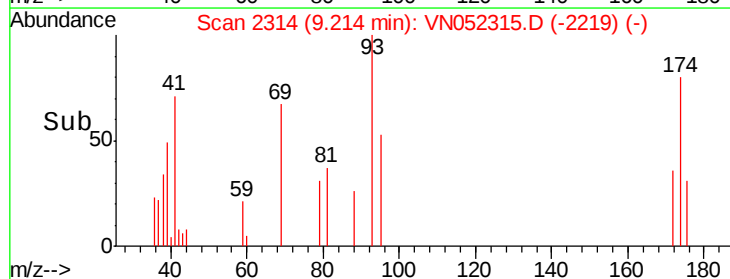
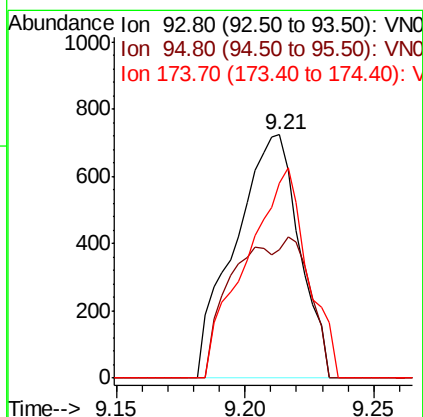
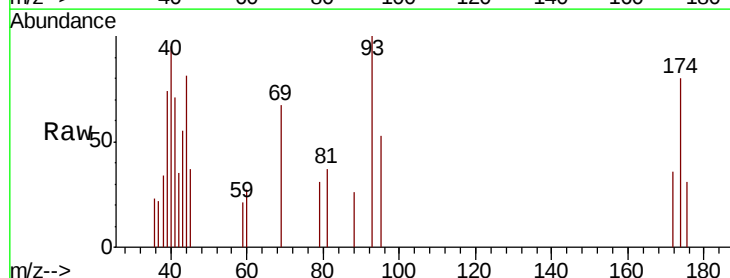
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

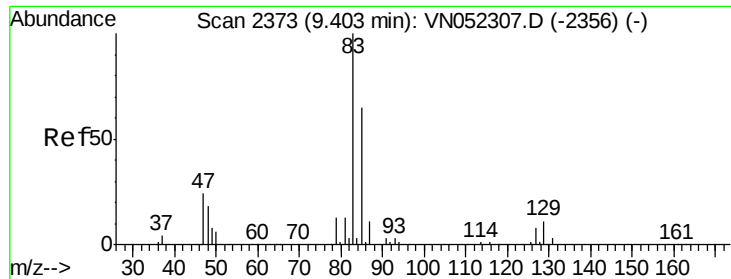
Tot Ion: 63 Resp: 2010
 Ion Ratio Lower Upper
 63 100
 65 24.8 24.2 36.4



#46
 Dibromomethane
 Concen: 0.596 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 93 Resp: 1262
 Ion Ratio Lower Upper
 93 100
 95 39.2 64.2 96.2#
 174 81.9 70.9 106.3





#47

Bromodichloromethane

Concen: 0.837 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

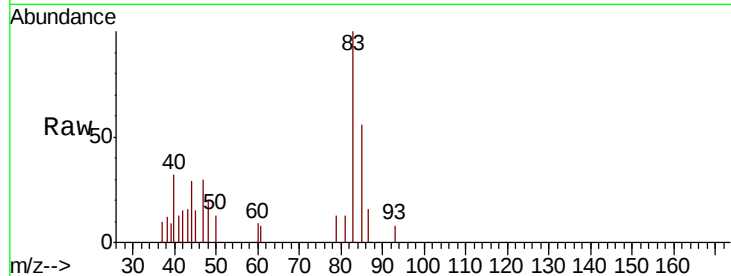
Tot Ion: 83 Resp: 3635

Ion Ratio Lower Upper

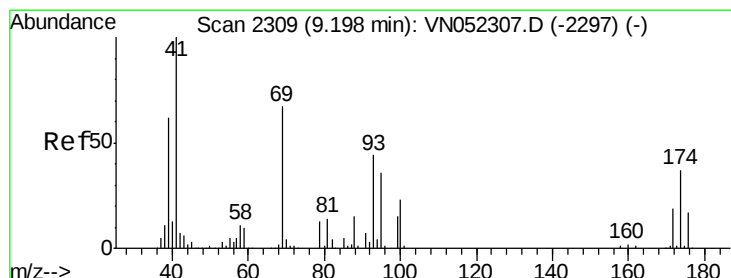
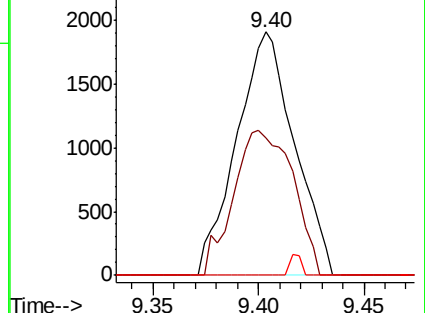
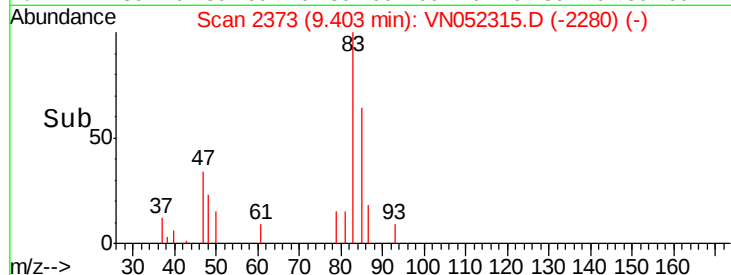
83 100

85 56.2 52.2 78.4

127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VN052315.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.340 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

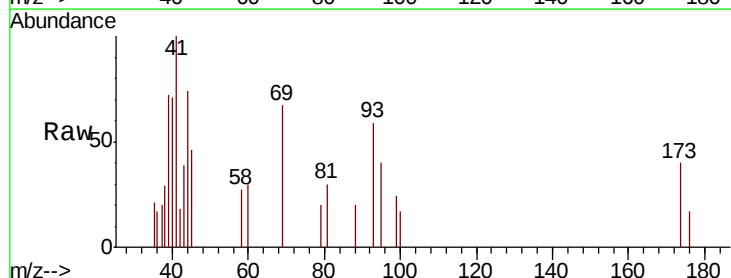
Tgt Ion: 41 Resp: 1090

Ion Ratio Lower Upper

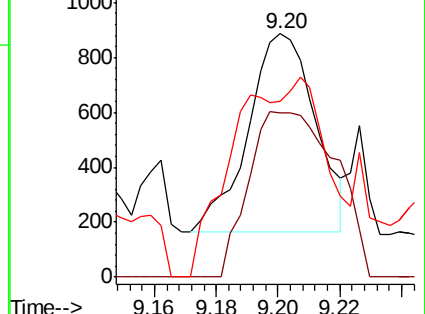
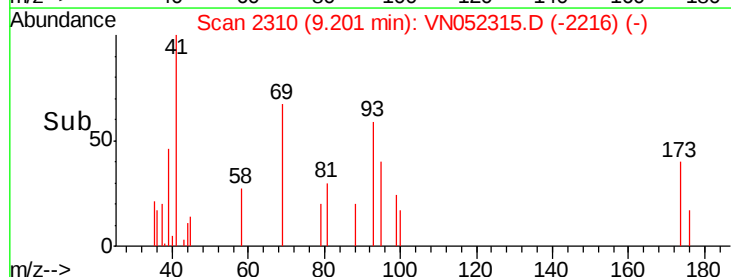
41 100

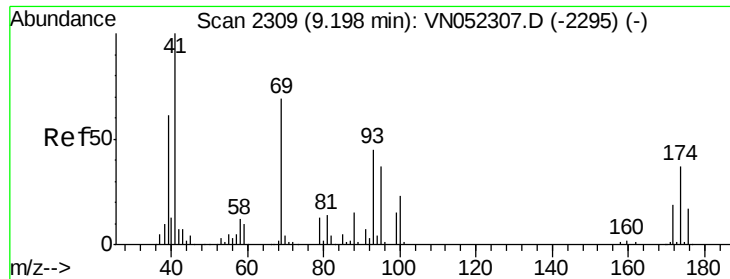
69 107.6 57.1 85.7#

39 66.7 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VN052315.D (-2216) (-)





#49

1,4-Dioxane

Concen: 11.954 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

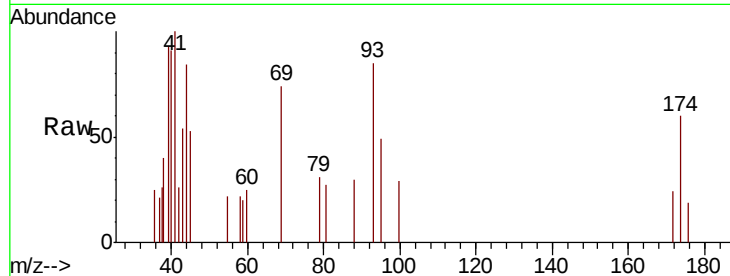
Tot Ion: 88 Resp: 294

Ion Ratio Lower Upper

88 100

43 40.5 33.3 49.9

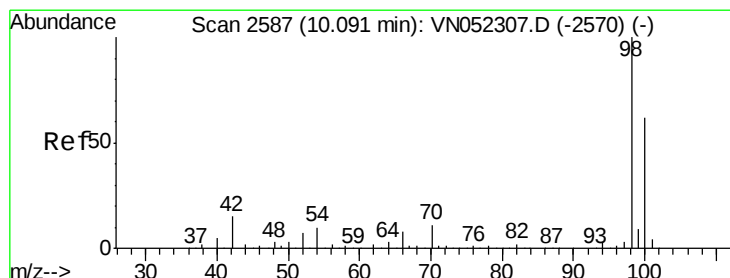
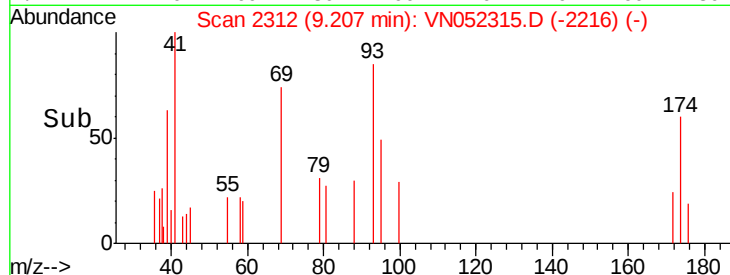
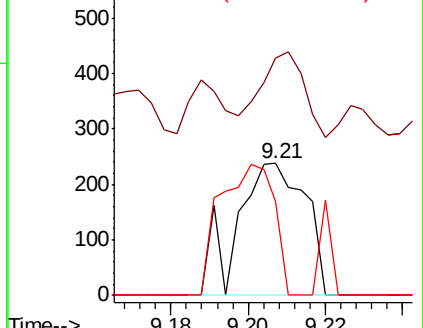
58 78.2 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)



#50

Toluene-d8

Concen: 11.954 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052315.D

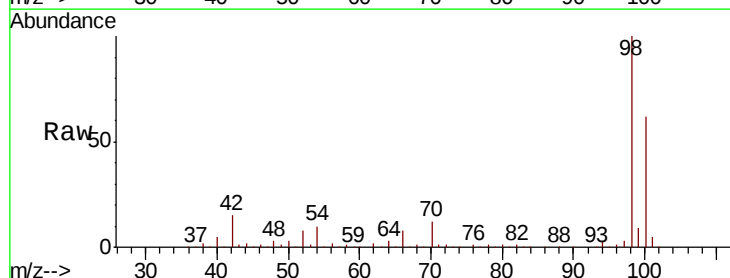
Acq: 14 Nov 2018 16:15

Tgt Ion: 98 Resp: 548585

Ion Ratio Lower Upper

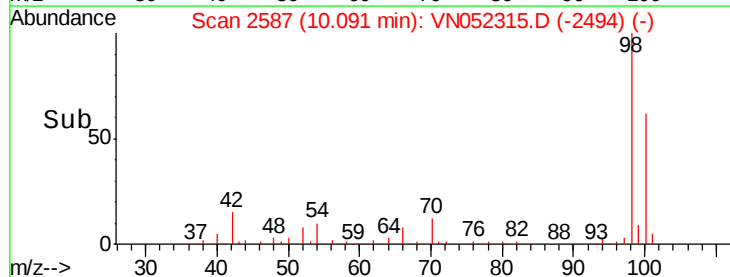
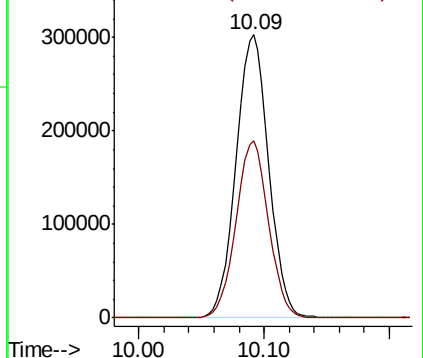
98 100

100 62.2 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 2.292 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

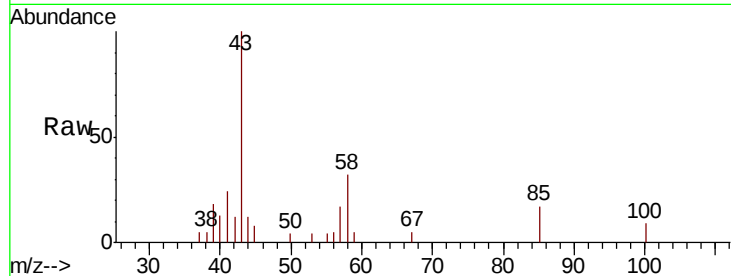
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 43 Resp: 7286

Ion Ratio Lower Upper

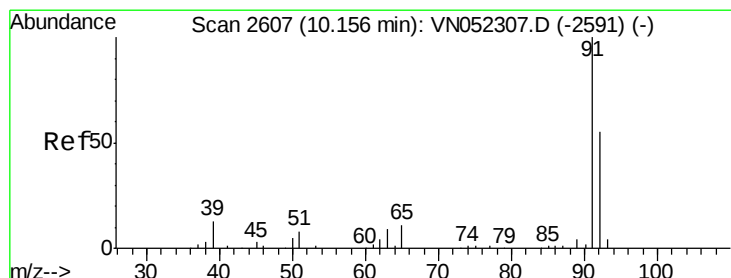
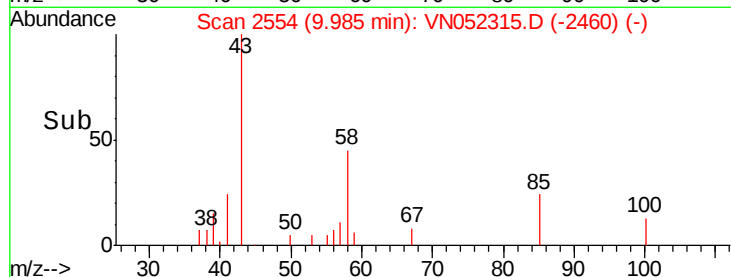
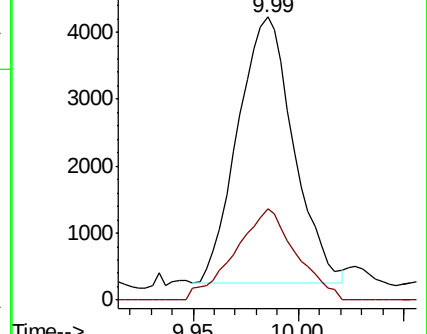
43 100

58 37.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.541 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052315.D

