

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064275.D
 Acq On : 23 Oct 2020 1:11
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Quant Time: Oct 23 03:51:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45373	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	265498	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	229617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131827	35.49	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	118.30%#
60) 4-Bromofluorobenzene	12.38	95	119627	29.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.90%
63) Toluene-d8	10.06	98	316879	30.48	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	5309	1.705 ug/l	98
3) Chloromethane	2.04	50	6734	2.111 ug/l	91
4) Vinyl Chloride	2.17	62	7070	2.253 ug/l	99
5) Bromomethane	2.53	94	5271	2.807 ug/l	84
6) Chloroethane	2.68	64	4239	2.319 ug/l	98
7) Trichlorofluoromethane	2.99	101	12268	2.435 ug/l	99
8) Diethyl Ether	3.38	74	3845	2.248 ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.72	101	4122	1.550 ug/l	76
10) 1,1-Dichloroethene	3.70	96	5889	2.275 ug/l	91
11) Methyl Iodide	3.92	142	7164	1.920 ug/l	95
12) Methyl Acetate	4.28	43	3880	1.422 ug/l	95
13) Acrolein	3.57	56	3544	11.878 ug/l #	72
14) Acrylonitrile	4.93	53	5605	5.097 ug/l #	33
15) Acetone	3.79	58	3855	12.984 ug/l #	50
16) Carbon Disulfide	4.01	76	15710	2.122 ug/l #	93
17) Allyl chloride	4.28	41	6563	1.363 ug/l	84
18) Methylene Chloride	4.51	84	7298	2.465 ug/l #	91
19) trans-1,2-Dichloroethene	4.99	96	4124	1.477 ug/l #	76
20) Diisopropyl ether	5.88	45	5770	0.649 ug/l #	58
22) cis-1,2-Dichloroethene	6.78	96	6334	1.940 ug/l #	73
23) tert-Butyl Alcohol	4.73	59	6012	11.820 ug/l #	100
25) Chloroform	7.32	83	13788	2.443 ug/l	84
26) Cyclohexane	7.61	56	8987	2.087 ug/l #	79
29) 1,1-Dichloropropene	7.76	75	9351	2.121 ug/l	85
30) 2-Butanone	6.79	43	19251	10.588 ug/l #	82
31) 2,2-Dichloropropane	6.77	77	10698	1.911 ug/l #	66
32) 1,1,1-Trichloroethane	7.53	97	12221	2.175 ug/l #	56
33) Carbon Tetrachloride	7.73	117	11171	2.181 ug/l	99
34) Benzene	8.00	78	28825	2.348 ug/l #	17
35) Methacrylonitrile	7.12	41	3604	1.807 ug/l	79
36) 1,2-Dichloroethane	8.09	62	12059	2.428 ug/l #	95
37) Trichloroethene	8.80	130	7349	2.174 ug/l	81
38) Methylcyclohexane	9.05	83	8880	2.106 ug/l	97
39) 1,2-Dichloropropane	9.09	63	7614	2.324 ug/l #	84
40) Dibromomethane	9.17	93	5451	2.391 ug/l	73
41) Bromodichloromethane	9.37	83	11045	2.239 ug/l	99
42) Vinyl Acetate	5.85	43	95395	11.051 ug/l	99

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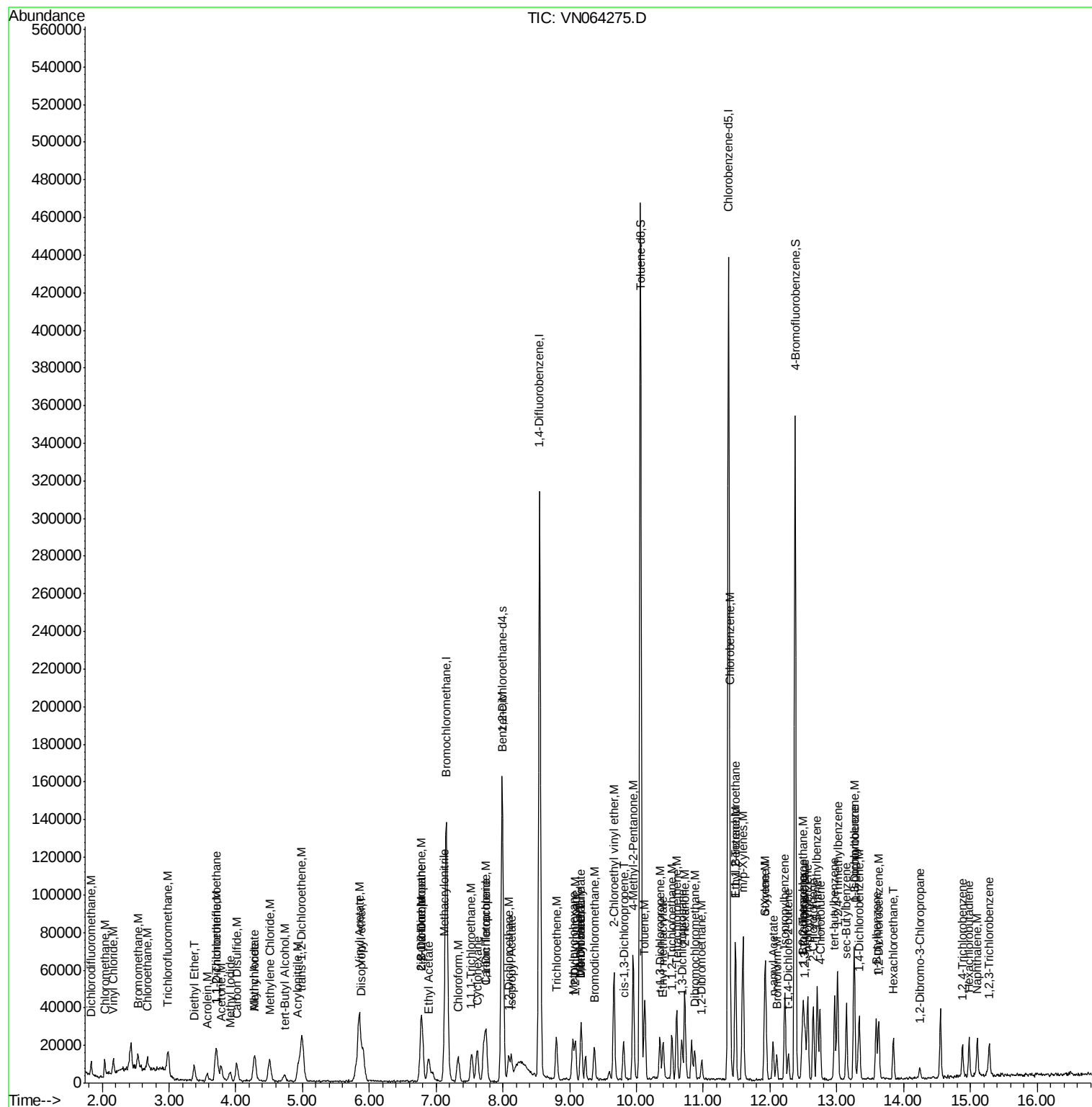
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.88	43	3245	0.817	ug/l #	29
44) Isopropyl Acetate	8.13	43	18651	2.446	ug/l #	74
45) 1,4-Dioxane	9.16	88	1458	32.699	ug/l	96
46) Methyl methacrylate	9.17	41	8846	2.445	ug/l	92
47) n-amyl Acetate	12.05	43	11346	1.678	ug/l #	85
48) t-1,3-Dichloropropene	10.35	75	11546	2.075	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	11559	2.010	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	6639	2.174	ug/l	94
51) Ethyl methacrylate	10.40	69	10094	2.090	ug/l	95
52) 1,3-Dichloropropane	10.68	76	10928	2.075	ug/l	85
53) Dibromochloromethane	10.87	129	8043	2.092	ug/l	100
54) 1,2-Dibromoethane	10.98	107	7317	2.254	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	25856	10.893	ug/l	97
56) Bromoform	12.10	173	4471	1.670	ug/l #	88
58) 4-Methyl-2-Pentanone	9.95	43	45992	11.820	ug/l	99
59) 2-Hexanone	10.72	43	32844	11.370	ug/l	98
61) Tetrachloroethene	10.60	164	8056	2.603	ug/l	93
62) Toluene	10.13	91	30795	2.346	ug/l	98
64) Chlorobenzene	11.41	112	19477	2.383	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	7607	2.375	ug/l	98
66) Ethyl Benzene	11.48	91	33436	2.215	ug/l	96
67) m/p-Xylenes	11.59	106	24654	4.392	ug/l	99
68) o-Xylene	11.92	106	11191	2.055	ug/l	91
69) Styrene	11.94	104	18701	2.029	ug/l	97
70) Isopropylbenzene	12.22	105	30850	2.145	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	8586	2.178	ug/l	96
72) 1,2,3-Trichloropropane	12.52	75	12891	3.134	ug/l	52
73) Bromobenzene	12.50	156	8164	2.354	ug/l	97
74) n-propylbenzene	12.56	91	34910	2.126	ug/l	99
75) 2-Chlorotoluene	12.65	91	22709	2.234	ug/l	97
76) 1,3,5-Trimethylbenzene	12.70	105	25173	2.057	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	2899	1.803	ug/l	97
78) 4-Chlorotoluene	12.75	91	20767	1.953	ug/l	96
79) tert-butylbenzene	12.97	119	20691	2.068	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	24791	1.995	ug/l	98
81) sec-Butylbenzene	13.14	105	26272	2.018	ug/l	98
82) p-Isopropyltoluene	13.26	119	22823	1.894	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	12510	2.012	ug/l	93
84) 1,4-Dichlorobenzene	13.33	146	12143	1.951	ug/l	99
85) n-Butylbenzene	13.59	91	18367	1.717	ug/l	97
86) Hexachloroethane	13.84	117	1953	0.941	ug/l #	1
87) 1,2-Dichlorobenzene	13.63	146	12564	2.072	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	1062	1.064	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.88	180	6501	1.785	ug/l	87
90) Hexachlorobutadiene	14.98	225	2569	1.392	ug/l	71
91) Naphthalene	15.10	128	17266	1.564	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	5112	1.468	ug/l	94

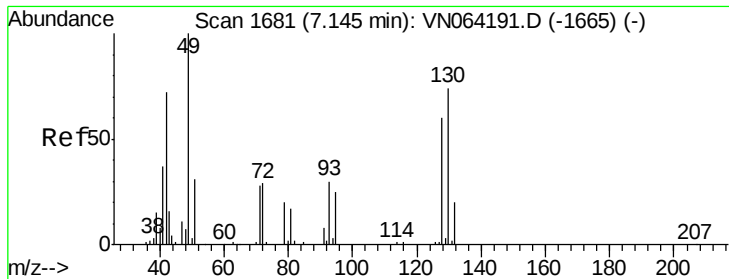
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

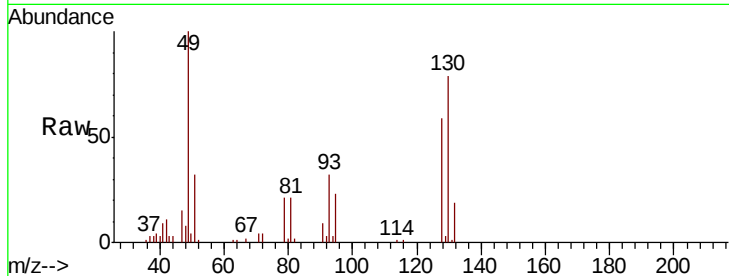
Tot Ion:128 Resp: 45373

Ion Ratio Lower Upper

128 100

49 175.7 0.0 433.3

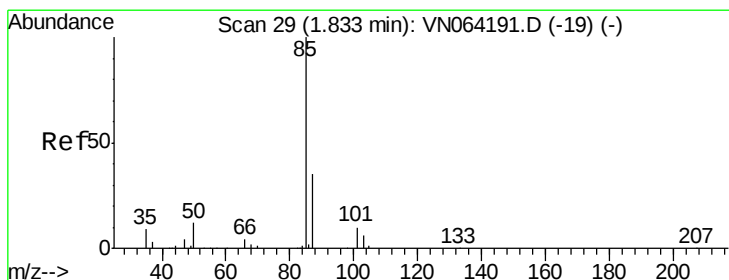
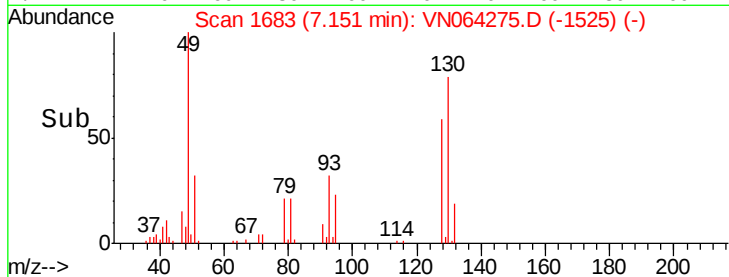
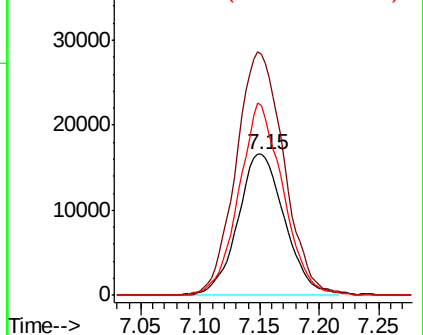
130 128.0 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.705 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064275.D

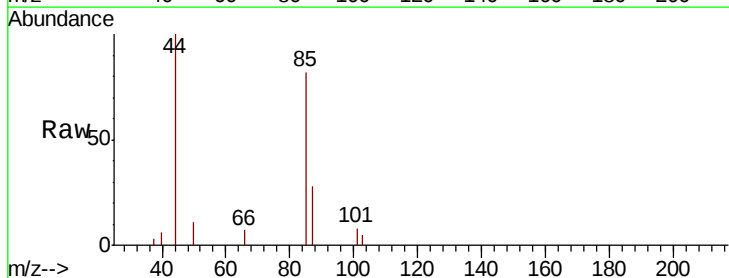
Acq: 23 Oct 2020 1:11

Tgt Ion: 85 Resp: 5309

Ion Ratio Lower Upper

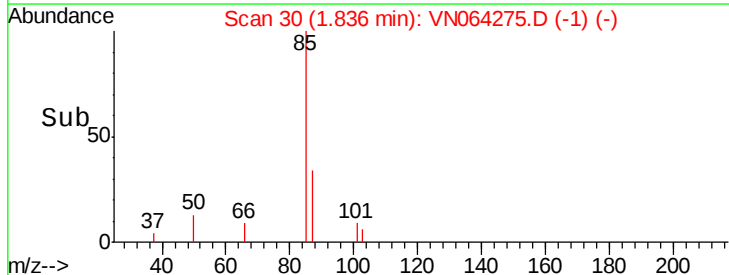
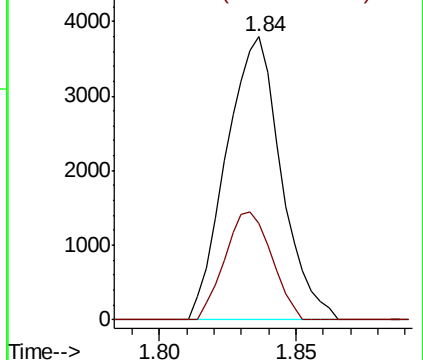
85 100

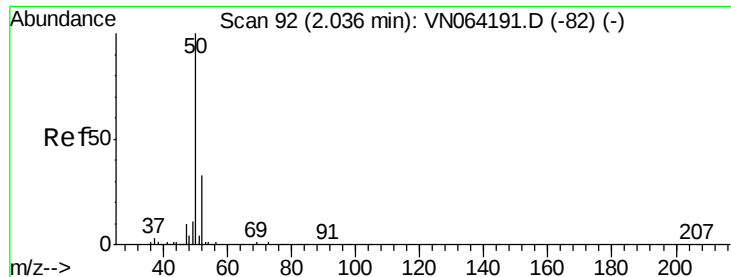
87 34.2 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 2.111 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

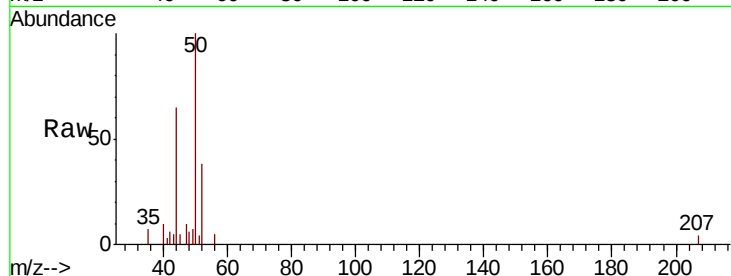
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 6734

Ion Ratio Lower Upper

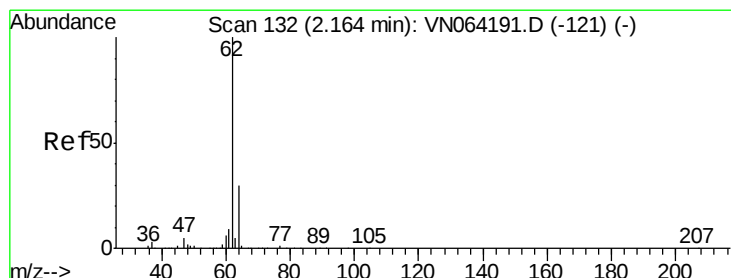
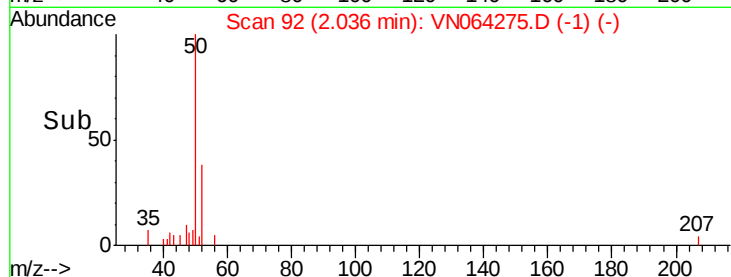
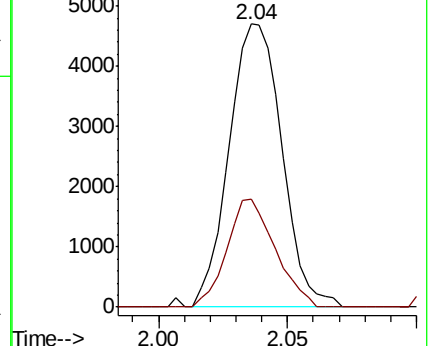
50 100

52 38.2 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 2.253 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064275.D

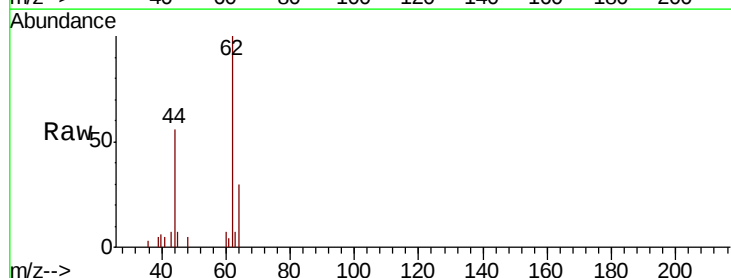
Acq: 23 Oct 2020 1:11

Tgt Ion: 62 Resp: 7070

Ion Ratio Lower Upper

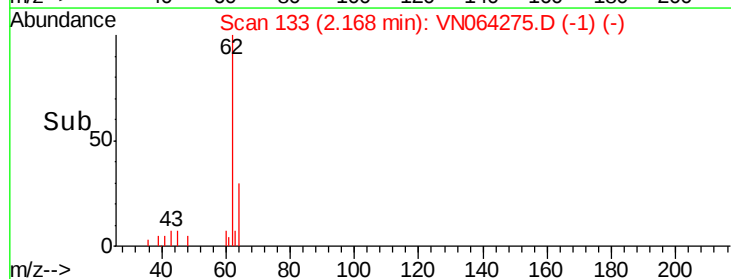
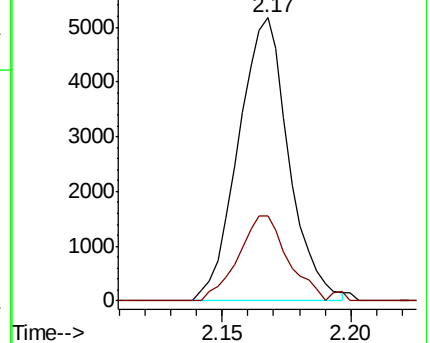
62 100

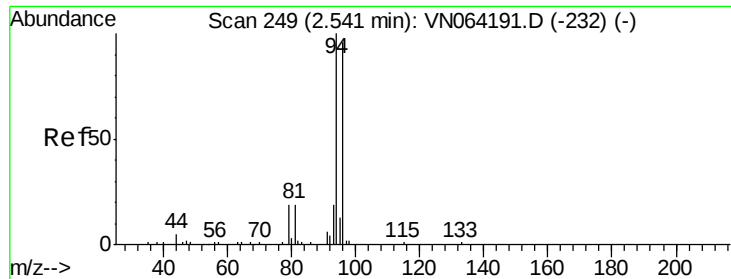
64 30.0 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 2.807 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

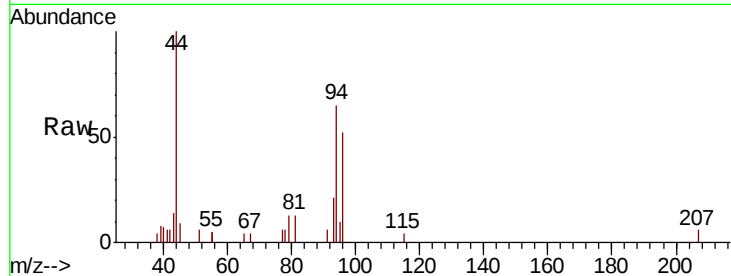
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 5271

Ion Ratio Lower Upper

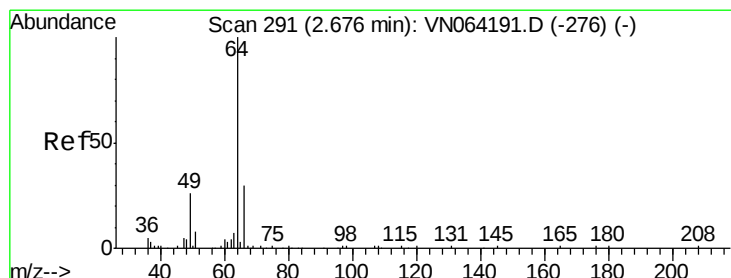
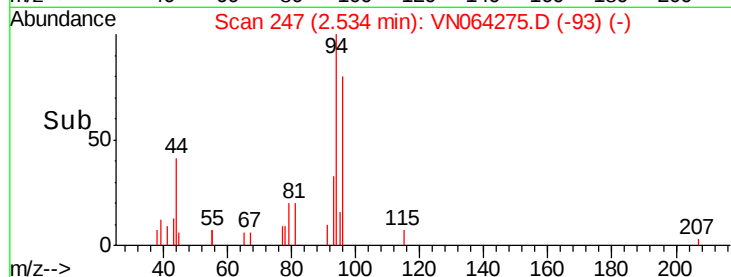
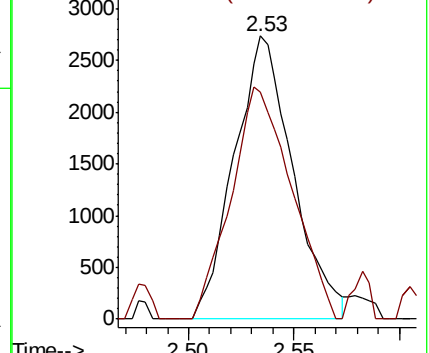
94 100

96 80.2 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064191.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064191.D (-232) (-)



#6

Chloroethane

Concen: 2.319 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064275.D

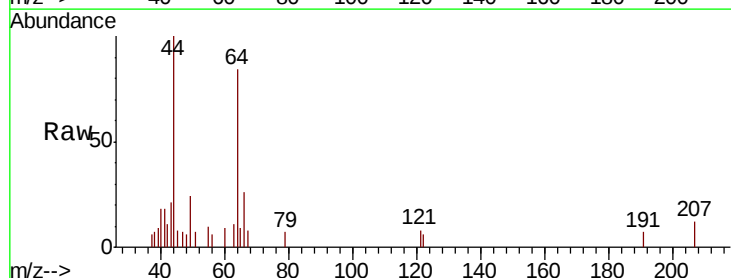
Acq: 23 Oct 2020 1:11

Tgt Ion: 64 Resp: 4239

Ion Ratio Lower Upper

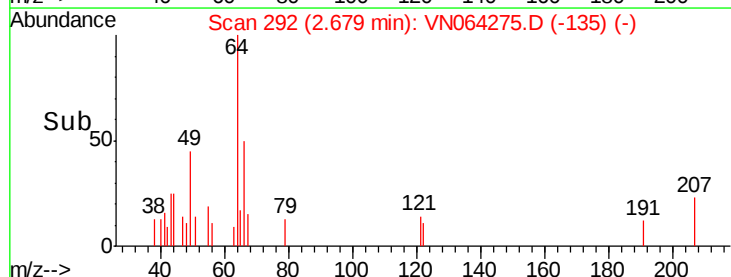
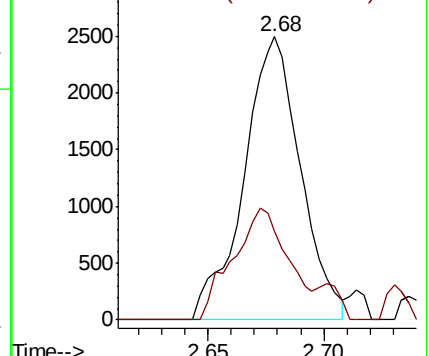
64 100

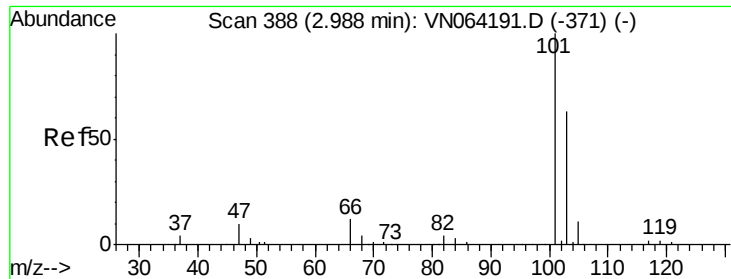
66 31.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064191.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064191.D (-276) (-)



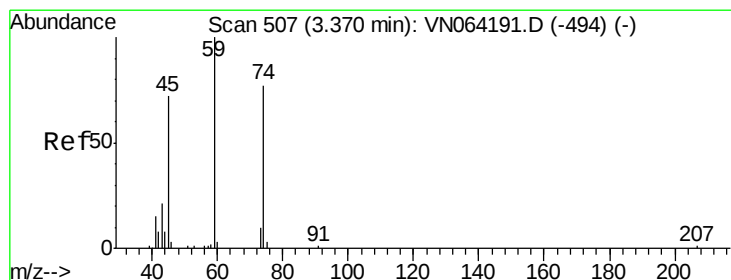
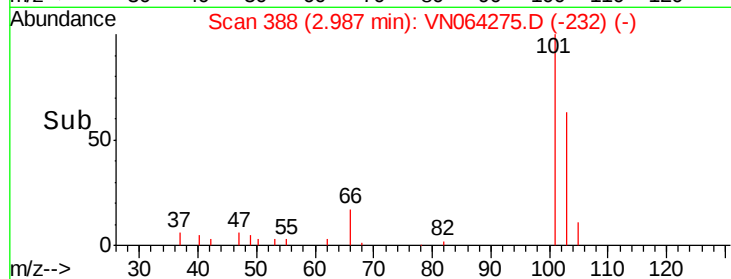
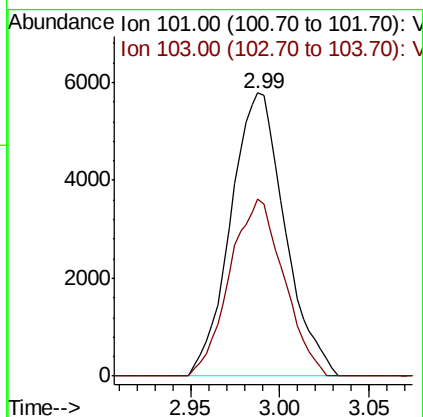
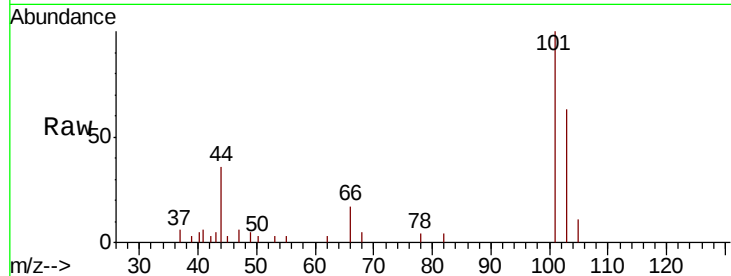


#7

Trichlorofluoromethane
Concen: 2.435 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

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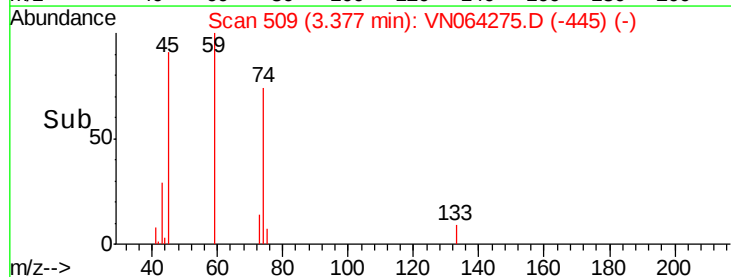
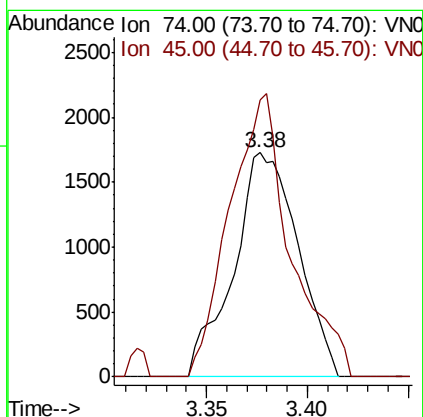
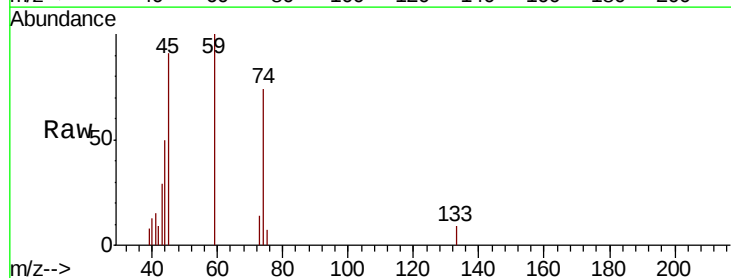
Tot Ion:101 Resp: 12268
Ion Ratio Lower Upper
101 100
103 62.5 50.7 76.1

