

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062514.D
 Acq On : 13 Jul 2020 14:22
 Operator : JC/MD
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 14 01:00:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	46577	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	260128	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	235845	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	119667	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.38	95	110521	27.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.80%
63) Toluene-d8	10.06	98	337804	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	6593	2.398 ug/l	98
3) Chloromethane	2.04	50	9801	2.469 ug/l	92
4) Vinyl Chloride	2.16	62	8702	2.508 ug/l	94
5) Bromomethane	2.54	94	4827	2.804 ug/l	95
6) Chloroethane	2.67	64	4332	2.536 ug/l	93
7) Trichlorofluoromethane	2.98	101	10696	2.630 ug/l	97
8) Diethyl Ether	3.37	74	5205	2.662 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	6967	2.650 ug/l	92
10) 1,1-Dichloroethene	3.69	96	7301	2.722 ug/l	83
11) Methyl Iodide	3.91	142	5898	1.796 ug/l	98
12) Methyl Acetate	4.28	43	5238	1.456 ug/l	98
13) Acrolein	3.58	56	4643	8.639 ug/l #	55
14) Acrylonitrile	4.94	53	19868	11.876 ug/l	88
15) Acetone	3.78	58	5874	11.438 ug/l	90
16) Carbon Disulfide	4.01	76	24114	2.759 ug/l	99
17) Allyl chloride	4.27	41	5834	1.023 ug/l	96
18) Methylene Chloride	4.49	84	4614	1.398 ug/l	91
19) trans-1,2-Dichloroethene	4.98	96	3886	1.309 ug/l #	77
20) Diisopropyl ether	5.90	45	30127	2.569 ug/l	94
22) cis-1,2-Dichloroethene	6.78	96	5670	1.694 ug/l #	36
23) tert-Butyl Alcohol	4.73	59	4203	7.507 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	25141	2.542 ug/l #	84
25) Chloroform	7.33	83	14737	2.592 ug/l	100
26) Cyclohexane	7.61	56	13799	2.525 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	10951	2.482 ug/l	96
30) 2-Butanone	6.79	43	28798	12.306 ug/l #	96
31) 2,2-Dichloropropane	6.78	77	14029	2.820 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	12759	2.690 ug/l	98
33) Carbon Tetrachloride	7.73	117	10586	2.575 ug/l	100
34) Benzene	8.00	78	34483	2.631 ug/l #	29
35) Methacrylonitrile	7.13	41	6423	3.125 ug/l	87
36) 1,2-Dichloroethane	8.09	62	13218	2.805 ug/l	97
37) Trichloroethene	8.80	130	8086	2.746 ug/l	93
38) Methylcyclohexane	9.04	83	12705	2.567 ug/l	99
39) 1,2-Dichloropropane	9.09	63	9692	2.595 ug/l	94
40) Dibromomethane	9.18	93	5840	2.713 ug/l	99
41) Bromodichloromethane	9.37	83	11642	2.550 ug/l	93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.85	43	119030	12.241	ug/l	99
43) Ethyl Acetate	6.89	43	10693	2.273	ug/l #	81
44) Isopropyl Acetate	8.13	43	19316	2.447	ug/l	97
45) 1,4-Dioxane	9.17	88	2775	51.393	ug/l	97
46) Methyl methacrylate	9.17	41	9176	2.450	ug/l	88
47) n-amyl Acetate	12.05	43	13254	1.992	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	12878	2.419	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	14408	2.507	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	8025	2.660	ug/l	93
51) Ethyl methacrylate	10.40	69	11185	2.202	ug/l	96
52) 1,3-Dichloropropane	10.68	76	14096	2.546	ug/l	99
53) Dibromochloromethane	10.87	129	8044	2.447	ug/l	97
54) 1,2-Dibromoethane	10.98	107	7535	2.440	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	16604	10.235	ug/l	99
56) Bromoform	12.10	173	5501	2.450	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	56343	12.262	ug/l	98
59) 2-Hexanone	10.72	43	38843	11.526	ug/l	98
61) Tetrachloroethene	10.60	164	6461	2.675	ug/l	92
62) Toluene	10.12	91	35457	2.650	ug/l	98
64) Chlorobenzene	11.41	112	20759	2.640	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	7554	2.596	ug/l	97
66) Ethyl Benzene	11.48	91	36530	2.466	ug/l	99
67) m/p-Xylenes	11.60	106	25299	4.704	ug/l	98
68) o-Xylene	11.92	106	12381	2.399	ug/l	94
69) Styrene	11.94	104	18600	2.123	ug/l	96
70) Isopropylbenzene	12.22	105	31350	2.263	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	11818	2.639	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	14906	3.422	ug/l	61
73) Bromobenzene	12.50	156	8172	2.547	ug/l	97
74) n-propylbenzene	12.57	91	37734	2.291	ug/l	99
75) 2-Chlorotoluene	12.65	91	24161	2.437	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	27103	2.296	ug/l	96
77) t-1,4-Dichloro-2-butene	12.28	75	3494	2.145	ug/l	95
78) 4-Chlorotoluene	12.75	91	23594	2.332	ug/l	95
79) tert-butylbenzene	12.97	119	23930	2.448	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	24571	2.116	ug/l	94
81) sec-Butylbenzene	13.15	105	29594	2.254	ug/l	97
82) p-Isopropyltoluene	13.26	119	23451	2.024	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	11815	2.120	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	12204	2.220	ug/l	94
85) n-Butylbenzene	13.59	91	18690	1.881	ug/l	98
86) Hexachloroethane	13.85	117	5248	2.348	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	11814	2.205	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1783	2.109	ug/l	92
89) 1,2,4-Trichlorobenzene	14.89	180	4008	1.503	ug/l	97
90) Hexachlorobutadiene	14.98	225	3990	2.697	ug/l	99
91) Naphthalene	15.11	128	10801	1.493	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	4360	1.622	ug/l	93