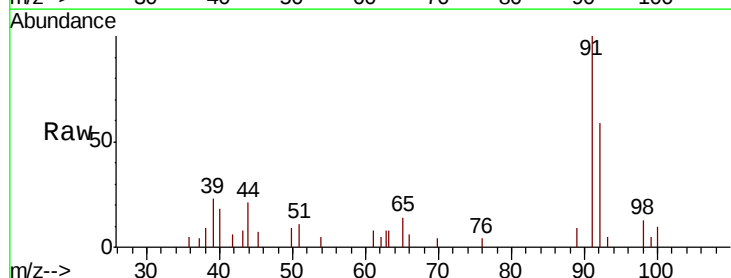
Acq: 14 Nov 2018 16:15

Tgt Ion: 92 Resp: 4170

Ion Ratio Lower Upper

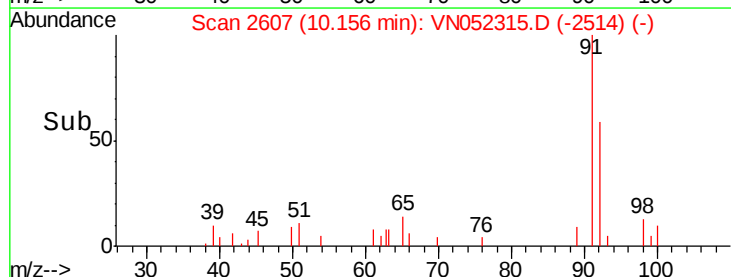
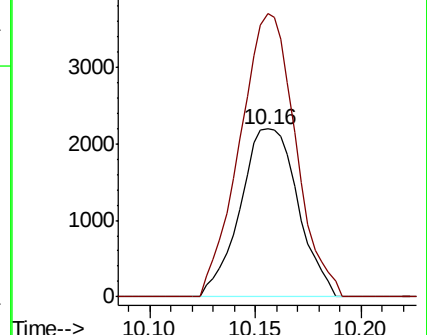
92 100

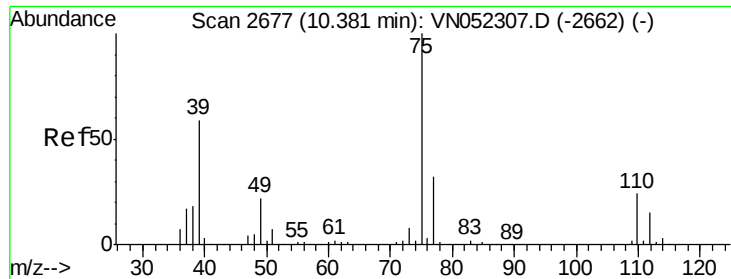
91 162.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.468 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

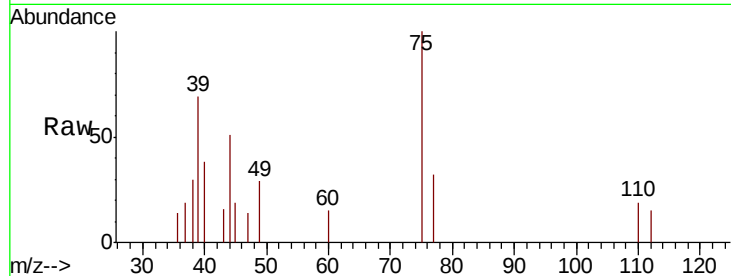
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 75 Resp: 2050

Ion Ratio Lower Upper

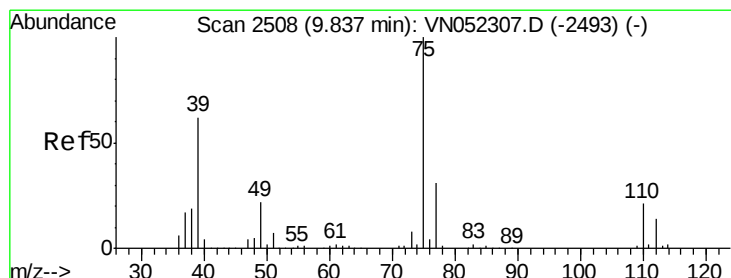
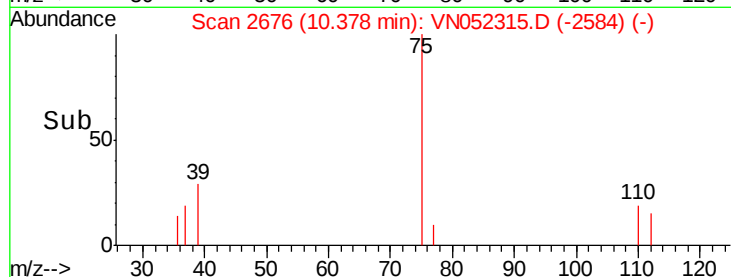
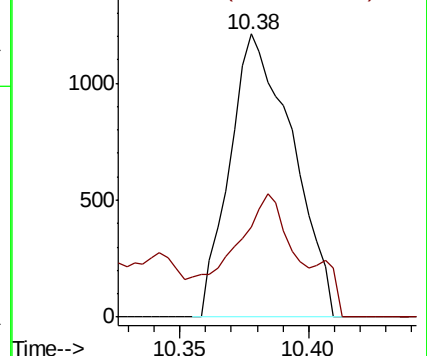
75 100

77 32.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.482 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

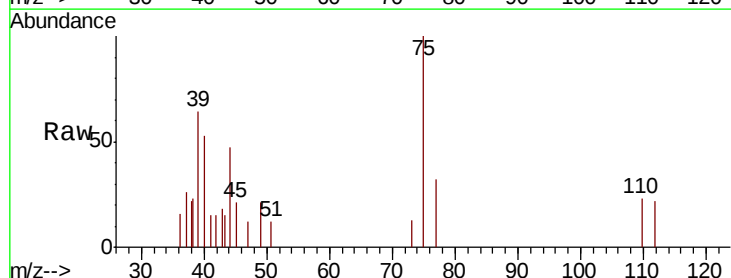
Tgt Ion: 75 Resp: 2404

Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

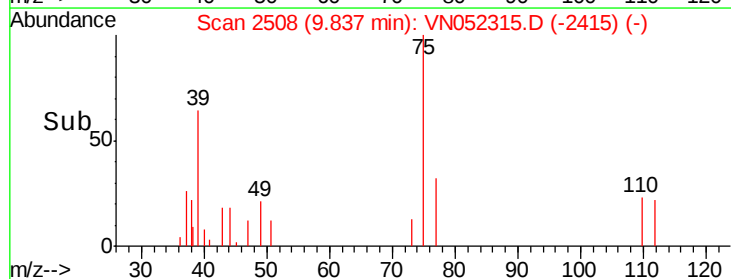
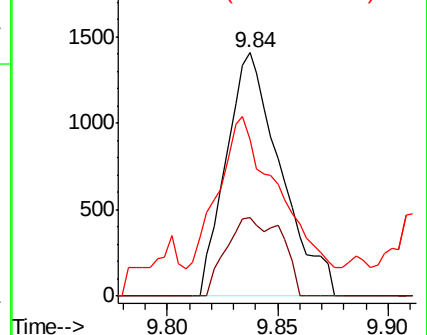
39 52.5 49.9 74.9

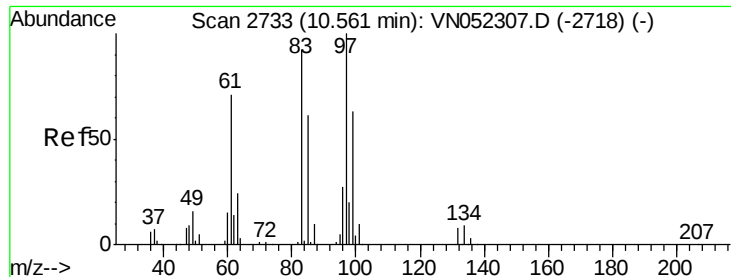


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

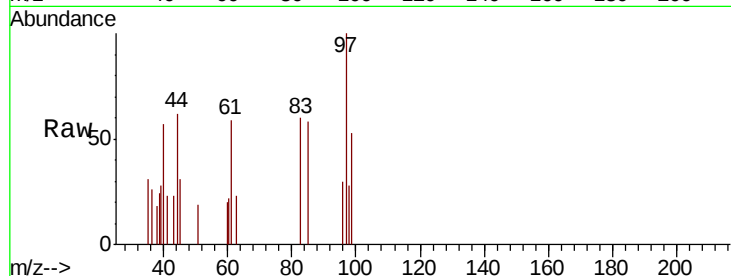




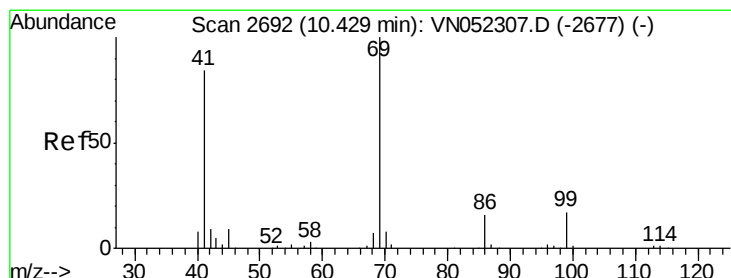
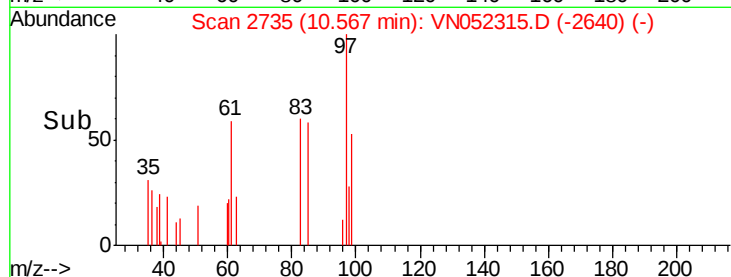
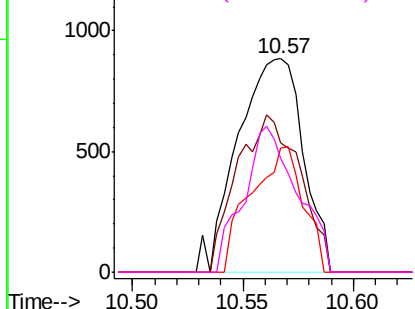
#55
 1,1,2-Trichloroethane
 Concen: 0.651 ug/l
 RT: 10.57 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tot Ion: 97 Resp: 1817
 Ion Ratio Lower Upper
 97 100
 83 60.3 73.8 110.6#
 85 58.0 49.0 73.4
 99 53.2 50.5 75.7

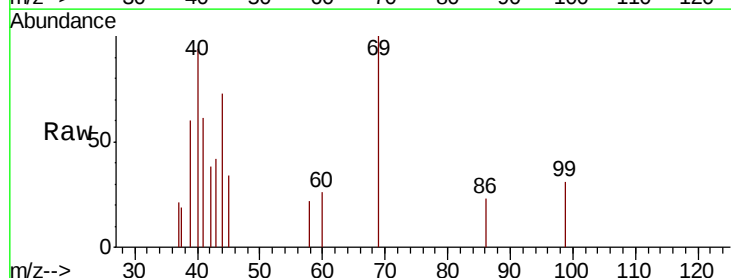


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

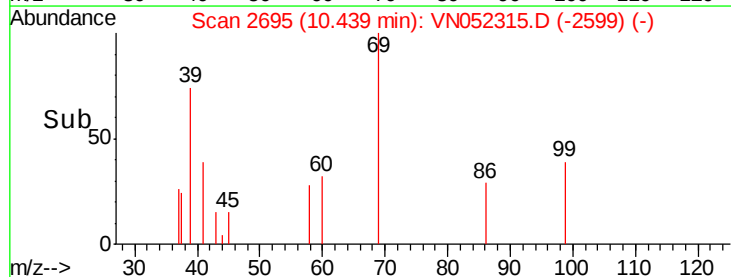
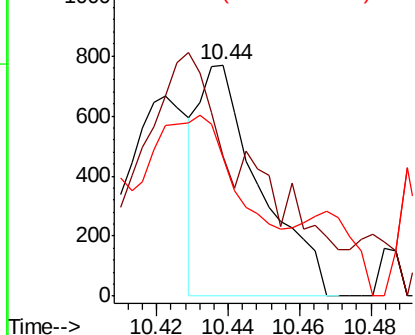


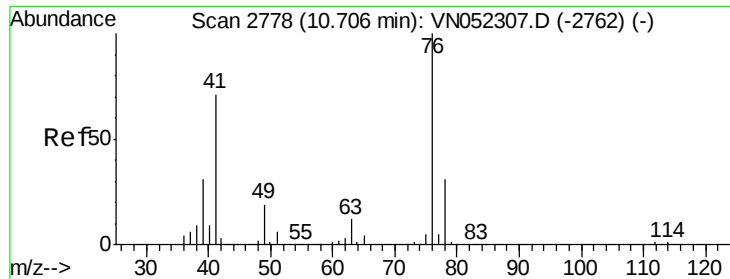
#56
 Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 10.44 min Scan# 2695
 Delta R.T. 0.01 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion: 69 Resp: 909
 Ion Ratio Lower Upper
 69 100
 41 139.6 64.8 97.2#
 39 65.0 41.0 61.6#



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





#57

1,3-Dichloropropane

Concen: 0.514 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

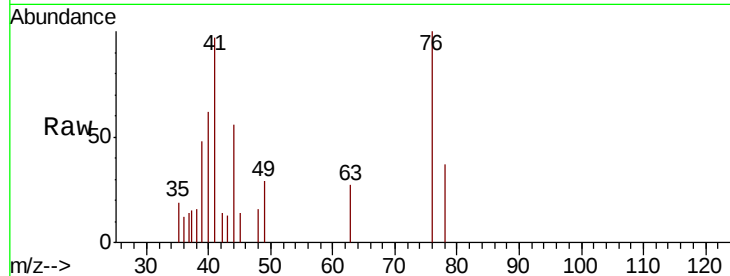
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 76 Resp: 2542

Ion Ratio Lower Upper

76 100

78 35.0 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

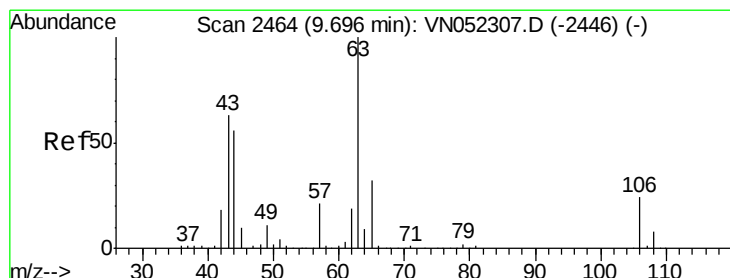
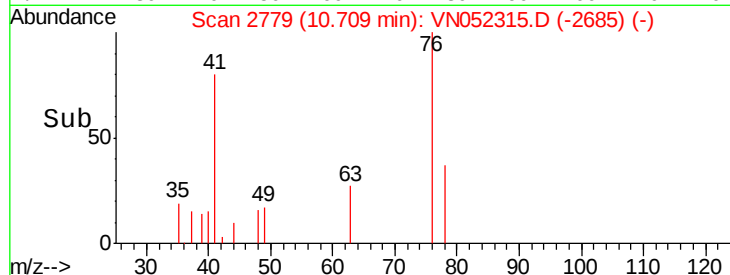
1500

1000

500

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.252 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.01 min