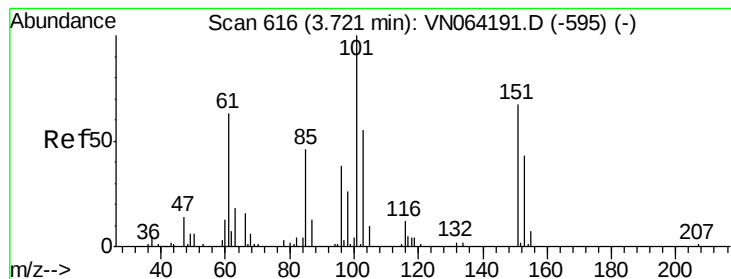


#8

Diethyl Ether
Concen: 2.248 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 74 Resp: 3845
Ion Ratio Lower Upper
74 100
45 119.7 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.550 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

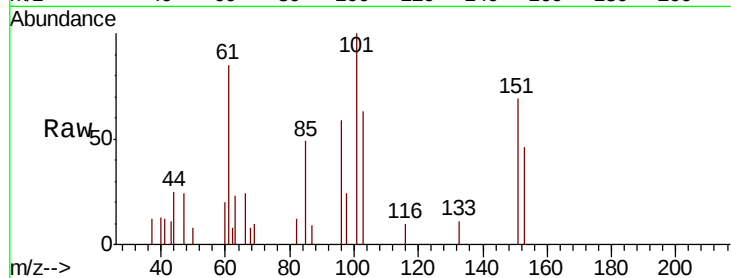
Tot Ion:101 Resp: 4122

Ion Ratio Lower Upper

101 100

85 45.2 0.0 94.0

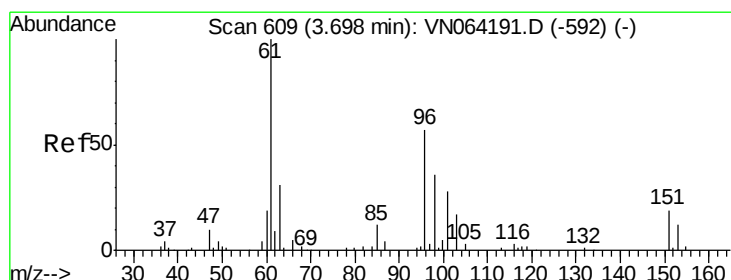
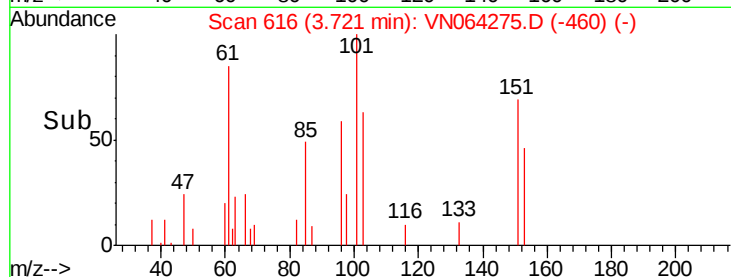
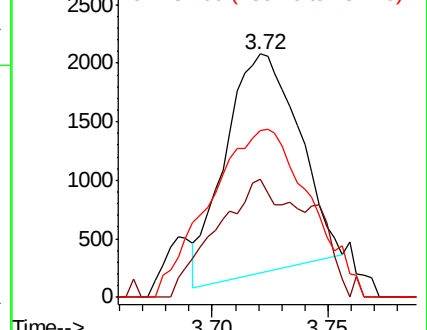
151 104.3 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.275 ug/l

RT: 3.70 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

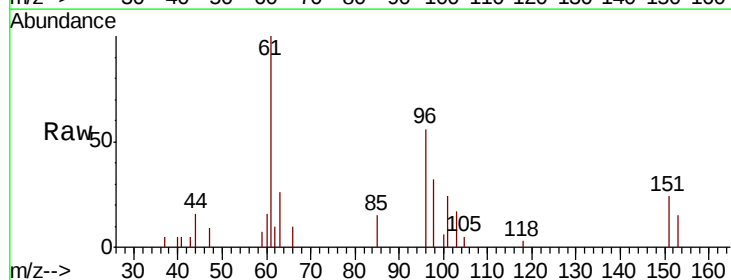
Tgt Ion: 96 Resp: 5889

Ion Ratio Lower Upper

96 100

61 164.4 141.0 211.4

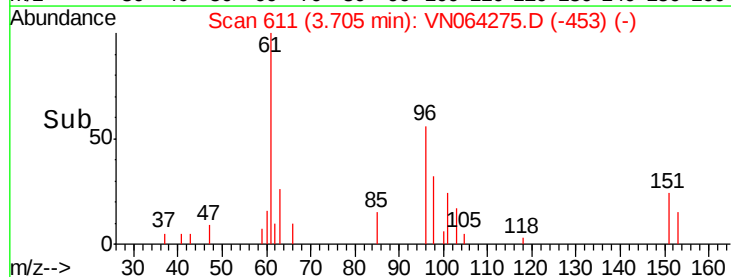
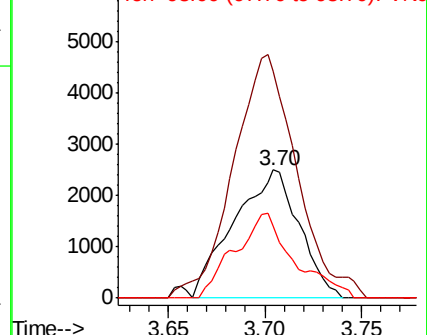
98 56.4 51.4 77.2

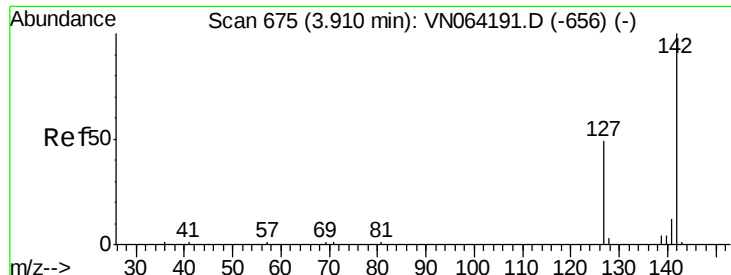


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

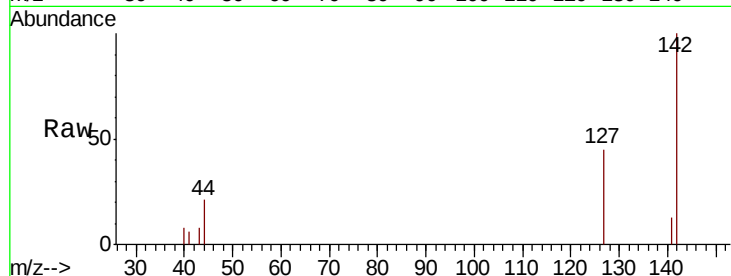




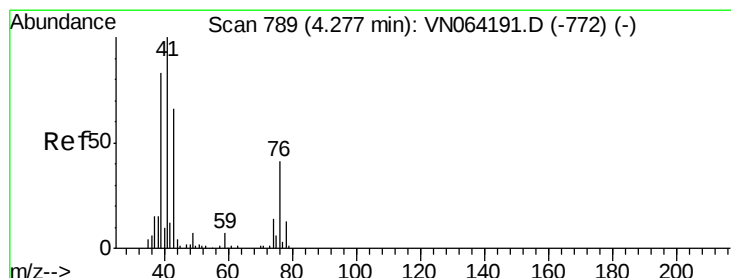
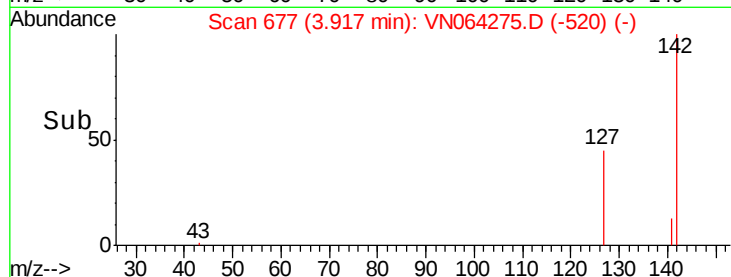
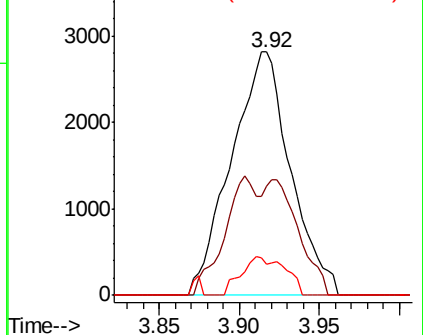
#11
Methvl Iodide
Concen: 1.920 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:142 Resp: 7164
Ion Ratio Lower Upper
142 100
127 44.7 24.5 73.5
141 13.0 6.0 18.1

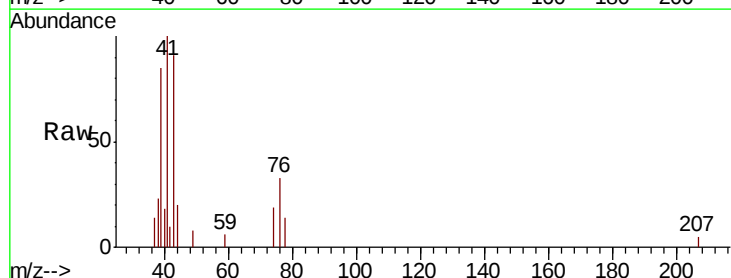


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

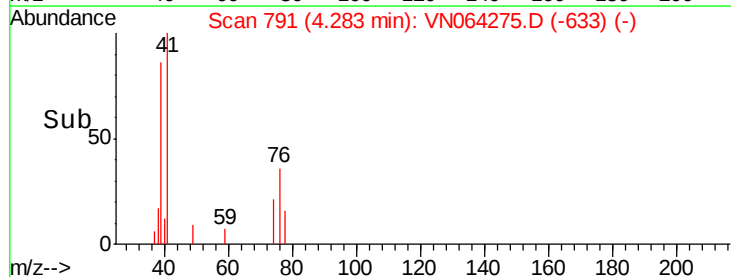
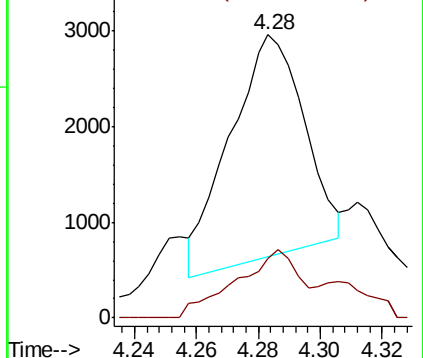


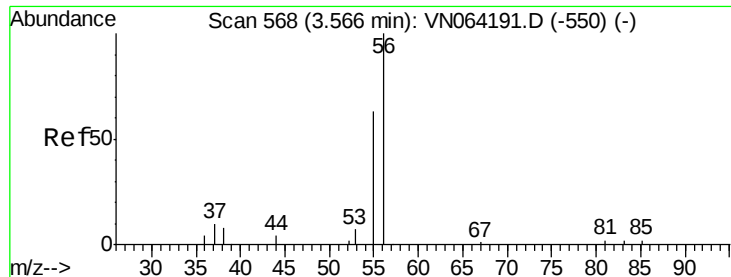
#12
Methyl Acetate
Concen: 1.422 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 43 Resp: 3880
Ion Ratio Lower Upper
43 100
74 17.9 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V

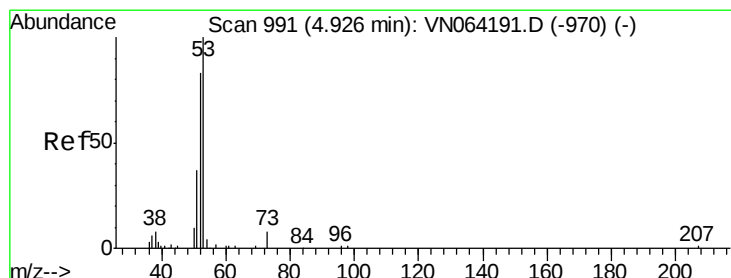
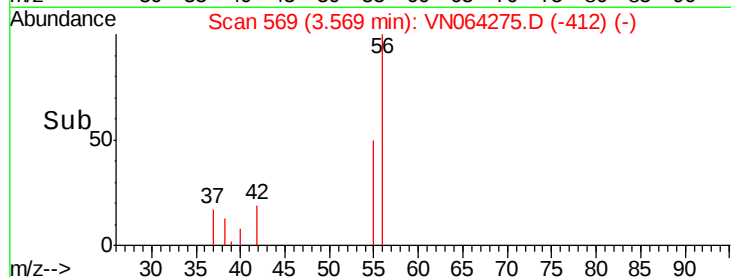
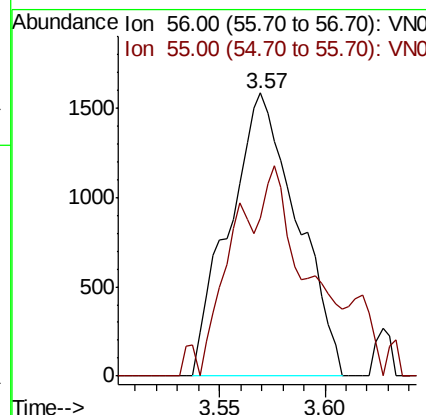
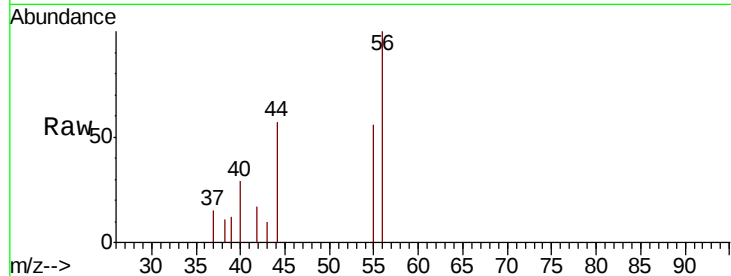




#13
 Acrolein
 Concen: 11.878 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

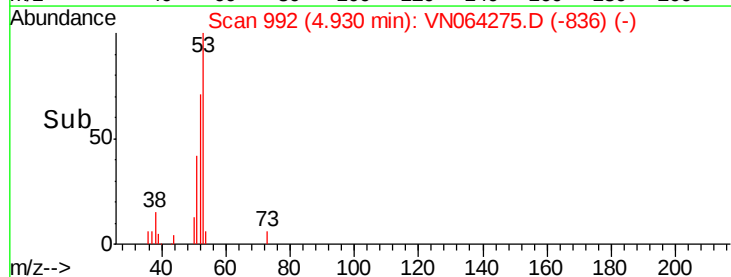
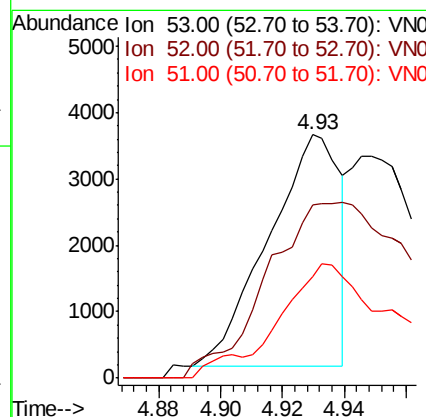
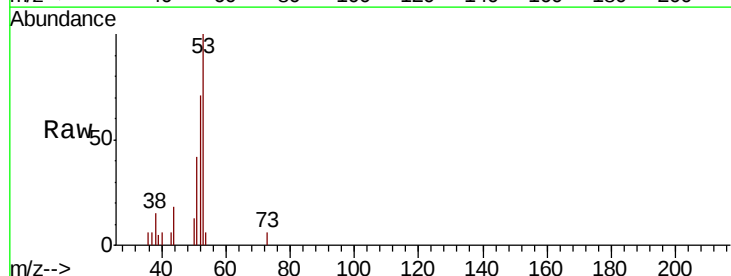
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

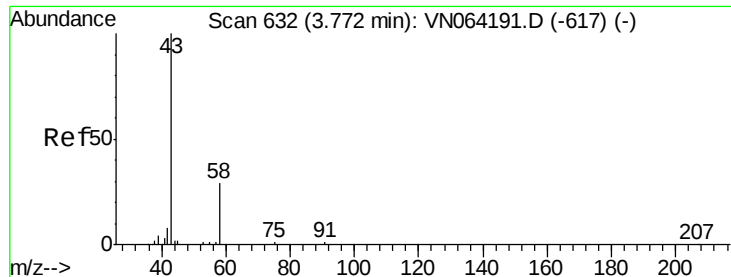
Tot Ion: 56 Resp: 3544
 Ion Ratio Lower Upper
 56 100
 55 16.8 0.5 0.7#



#14
 Acrylonitrile
 Concen: 5.097 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion: 53 Resp: 5605
 Ion Ratio Lower Upper
 53 100
 52 0.0 41.3 123.9#
 51 41.6 18.1 54.1





#15

Acetone

Concen: 12.984 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

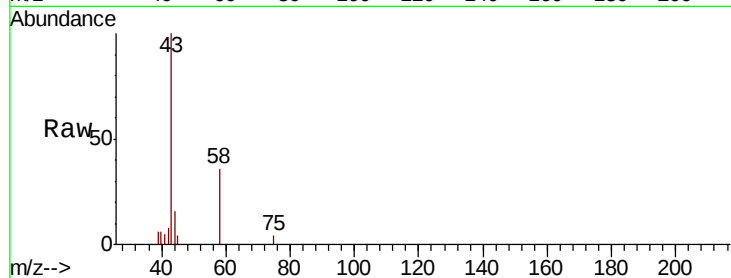
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 58 Resp: 3855

Ion Ratio Lower Upper

58 100

43 234.3 272.1 408.1#



Abundance Ion 58.00 (57.70 to 58.70): VN064191.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VN064191.D (-617) (-)

6000

5000

4000

3000

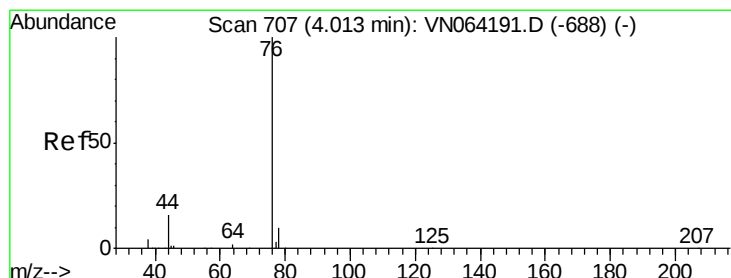
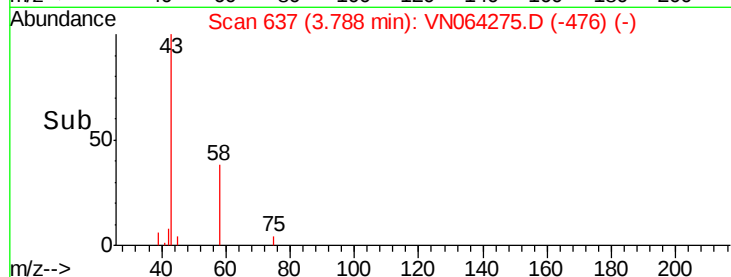
2000

1000

0

3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 2.122 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064275.D

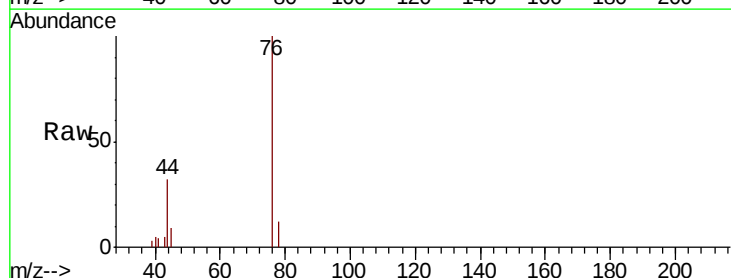
Acq: 23 Oct 2020 1:11

Tgt Ion: 76 Resp: 15710

Ion Ratio Lower Upper

76 100

78 12.3 7.7 11.5#



Abundance Ion 76.00 (75.70 to 76.70): VN064191.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN064191.D (-688) (-)

6000

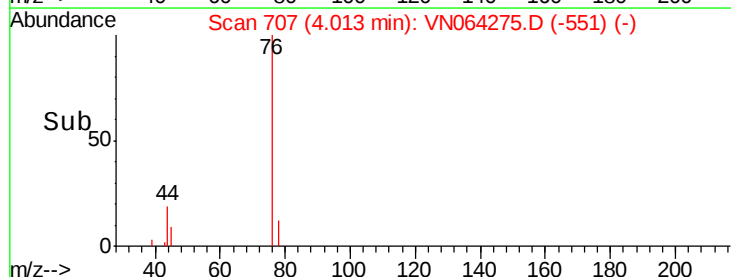
4000

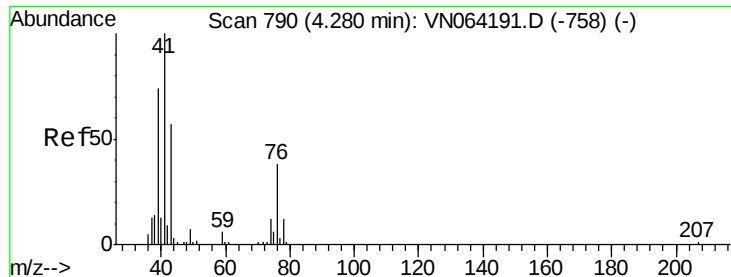
2000

0

3.95 4.00 4.05 4.10

Time-->

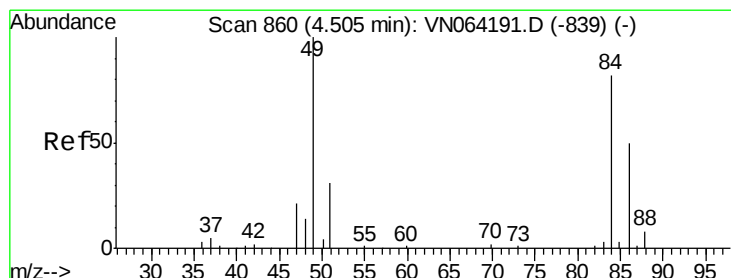
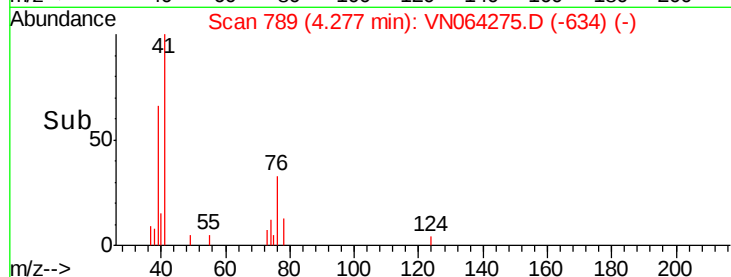
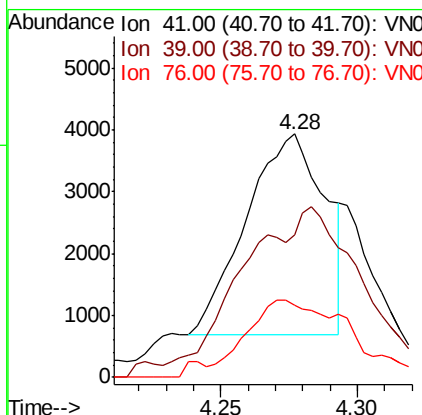
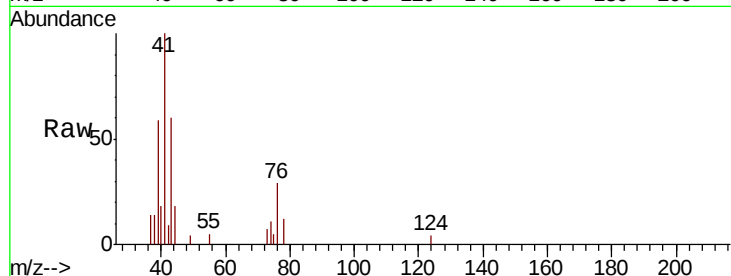




#17
Allvl chloride
Concen: 1.363 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

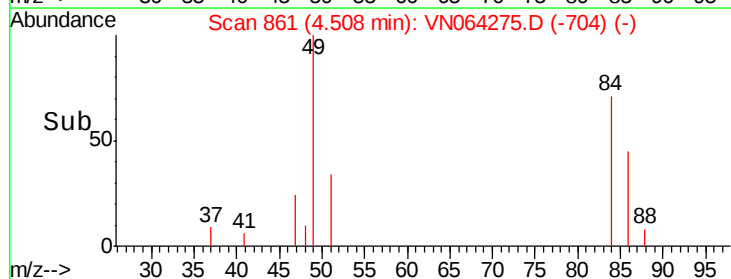
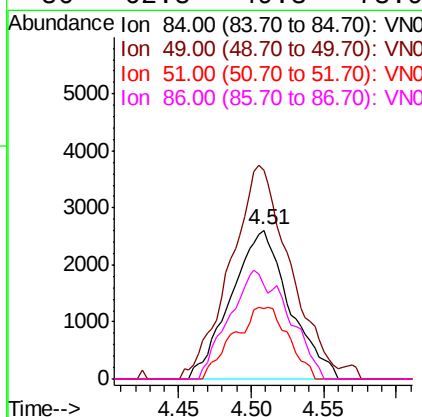
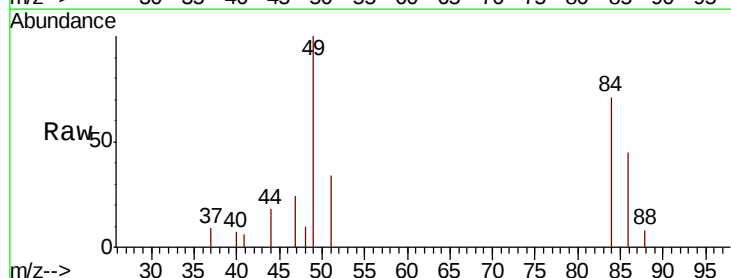
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

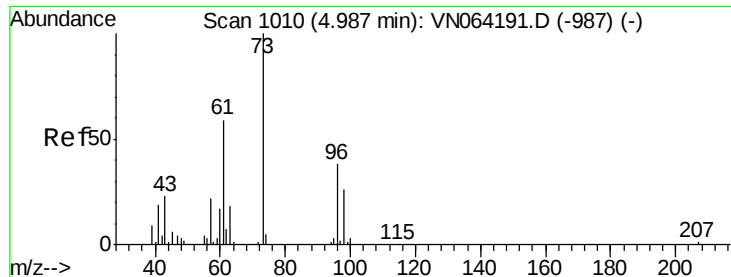
Tot Ion: 41 Resp: 6563
Ion Ratio Lower Upper
41 100
39 60.0 36.8 110.4
76 27.9 18.8 56.4



#18
Methylene Chloride
Concen: 2.465 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 84 Resp: 7298
Ion Ratio Lower Upper
84 100
49 134.0 97.6 146.4
51 47.2 31.1 46.7#
86 62.8 49.3 73.9

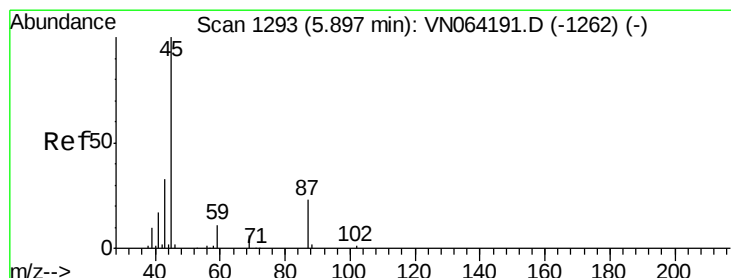
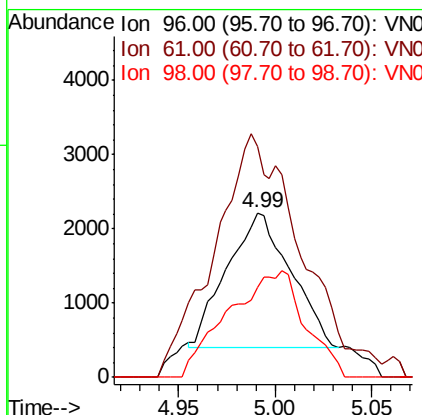
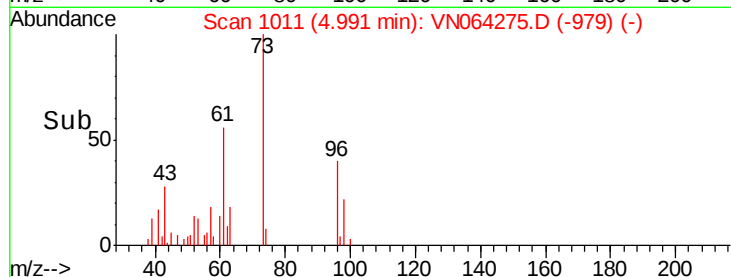
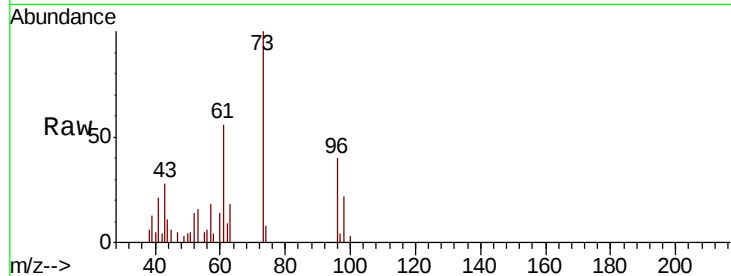




#19
trans-1,2-Dichloroethene
Concen: 1.477 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

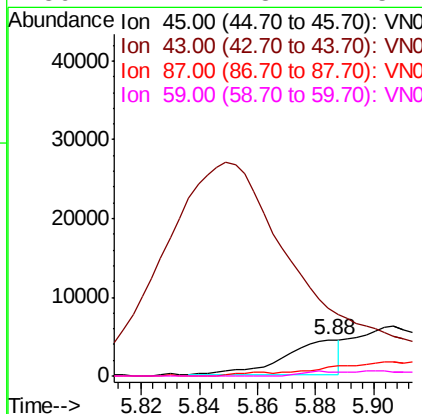
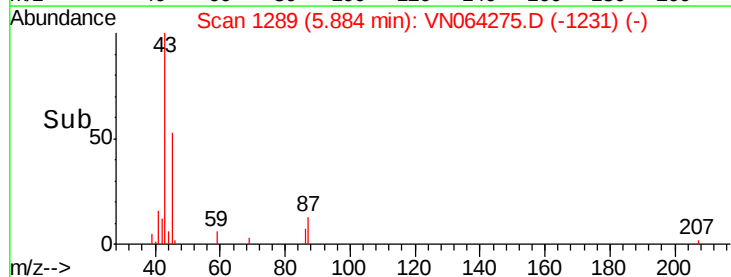
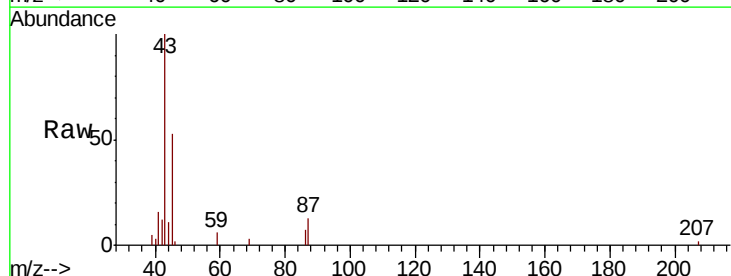
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