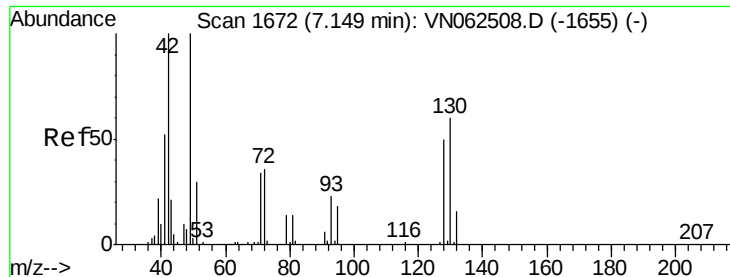
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

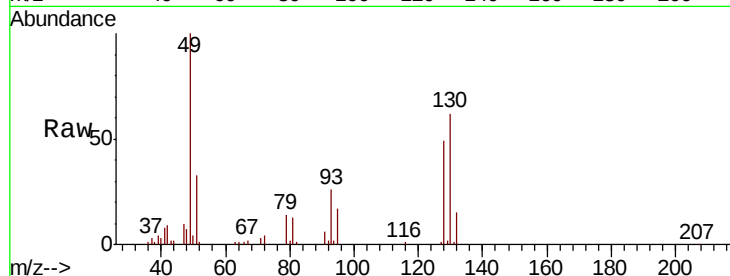
Tot Ion:128 Resp: 46577

Ion Ratio Lower Upper

128 100

49 206.9 0.0 525.0

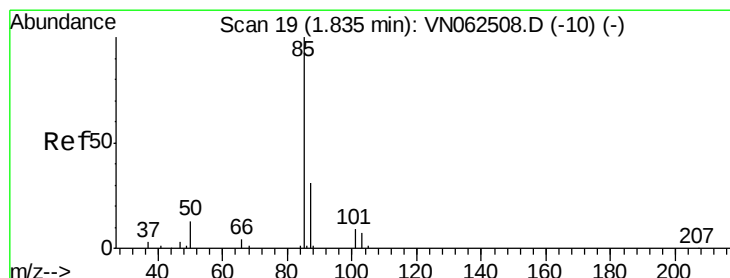
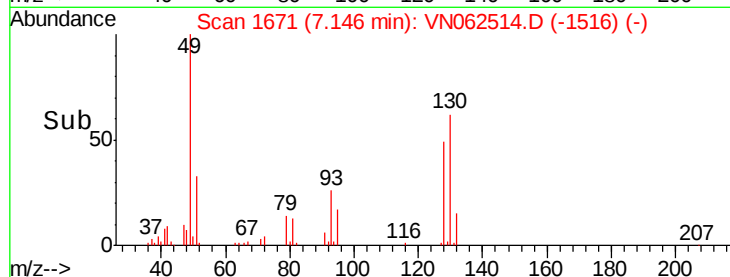
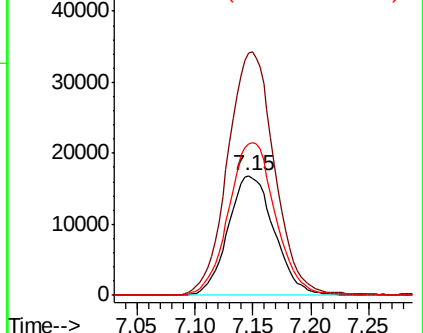
130 129.6 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.398 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062514.D