Lab File: VN052315.D

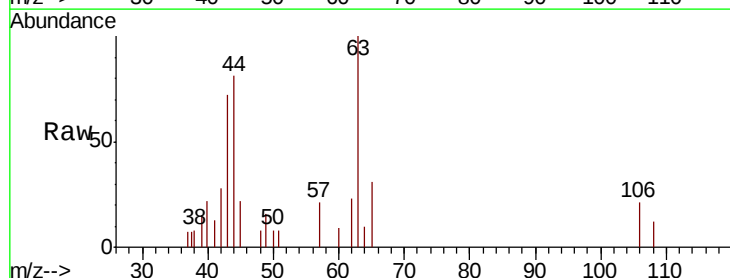
Acq: 14 Nov 2018 16:15

Tgt Ion: 63 Resp: 4709

Ion Ratio Lower Upper

63 100

106 21.0 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

2500

2000

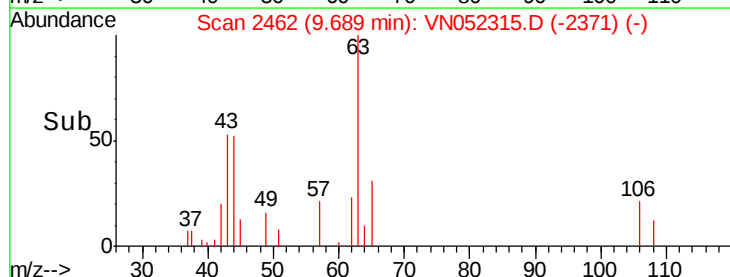
1500

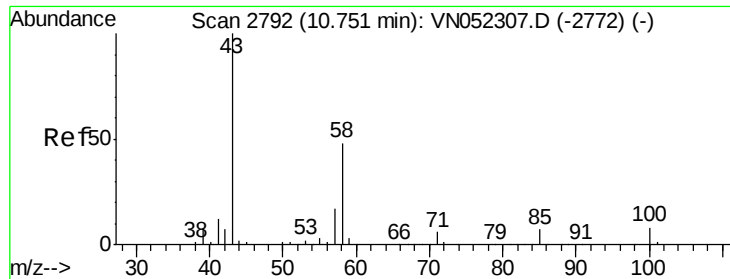
1000

500

0

Time-->

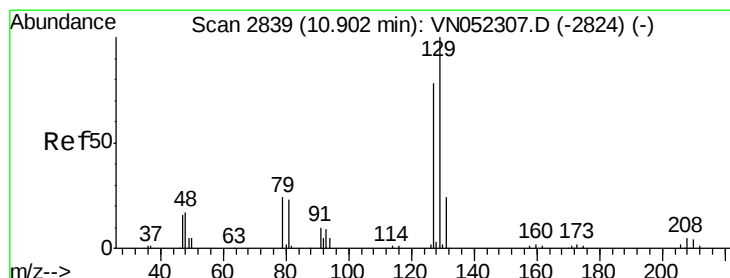
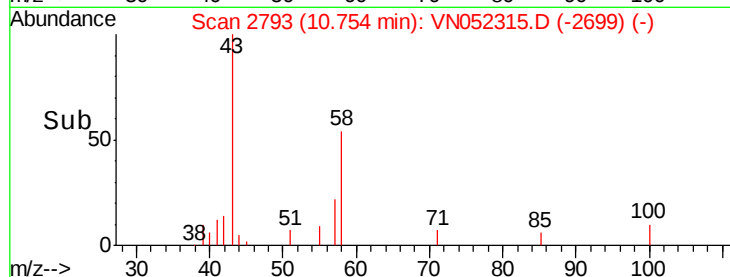
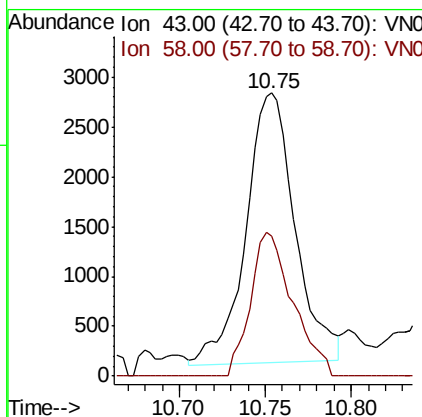
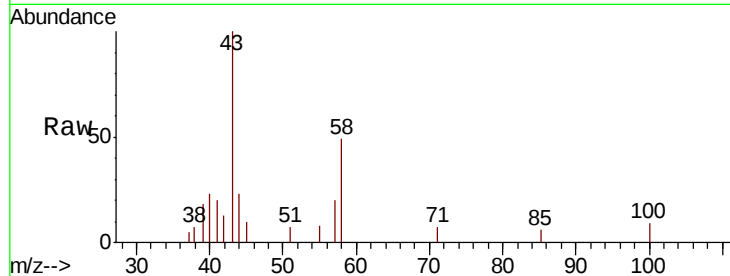




#59
2-Hexanone
Concen: 2.456 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

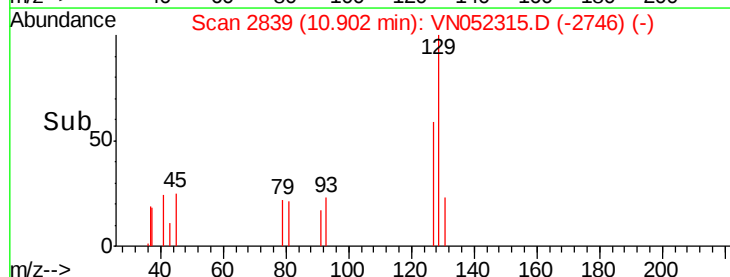
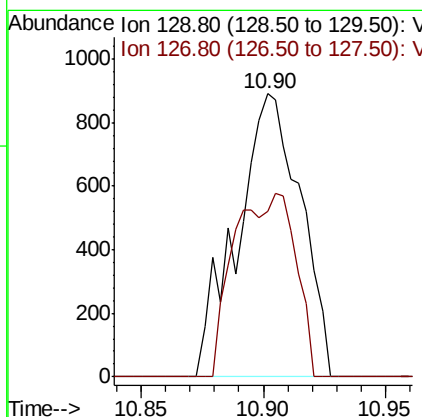
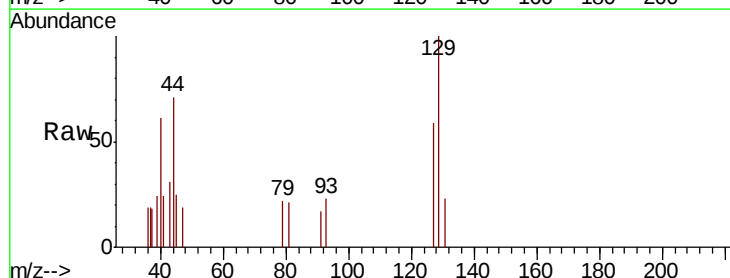
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

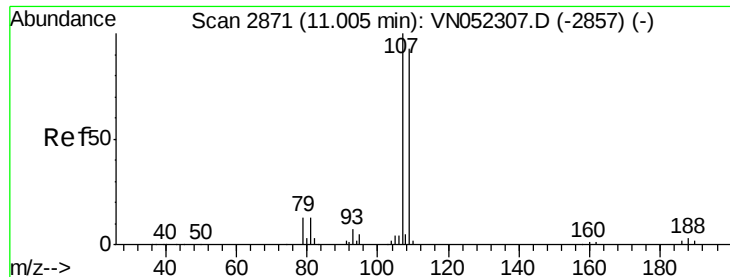
Tot Ion: 43.00 Resp: 5368
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.6



#60
Dibromochloromethane
Concen: 0.531 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 129 Resp: 1605
Ion Ratio Lower Upper
129 100
127 63.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.506 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

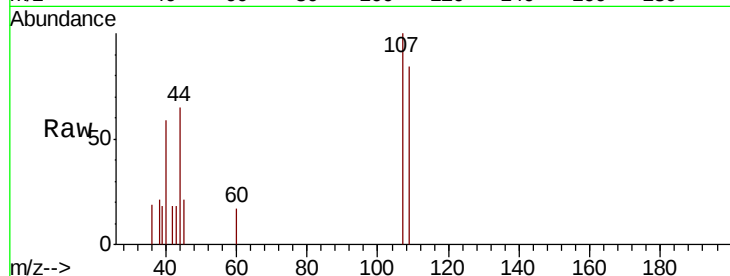
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 107 Resp: 1409

Ion Ratio Lower Upper

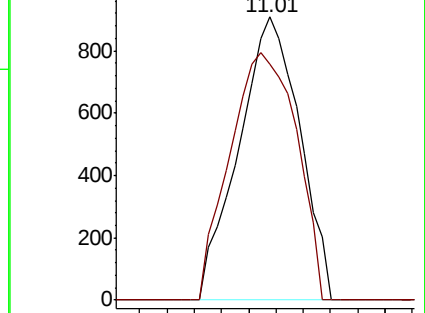
107 100

109 96.0 74.9 112.3

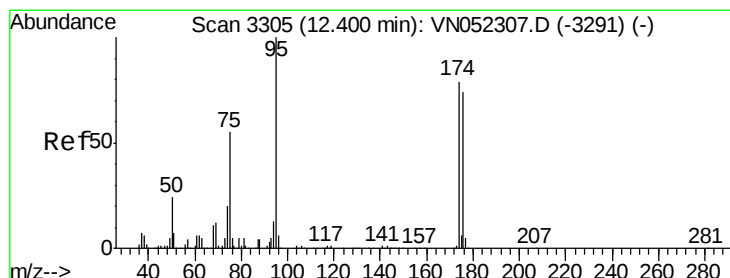
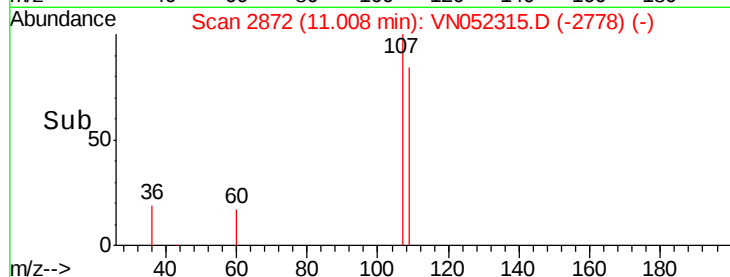


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 0.506 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

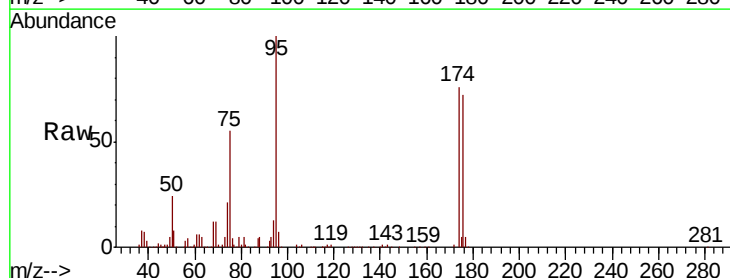
Tgt Ion: 95 Resp: 166284

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.0

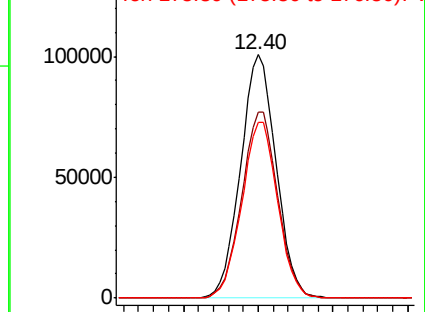
176 73.1 0.0 148.4



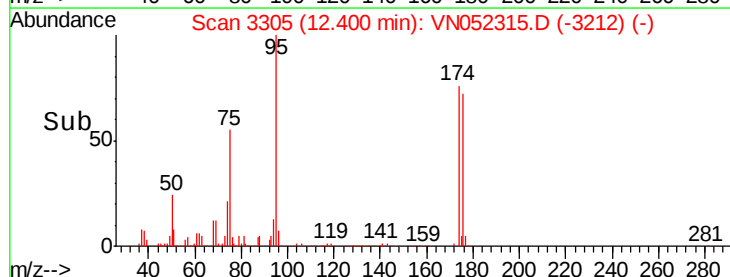
Abundance Ion 94.90 (94.60 to 95.60): V

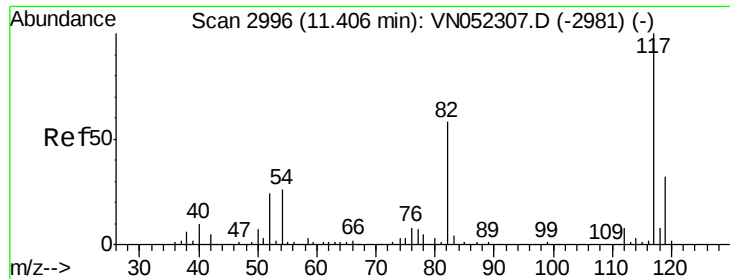
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

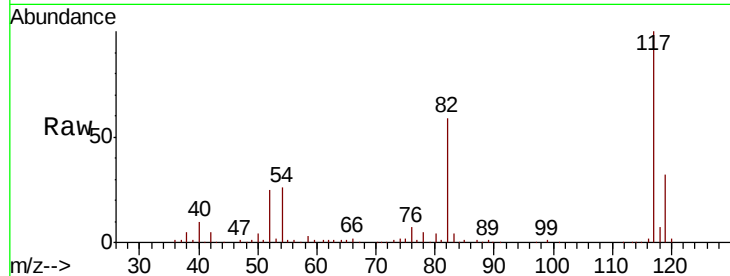




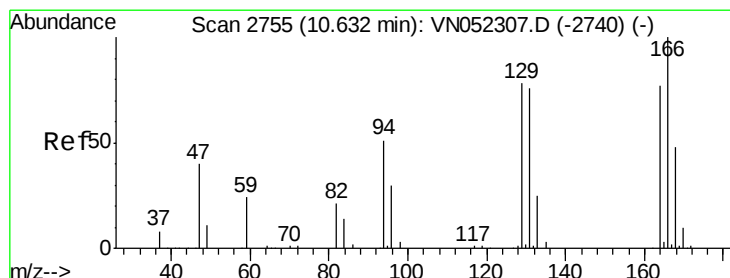
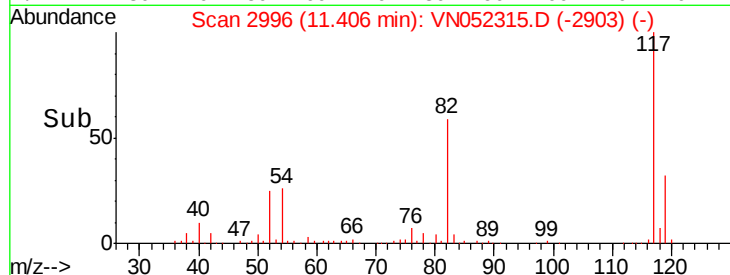
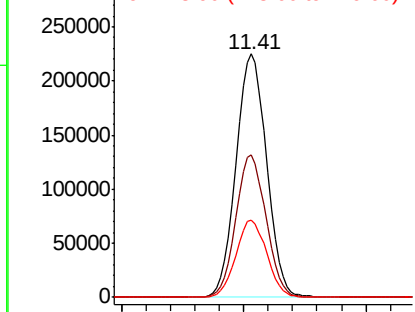
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion:117 Resp: 389676
Ion Ratio Lower Upper
117 100
82 58.6 46.5 69.7
119 31.9 25.7 38.5

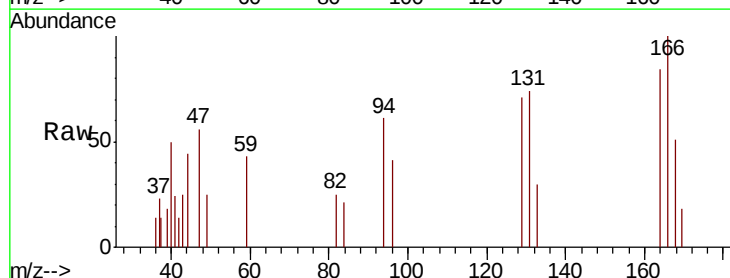


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

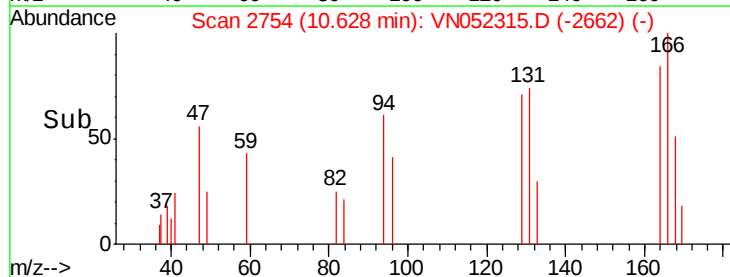
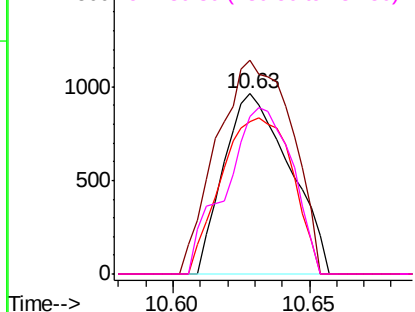


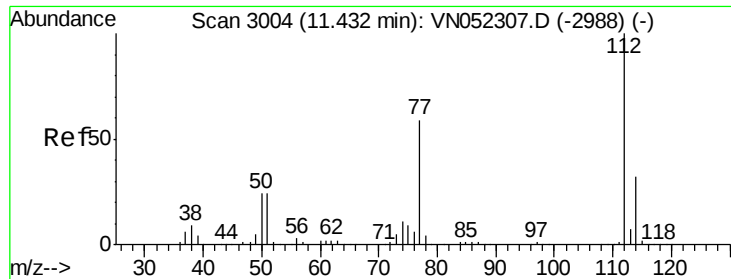
#64
Tetrachloroethene
Concen: 0.585 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion:164 Resp: 1620
Ion Ratio Lower Upper
164 100
166 118.5 103.8 155.6
129 84.6 80.7 121.1
131 87.2 78.5 117.7