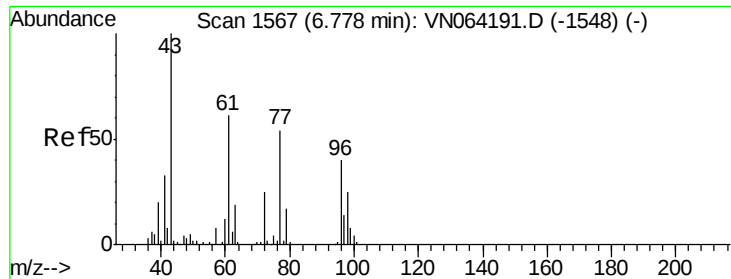
Tot Ion: 96 Resp: 4124
Ion Ratio Lower Upper
96 100
61 123.9 125.5 188.3#
98 50.5 54.7 82.1#



#20
Diisopropyl ether
Concen: 0.649 ug/l
RT: 5.88 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 45 Resp: 5770
Ion Ratio Lower Upper
45 100
43 18.5 55.1 82.7#
87 25.9 19.4 29.2
59 12.2 8.7 13.1





#22

cis-1,2-Dichloroethene

Concen: 1.940 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

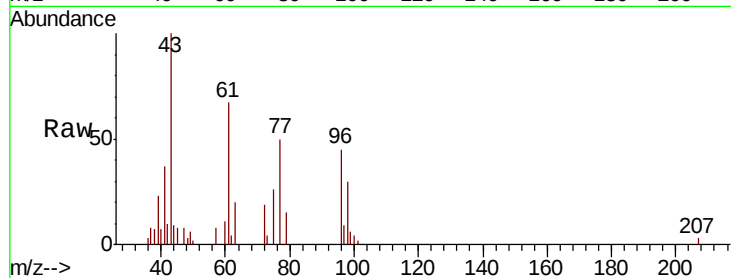
Tot Ion: 96 Resp: 6334

Ion Ratio Lower Upper

96 100

61 194.8 126.2 189.4#

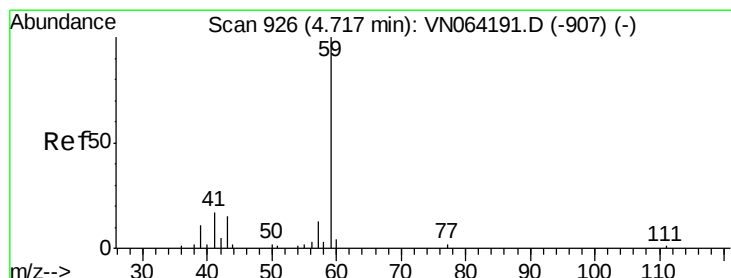
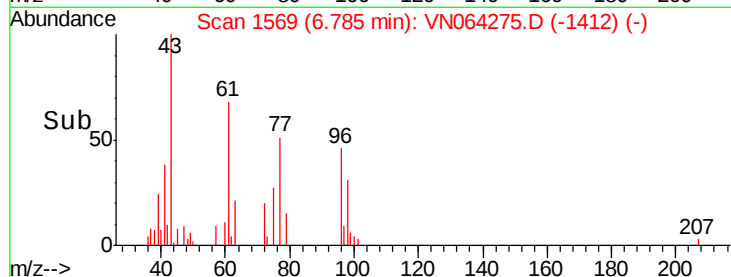
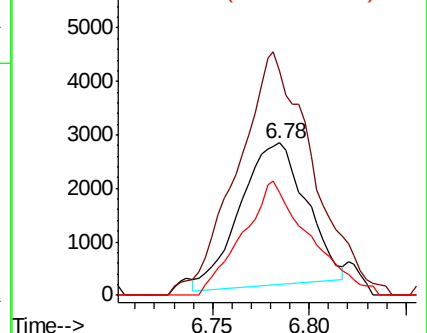
98 80.7 50.2 75.4#



Abundance Ion 96.00 (95.70 to 96.70): VN064275.D

Ion 61.00 (60.70 to 61.70): VN064275.D

Ion 98.00 (97.70 to 98.70): VN064275.D



#23

tert-Butyl Alcohol

Concen: 11.820 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN064275.D

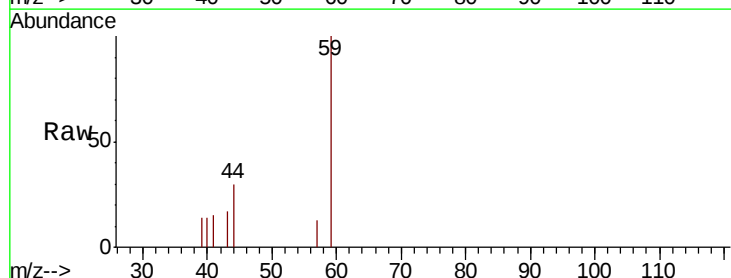
Acq: 23 Oct 2020 1:11

Tgt Ion: 59 Resp: 6012

Ion Ratio Lower Upper

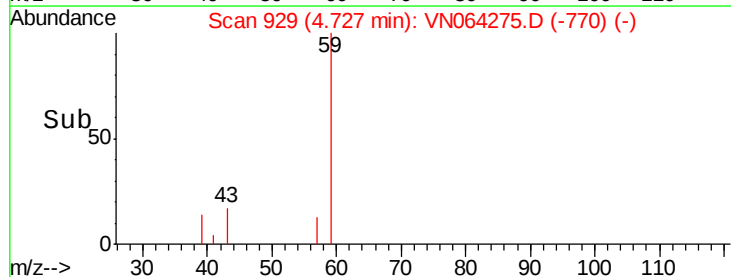
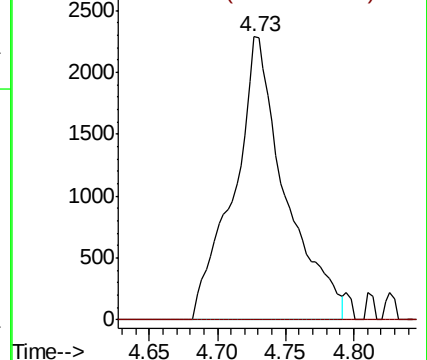
59 100

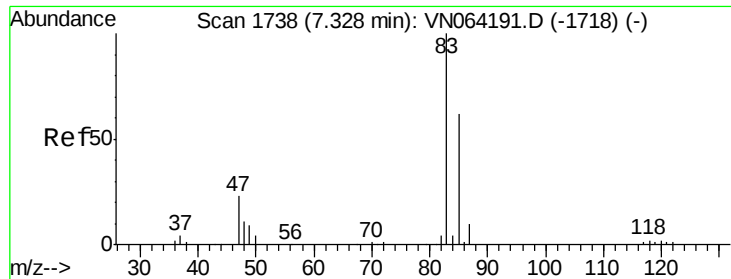
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064275.D

Ion 52.00 (51.70 to 52.70): VN064275.D

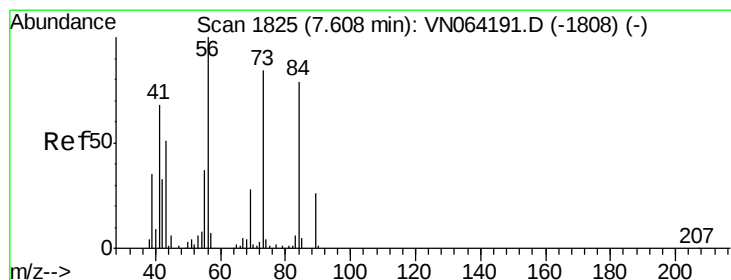
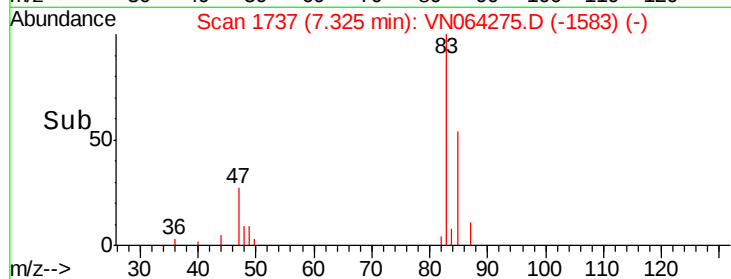
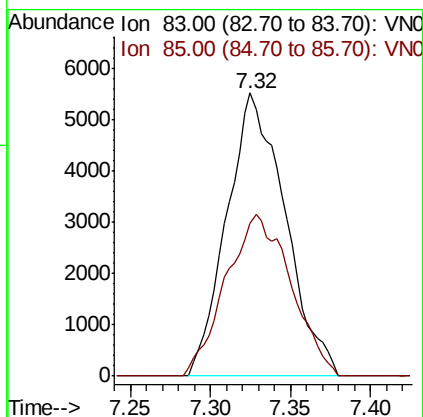
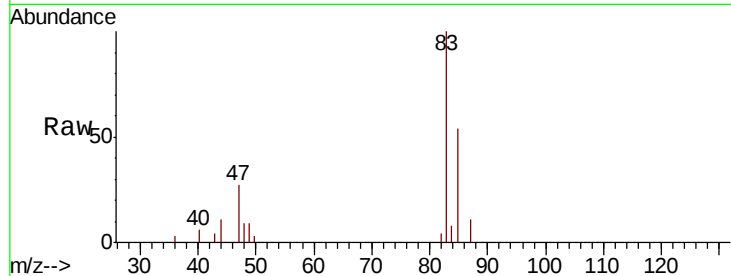




#25
Chloroform
Concen: 2.443 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

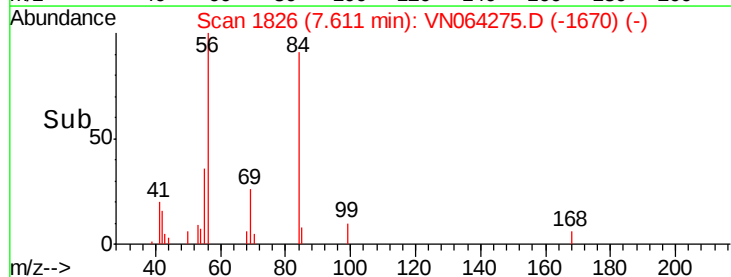
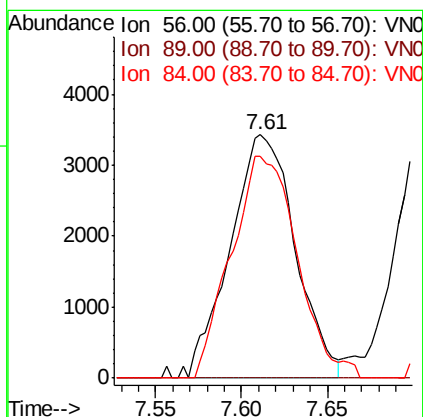
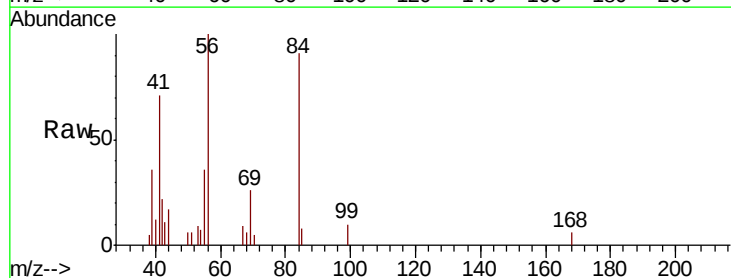
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

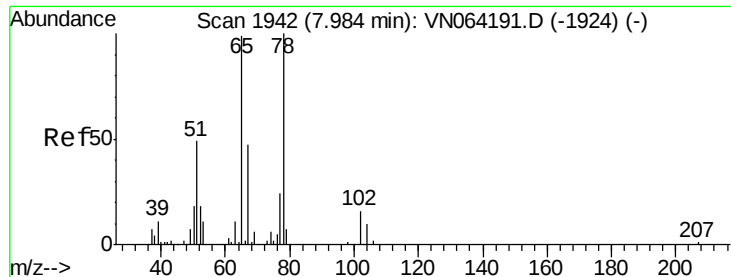
Tot Ion: 83 Resp: 13788
Ion Ratio Lower Upper
83 100
85 50.2 49.7 74.5



#26
Cyclohexane
Concen: 2.087 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 56 Resp: 8987
Ion Ratio Lower Upper
56 100
89 0.0 21.4 32.0#
84 91.7 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 35.487 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

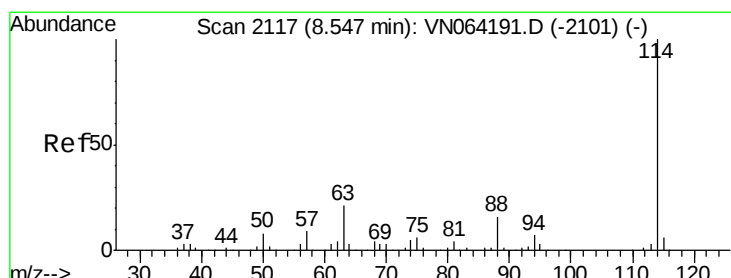
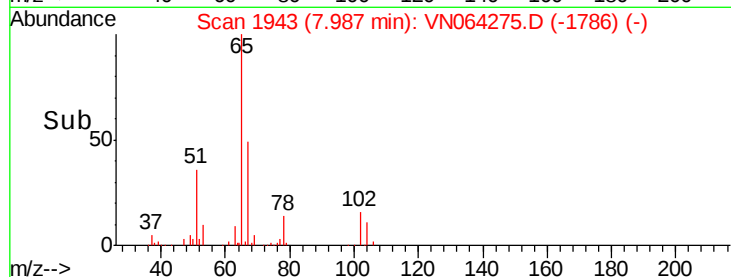
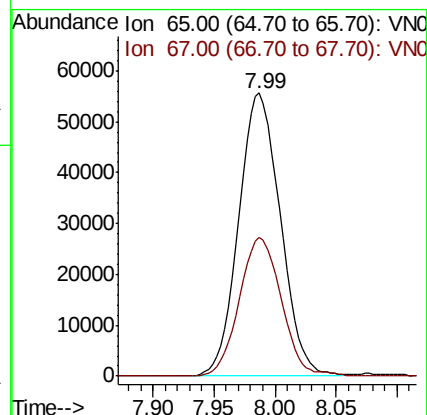
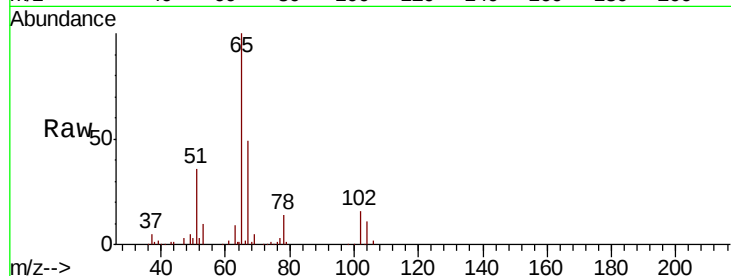
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 131827

Ion Ratio Lower Upper

65 100

67 48.8 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

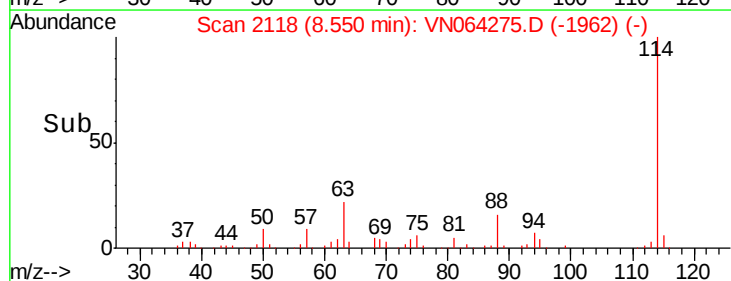
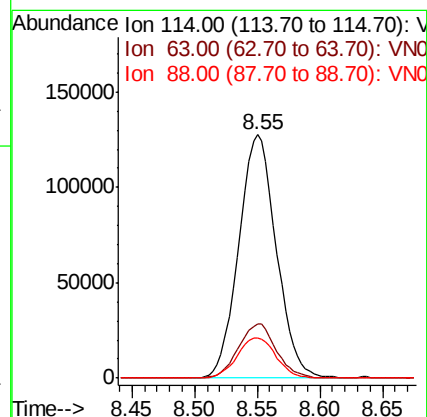
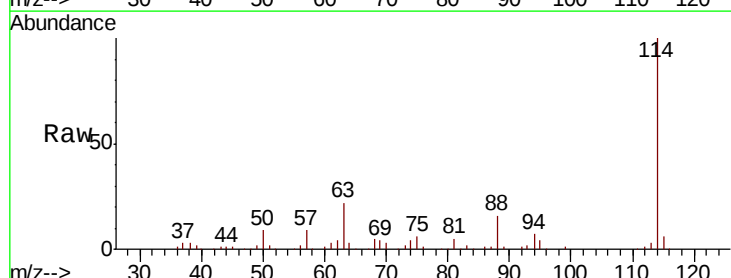
Tgt Ion: 114 Resp: 265498

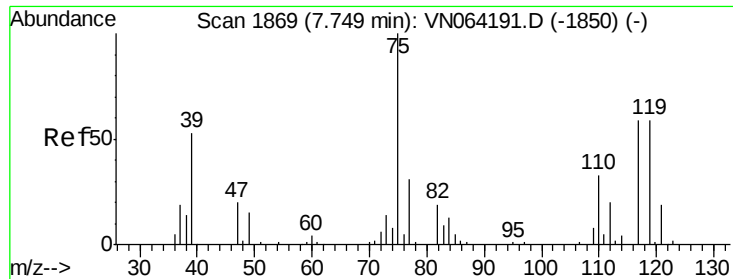
Ion Ratio Lower Upper

114 100

63 22.4 17.0 25.4

88 17.0 13.0 19.4

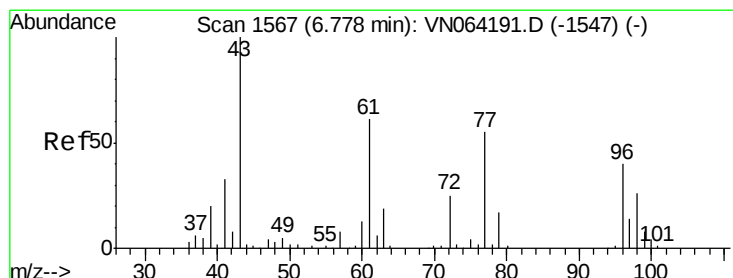
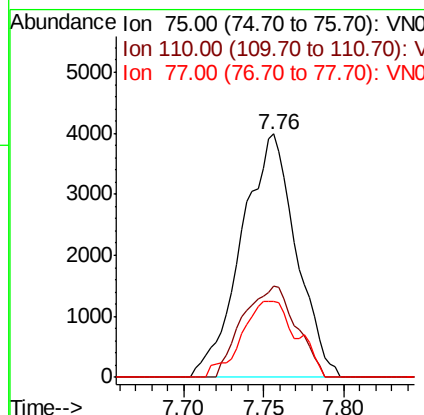
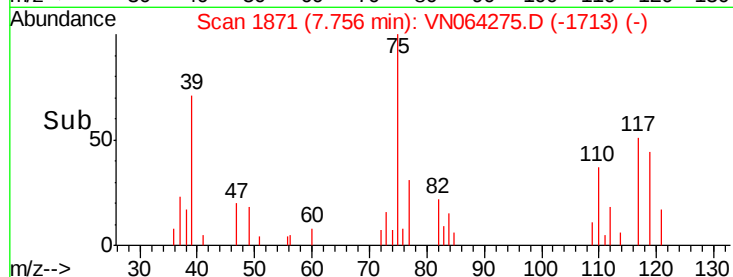
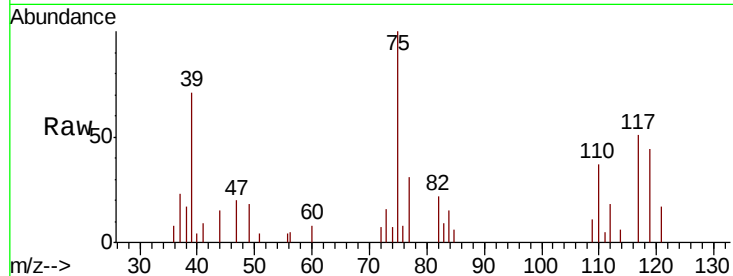




#29
 1,1-Dichloropropene
 Concen: 2.121 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

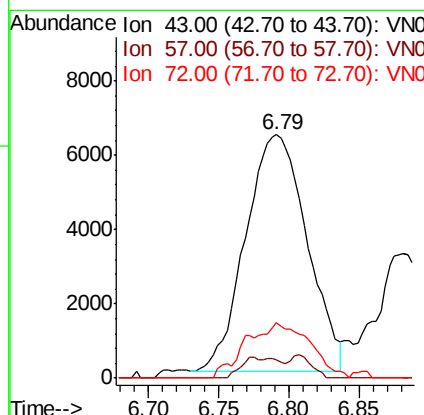
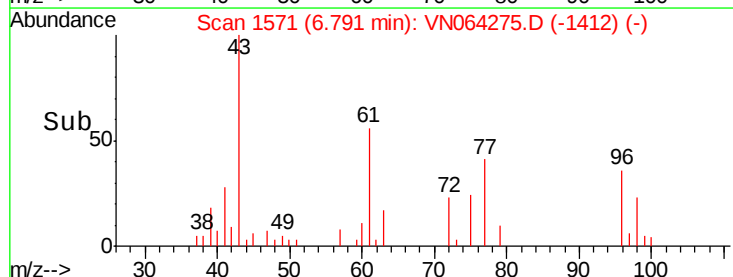
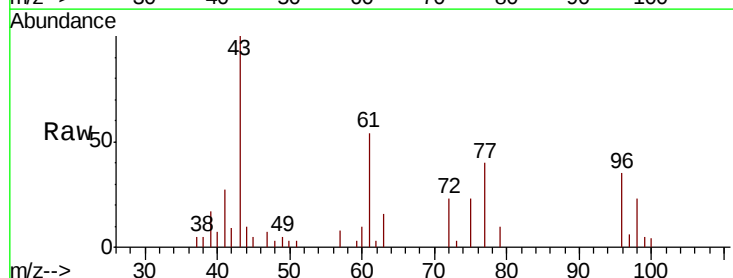
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

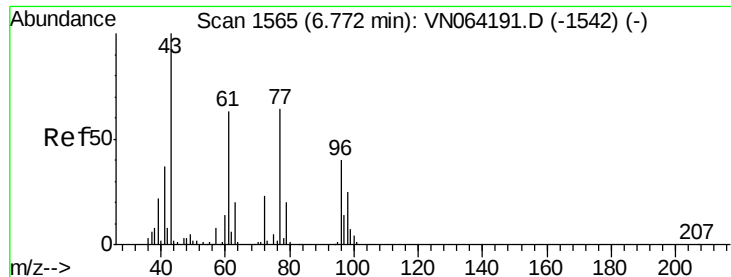
Tot Ion: 75 Resp: 9351
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 66.8
 77 18.7 0.0 63.6



#30
 2-Butanone
 Concen: 10.588 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion: 43 Resp: 19251
 Ion Ratio Lower Upper
 43 100
 57 3.4 5.8 8.6#
 72 14.6 19.8 29.8#





#31

2,2-Dichloropropane

Concen: 1.911 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

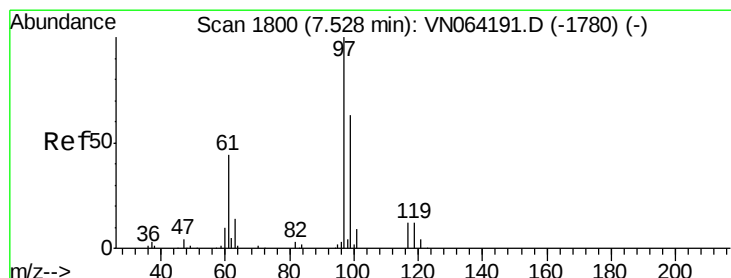
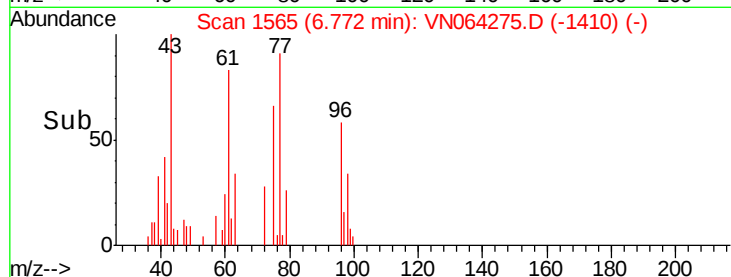
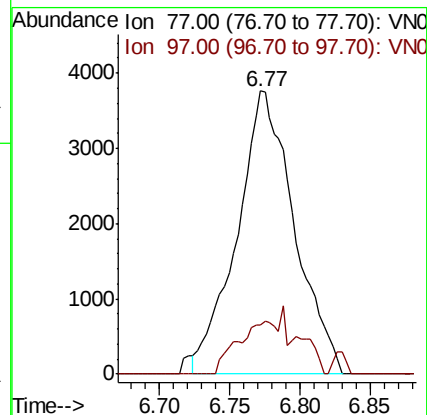
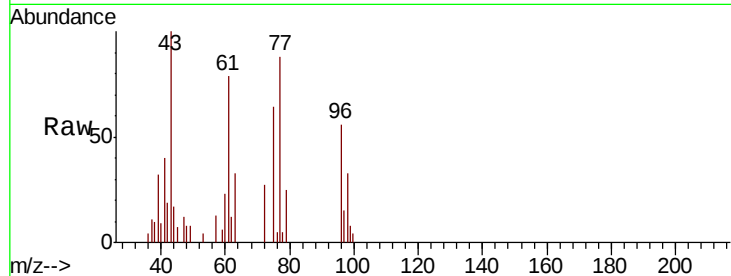
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 77 Resp: 10698

Ion Ratio Lower Upper

77 100

97 5.5 17.3 25.9#



#32

1,1,1-Trichloroethane

Concen: 2.175 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

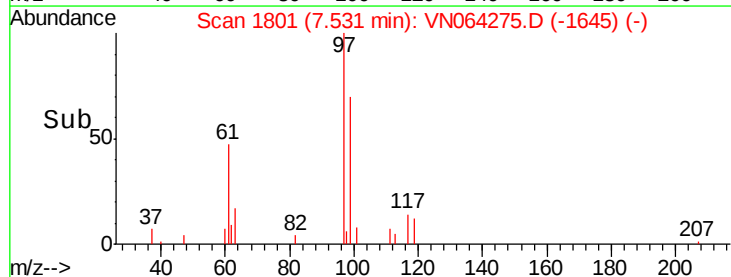
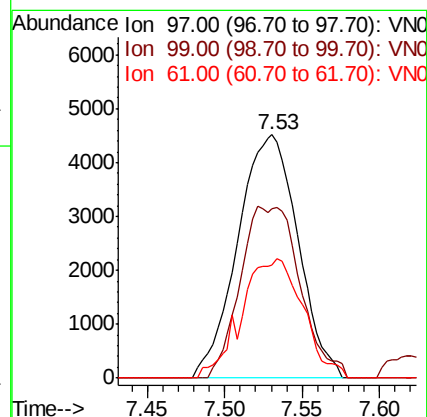
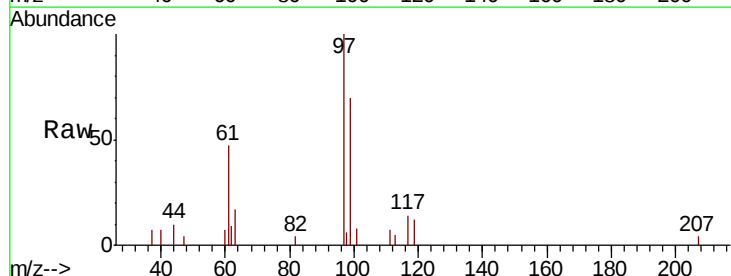
Tgt Ion: 97 Resp: 12221

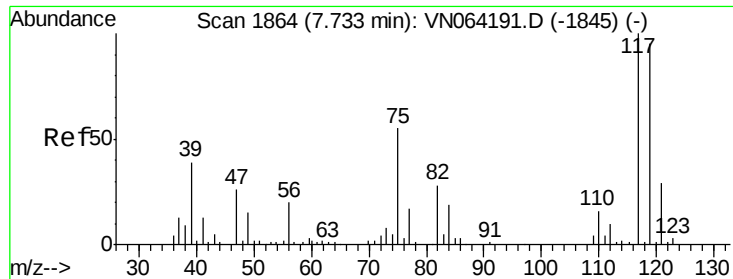
Ion Ratio Lower Upper

97 100

99 33.9 51.3 76.9#

61 10.4 34.8 52.2#

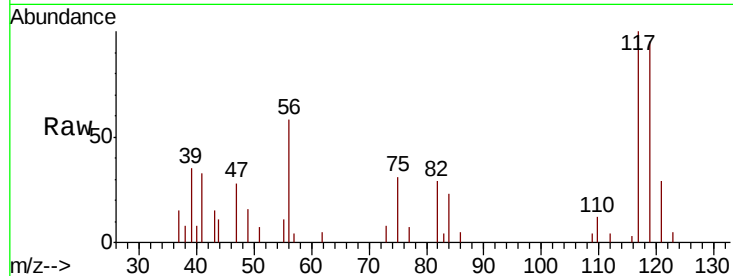




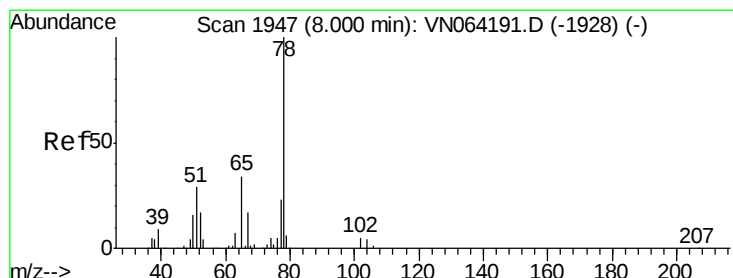
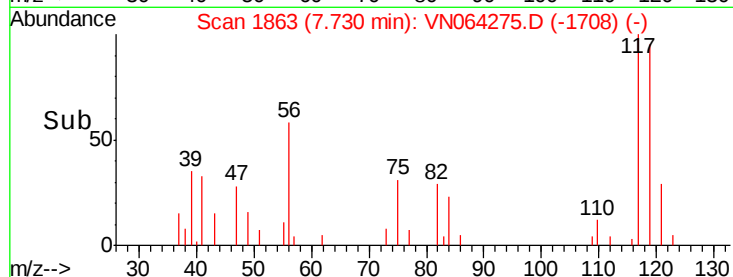
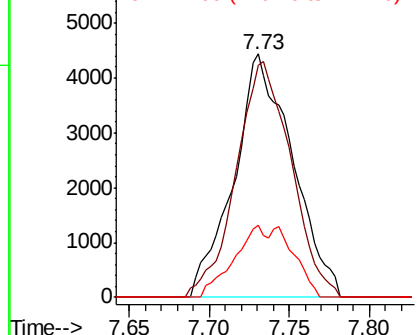
#33
Carbon Tetrachloride
Concen: 2.181 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 11171
Ion Ratio Lower Upper
117 100
119 95.4 76.0 114.0
121 29.4 23.0 34.6