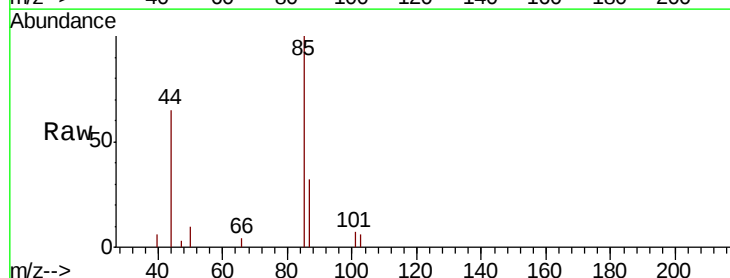
Acq: 13 Jul 2020 14:22

Tgt Ion: 85 Resp: 6593

Ion Ratio Lower Upper

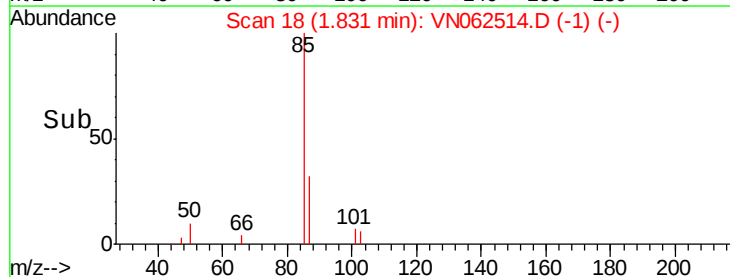
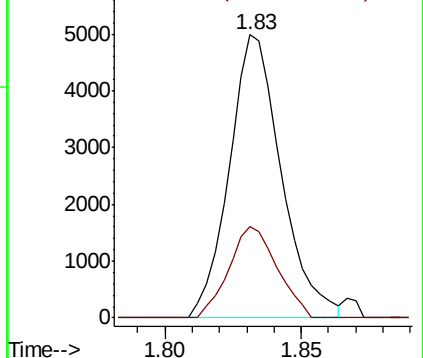
85 100

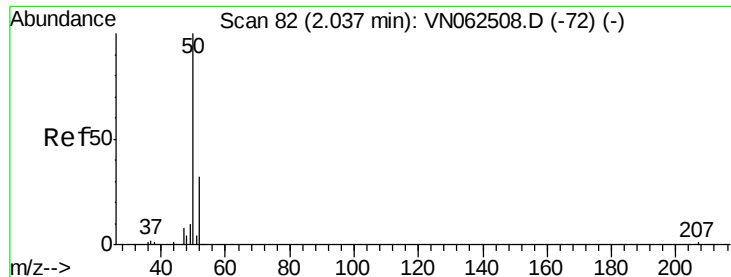
87 32.4 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 2.469 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