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





#65

Chlorobenzene

Concen: 0.535 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

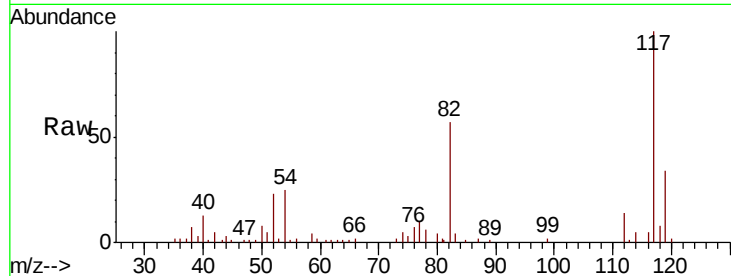
LOD-MDL-WATER-01-QT4-2018

Tot Ion:112 Resp: 4408

Ion Ratio Lower Upper

112 100

114 36.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

3000

2500

2000

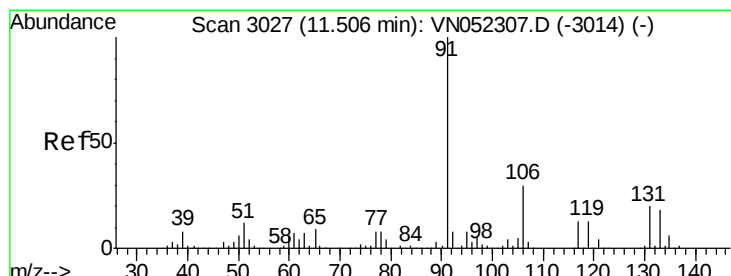
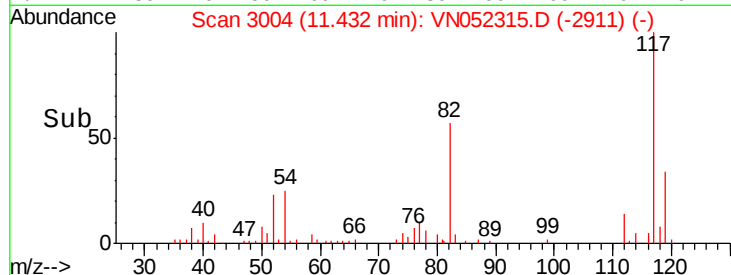
1500

1000

500

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.569 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

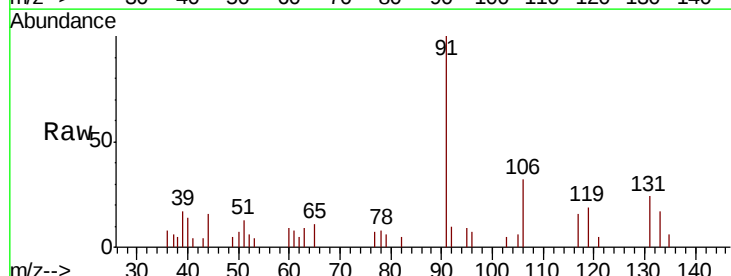
Tgt Ion:131 Resp: 1597

Ion Ratio Lower Upper

131 100

133 84.8 47.4 142.3

119 0.0 33.3 99.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

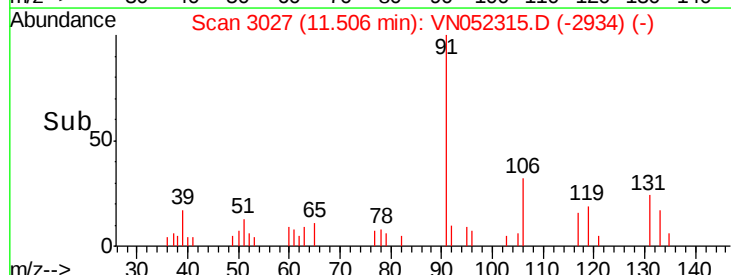
Ion 118.80 (118.50 to 119.50): V

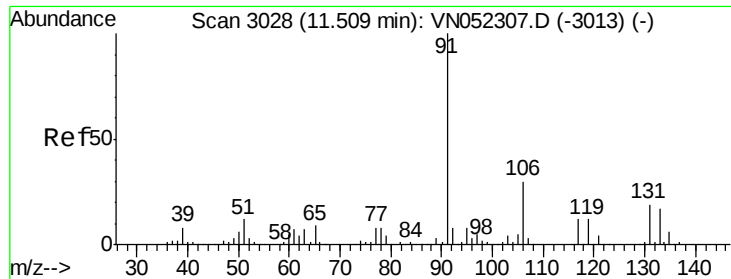
1000

500

0

Time-->

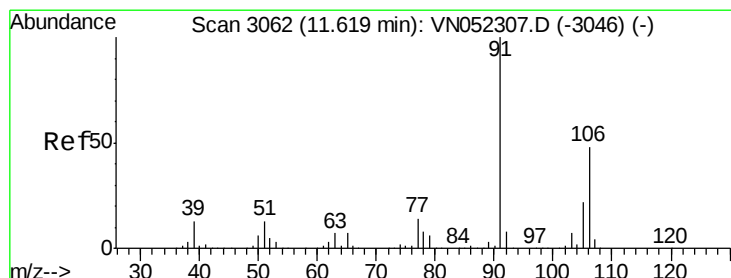
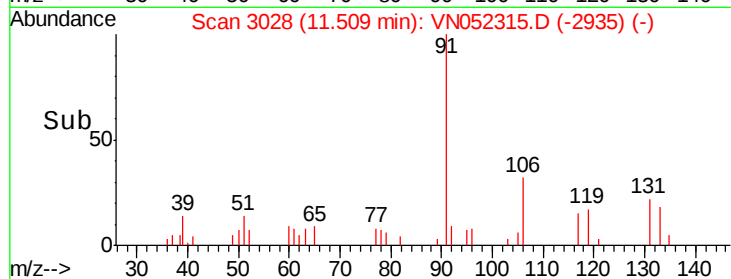
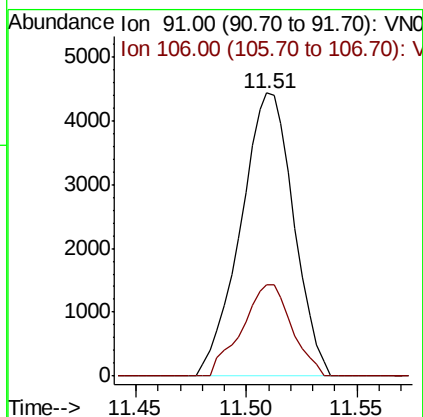
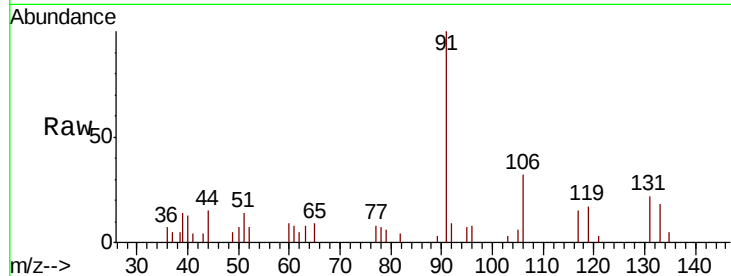




#67
Ethyl Benzene
Concen: 0.517 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

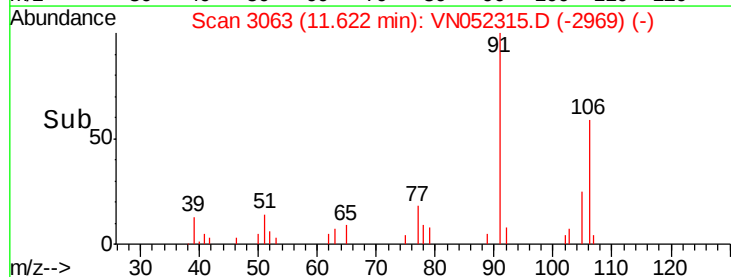
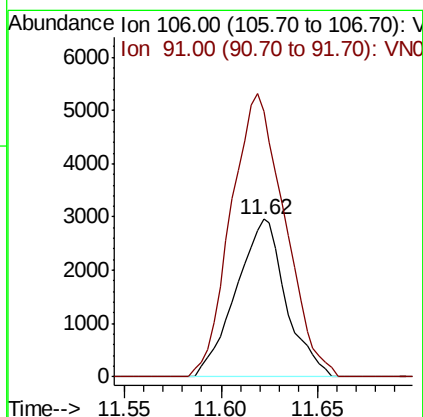
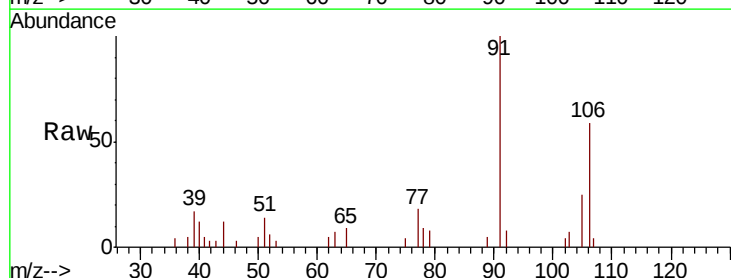
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

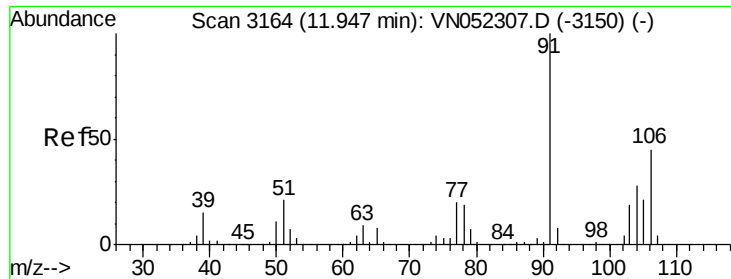
Tot Ion: 91 Resp: 7390
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.2



#68
m/p-Xylenes
Concen: 1.017 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion: 106 Resp: 5311
Ion Ratio Lower Upper
106 100
91 192.8 165.5 248.3

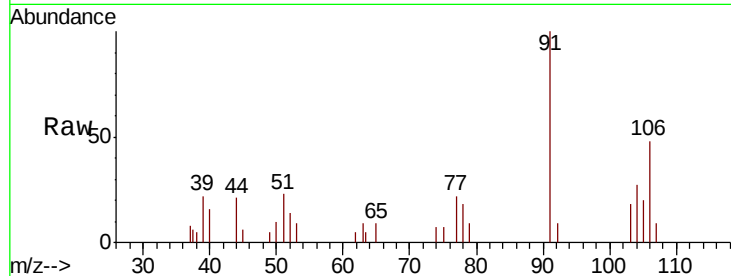




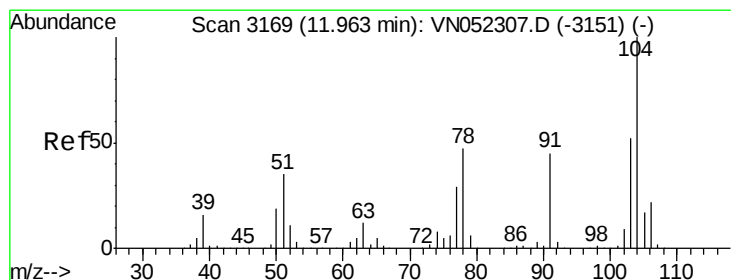
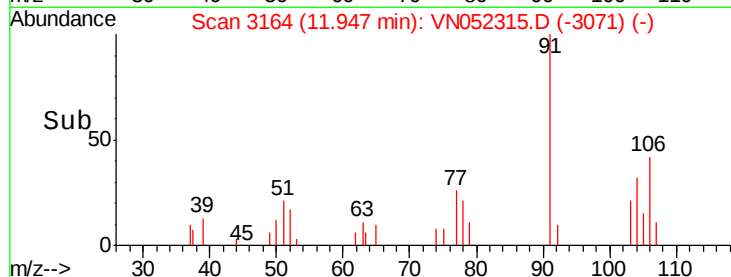
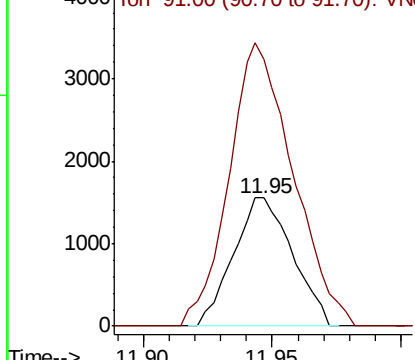
#69
o-Xylene
Concen: 0.495 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion:106 Resp: 2477
Ion Ratio Lower Upper
106 100
91 238.6 110.0 330.0

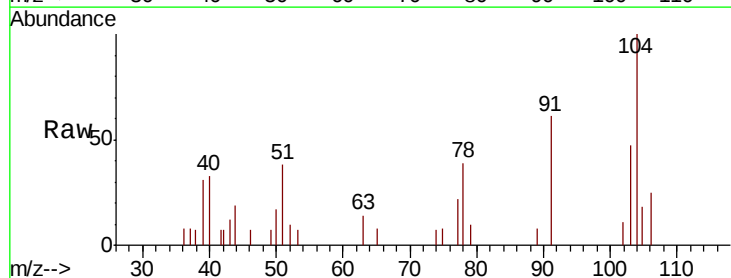


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

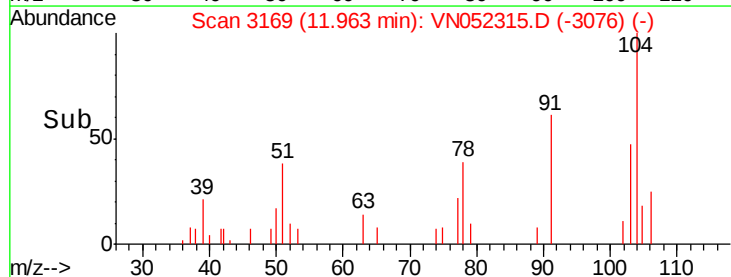
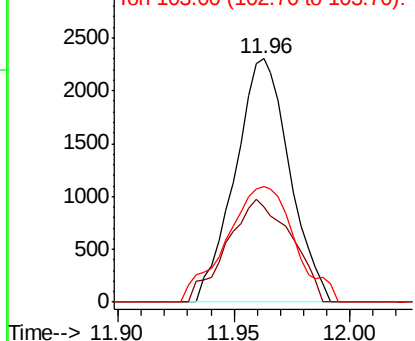


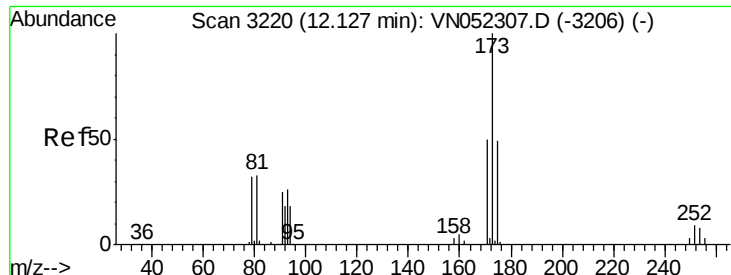
#70
Styrene
Concen: 0.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion:104 Resp: 3755
Ion Ratio Lower Upper
104 100
78 49.8 42.7 64.1
103 59.4 45.4 68.0



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

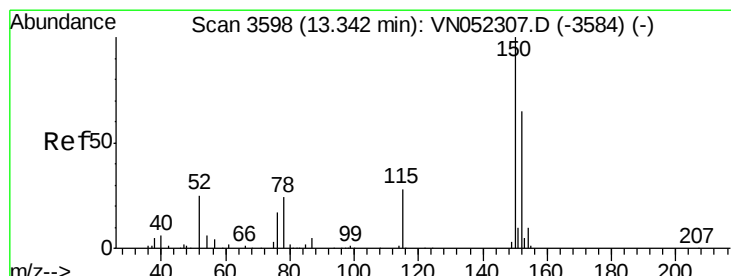
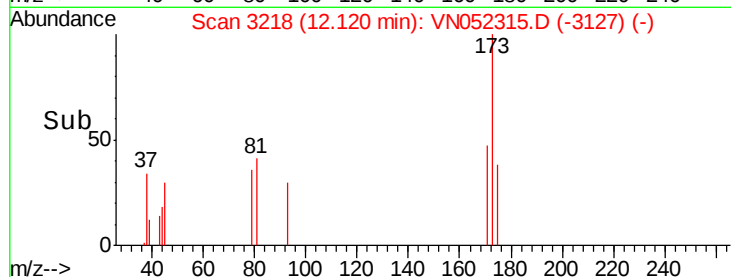
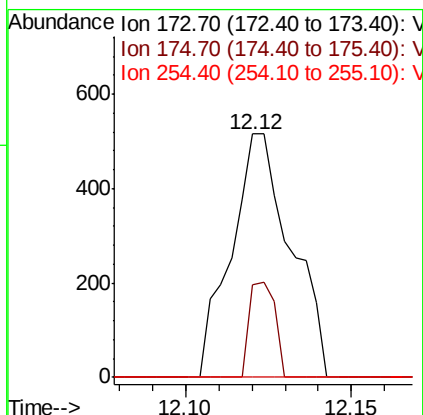
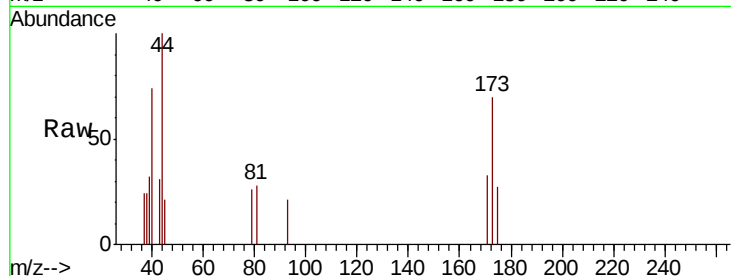