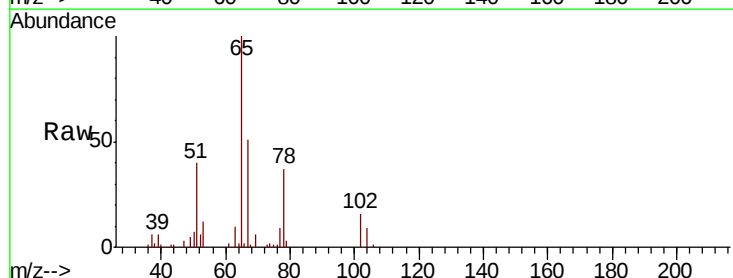


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

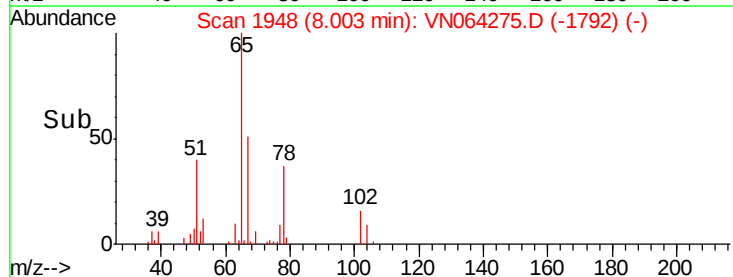
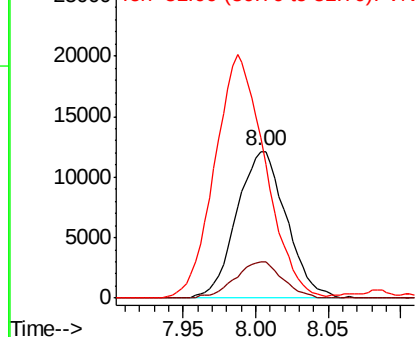


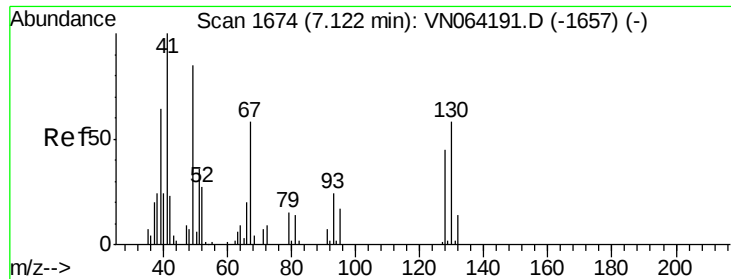
#34
Benzene
Concen: 2.348 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 78 Resp: 28825
Ion Ratio Lower Upper
78 100
77 24.9 18.4 27.6
51 106.9 23.0 34.6#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

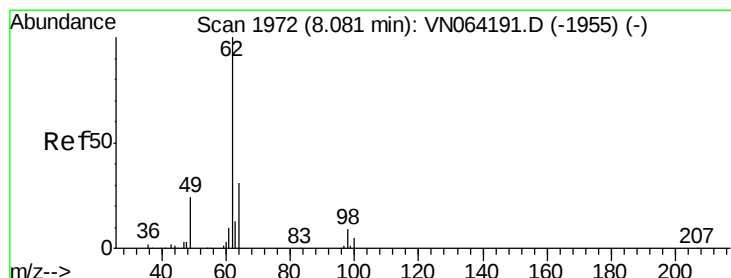
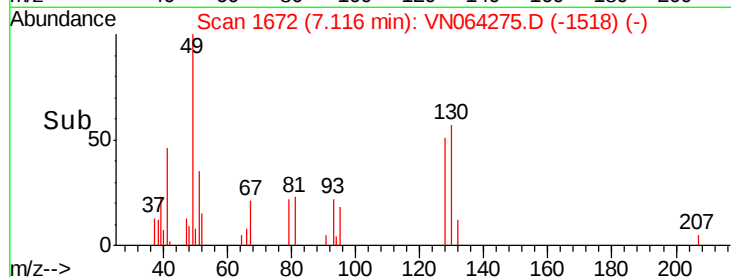
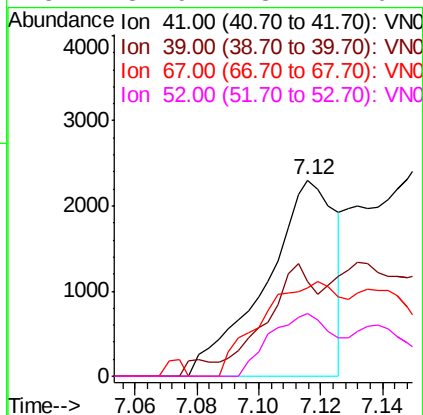
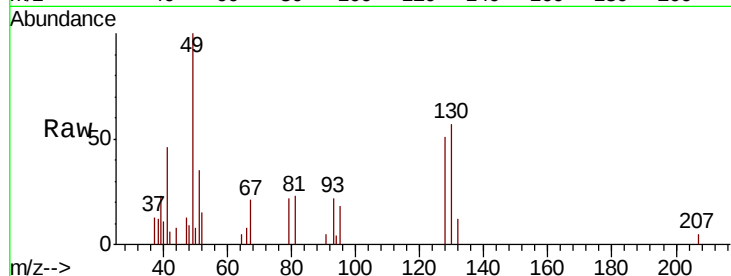




#35
Methacrylonitrile
Concen: 1.807 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

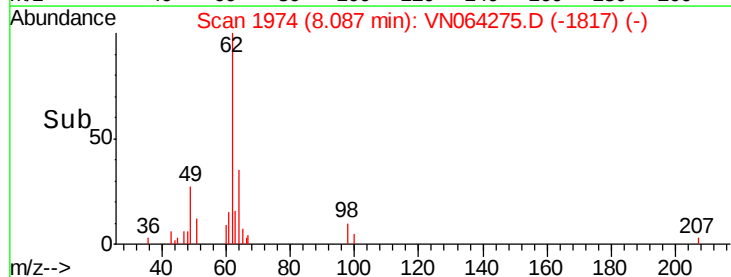
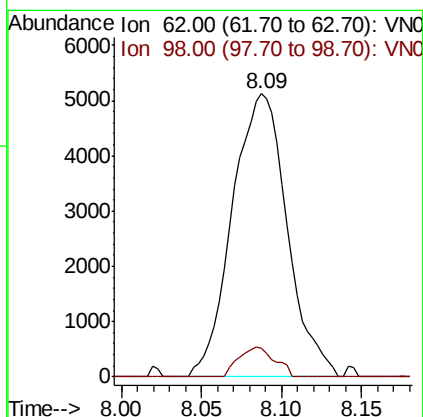
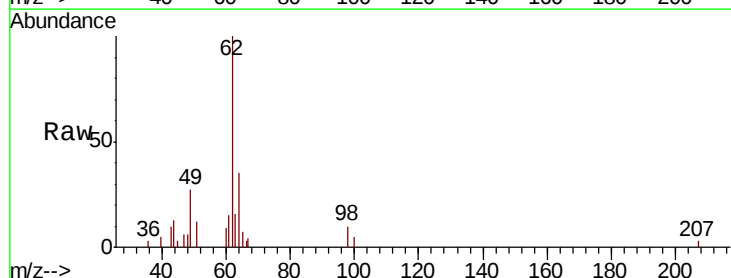
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

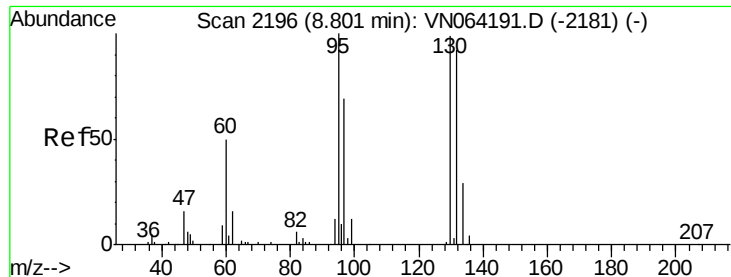
Tot Ion:	41	Resp:	3604
Ion	Ratio	Lower	Upper
41	100		
39	40.7	32.1	96.3
67	45.3	28.9	86.8
52	31.9	13.4	40.2



#36
1,2-Dichloroethane
Concen: 2.428 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion:	62	Resp:	12059
Ion	Ratio	Lower	Upper
62	100		
98	6.0	6.3	9.5#

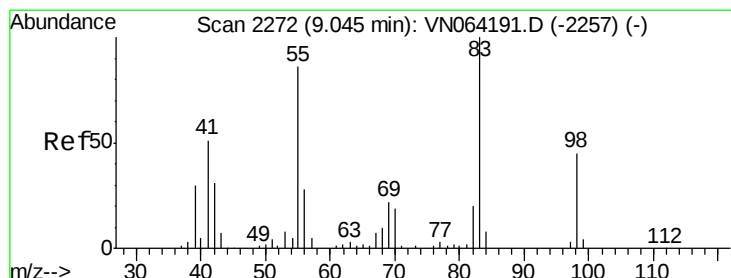
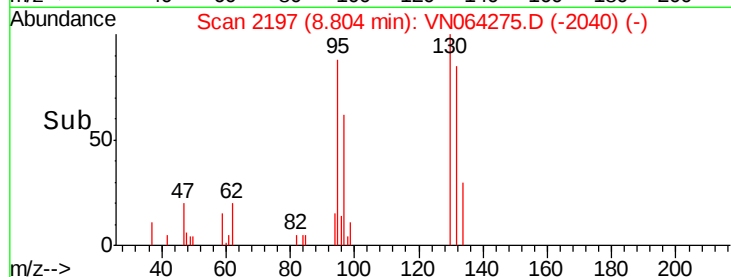
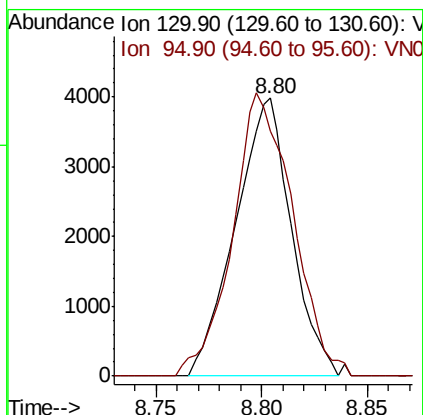
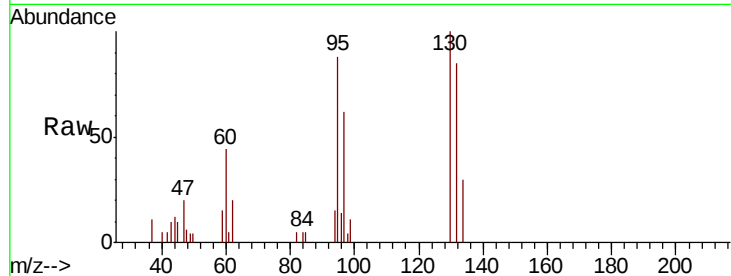




#37
 Trichloroethene
 Concen: 2.174 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

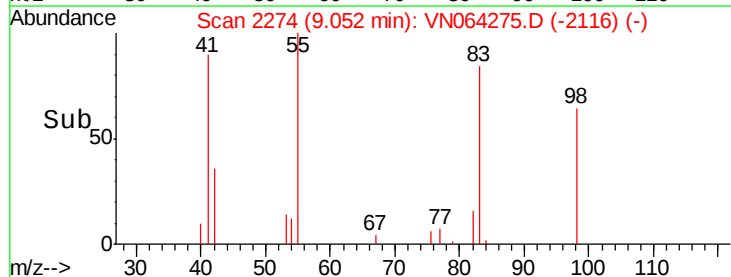
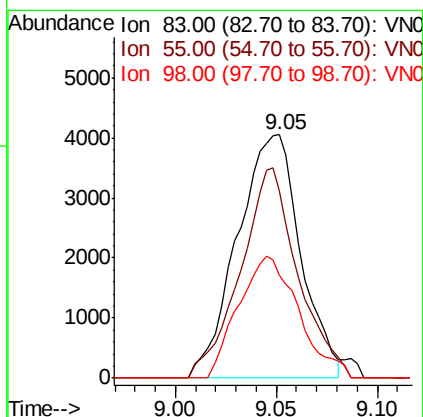
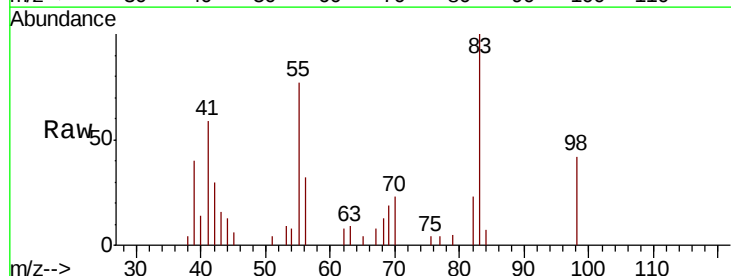
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

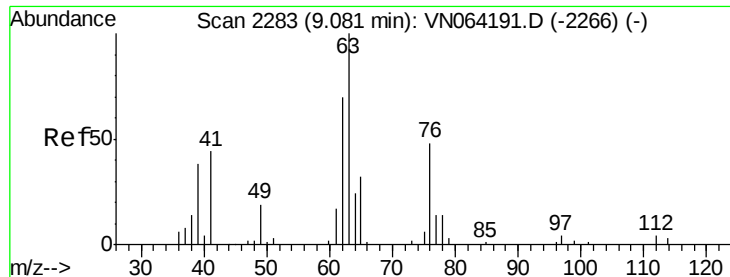
Tot Ion:130 Resp: 7349
 Ion Ratio Lower Upper
 130 100
 95 82.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 2.106 ug/l
 RT: 9.05 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion: 83 Resp: 8880
 Ion Ratio Lower Upper
 83 100
 55 78.1 40.3 120.9
 98 47.8 22.4 67.0





#39

1,2-Dichloropropane

Concen: 2.324 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

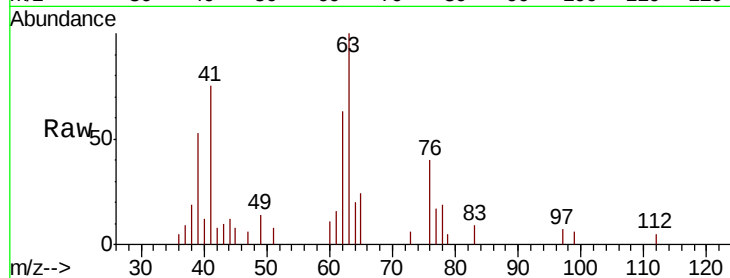
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 7614

Ion Ratio Lower Upper

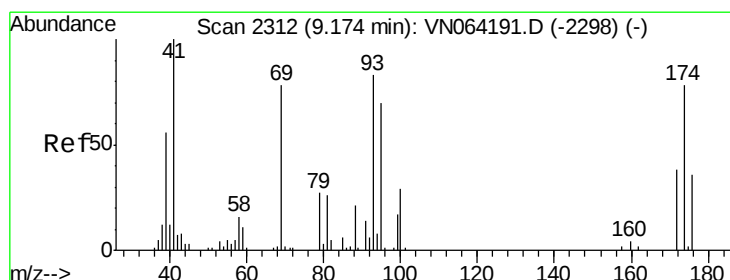
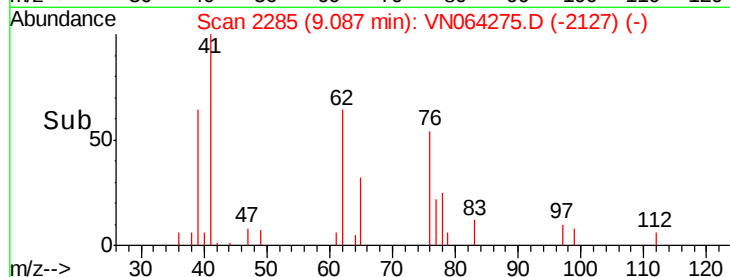
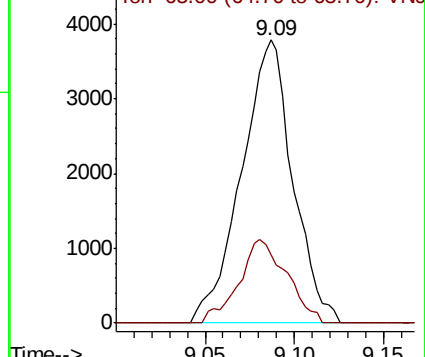
63 100

65 24.1 26.5 39.7#



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 2.391 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

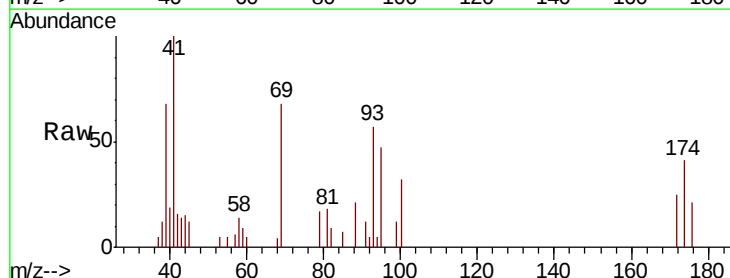
Tgt Ion: 93 Resp: 5451

Ion Ratio Lower Upper

93 100

95 44.9 0.0 169.2

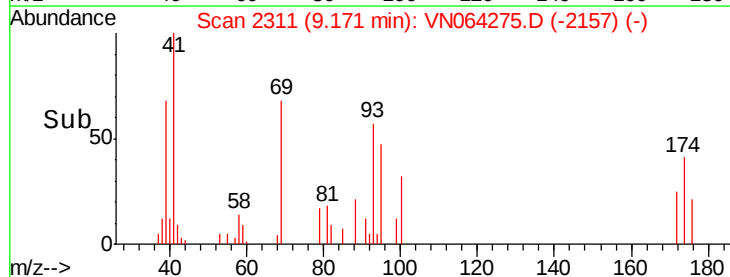
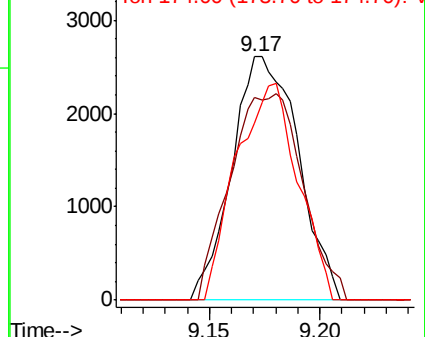
174 82.8 0.0 187.4

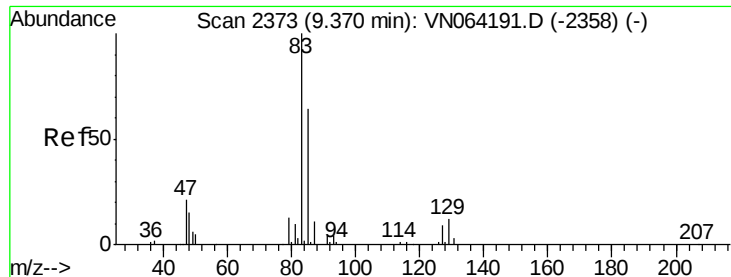


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

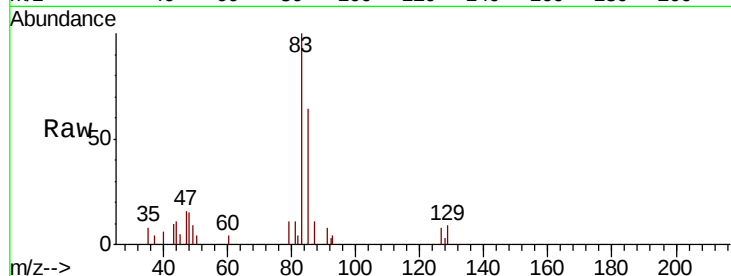




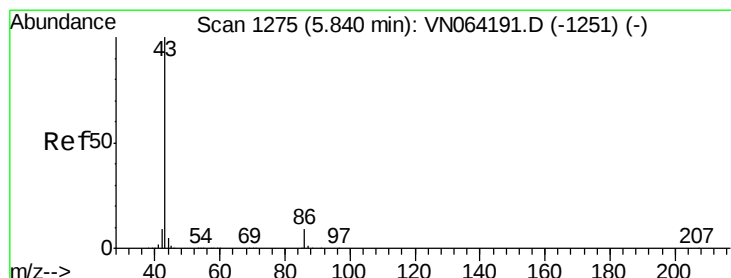
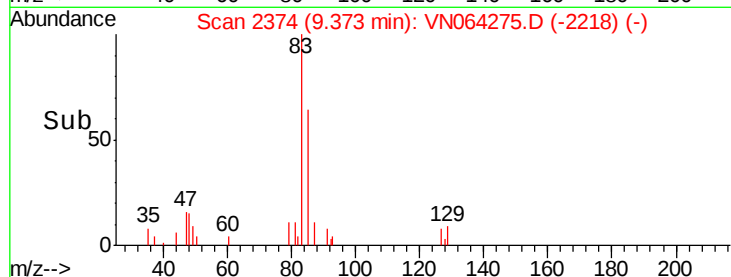
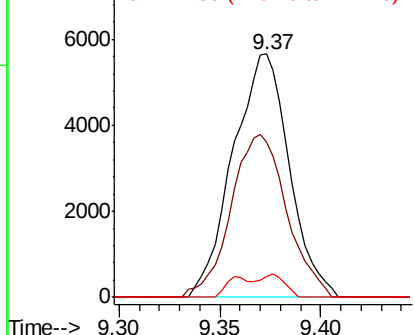
#41
Bromodichloromethane
Concen: 2.239 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 83 Resp: 11045
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3
127 8.4 6.8 10.2

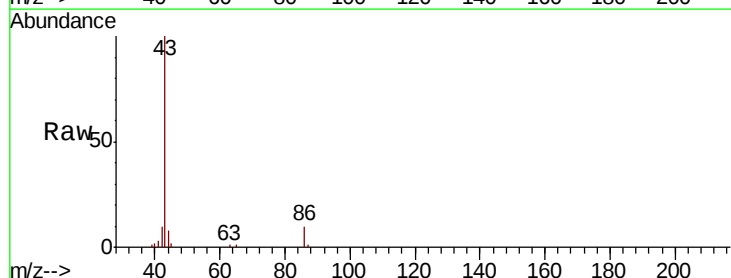


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

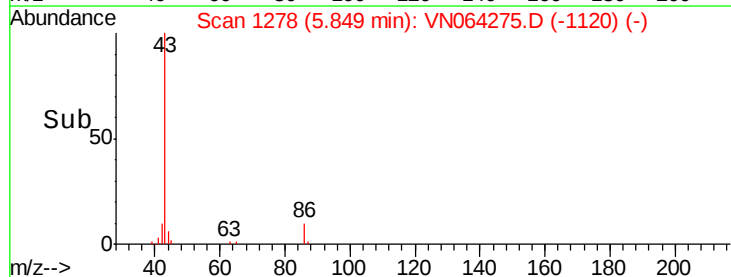
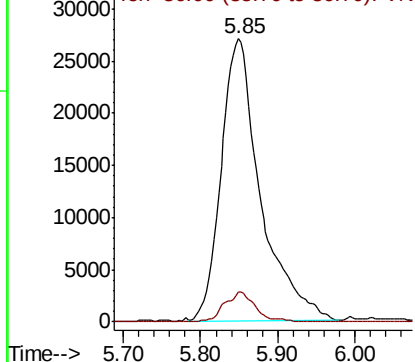


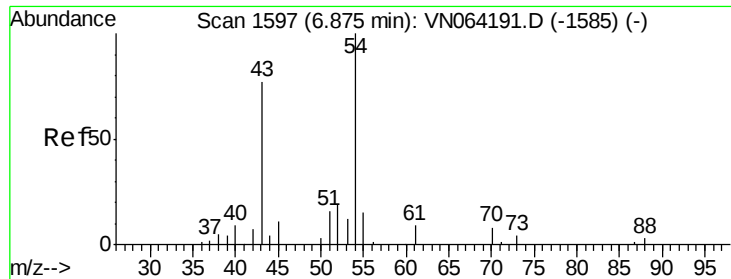
#42
Vinyl Acetate
Concen: 11.051 ug/l
RT: 5.85 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 43 Resp: 95395
Ion Ratio Lower Upper
43 100
86 8.0 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 0.817 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

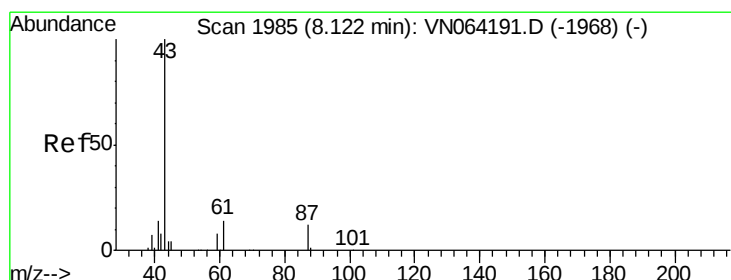
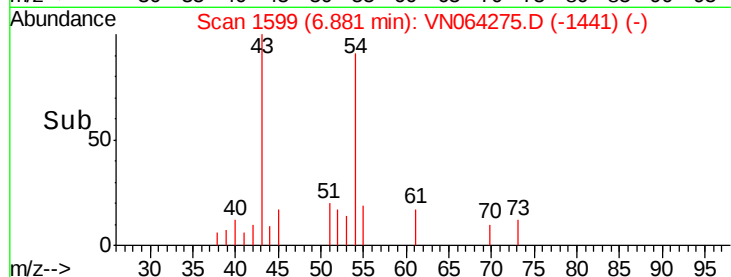
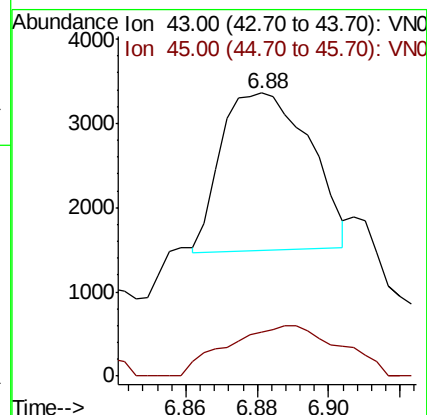
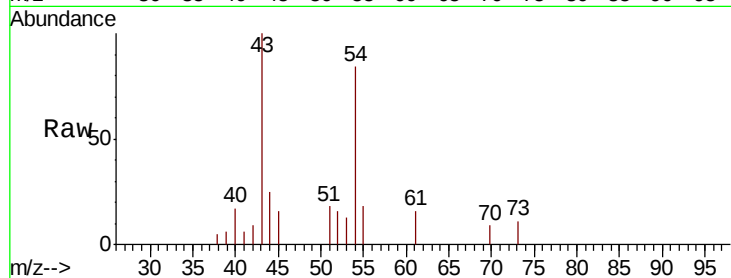
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

45 40.1 9.8 14.8#



#44

Isopropyl Acetate

Concen: 2.446 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VN064275.D

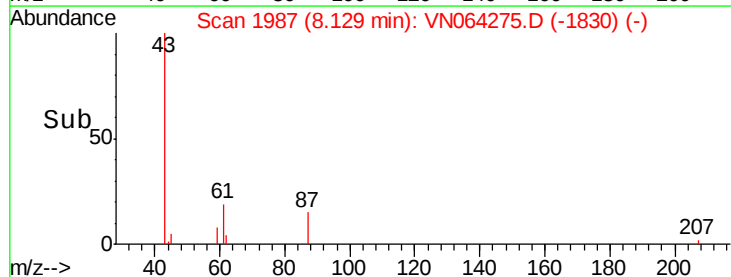
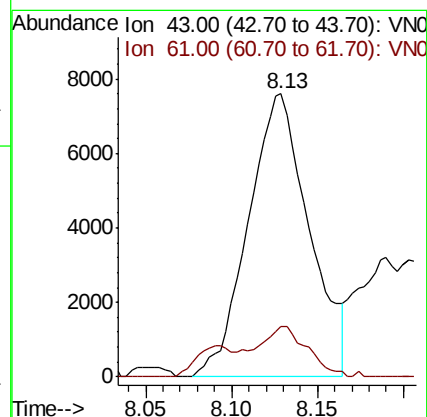
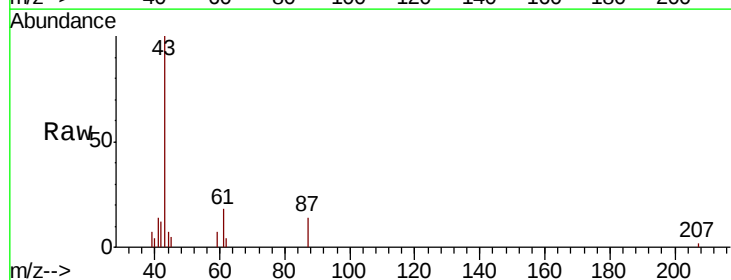
Acq: 23 Oct 2020 1:11

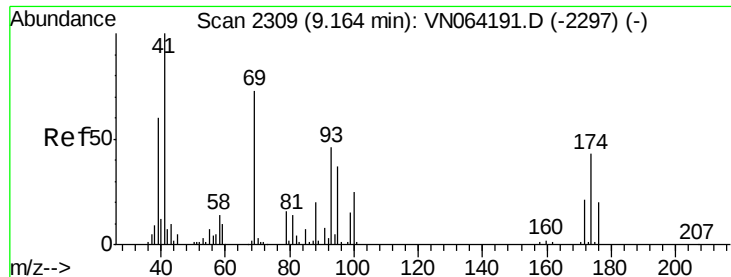
Tgt Ion: 43 Resp: 18651

Ion Ratio Lower Upper

43 100

61 10.6 18.7 28.1#

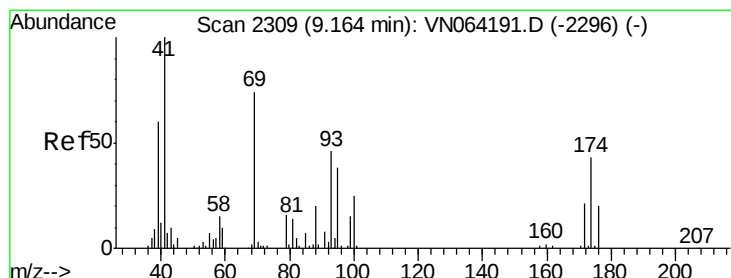
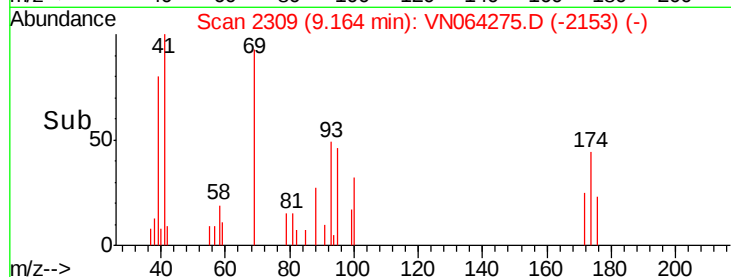
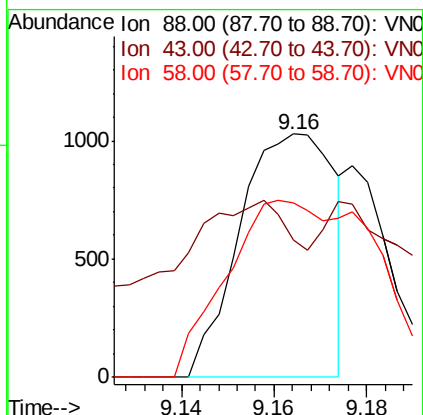
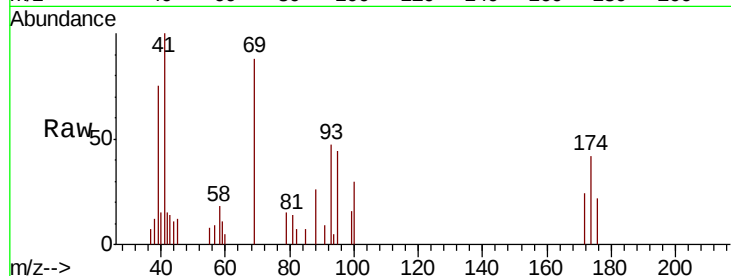