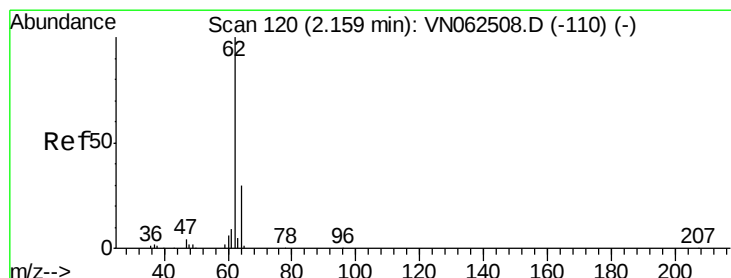
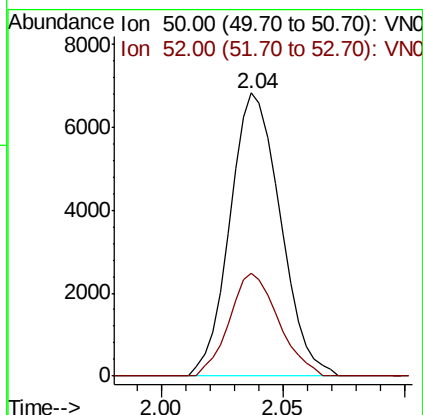
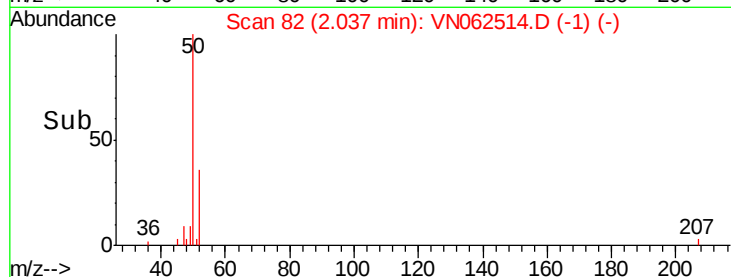
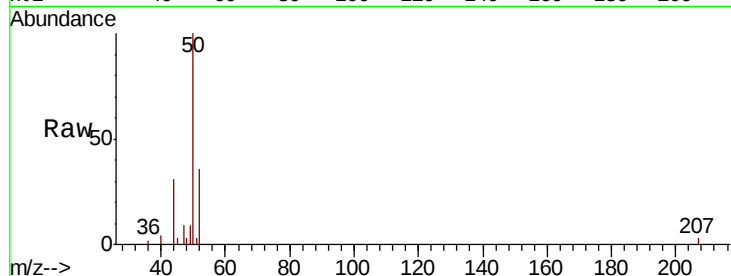
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 9801

Ion Ratio Lower Upper

50 100

52 36.5 25.4 38.2



#4

Vinyl Chloride

Concen: 2.508 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062514.D

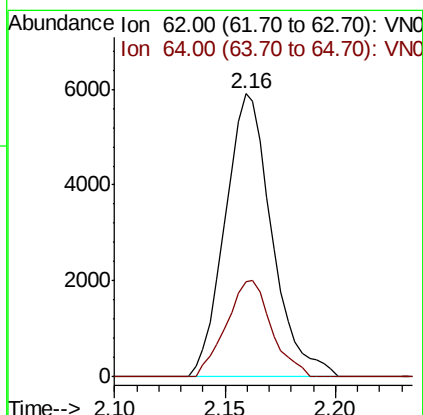
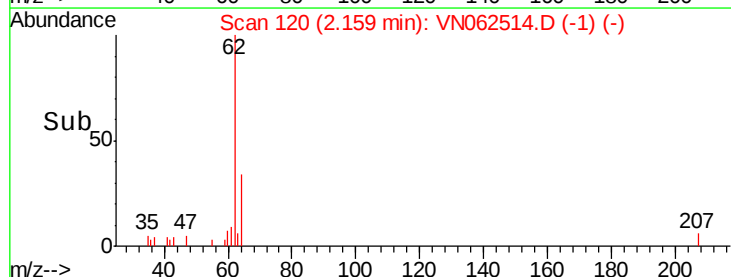
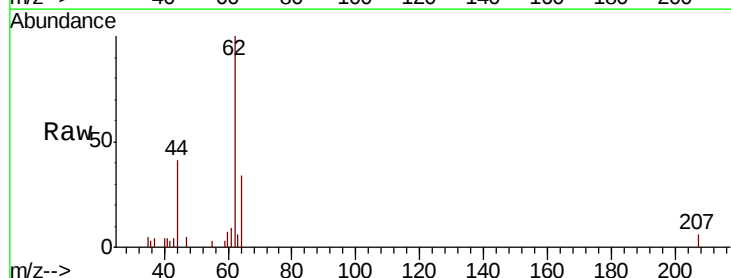
Acq: 13 Jul 2020 14:22