#71
Bromoform
Concen: 0.391 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

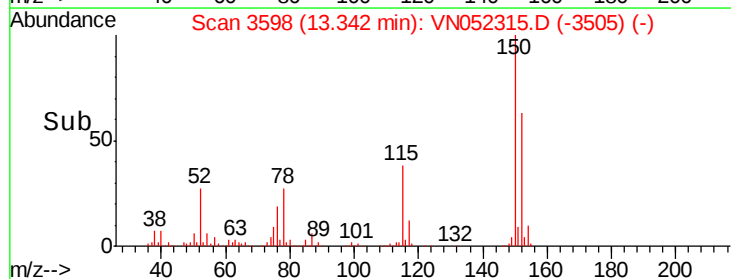
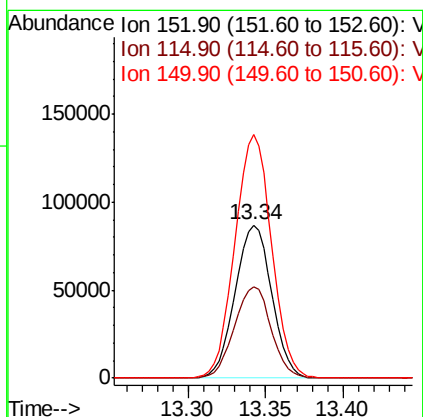
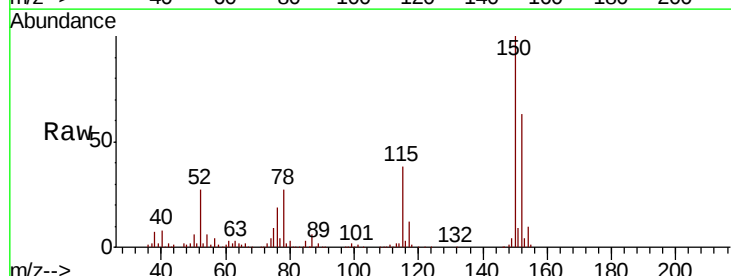
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

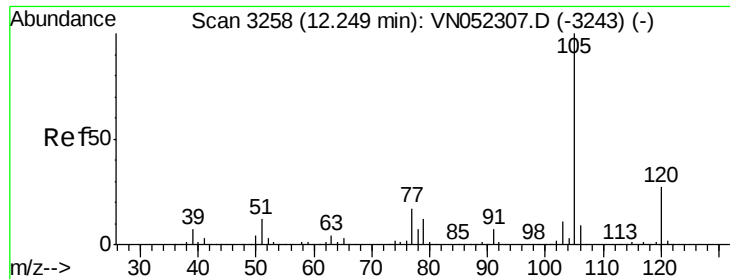
Tot Ion:173 Resp: 648
Ion Ratio Lower Upper
173 100
175 0.0 25.0 75.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion:152 Resp: 142857
Ion Ratio Lower Upper
152 100
115 59.9 30.3 91.0
150 159.2 0.0 348.2





#73

Isopropylbenzene

Concen: 0.518 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

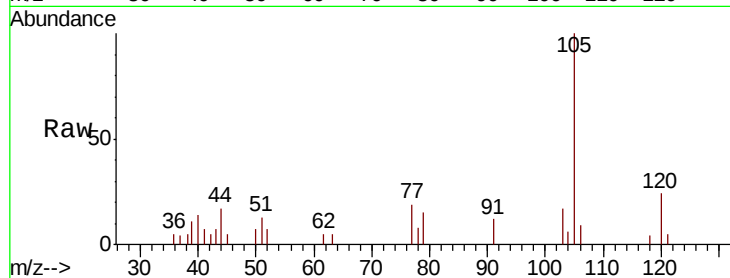
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 105 Resp: 5945

Ion Ratio Lower Upper

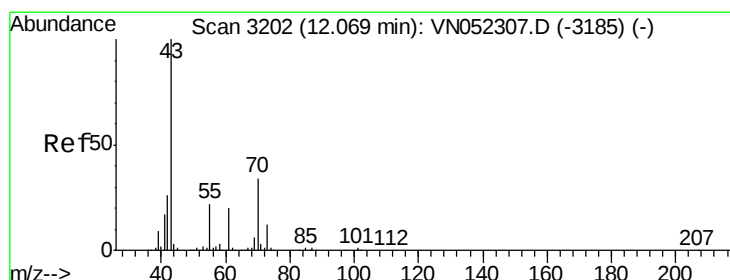
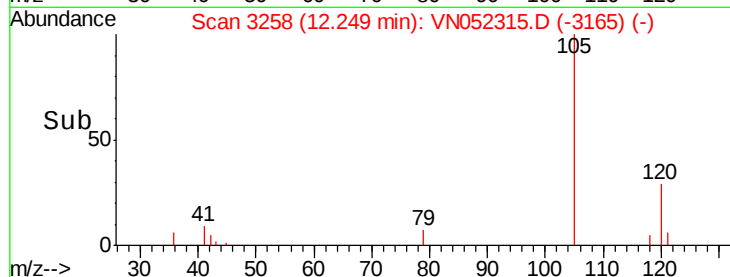
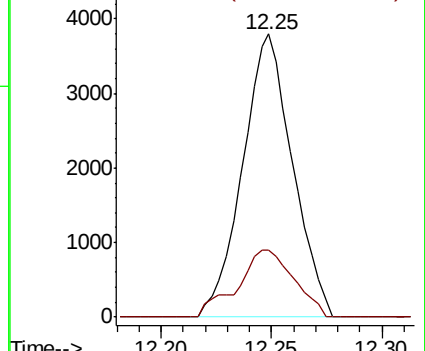
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.413 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Tgt Ion: 43 Resp: 1691

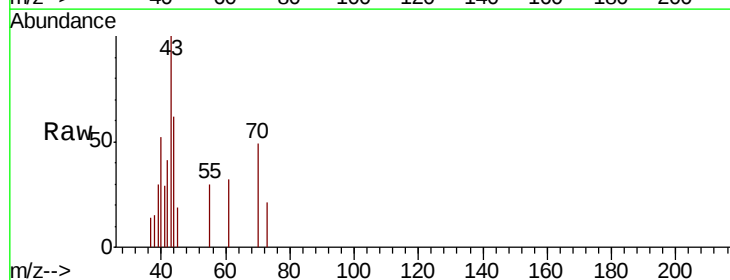
Ion Ratio Lower Upper

43 100

70 55.2 27.1 40.7#

55 37.3 17.4 26.0#

61 29.3 16.1 24.1#

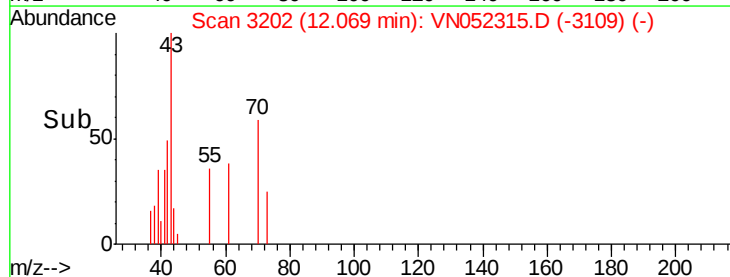
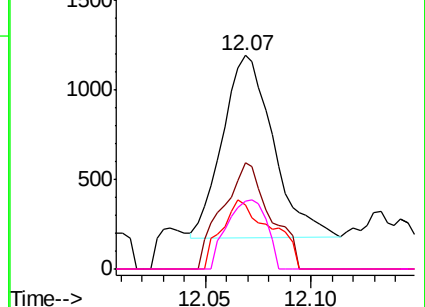


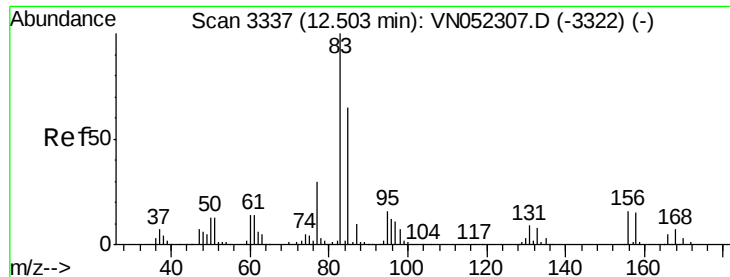
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.689 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

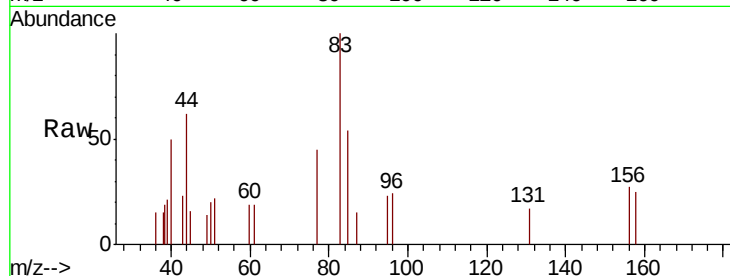
Tot Ion: 83 Resp: 1913

Ion Ratio Lower Upper

83 100

131 5.5 4.7 14.1

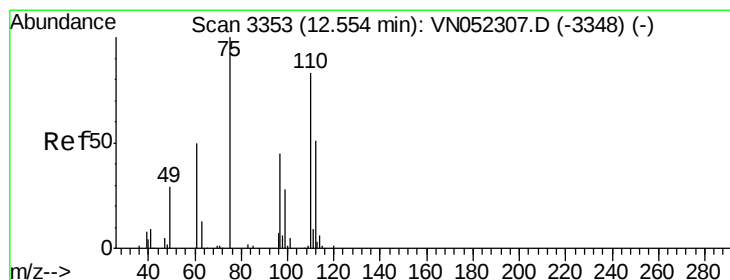
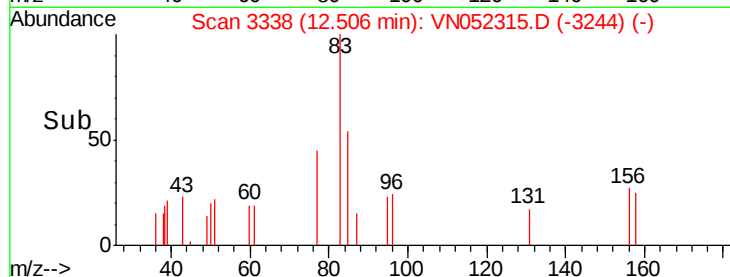
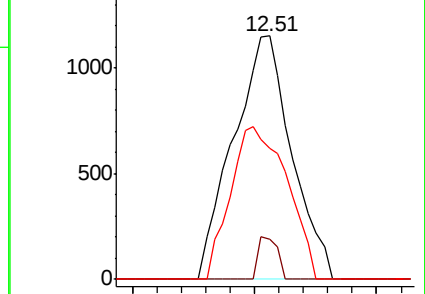
85 61.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.600 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052315.D

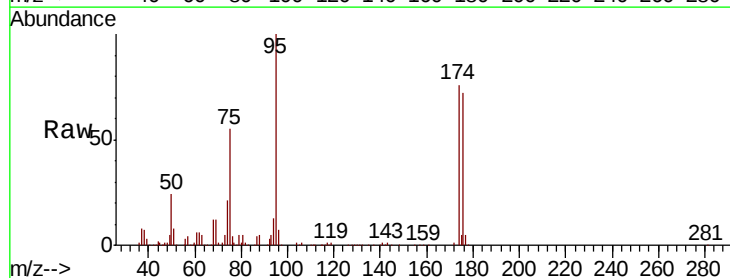
Acq: 14 Nov 2018 16:15

Tgt Ion: 75 Resp: 91142

Ion Ratio Lower Upper

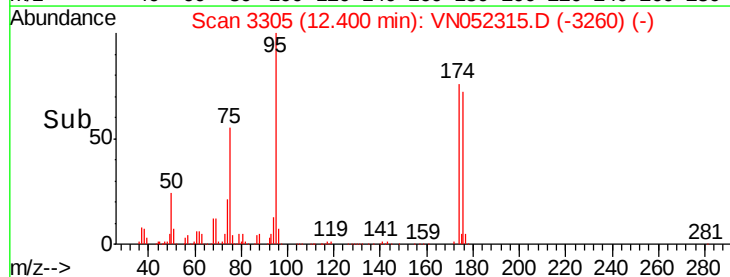
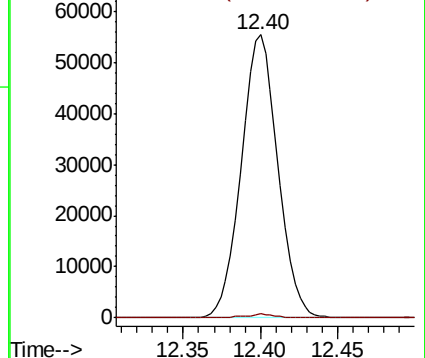
75 100

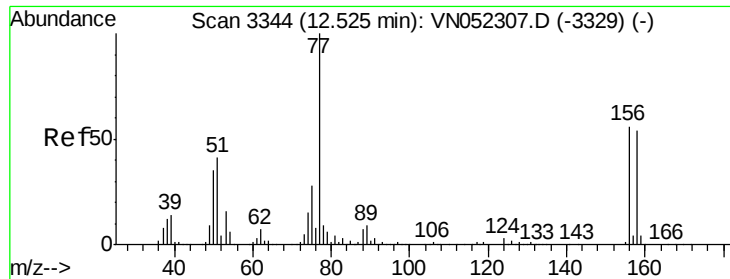
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.656 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

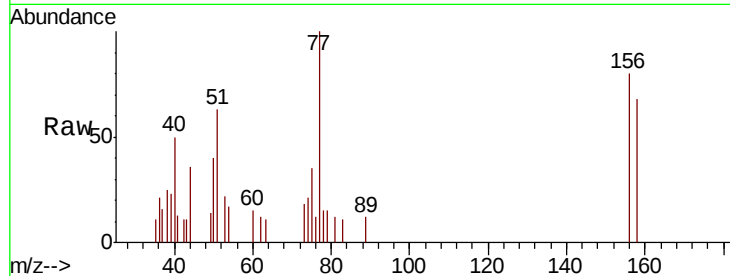
Tot Ion:156 Resp: 1752

Ion Ratio Lower Upper

156 100

77 206.5 103.6 310.9

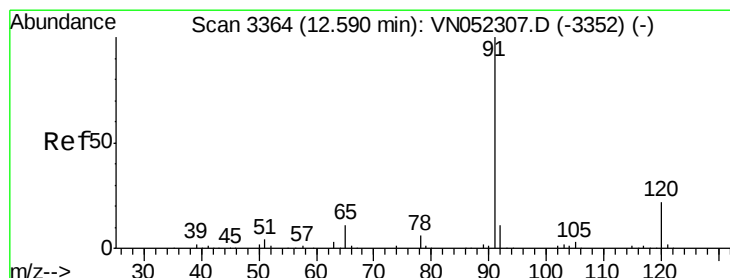
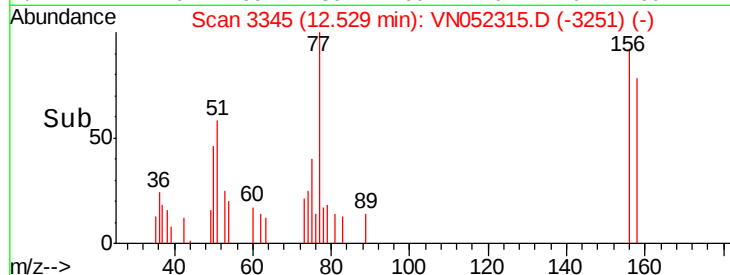
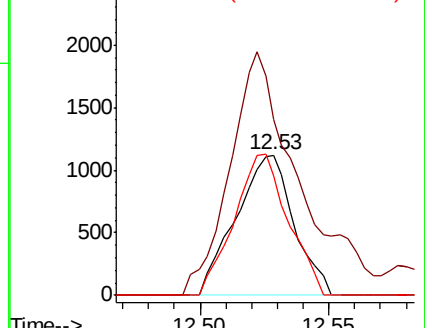
158 93.9 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.511 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052315.D