#45
 1,4-Dioxane
 Concen: 32.699 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

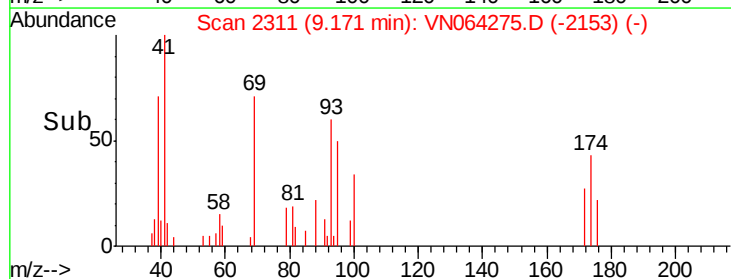
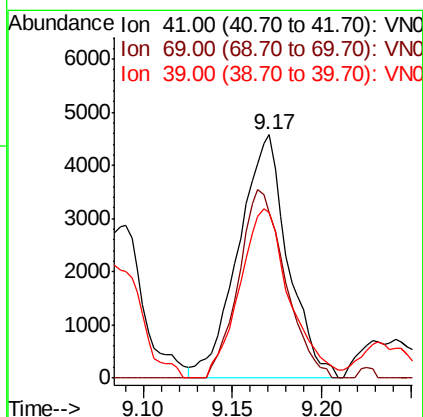
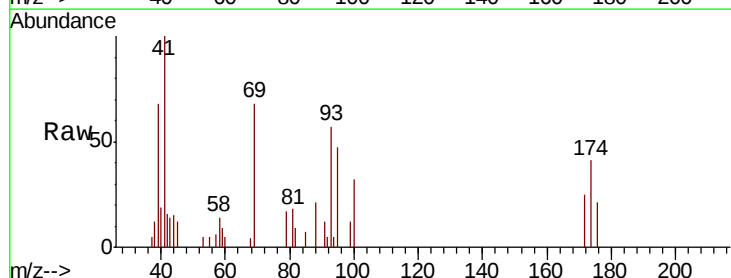
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

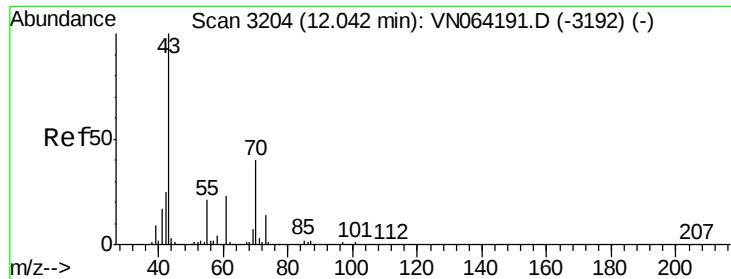
Tot Ion: 88 Resp: 1458
 Ion Ratio Lower Upper
 88 100
 43 45.7 37.0 55.4
 58 72.9 62.4 93.6



#46
 Methyl methacrylate
 Concen: 2.445 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion: 41 Resp: 8846
 Ion Ratio Lower Upper
 41 100
 69 68.1 36.8 110.4
 39 68.2 30.4 91.2





#47

n-amvl Acetate

Concen: 1.678 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

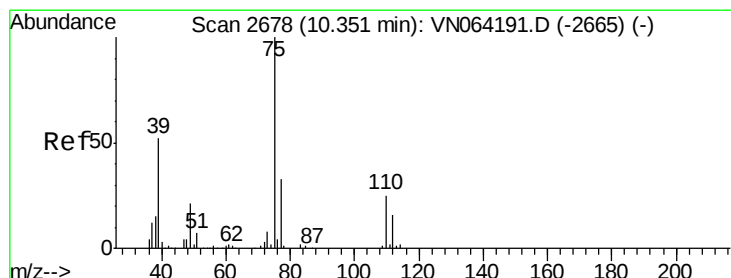
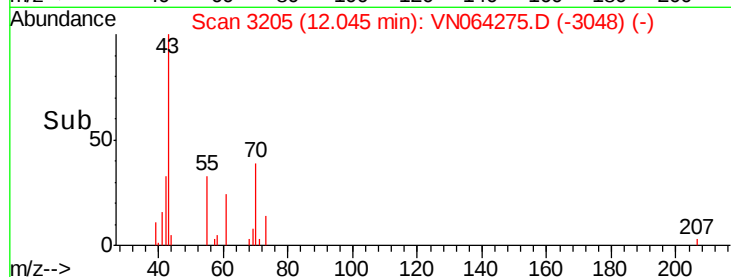
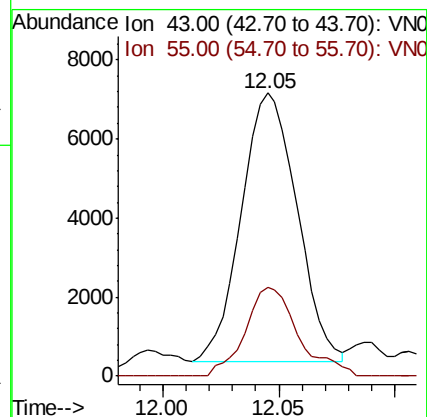
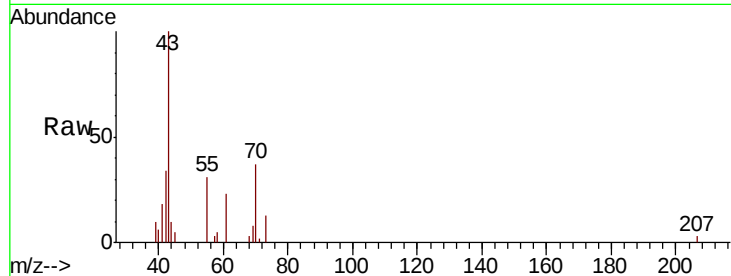
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 11346

Ion Ratio Lower Upper

43 100

55 29.3 17.6 26.4#



#48

t-1,3-Dichloropropene

Concen: 2.075 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064275.D

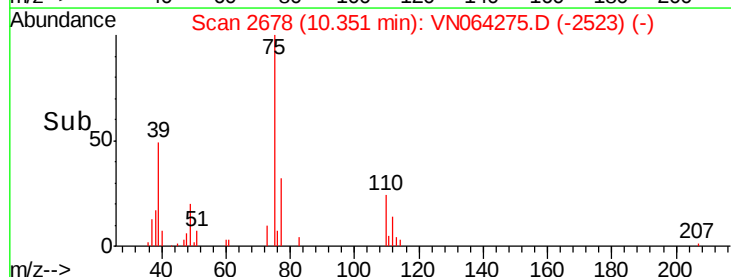
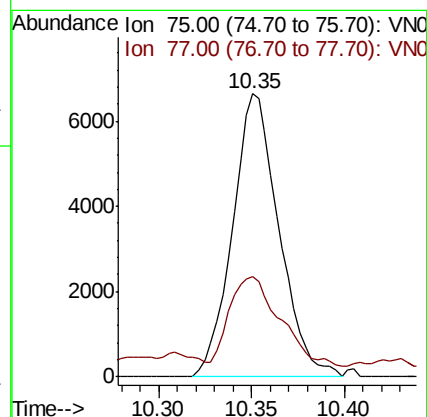
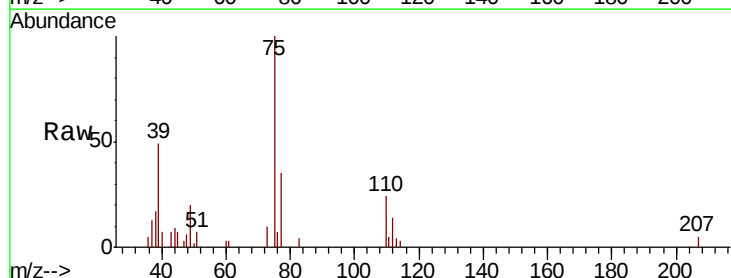
Acq: 23 Oct 2020 1:11

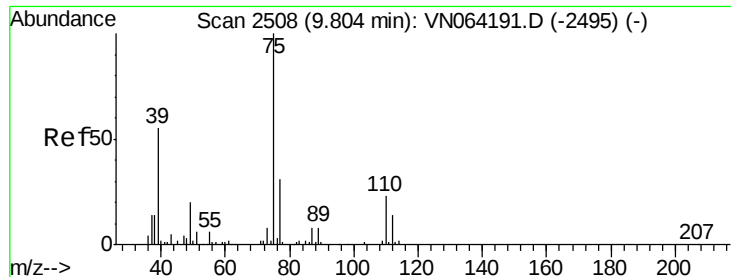
Tgt Ion: 75 Resp: 11546

Ion Ratio Lower Upper

75 100

77 31.4 27.4 41.2



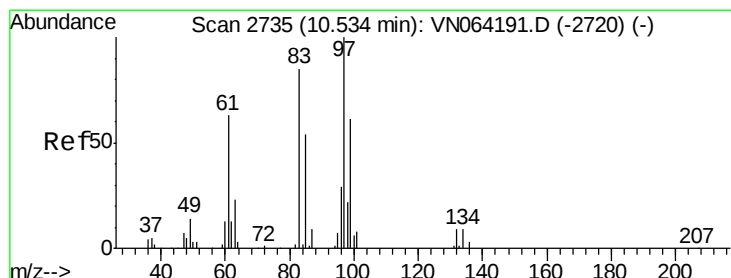
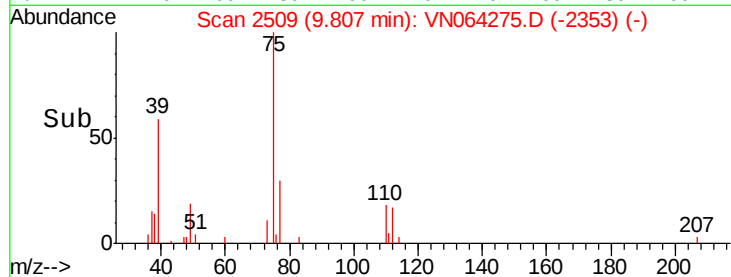
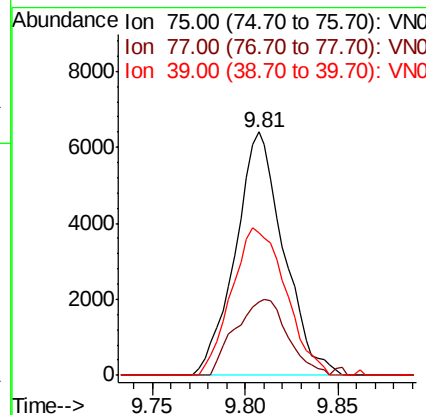
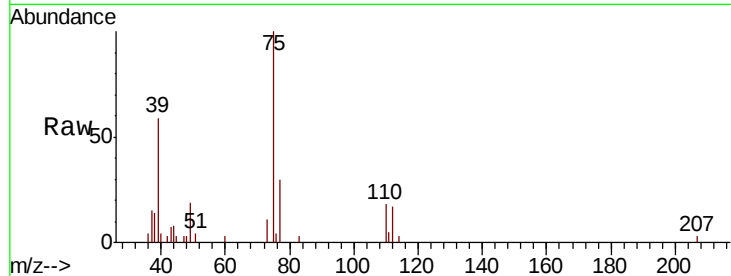


#49

cis-1,3-Dichloropropene
 Concen: 2.010 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

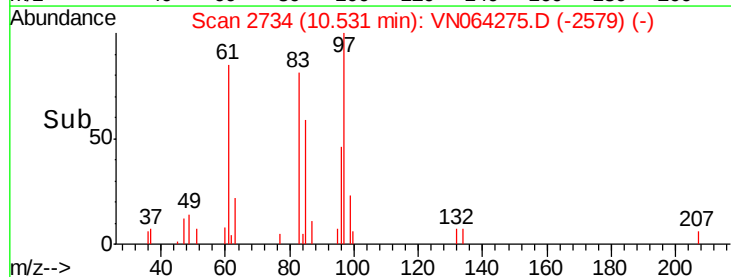
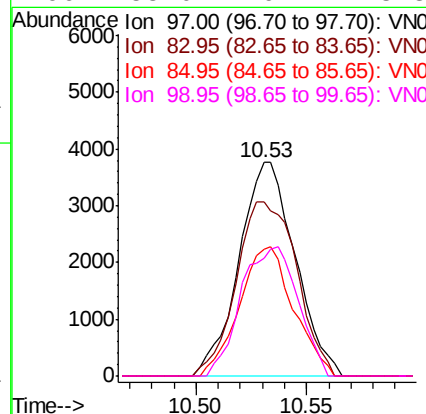
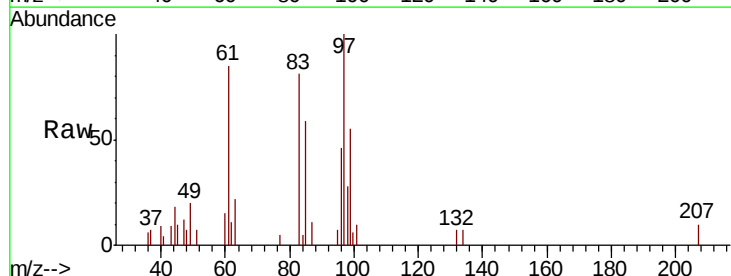
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.5	36.7
39	58.6	43.8	65.8

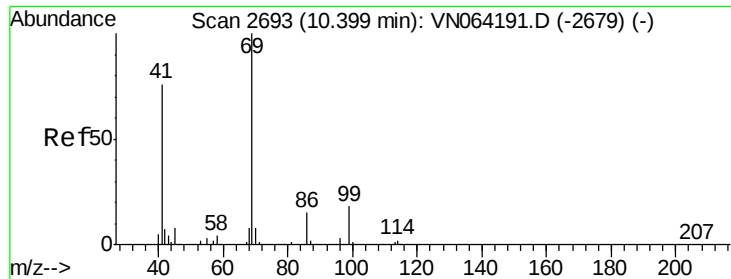


#50

1,1,2-Trichloroethane
 Concen: 2.174 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.2	67.7	101.5
85	59.4	43.2	64.8
99	55.0	49.2	73.8





#51

Ethyl methacrylate

Concen: 2.090 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

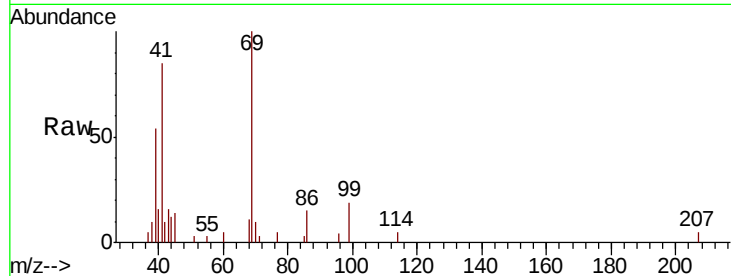
Tot Ion: 69 Resp: 10094

Ion Ratio Lower Upper

69 100

41 78.2 38.0 114.1

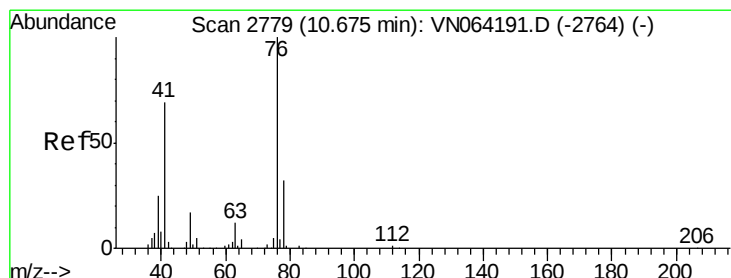
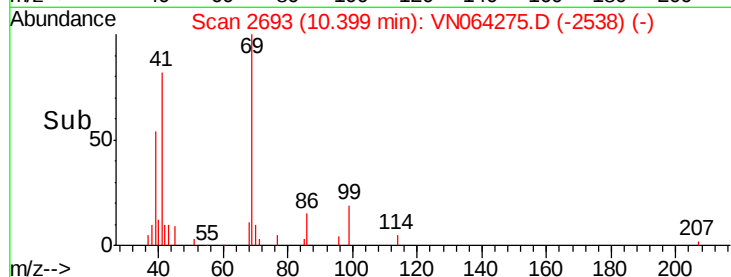
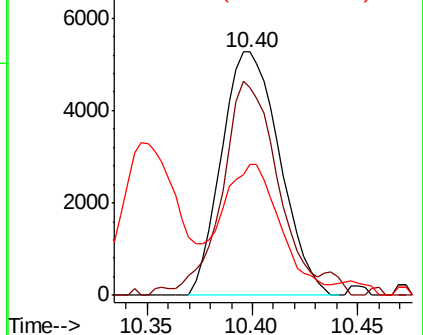
39 48.8 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064191.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064191.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064191.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 2.075 ug/l

RT: 10.68 min Scan# 2781

Delta R.T. 0.01 min

Lab File: VN064275.D

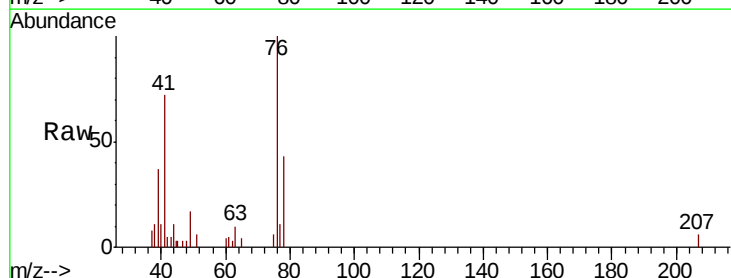
Acq: 23 Oct 2020 1:11

Tgt Ion: 76 Resp: 10928

Ion Ratio Lower Upper

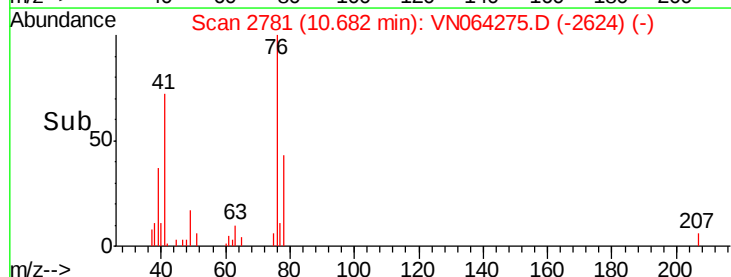
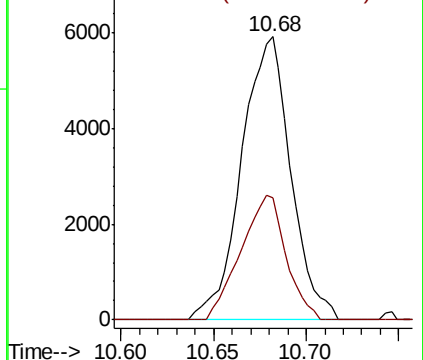
76 100

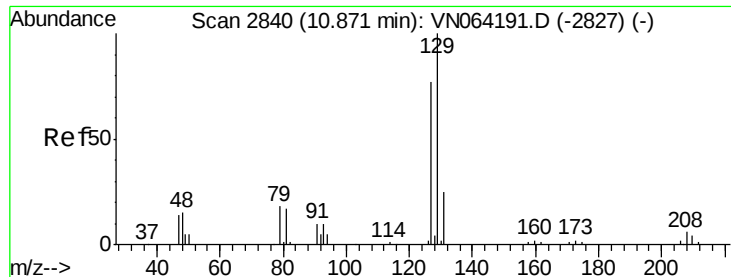
78 40.4 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064191.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064191.D (-2764) (-)

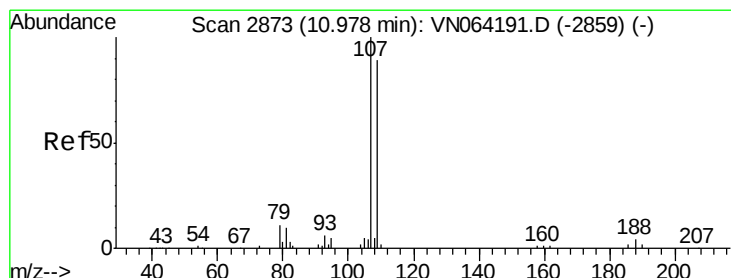
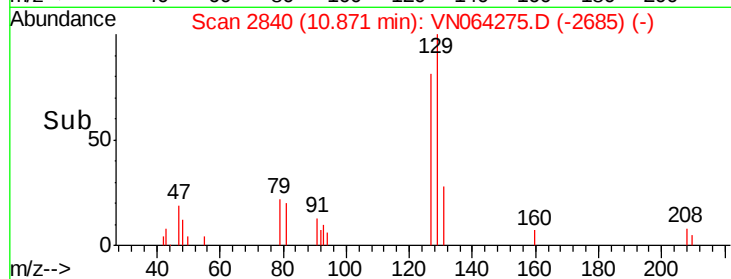
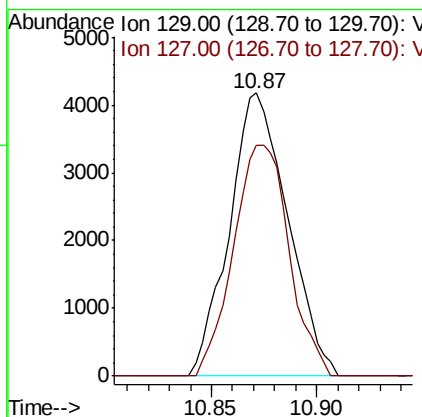
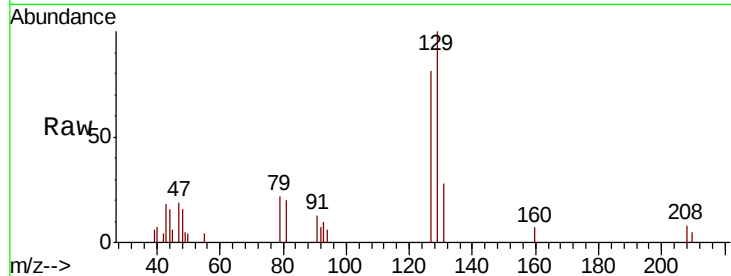




#53
 Dibromochloromethane
 Concen: 2.092 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

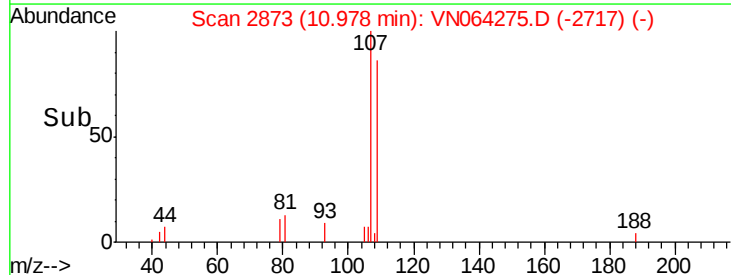
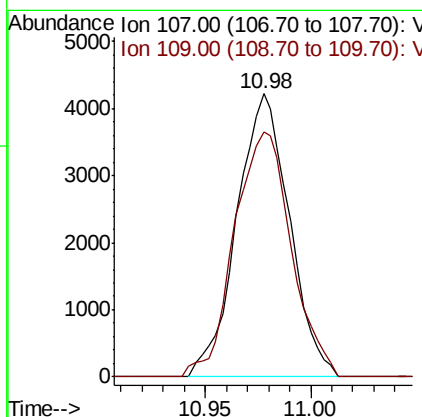
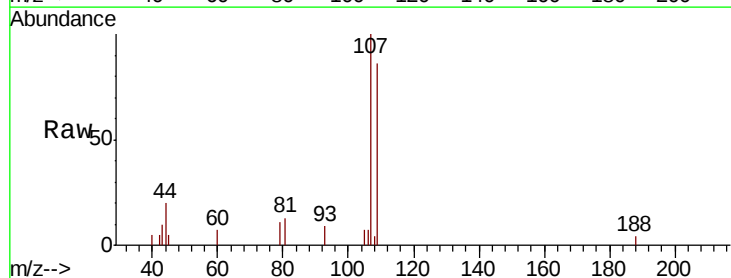
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

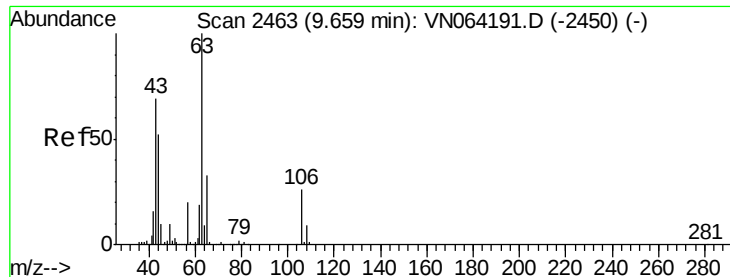
Tot Ion:129 Resp: 8043
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 2.254 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion:107 Resp: 7317
 Ion Ratio Lower Upper
 107 100
 109 93.6 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 10.893 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

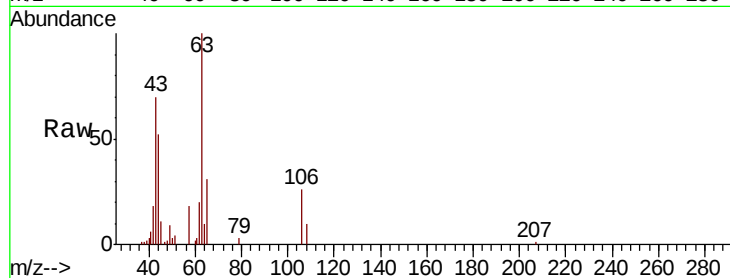
Tot Ion: 63 Resp: 25856

Ion Ratio Lower Upper

63 100

65 30.6 25.9 38.9

106 25.5 21.4 32.2

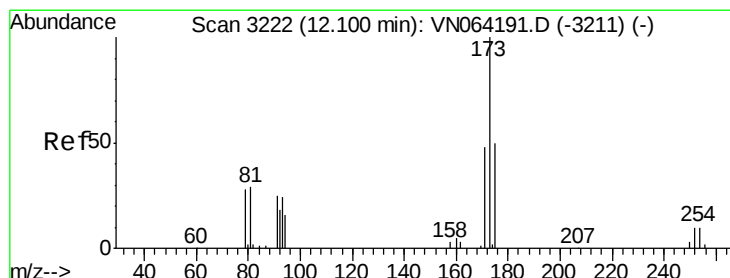
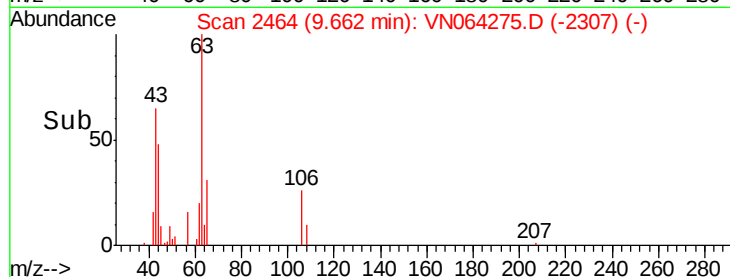
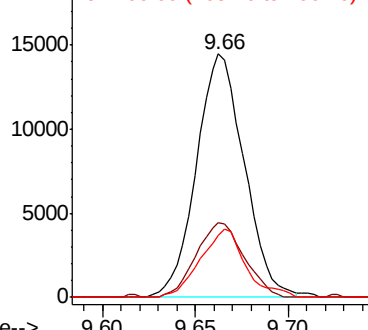


Abundance

Ion 63.00 (62.70 to 63.70): VN064191.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN064191.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN064191.D (-2450) (-)



#56

Bromoform

Concen: 1.670 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

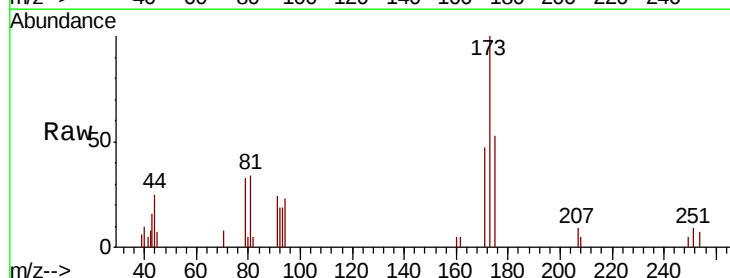
Tgt Ion: 173 Resp: 4471

Ion Ratio Lower Upper

173 100

175 55.9 39.0 58.4

254 2.0 6.8 10.2#

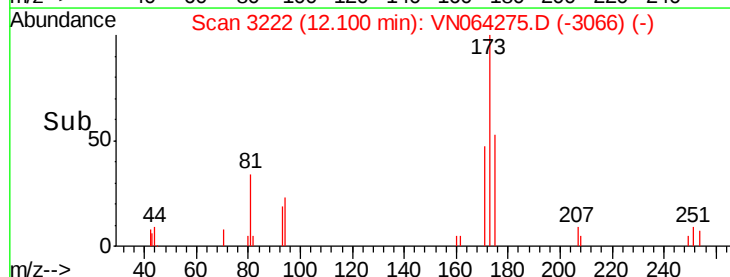
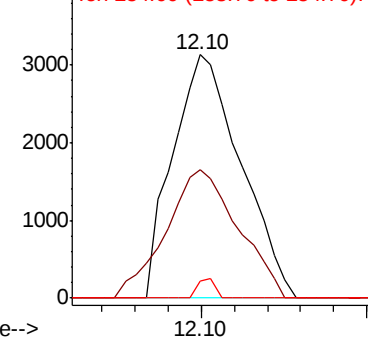


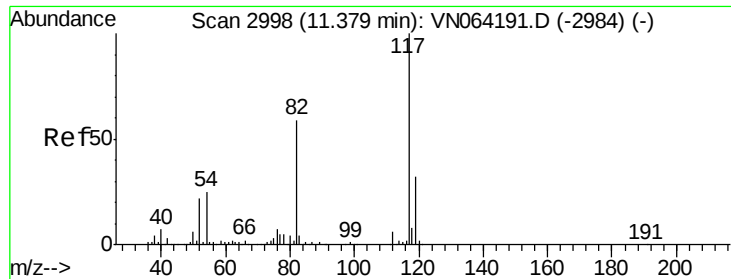
Abundance

Ion 173.00 (172.70 to 173.70): VN064191.D (-3211) (-)

Ion 175.00 (174.70 to 175.70): VN064191.D (-3211) (-)

Ion 254.00 (253.70 to 254.70): VN064191.D (-3211) (-)