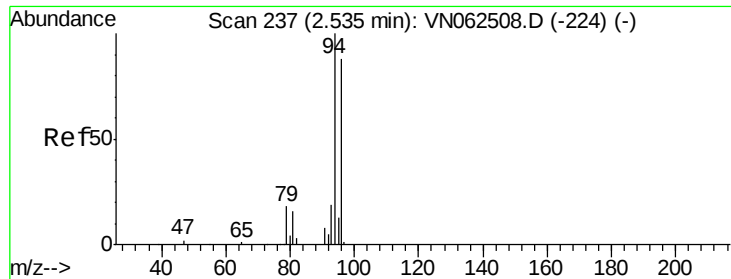
Tgt Ion: 62 Resp: 8702

Ion Ratio Lower Upper

62 100

64 33.8 24.3 36.5

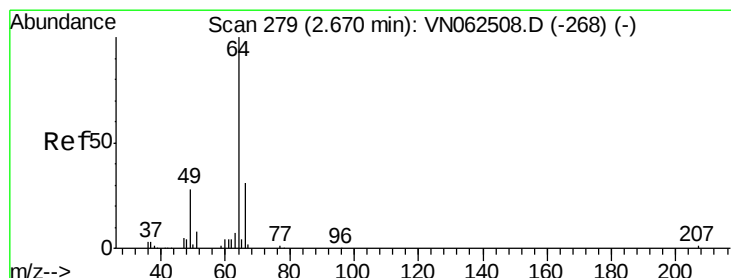
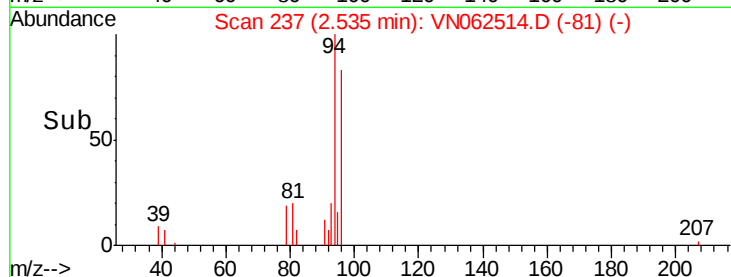
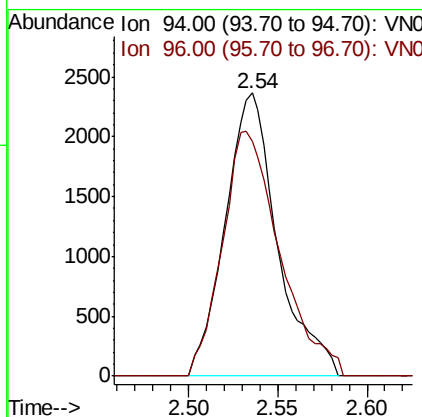
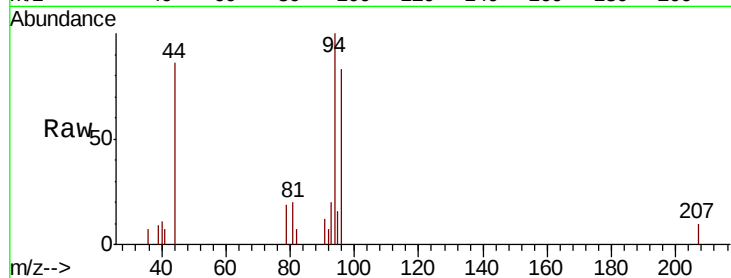