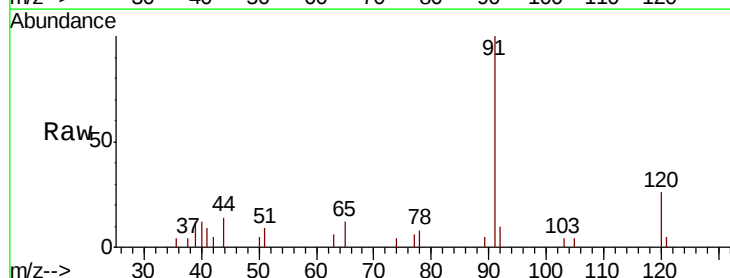
Acq: 14 Nov 2018 16:15

Tgt Ion: 91 Resp: 6862

Ion Ratio Lower Upper

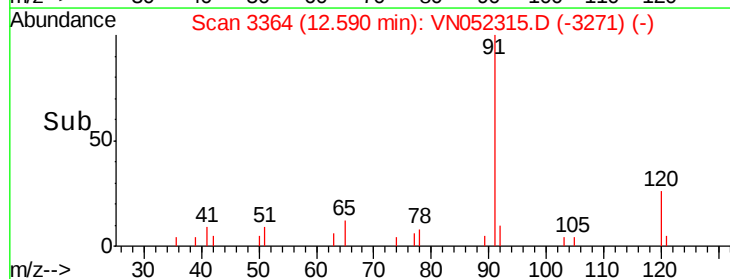
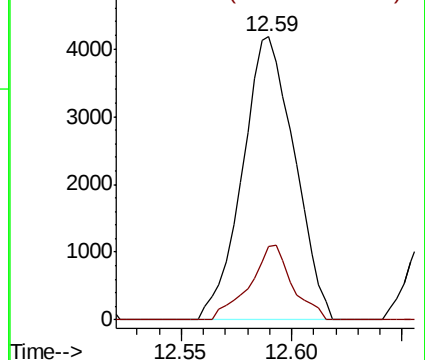
91 100

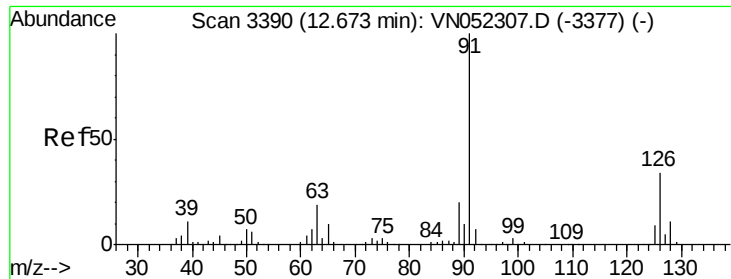
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.625 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

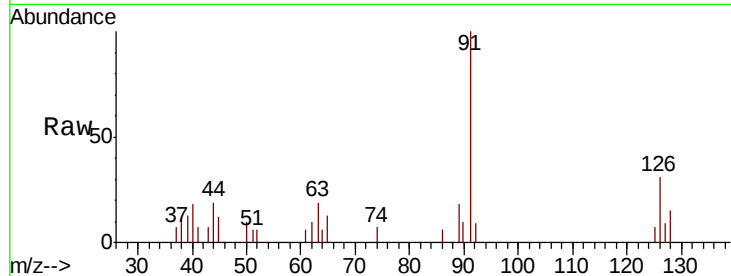
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 91 Resp: 4906

Ion Ratio Lower Upper

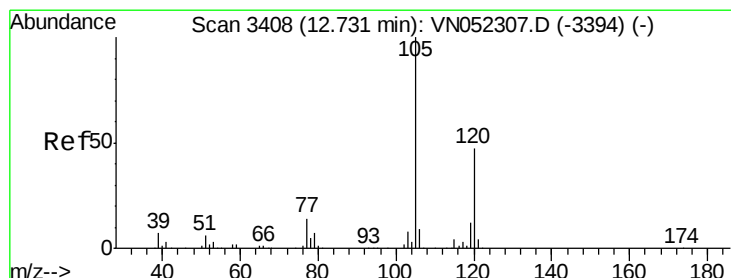
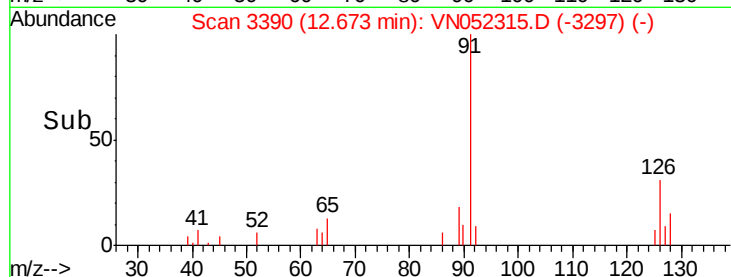
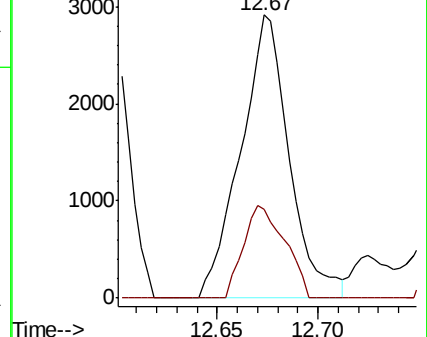
91 100

126 28.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.559 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052315.D

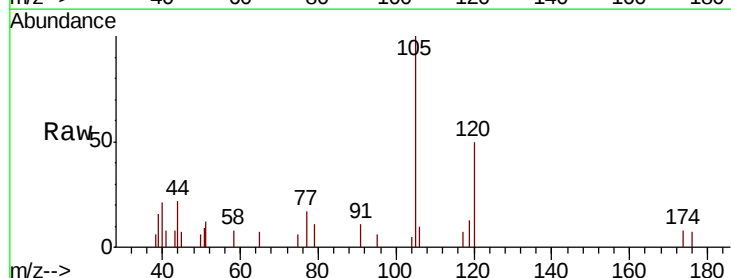
Acq: 14 Nov 2018 16:15

Tgt Ion: 105 Resp: 5106

Ion Ratio Lower Upper

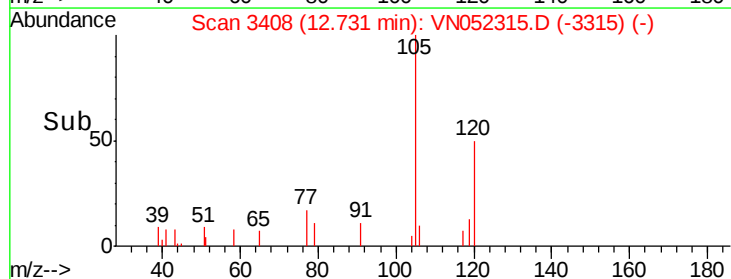
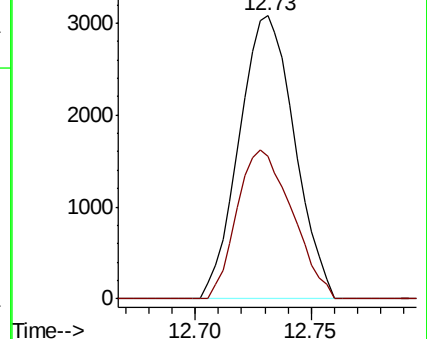
105 100

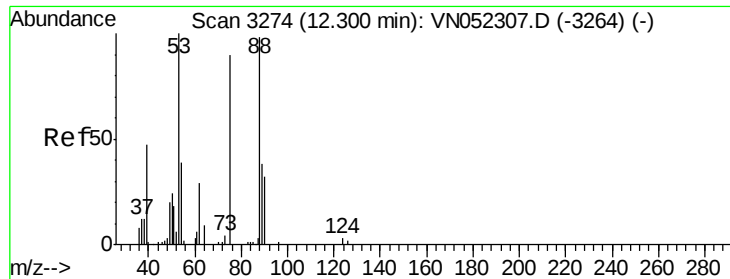
120 52.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 121.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

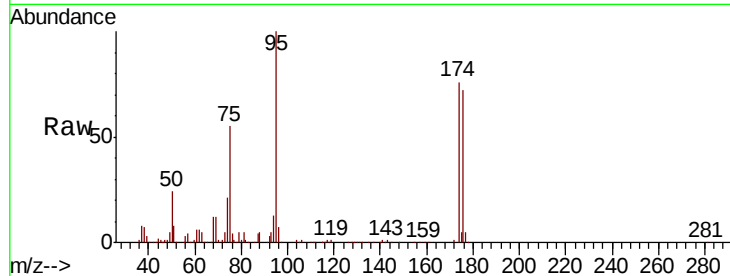
Tot Ion: 75 Resp: 91142

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

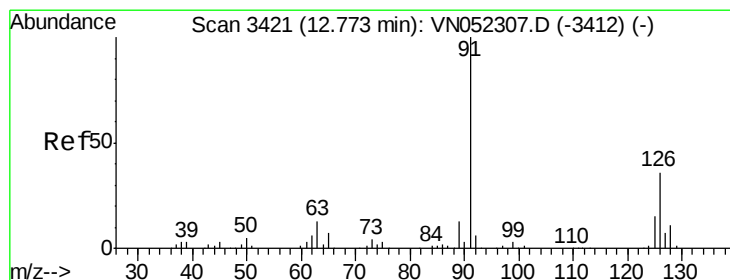
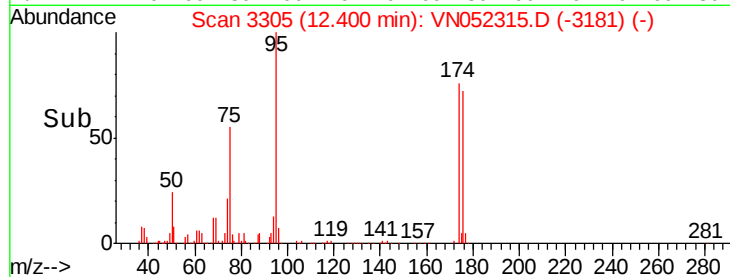
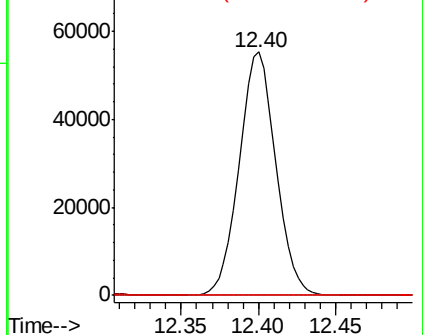
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.575 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052315.D

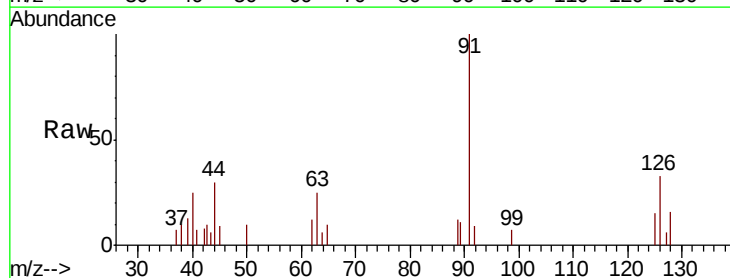
Acq: 14 Nov 2018 16:15

Tgt Ion: 91 Resp: 4620

Ion Ratio Lower Upper

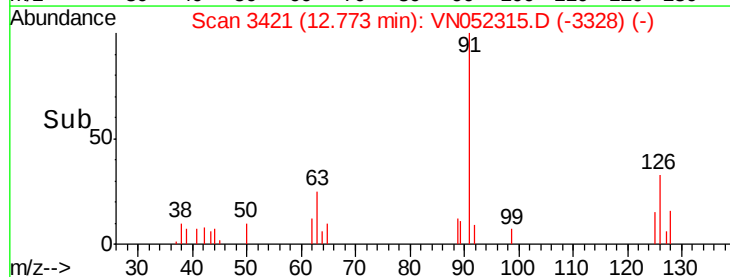
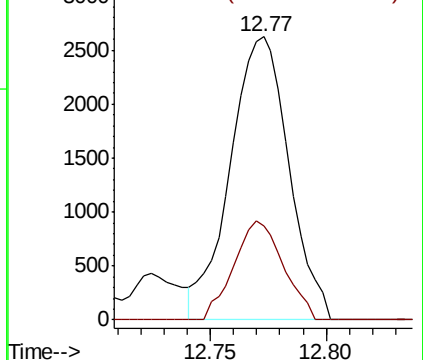
91 100

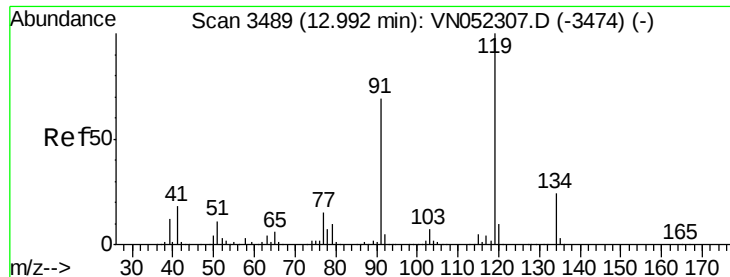
126 29.4 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.591 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

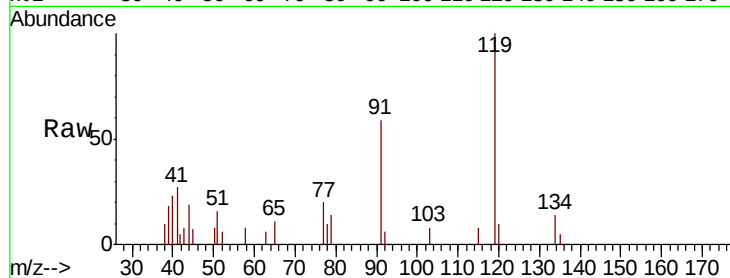
Tot Ion:119 Resp: 4762

Ion Ratio Lower Upper

119 100

91 61.9 33.8 101.3

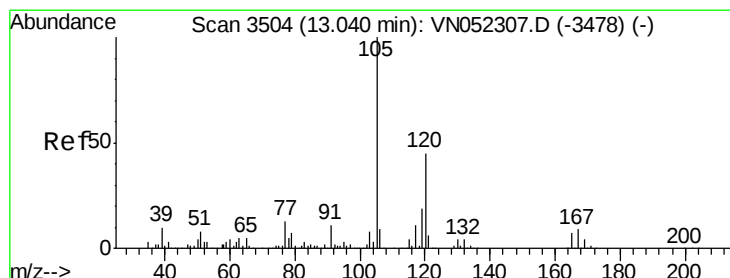
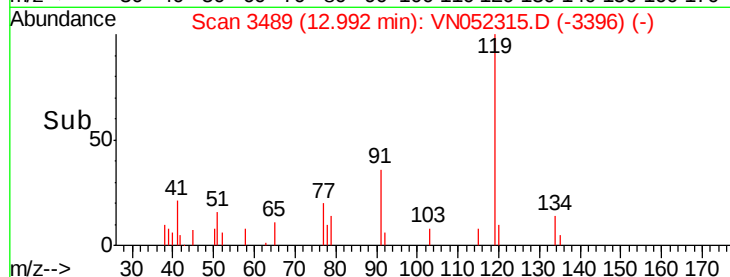
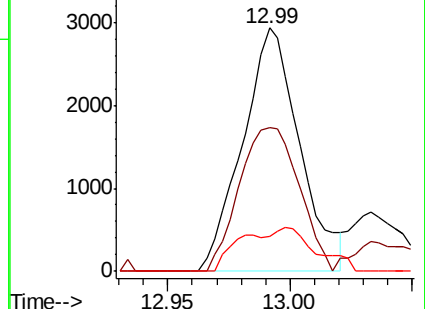
134 13.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.517 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052315.D