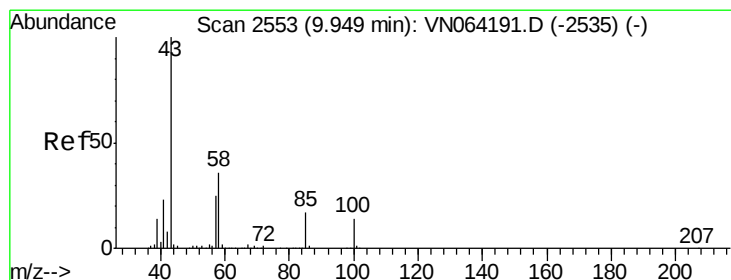
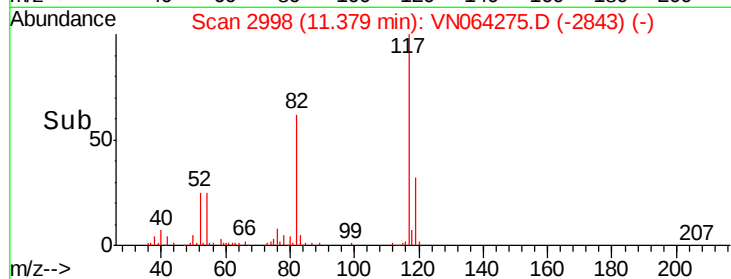
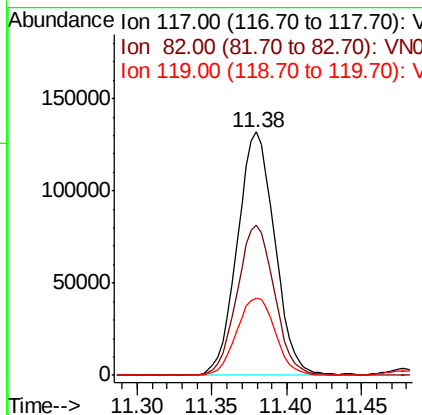
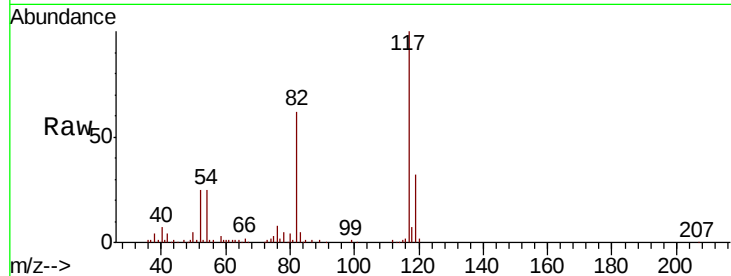




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

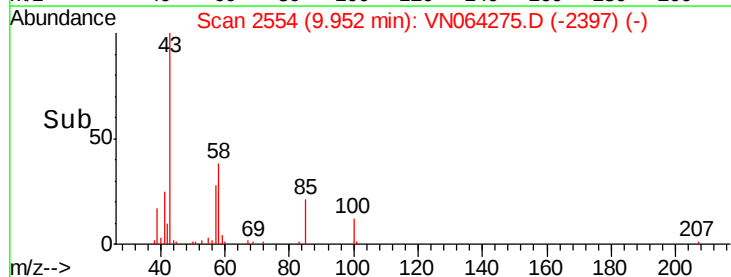
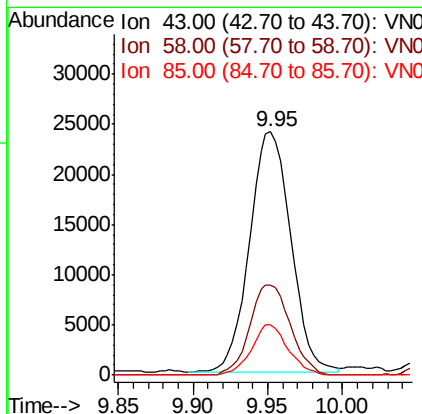
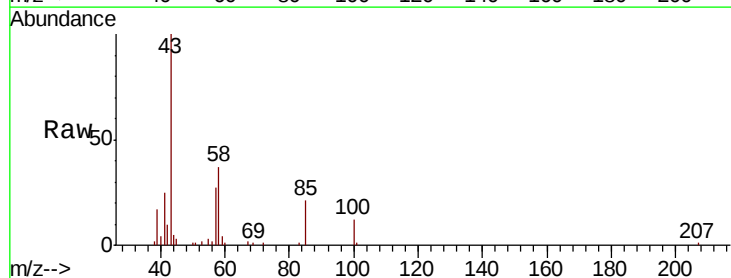
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

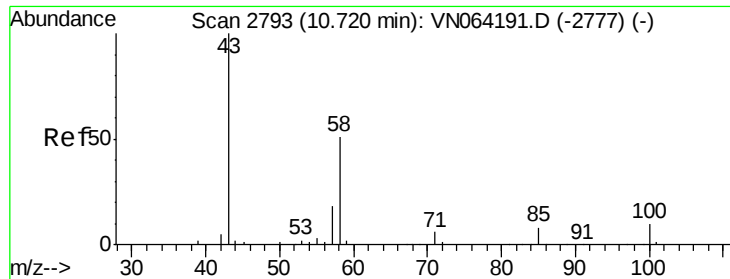
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	47.8	71.8
119	32.9	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 11.820 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.5	44.3
85	18.6	13.7	20.5

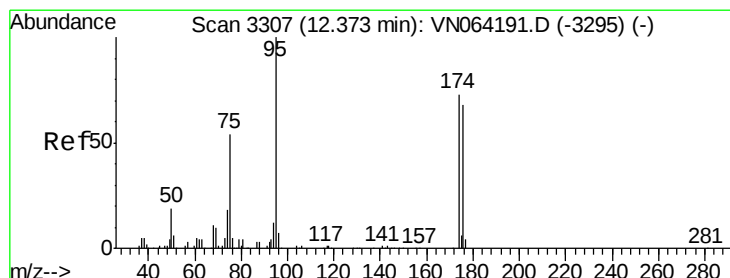
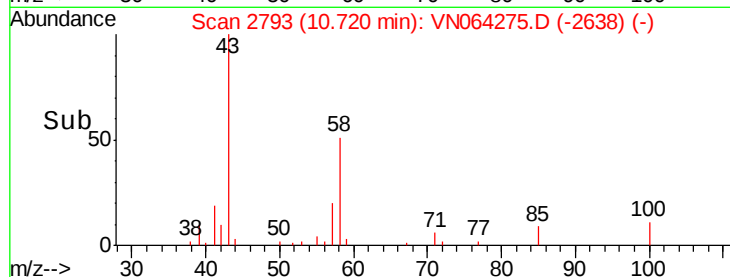
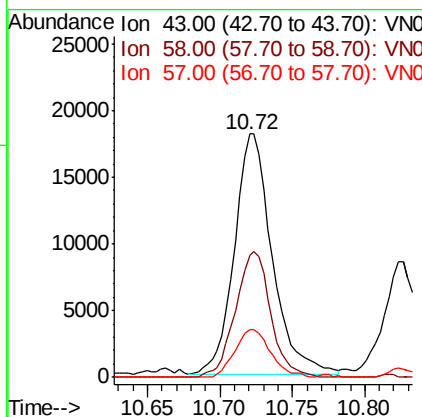
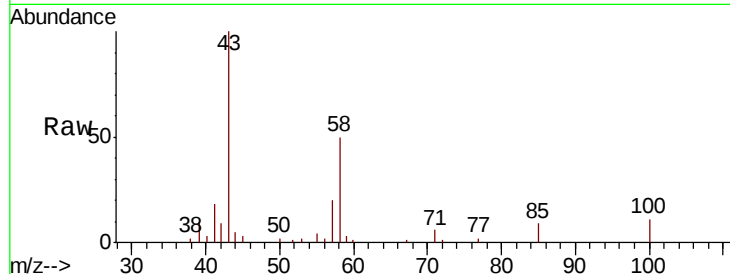




#59
2-Hexanone
Concen: 11.370 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

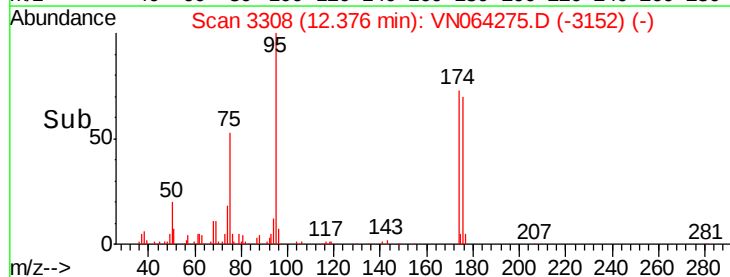
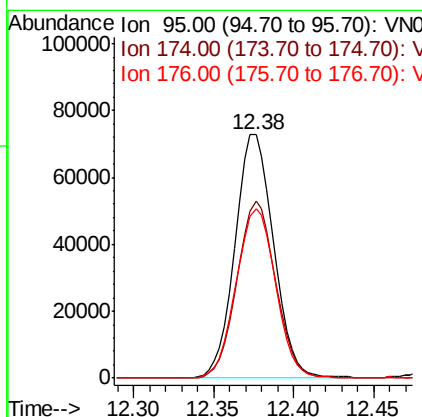
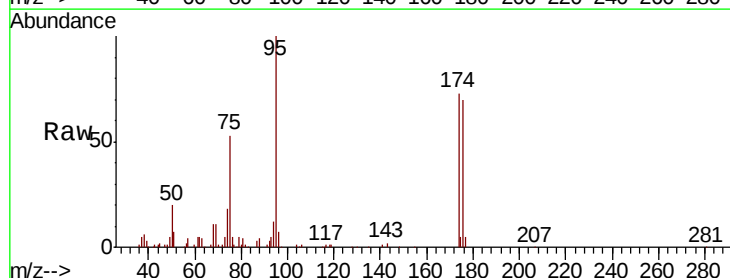
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

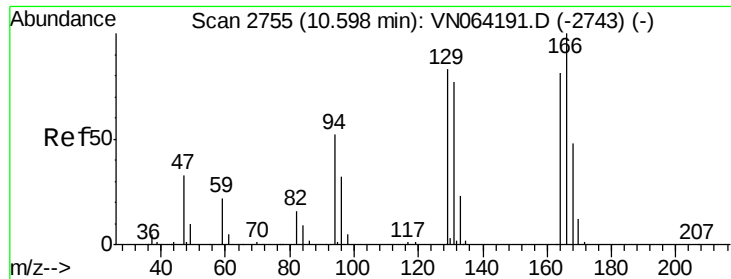
Tot Ion	43	58	57
Resp	32844		
Ratio	100	48.2	18.8
Lower		40.2	14.8
Upper		60.4	22.2



#60
4-Bromofluorobenzene
Concen: 29.072 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion	95	174	176
Resp	119627		
Ratio	100	73.0	71.1
Lower		57.6	54.9
Upper		86.4	82.3

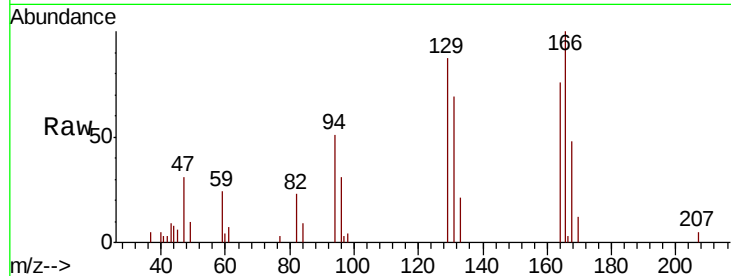




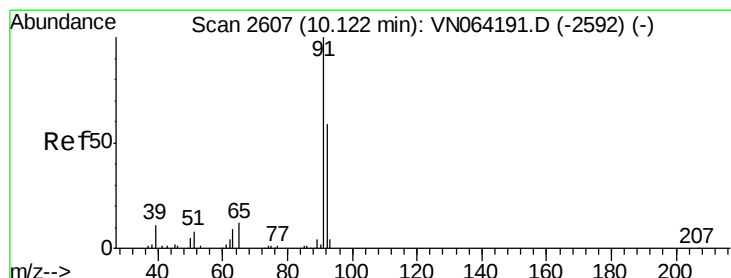
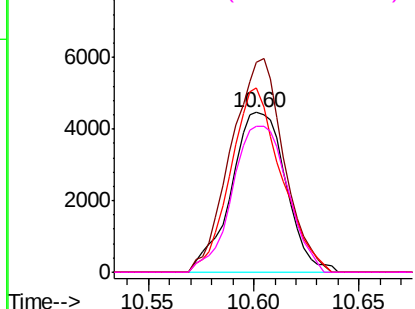
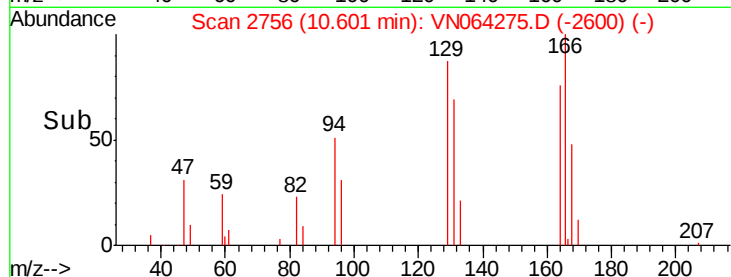
#61
Tetrachloroethene
Concen: 2.603 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:164 Resp: 8056
Ion Ratio Lower Upper
164 100
166 131.6 99.2 148.8
129 115.0 82.8 124.2
131 91.0 76.2 114.4

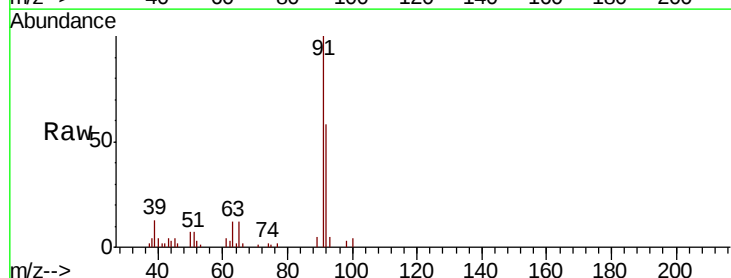


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

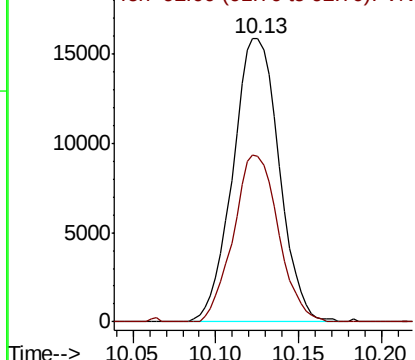
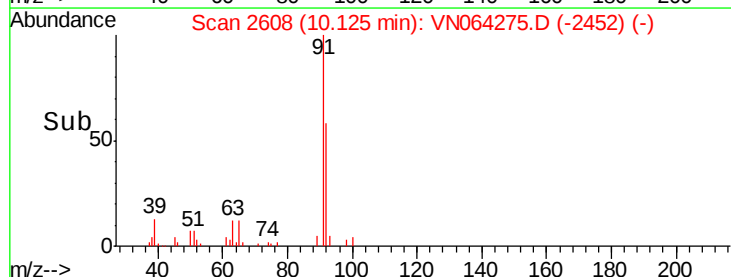


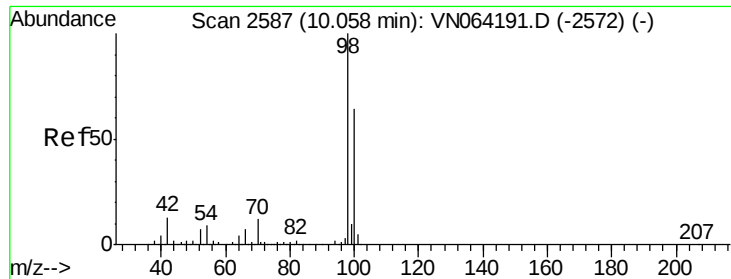
#62
Toluene
Concen: 2.346 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 91 Resp: 30795
Ion Ratio Lower Upper
91 100
92 57.1 46.8 70.2



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





#63

Toluene-d8

Concen: 30.482 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

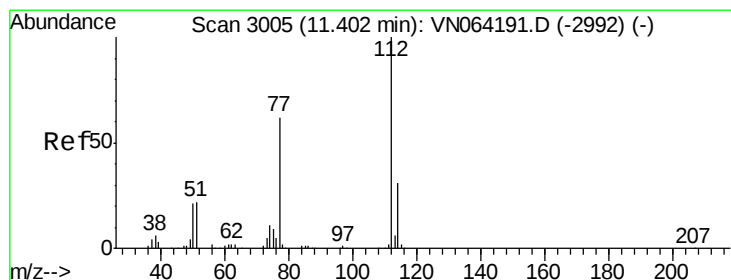
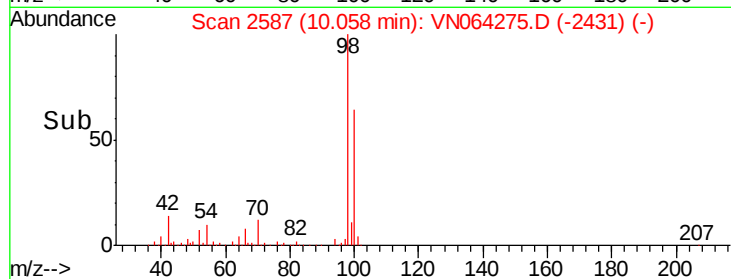
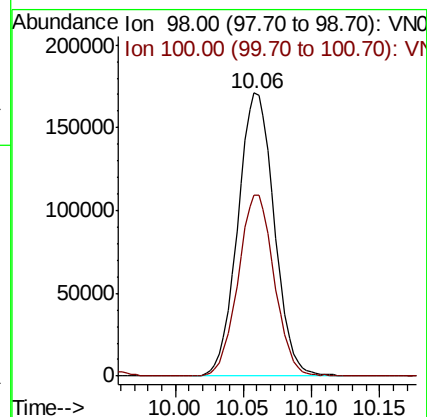
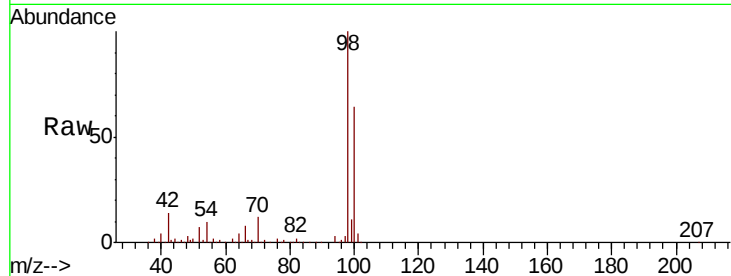
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 98 Resp: 316879

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#64

Chlorobenzene

Concen: 2.383 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064275.D

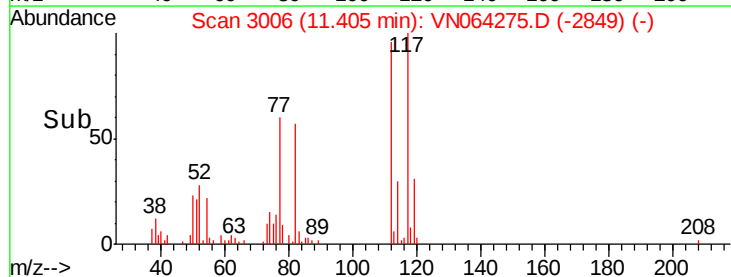
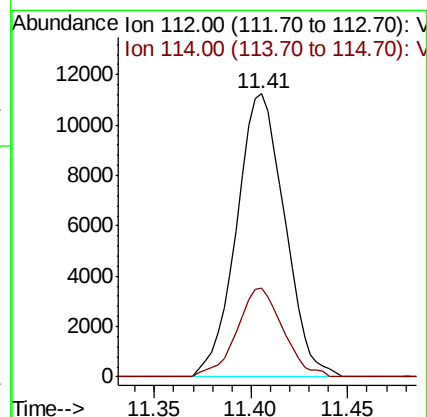
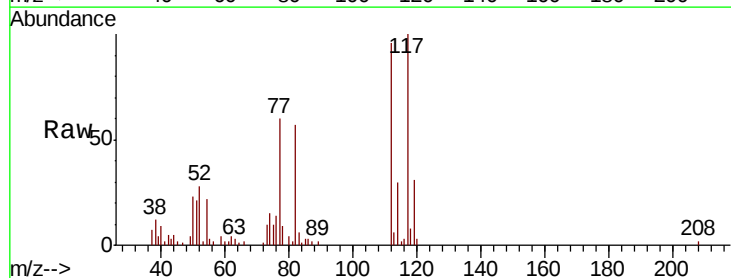
Acq: 23 Oct 2020 1:11

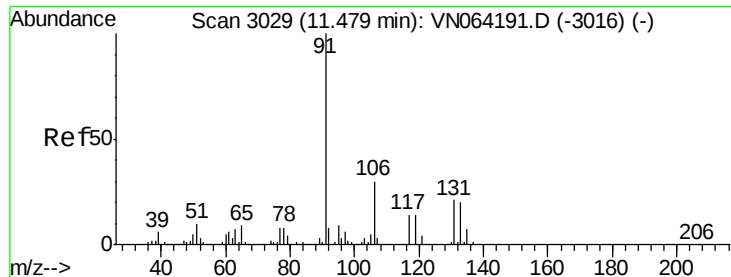
Tgt Ion: 112 Resp: 19477

Ion Ratio Lower Upper

112 100

114 31.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 2.375 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

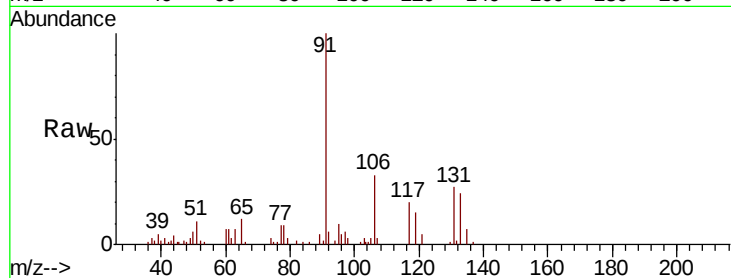
Tot Ion:131 Resp: 7607

Ion Ratio Lower Upper

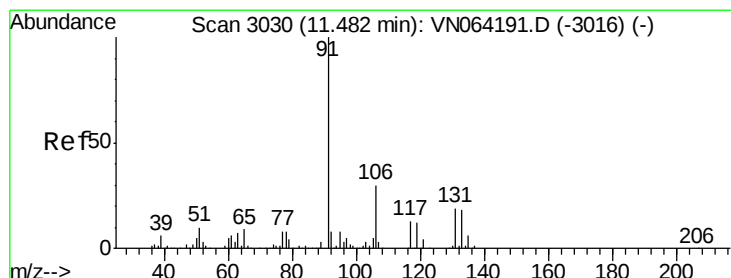
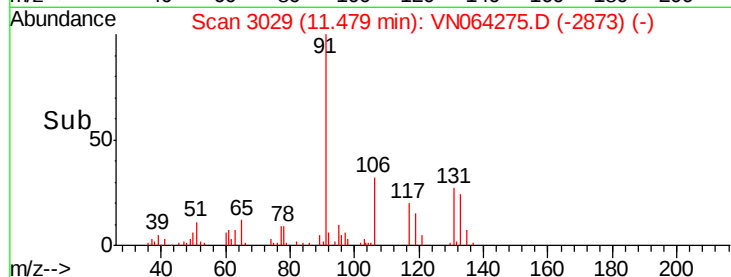
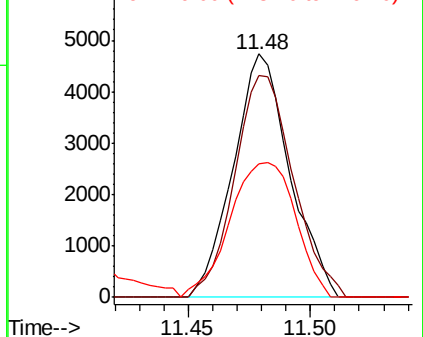
131 100

133 94.8 0.0 193.0

119 64.3 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.215 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064275.D

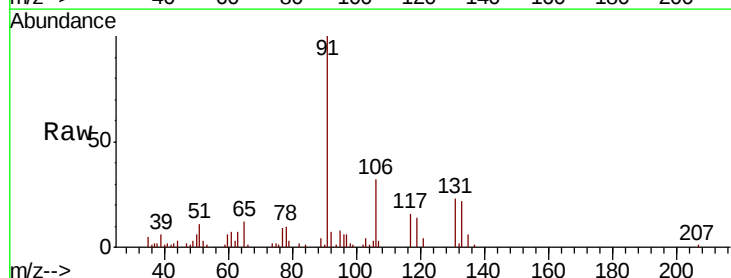
Acq: 23 Oct 2020 1:11

Tgt Ion: 91 Resp: 33436

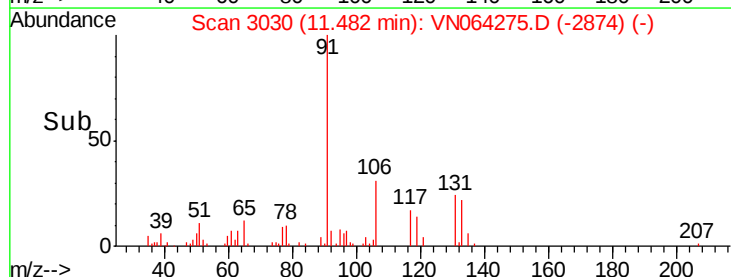
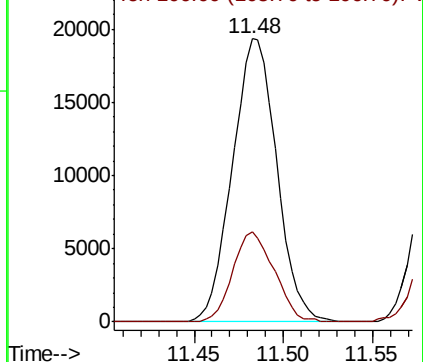
Ion Ratio Lower Upper

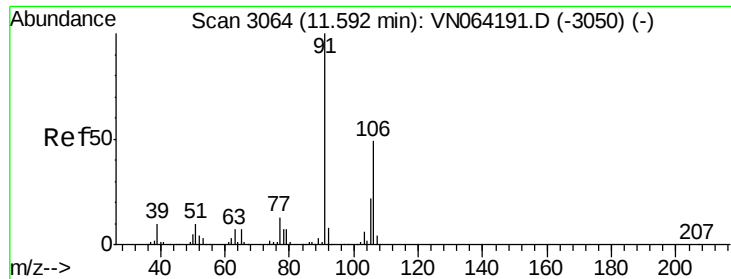
91 100

106 31.9 23.9 35.9



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

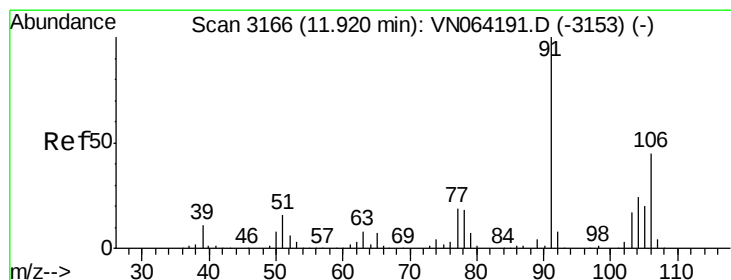
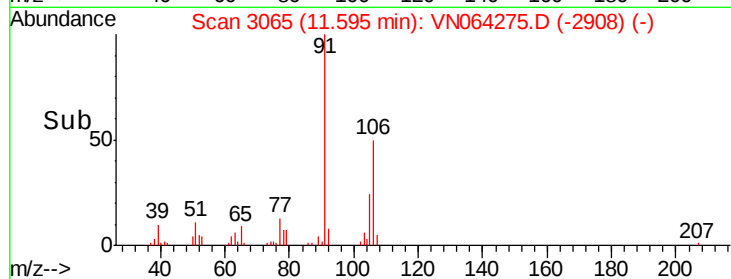
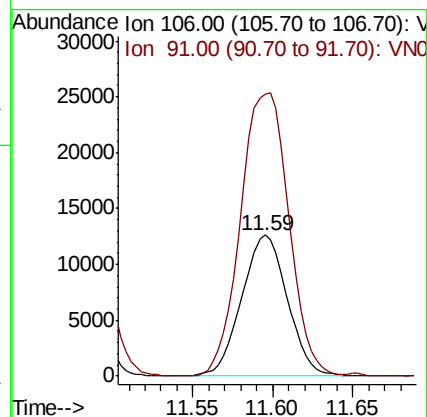
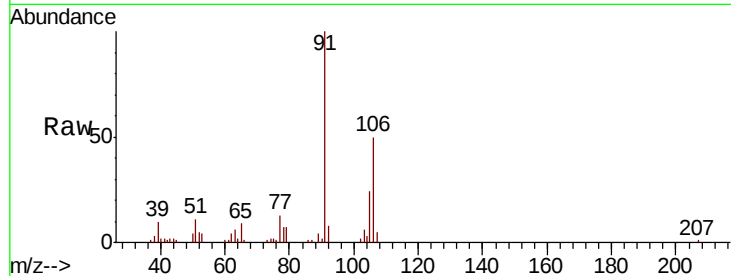




#67
m/p-Xylenes
Concen: 4.392 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

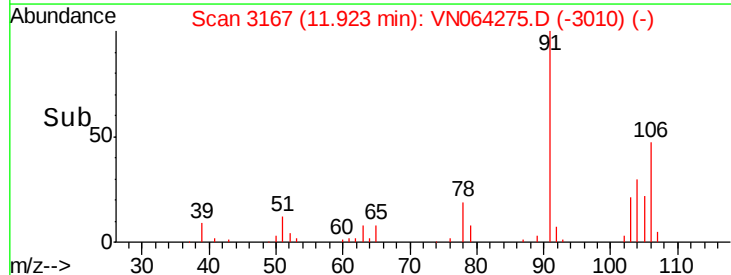
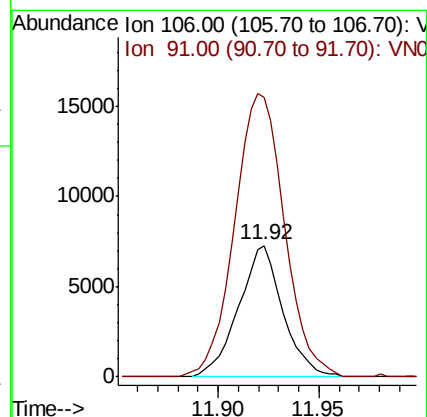
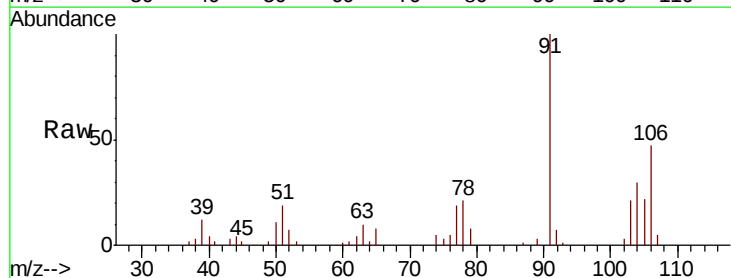
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

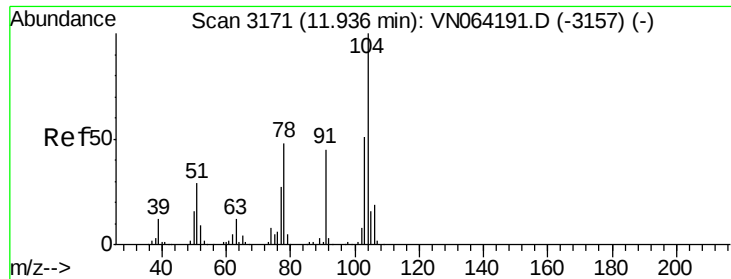
Tot Ion:106 Resp: 24654
Ion Ratio Lower Upper
106 100
91 212.1 167.9 251.9