#5
Bromomethane
Concen: 2.804 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

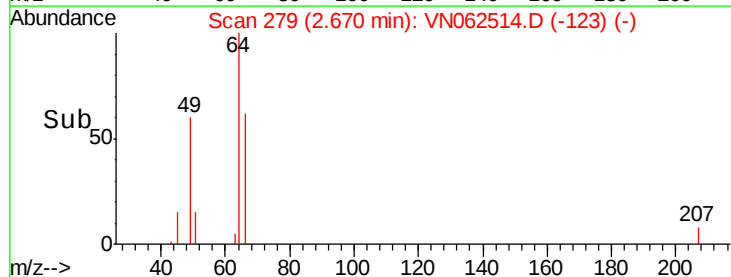
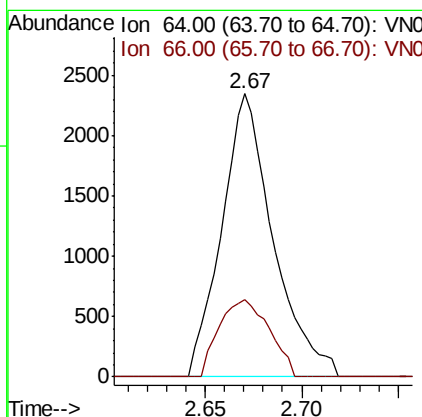
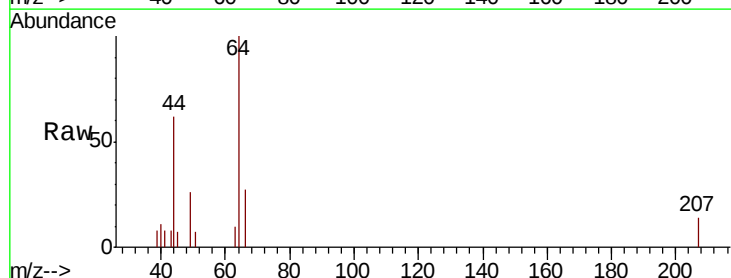
Instrument :
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LOD-MDL-WATER-01-QT3-2020

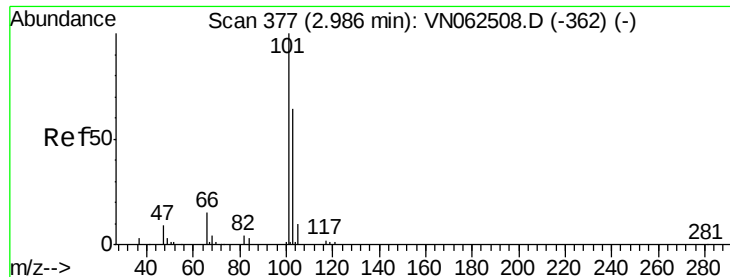
Tot Ion: 94 Resp: 4827
Ion Ratio Lower Upper
94 100
96 82.8 70.2 105.4



#6
Chloroethane
Concen: 2.536 ug/l
RT: 2.67 min Scan# 279
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 64 Resp: 4332
Ion Ratio Lower Upper
64 100
66 27.1 24.9 37.3