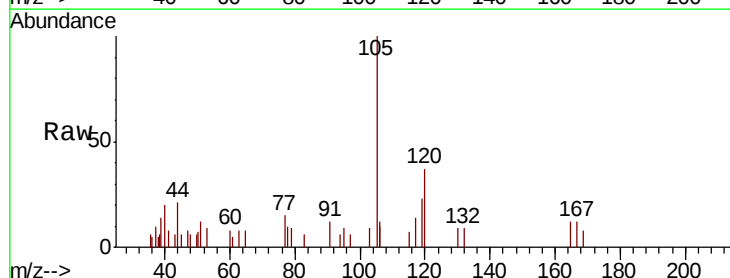
Acq: 14 Nov 2018 16:15

Tgt Ion:105 Resp: 4744

Ion Ratio Lower Upper

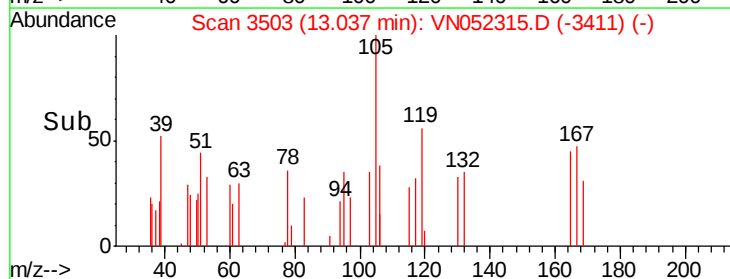
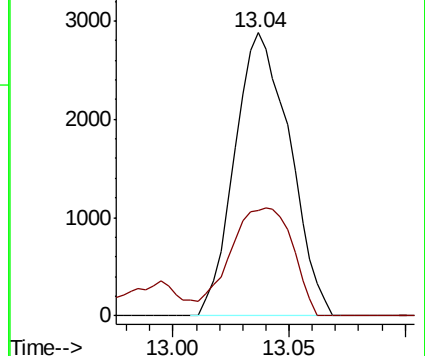
105 100

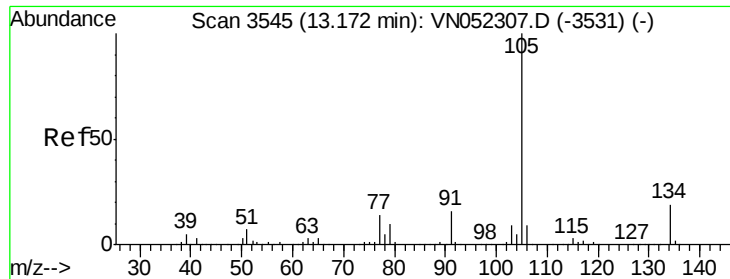
120 43.2 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

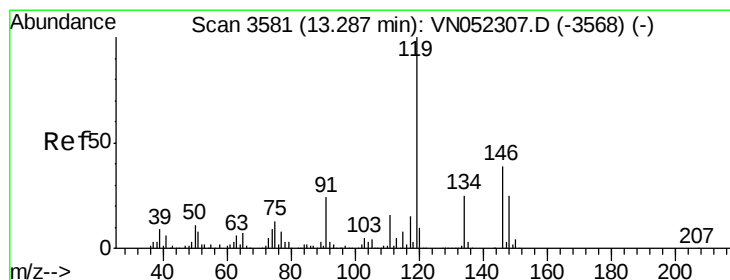
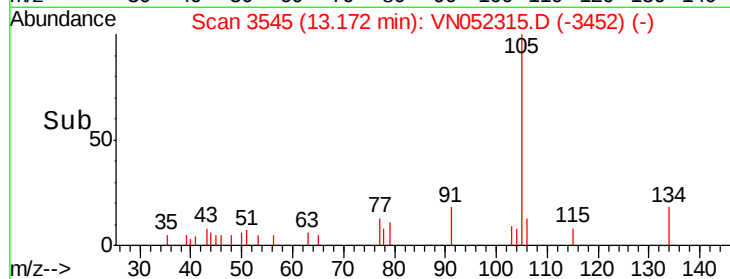
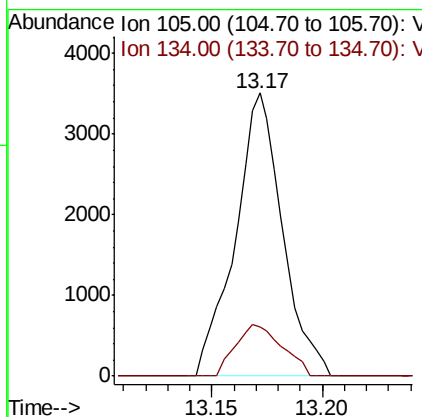
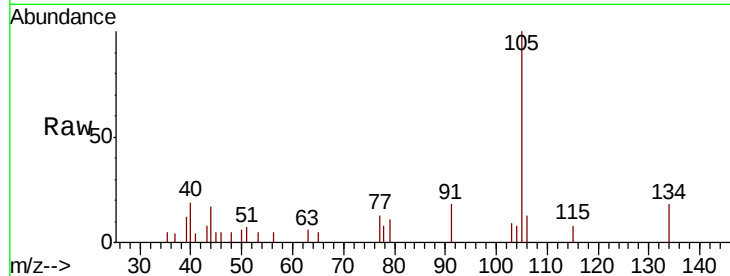




#85
 sec-Butylbenzene
 Concen: 0.475 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

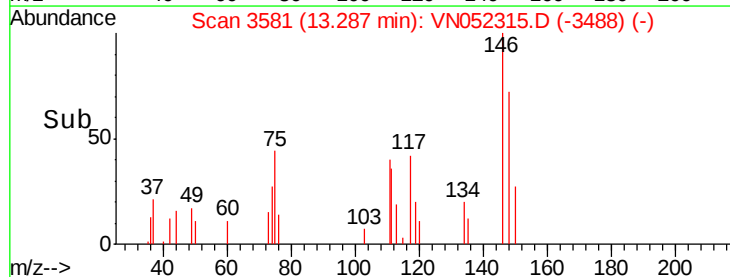
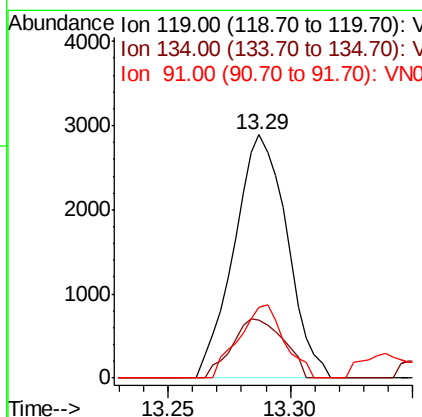
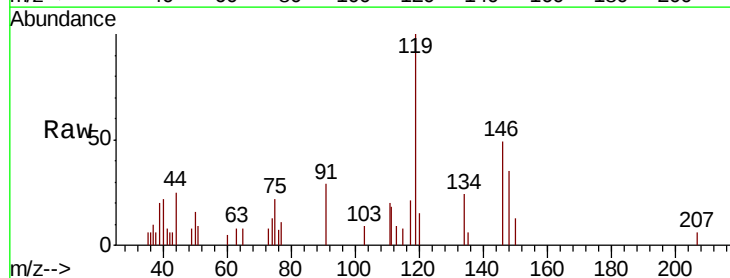
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

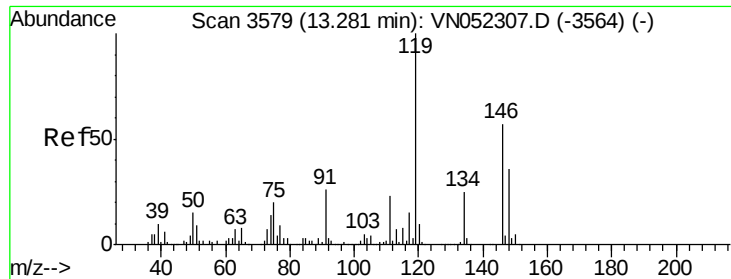
Tot Ion:105 Resp: 5216
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 0.468 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion:119 Resp: 4357
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.0 38.9
 91 25.6 12.4 37.0

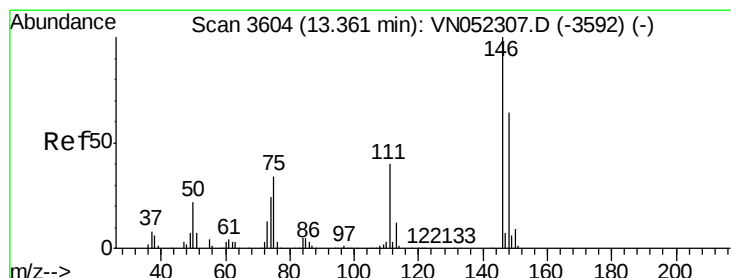
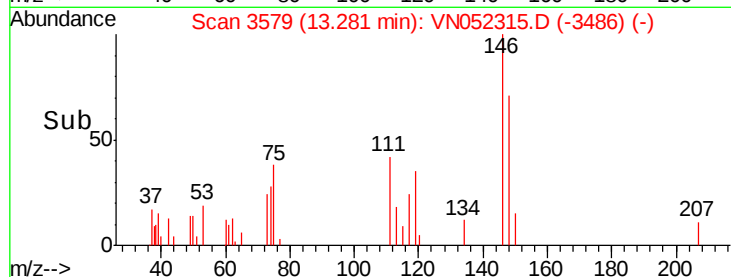
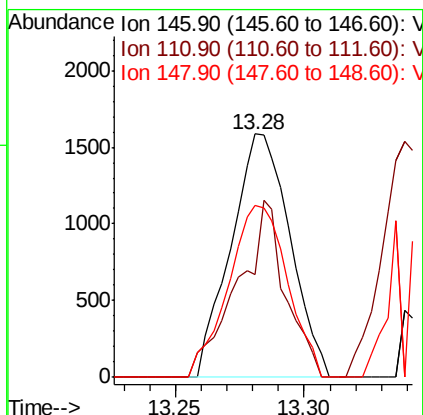
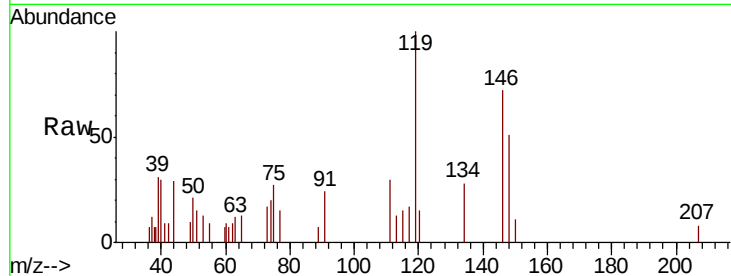




#87
 1,3-Dichlorobenzene
 Concen: 0.532 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

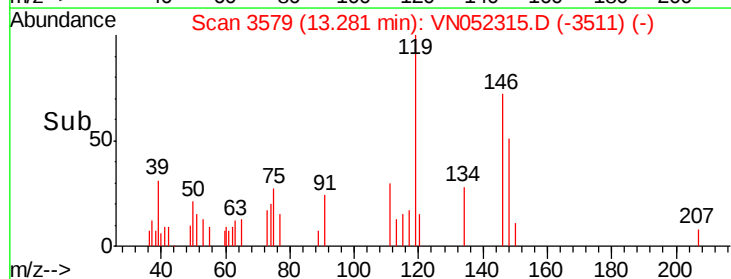
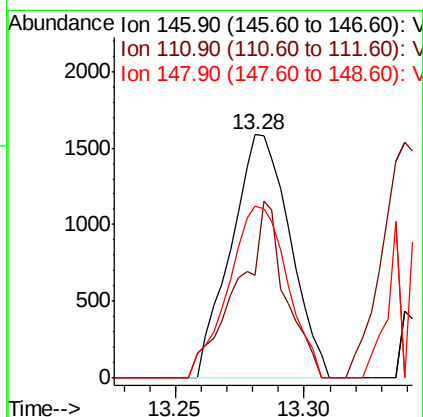
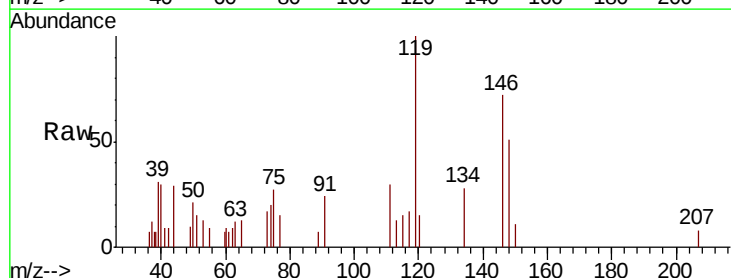
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

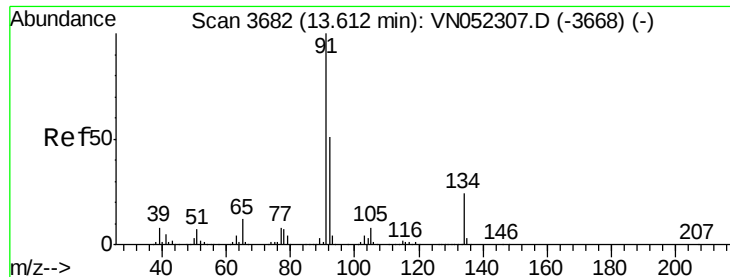
Tot Ion:146 Resp: 2524
 Ion Ratio Lower Upper
 146 100
 111 58.7 20.3 61.0
 148 70.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 0.535 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Tgt Ion:146 Resp: 2524
 Ion Ratio Lower Upper
 146 100
 111 58.7 20.6 61.8
 148 70.6 32.4 97.2





#89

n-Butylbenzene

Concen: 0.498 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

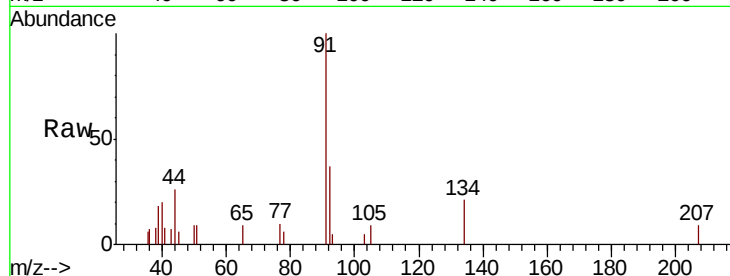
Tot Ion: 91 Resp: 3977

Ion Ratio Lower Upper

91 100

92 49.2 25.4 76.2

134 21.0 12.2 36.4

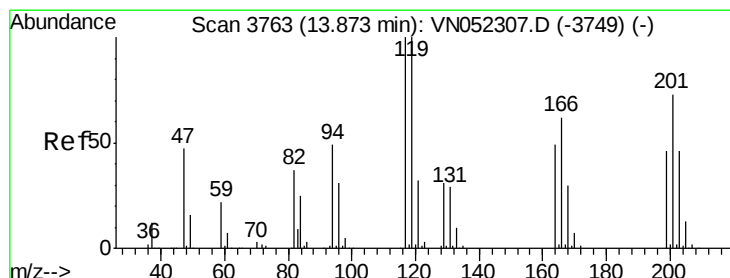
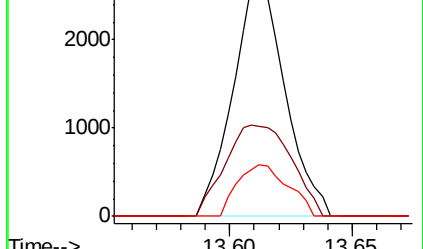
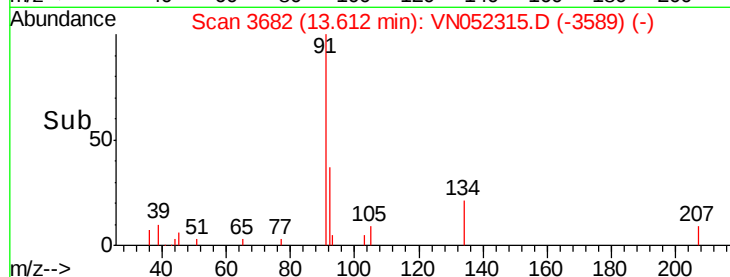


Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 0.485 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN052315.D