#68
o-Xylene
Concen: 2.055 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion:106 Resp: 11191
Ion Ratio Lower Upper
106 100
91 242.3 113.9 341.7

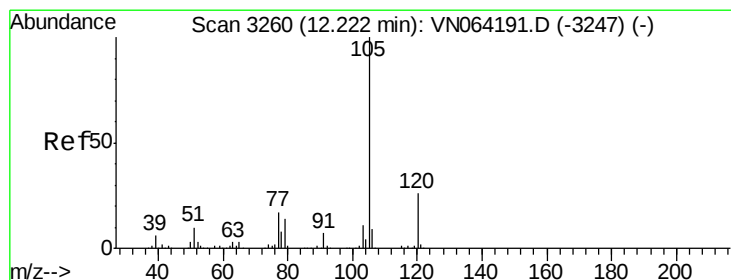
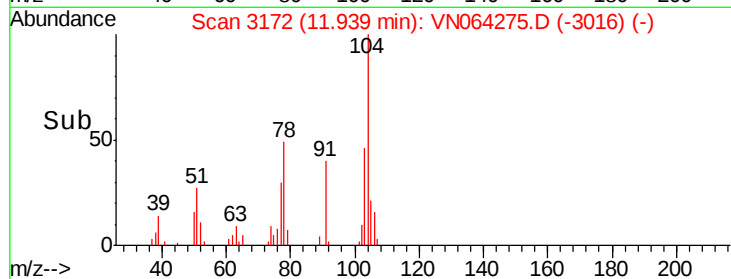
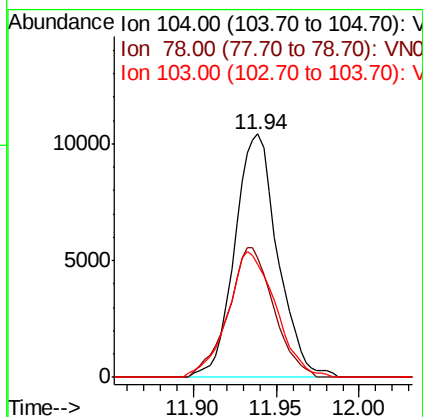
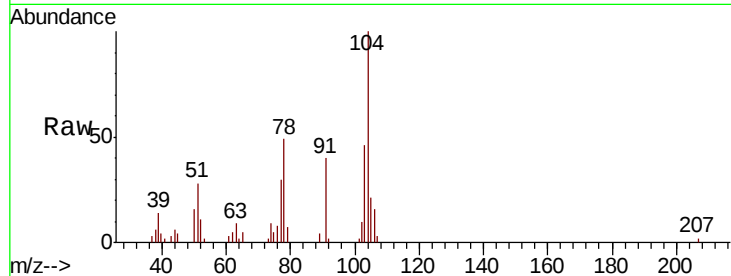




#69
Stvrene
Concen: 2.029 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

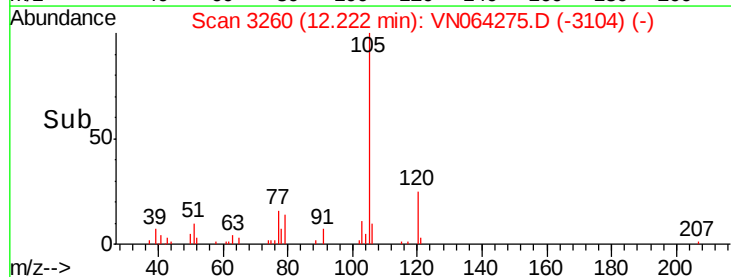
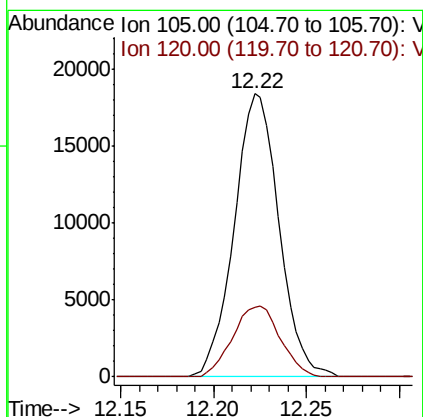
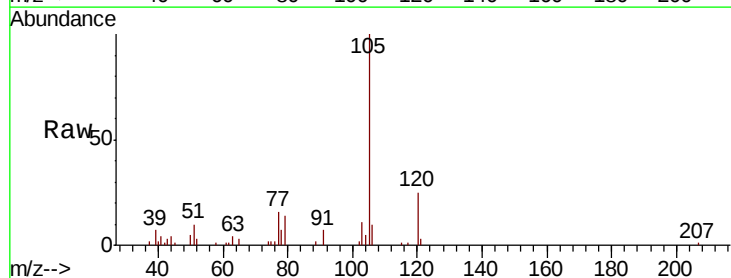
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

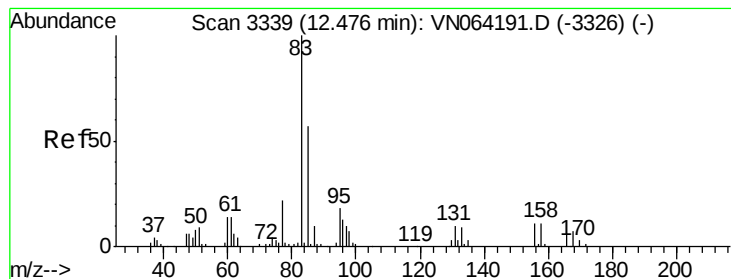
Tot Ion	Ratio	Lower	Upper
104	100		
78	56.3	43.6	65.4
103	58.0	44.8	67.2



#70
Isopropylbenzene
Concen: 2.145 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 2.178 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

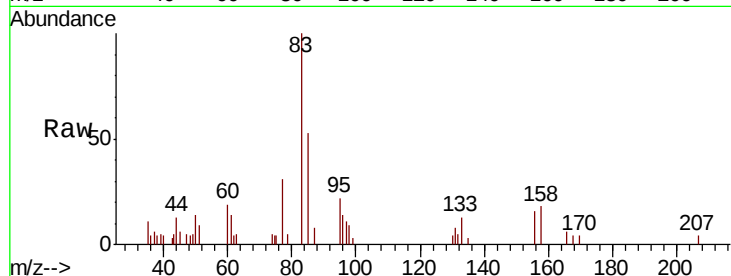
Tot Ion: 83 Resp: 8586

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.4

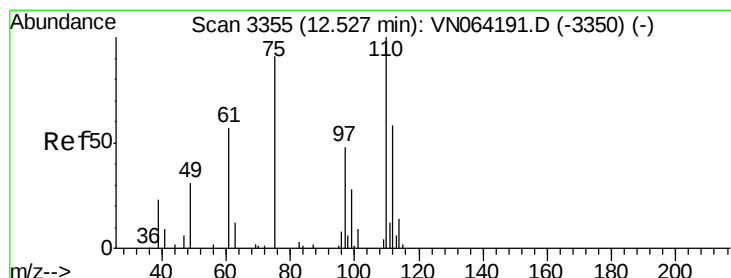
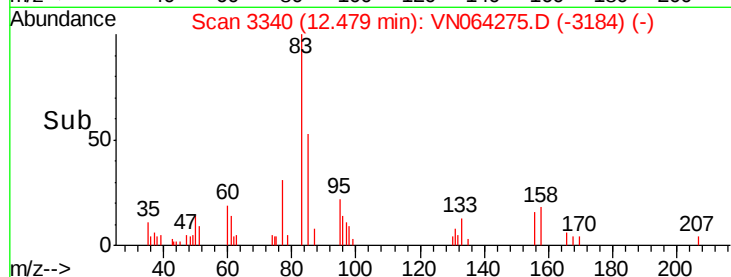
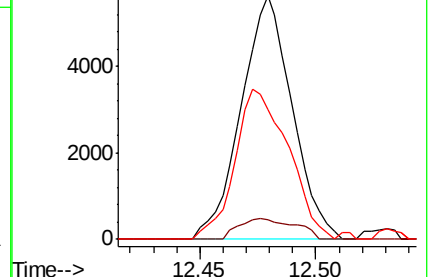
85 64.4 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN064191.D (-3326) (-)

Ion 131.00 (130.70 to 131.70): VN064191.D (-3326) (-)

Ion 85.00 (84.70 to 85.70): VN064191.D (-3326) (-)



#72

1,2,3-Trichloropropane

Concen: 3.134 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064275.D

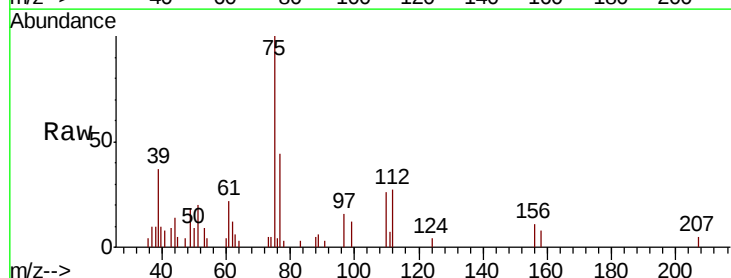
Acq: 23 Oct 2020 1:11

Tgt Ion: 75 Resp: 12891

Ion Ratio Lower Upper

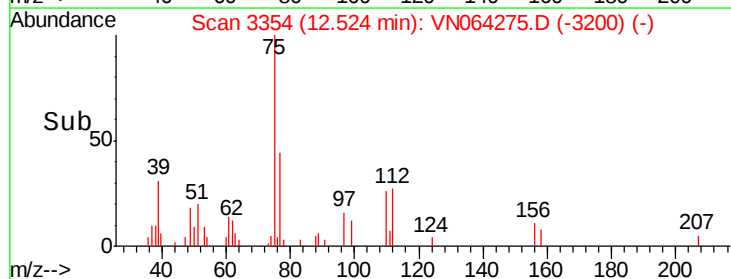
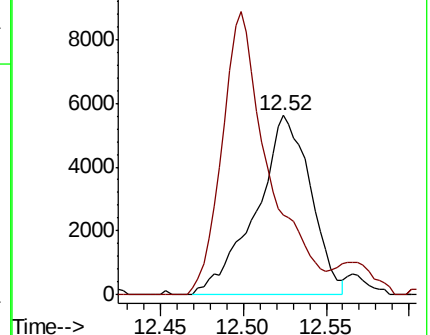
75 100

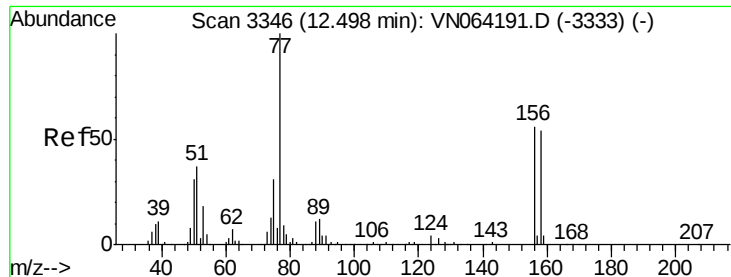
77 134.6 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064191.D (-3350) (-)

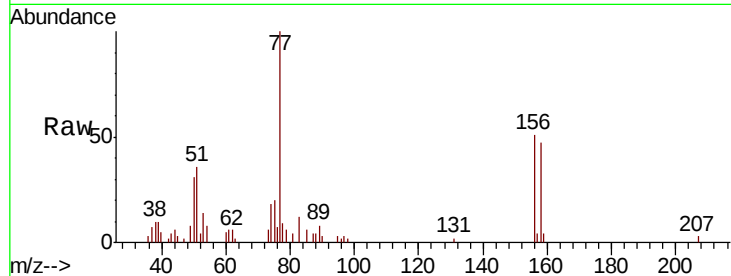




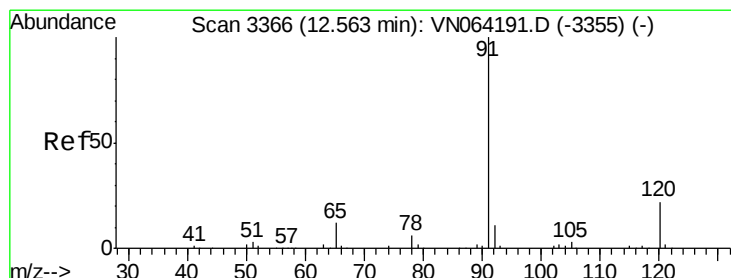
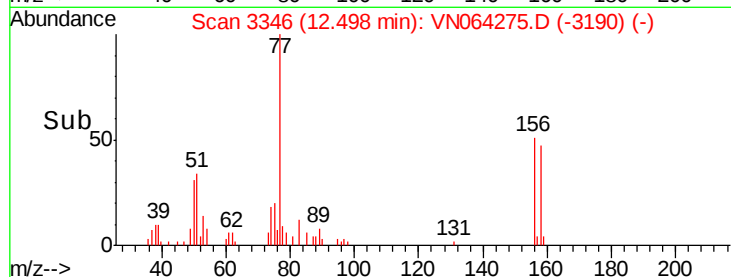
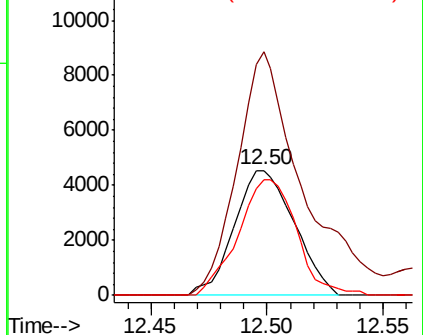
#73
Bromobenzene
Concen: 2.354 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:156 Resp: 8164
Ion Ratio Lower Upper
156 100
77 212.5 0.0 429.8
158 89.9 0.0 190.6

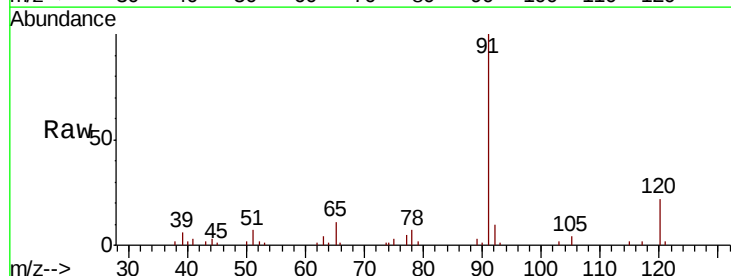


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

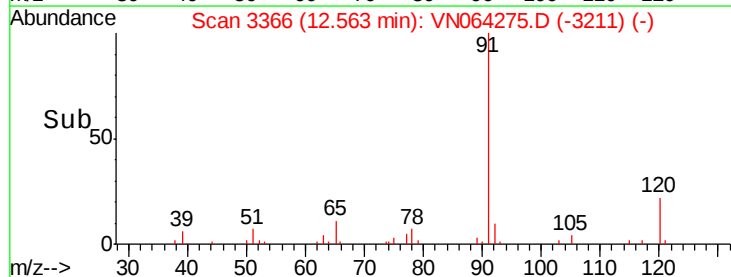
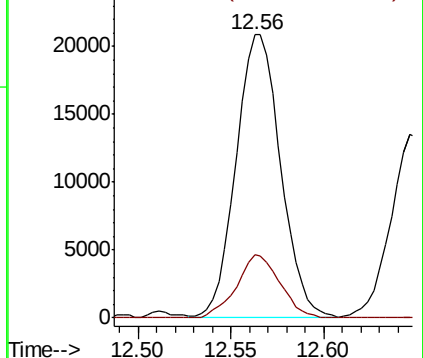


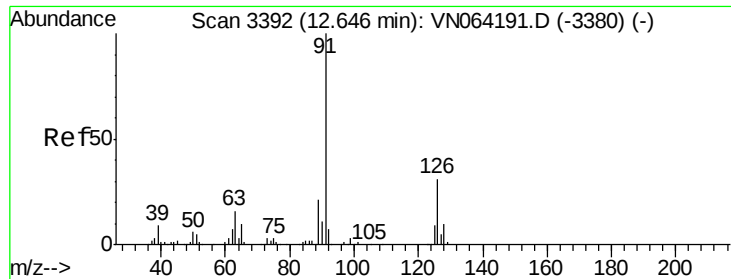
#74
n-propylbenzene
Concen: 2.126 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 91 Resp: 34910
Ion Ratio Lower Upper
91 100
120 21.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.234 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

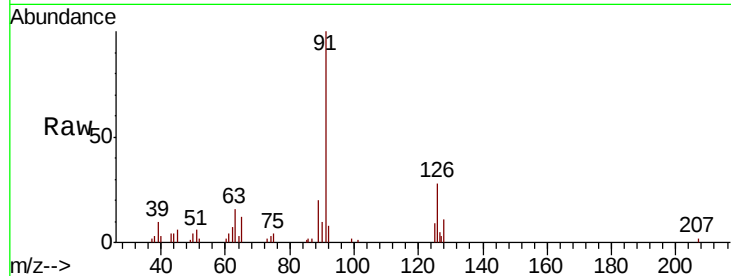
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 22709

Ion Ratio Lower Upper

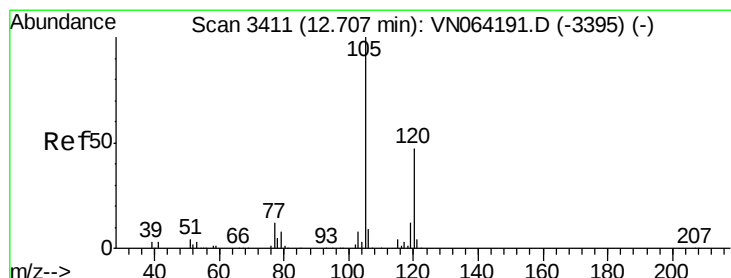
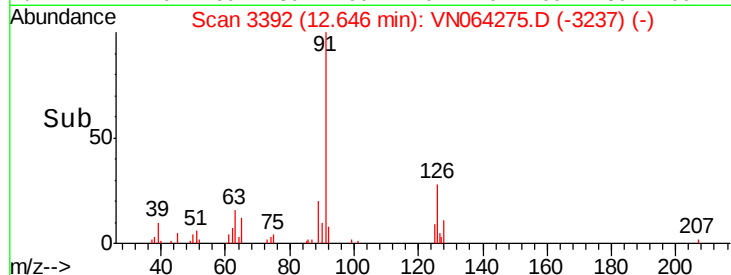
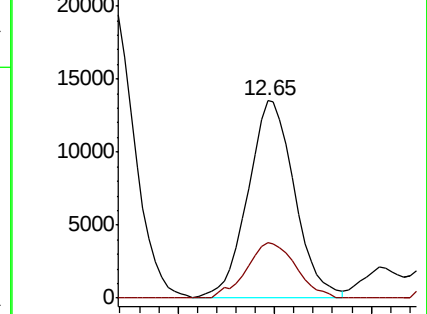
91 100

126 29.6 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064191.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.057 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064275.D

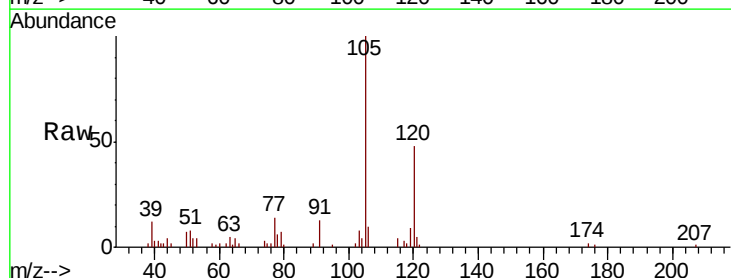
Acq: 23 Oct 2020 1:11

Tgt Ion: 105 Resp: 25173

Ion Ratio Lower Upper

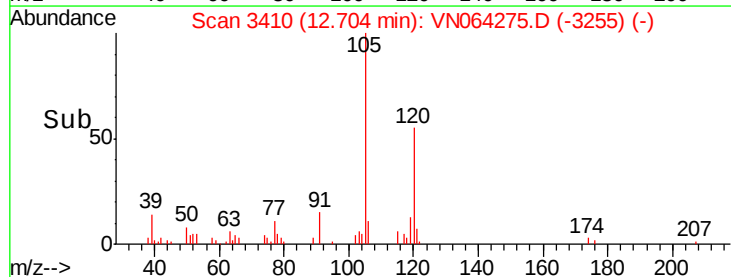
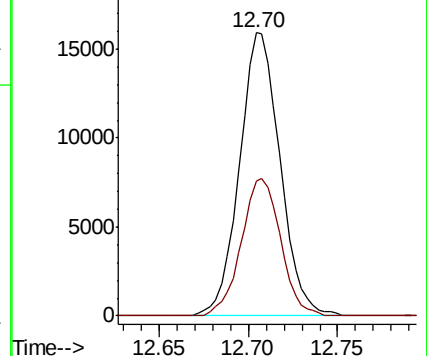
105 100

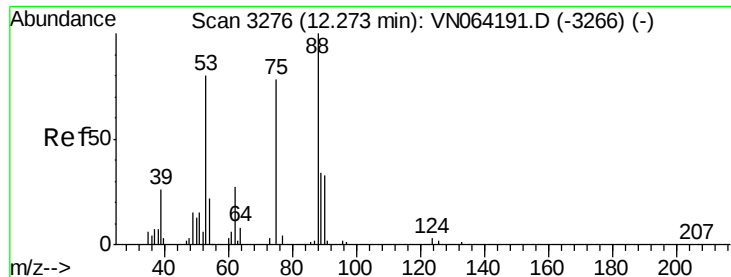
120 47.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064191.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 1.803 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

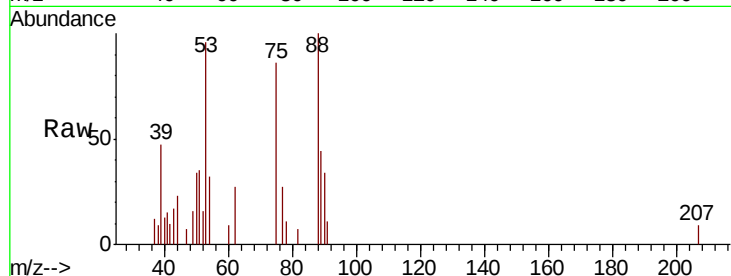
Tot Ion: 75 Resp: 2899

Ion Ratio Lower Upper

75 100

53 100.3 51.4 154.2

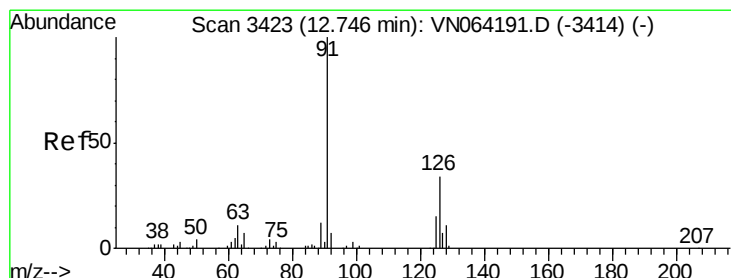
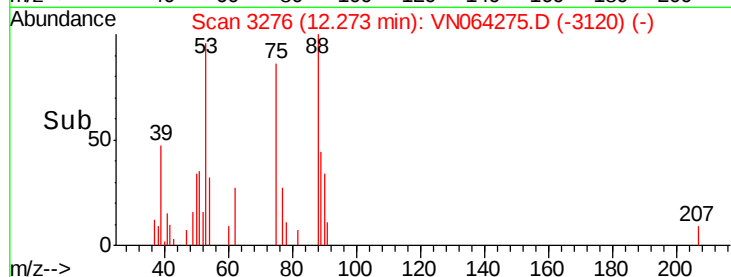
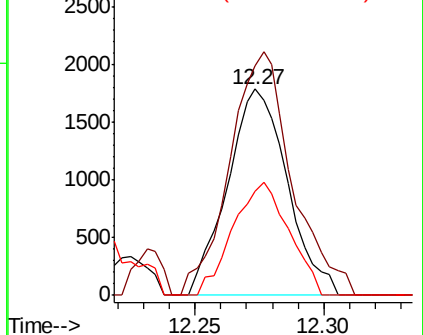
89 50.5 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064191.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN064191.D (-3266) (-)



#78

4-Chlorotoluene

Concen: 1.953 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064275.D

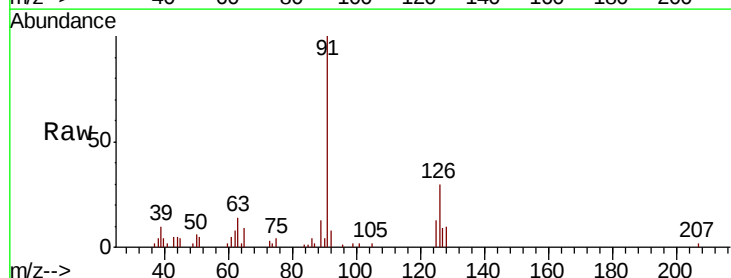
Acq: 23 Oct 2020 1:11

Tgt Ion: 91 Resp: 20767

Ion Ratio Lower Upper

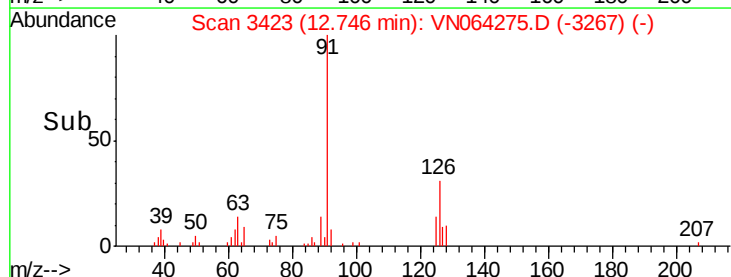
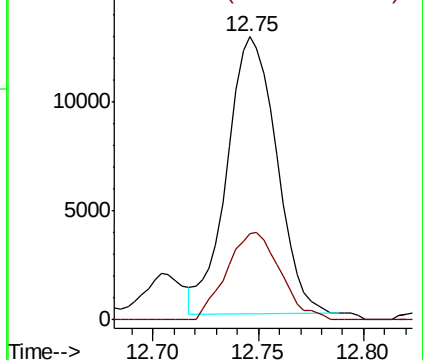
91 100

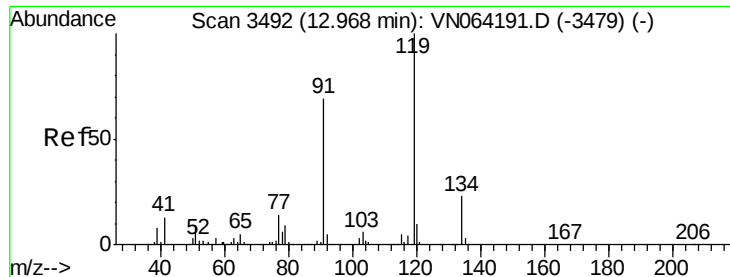
126 33.9 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3414) (-)

Ion 126.00 (125.70 to 126.70): VN064191.D (-3414) (-)





#79

tert-butylbenzene

Concen: 2.068 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

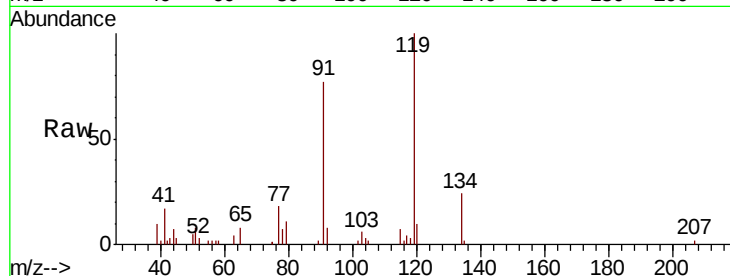
Tot Ion:119 Resp: 20691

Ion Ratio Lower Upper

119 100

91 73.2 0.0 143.2

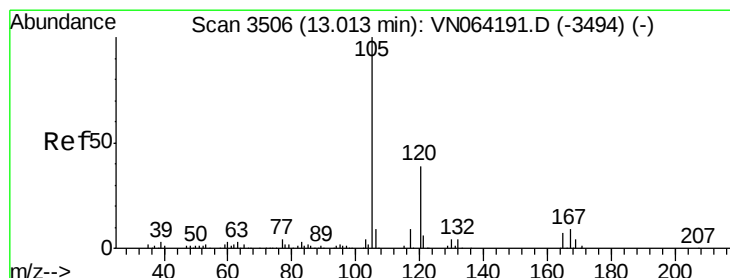
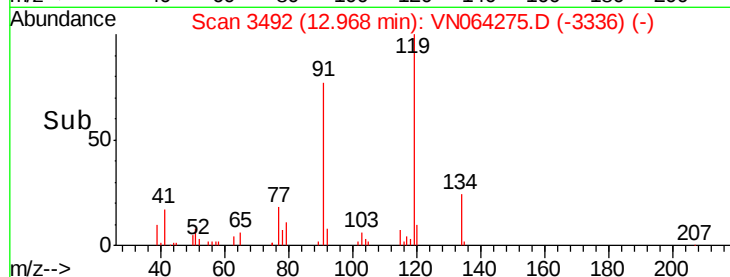
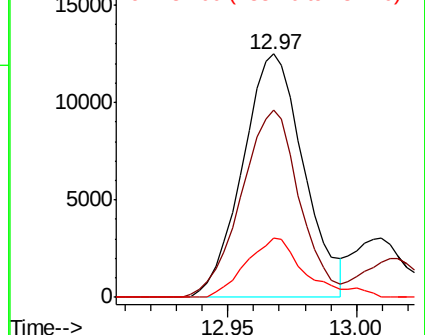
134 22.4 0.0 49.2



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



#80

1,2,4-Trimethylbenzene

Concen: 1.995 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064275.D

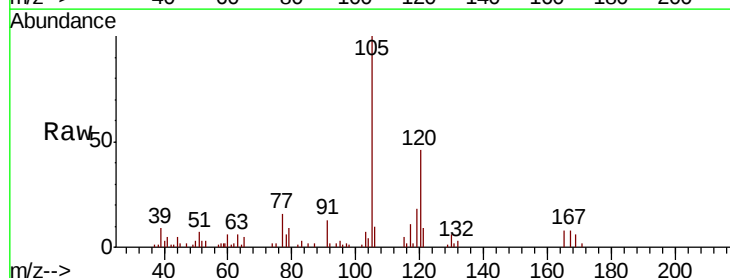
Acq: 23 Oct 2020 1:11

Tgt Ion:105 Resp: 24791

Ion Ratio Lower Upper

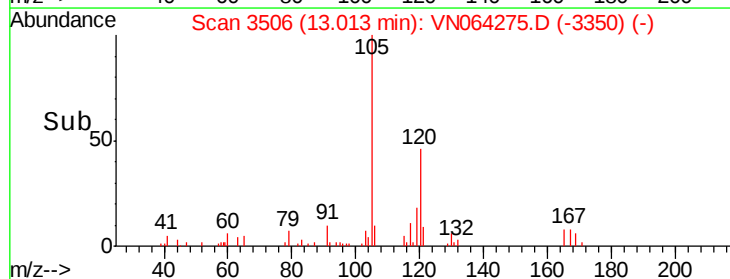
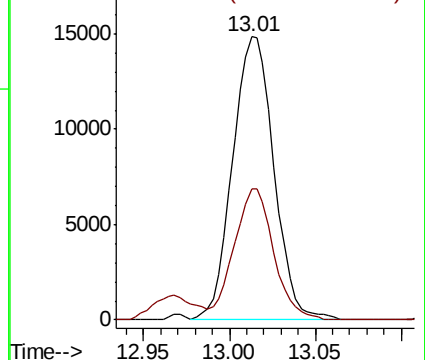
105 100

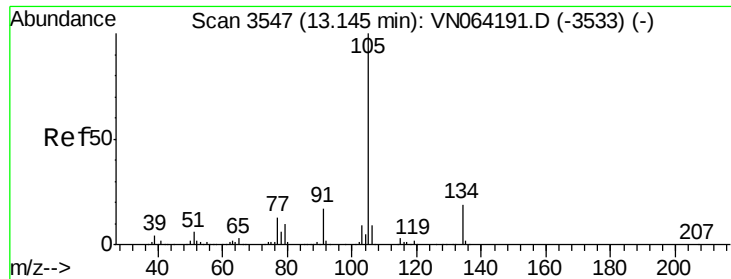
120 44.4 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 2.018 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

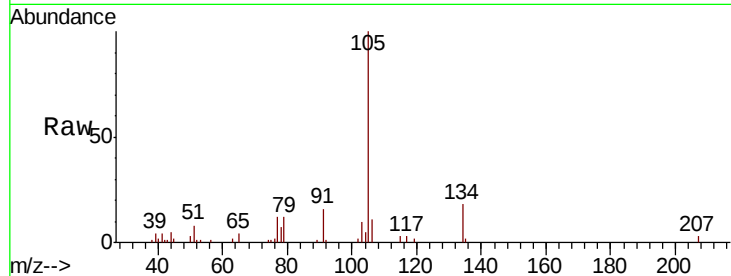
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 26272

Ion Ratio Lower Upper

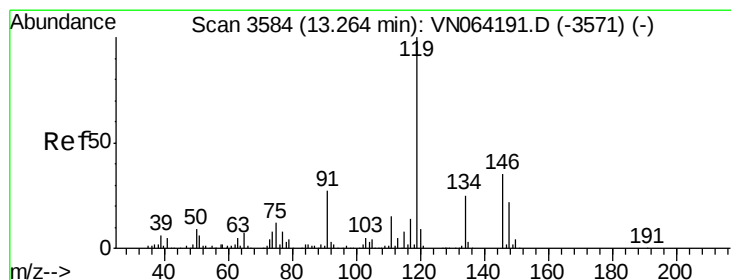
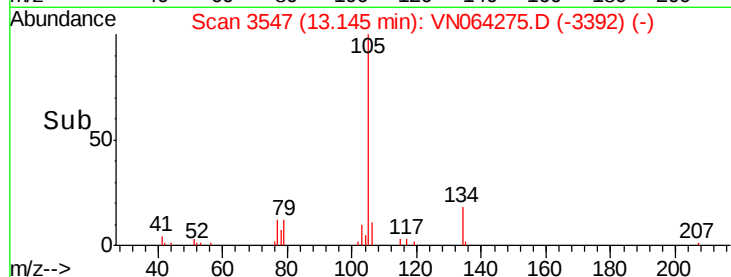
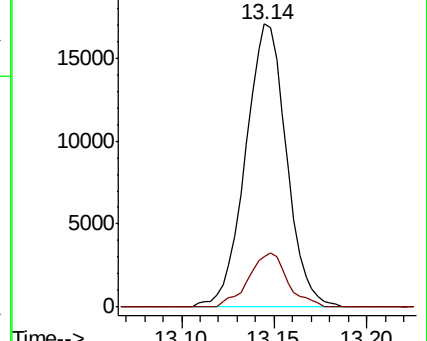
105 100

134 18.1 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 1.894 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

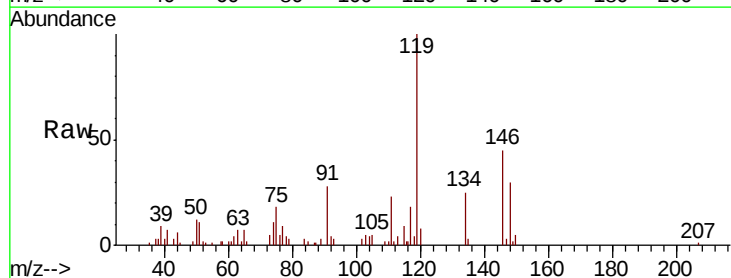
Tgt Ion:119 Resp: 22823

Ion Ratio Lower Upper

119 100

134 25.5 0.0 51.4

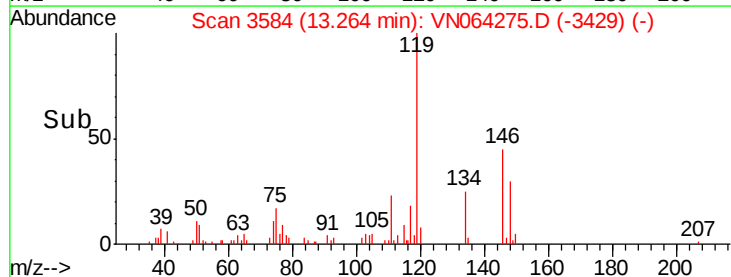
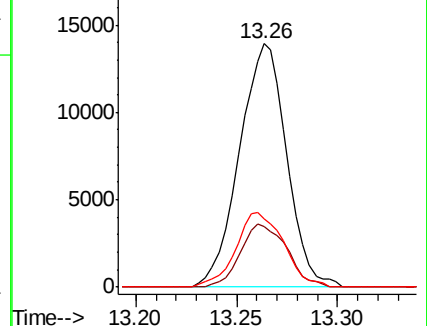
91 31.1 0.0 52.8

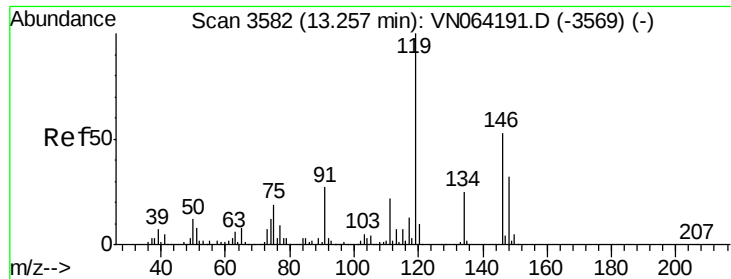


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

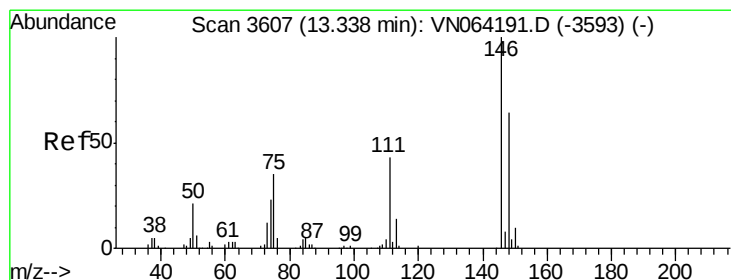
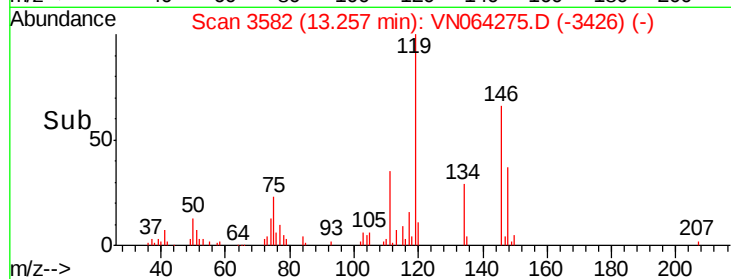
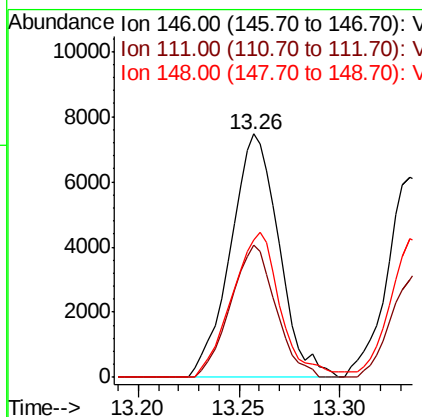
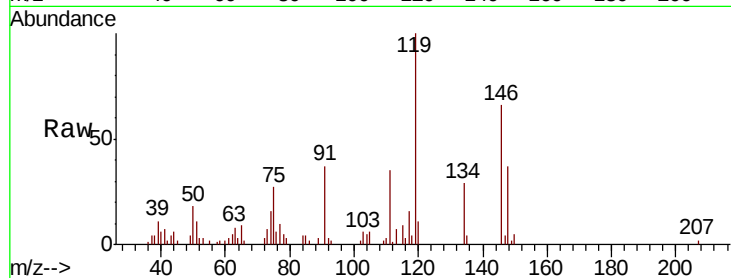




#83
 1,3-Dichlorobenzene
 Concen: 2.012 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

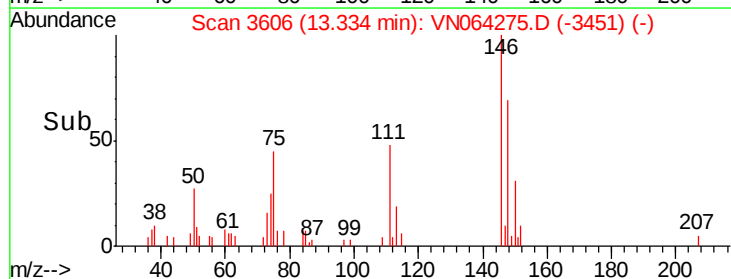
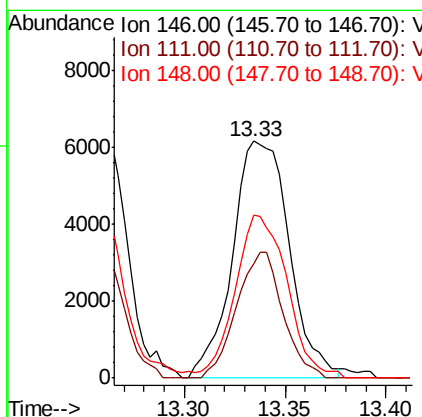
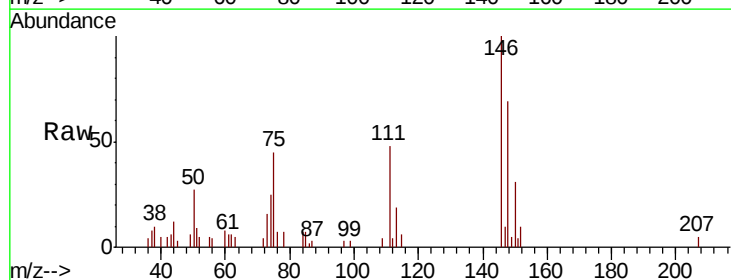
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

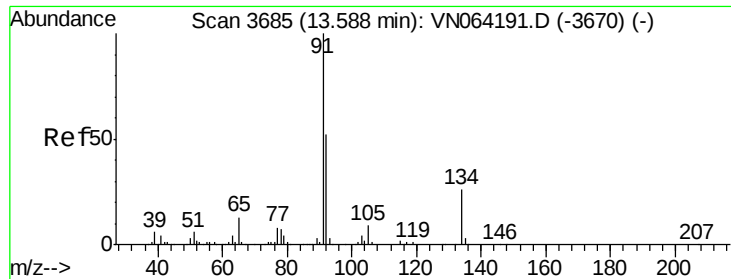
Tot Ion:146 Resp: 12510
 Ion Ratio Lower Upper
 146 100
 111 50.5 21.8 65.4
 148 59.3 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 1.951 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion:146 Resp: 12143
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.9 62.8
 148 62.4 30.9 92.7

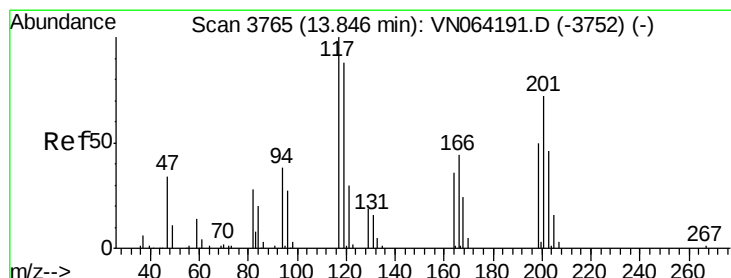
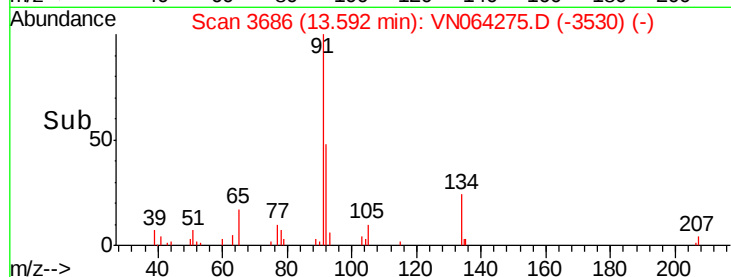
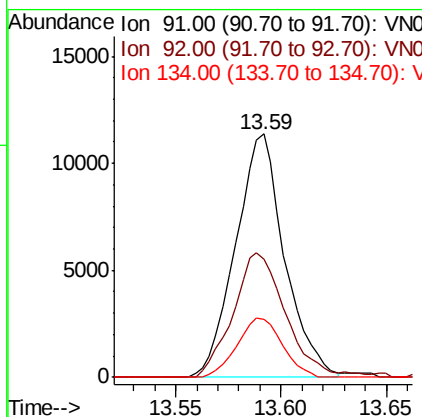
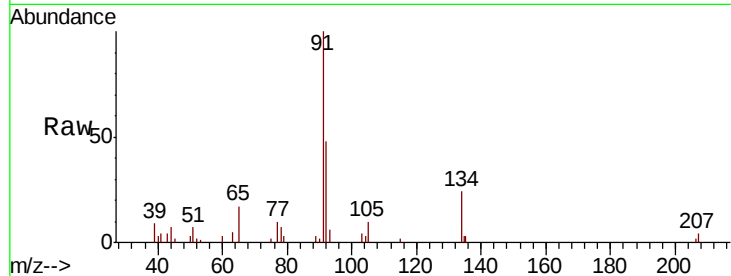




#85
n-Butylbenzene
Concen: 1.717 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

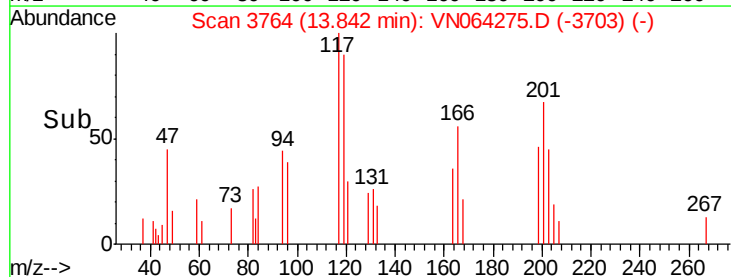
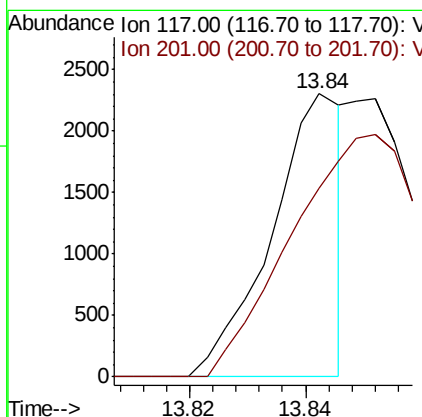
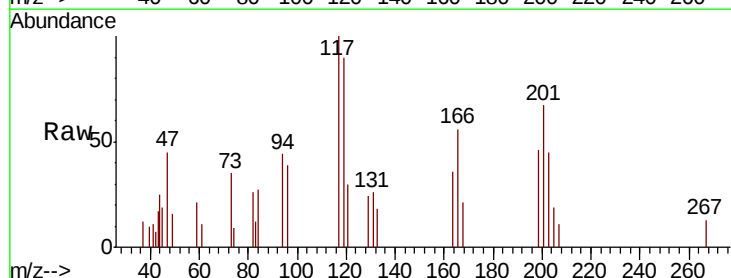
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

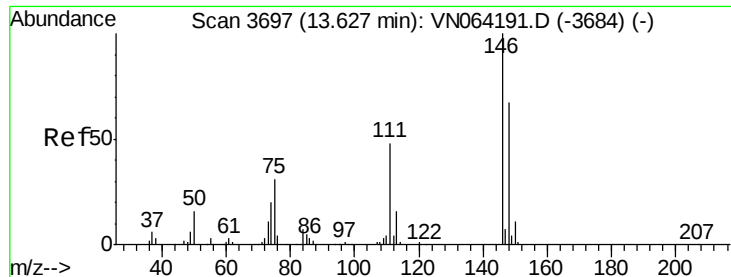
Tot Ion: 91 Resp: 18367
Ion Ratio Lower Upper
91 100
92 53.9 0.0 104.8
134 22.5 0.0 49.8



#86
Hexachloroethane
Concen: 0.941 ug/l
RT: 13.84 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion: 117 Resp: 1953
Ion Ratio Lower Upper
117 100
201 161.8 37.5 112.3#





#87

1,2-Dichlorobenzene

Concen: 2.072 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

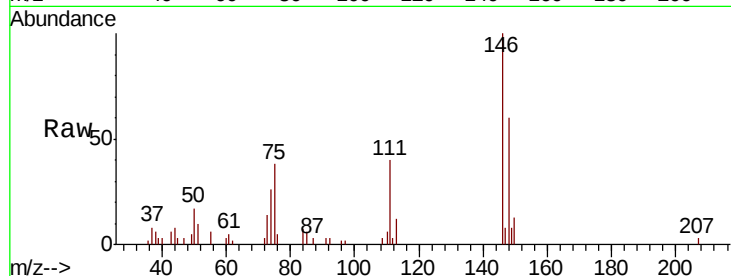
Tot Ion:146 Resp: 12564

Ion Ratio Lower Upper

146 100

111 44.6 22.6 67.8

148 62.6 32.6 97.8

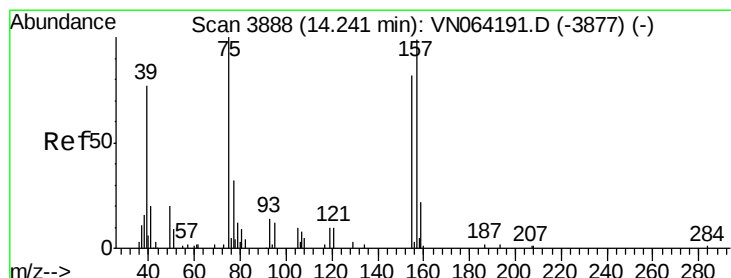
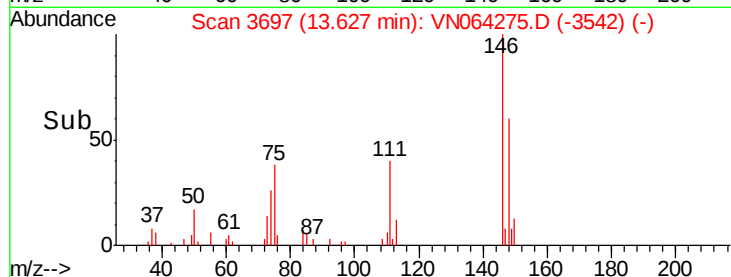
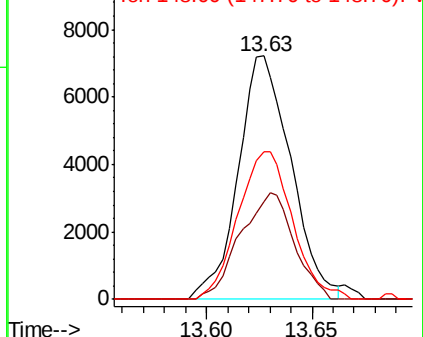


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 1.064 ug/l

RT: 14.24 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN064275.D

Acq: 23 Oct 2020 1:11

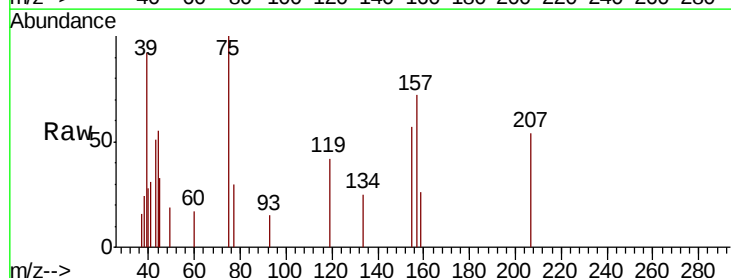
Tgt Ion: 75 Resp: 1062

Ion Ratio Lower Upper

75 100

155 60.9 61.1 91.7#

157 75.4 76.5 114.7#

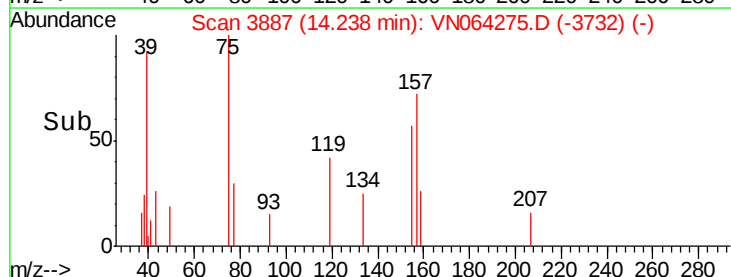
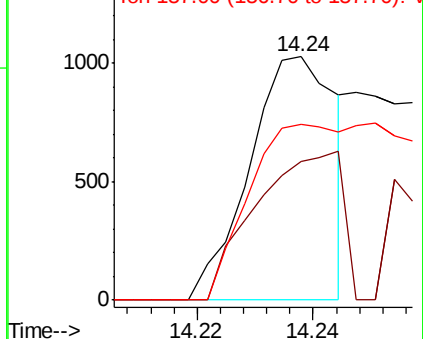


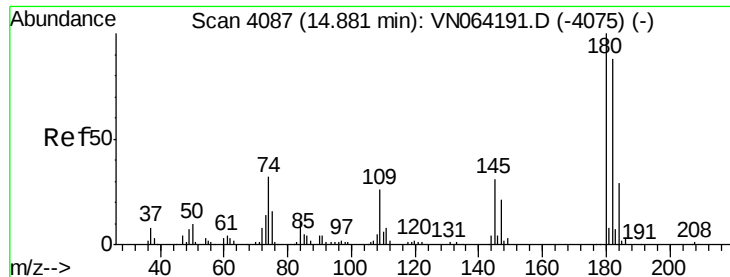
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

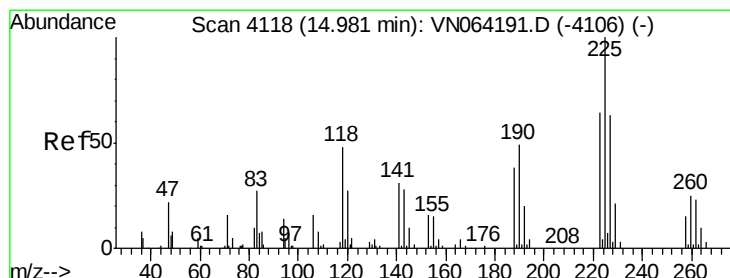
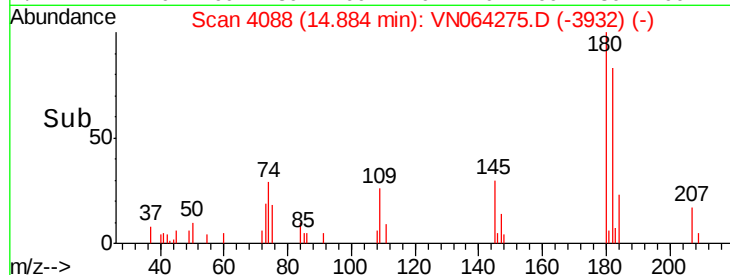
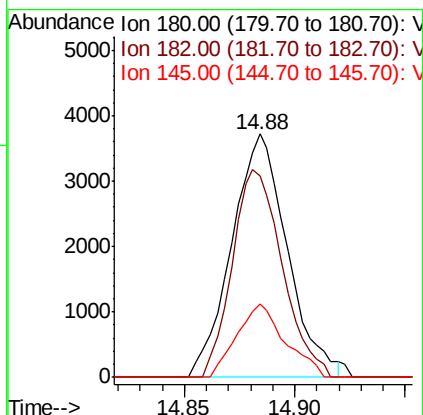
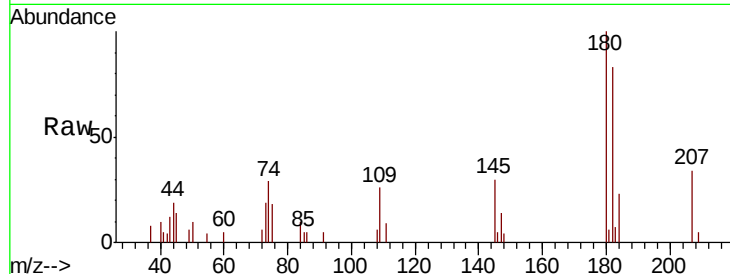




#89
 1,2,4-Trichlorobenzene
 Concen: 1.785 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

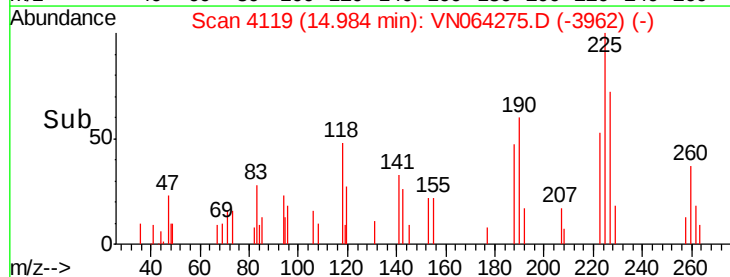
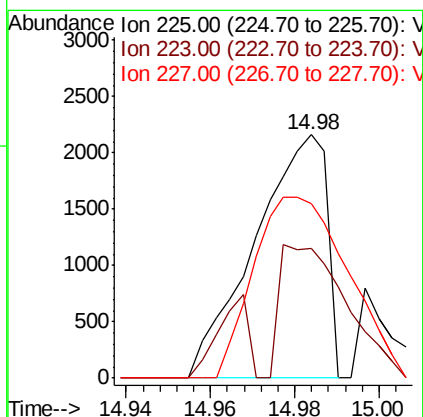
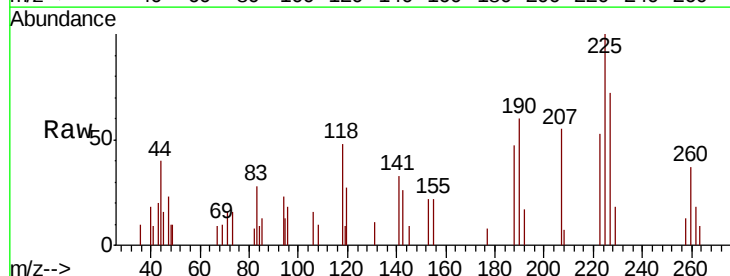
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

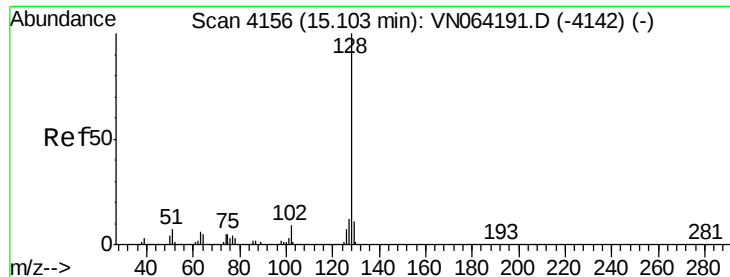
Tot Ion:180 Resp: 6501
 Ion Ratio Lower Upper
 180 100
 182 76.9 73.0 109.4
 145 26.2 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 1.392 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064275.D
 Acq: 23 Oct 2020 1:11

Tgt Ion:225 Resp: 2569
 Ion Ratio Lower Upper
 225 100
 223 50.8 0.0 127.0
 227 97.3 0.0 129.4

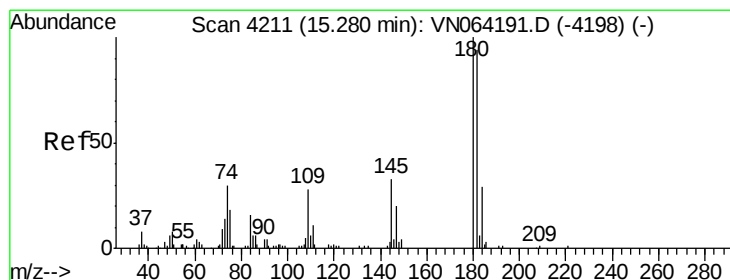
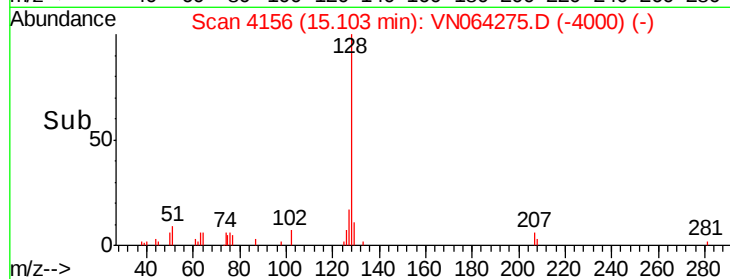
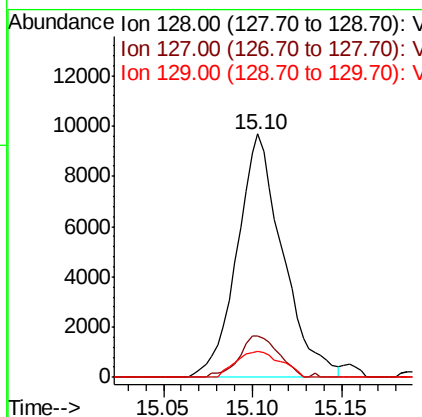
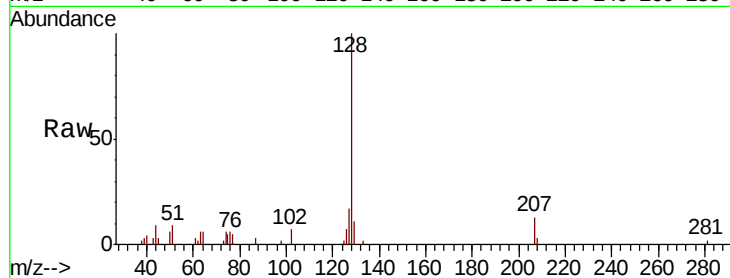




#91
Naphthalene
Concen: 1.564 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:128 Resp: 17266
Ion Ratio Lower Upper
128 100
127 14.6 10.1 15.1
129 10.6 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 1.468 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064275.D
Acq: 23 Oct 2020 1:11

Tgt Ion:180 Resp: 5112
Ion Ratio Lower Upper
180 100
182 100.1 0.0 190.0
145 27.7 0.0 66.6