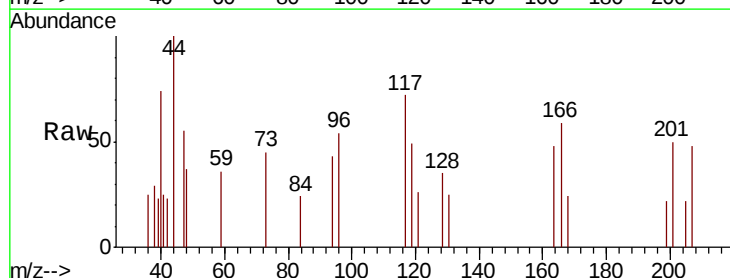
Acq: 14 Nov 2018 16:15

Tgt Ion: 117 Resp: 799

Ion Ratio Lower Upper

117 100

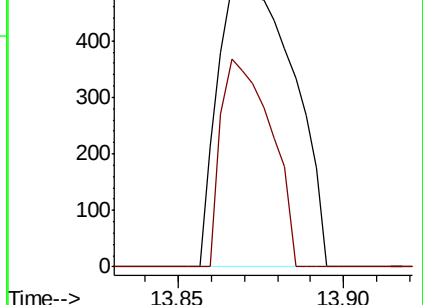
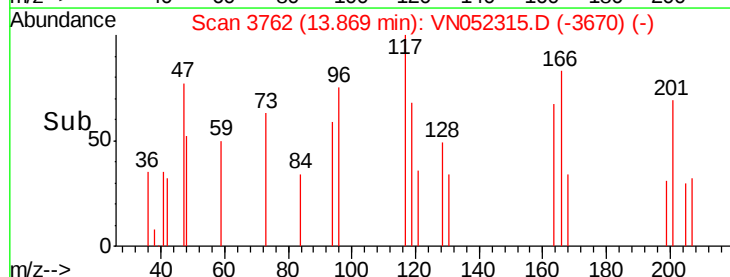
201 48.2 35.3 105.9

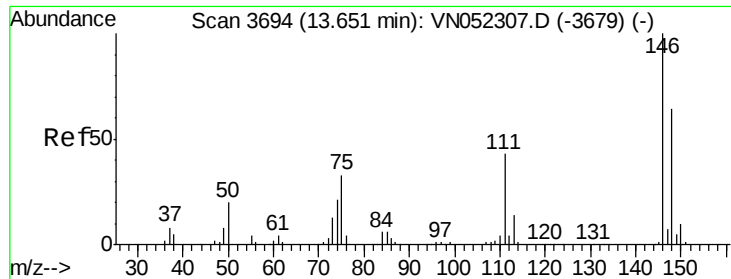


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.517 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

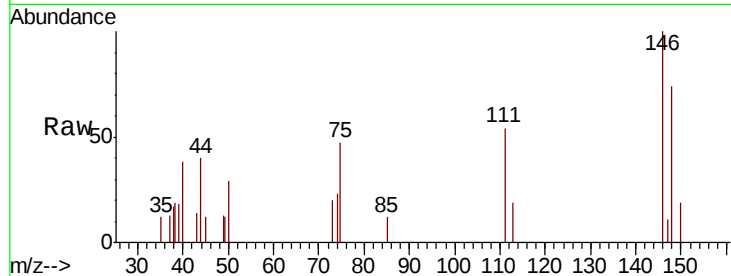
Tot Ion:146 Resp: 2378

Ion Ratio Lower Upper

146 100

111 45.9 21.3 63.9

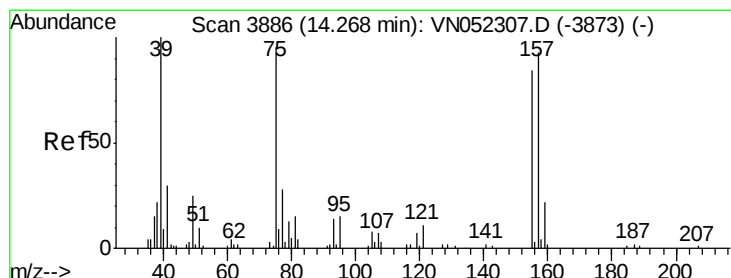
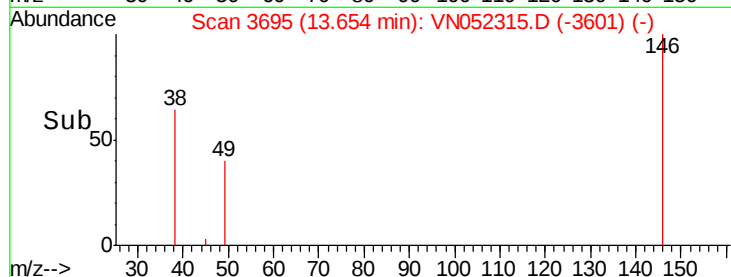
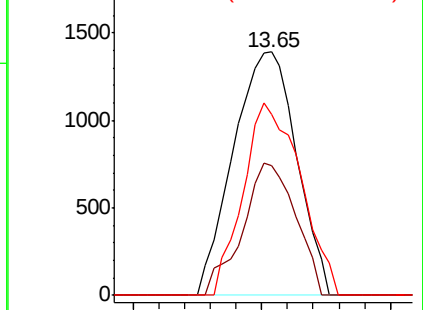
148 71.9 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.259 ug/l

RT: 14.44 min Scan# 3940

Delta R.T. 0.17 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

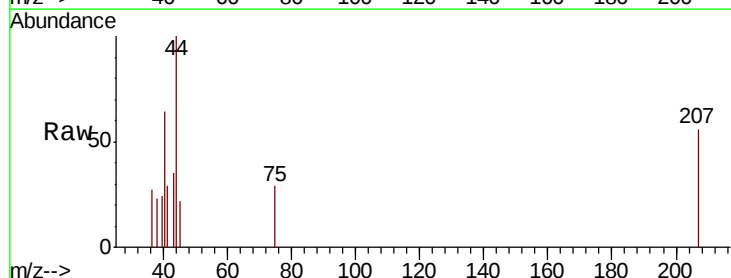
Tgt Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.3#

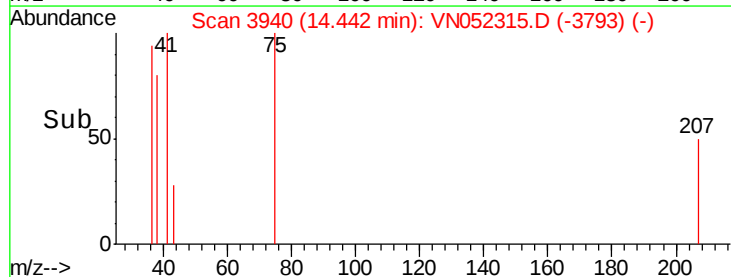
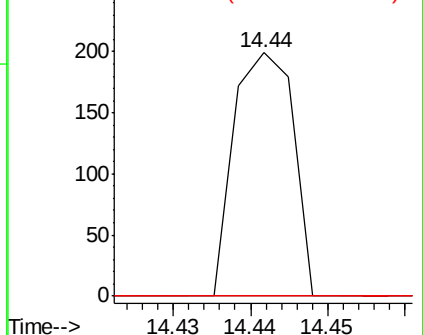
157 0.0 49.6 149.0#

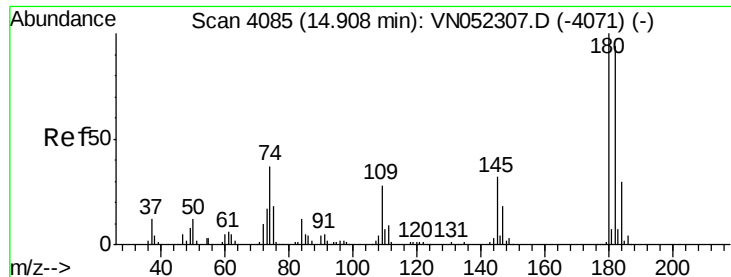


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

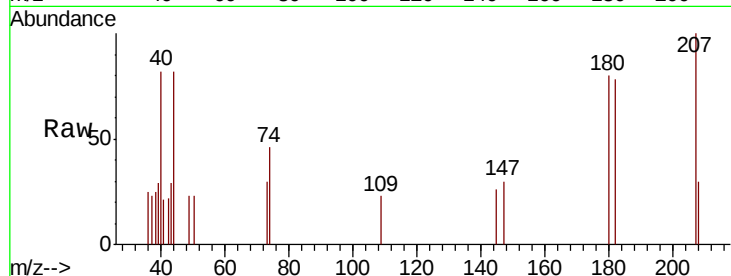




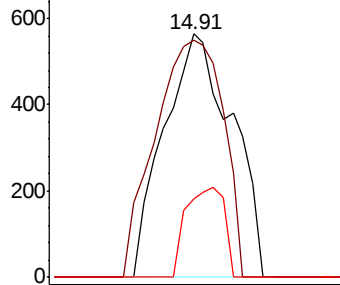
#93
 1,2,4-Trichlorobenzene
 Concen: 2.643 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

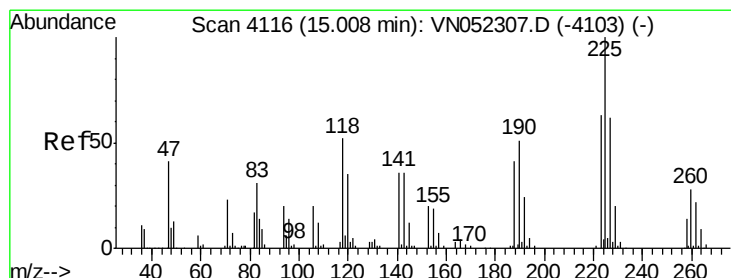
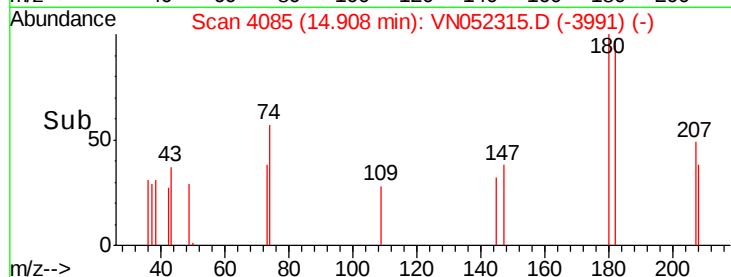
Tot Ion:180 Resp: 866
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.6 142.9
 145 20.7 15.5 46.5



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

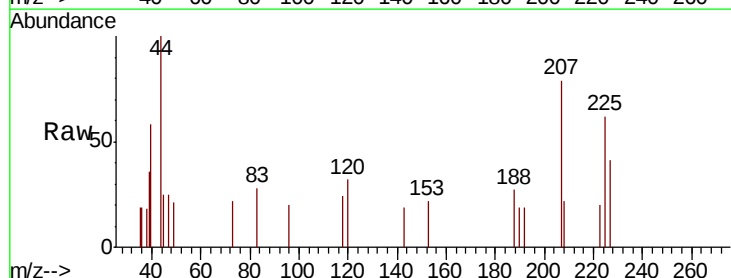


Time-->

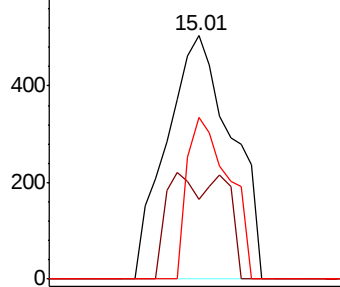


#94
 Hexachlorobutadiene
 Concen: 0.656 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052315.D
 Acq: 14 Nov 2018 16:15

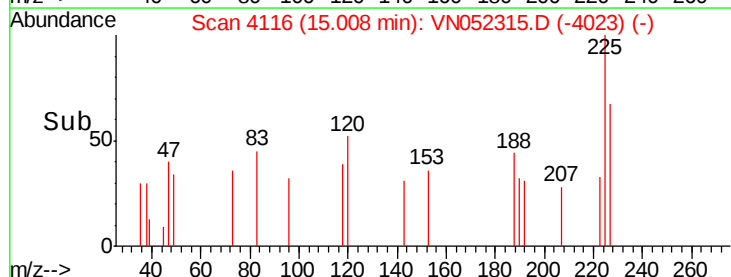
Tgt Ion:225 Resp: 690
 Ion Ratio Lower Upper
 225 100
 223 21.6 31.9 95.5#
 227 42.5 31.6 95.0

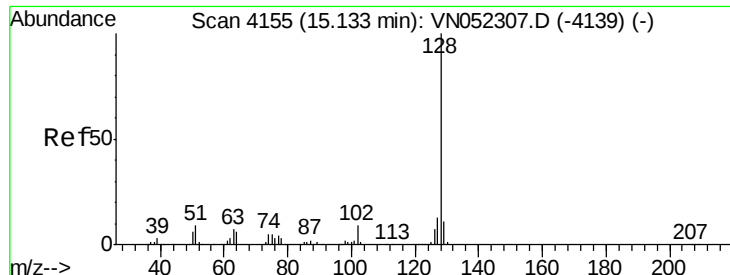


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

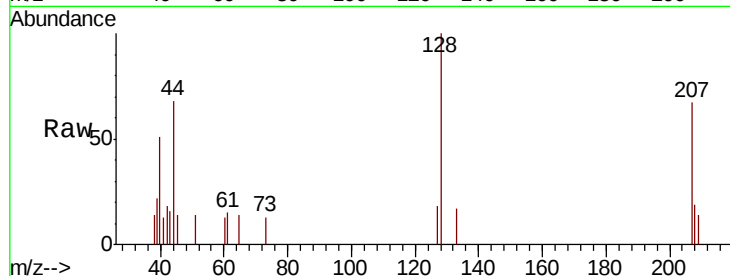




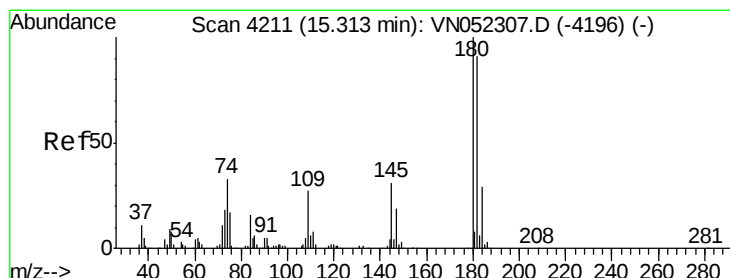
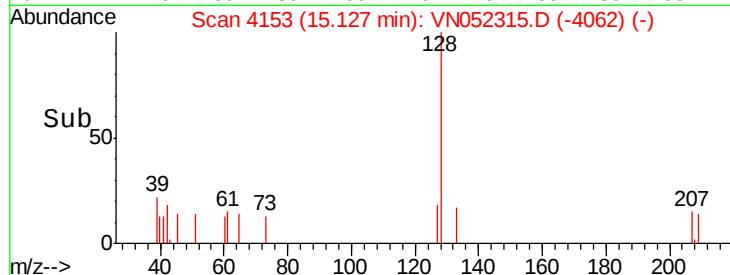
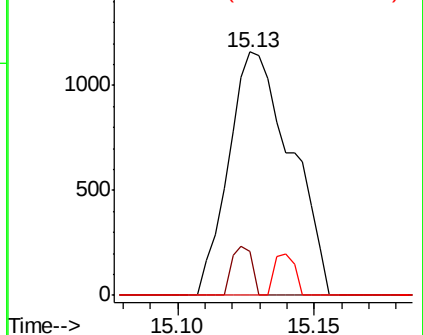
#95
Naphthalene
Concen: 2.951 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion:128 Resp: 1851
Ion Ratio Lower Upper
128 100
127 6.6 10.4 15.6#
129 5.6 8.6 13.0#

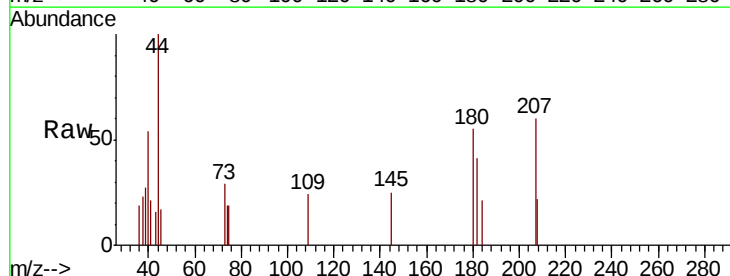


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.413 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion:180 Resp: 721
Ion Ratio Lower Upper
180 100
182 69.5 46.5 139.3
145 21.4 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