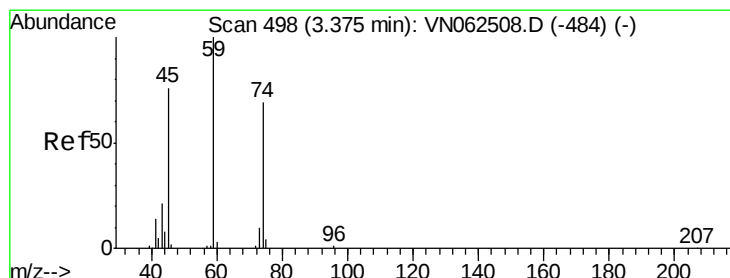
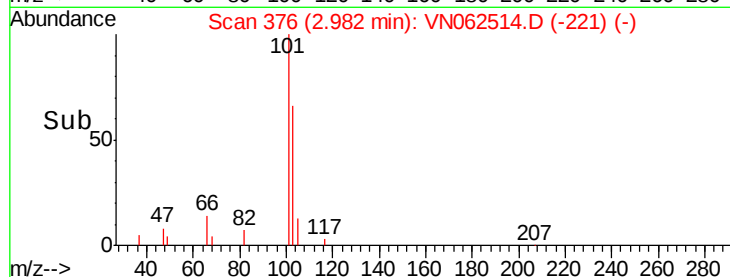
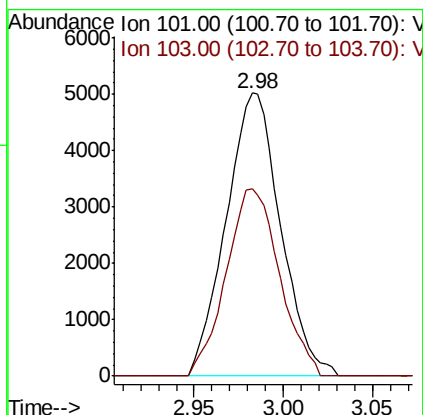
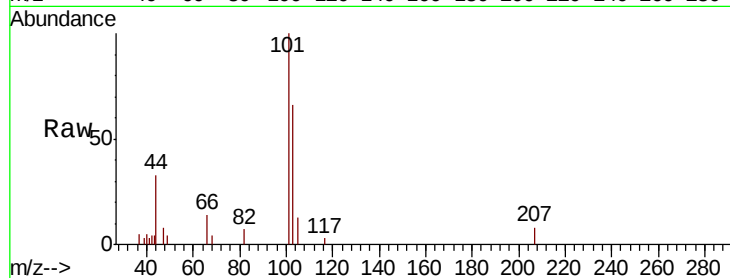


#7

Trichlorofluoromethane
 Concen: 2.630 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Instrument :
 MSVOA_N
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 LOD-MDL-WATER-01-QT3-2020

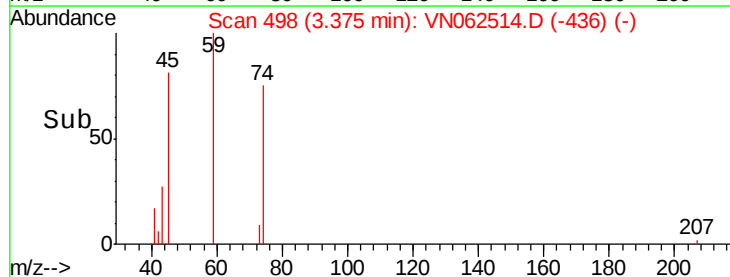
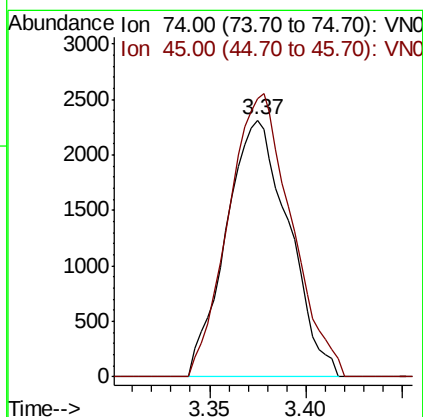
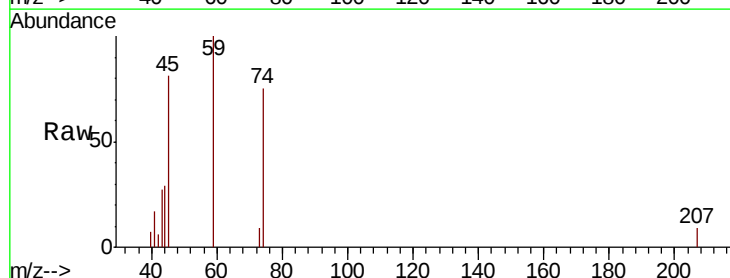
Tot Ion:101 Resp: 10696
 Ion Ratio Lower Upper
 101 100
 103 66.2 50.9 76.3

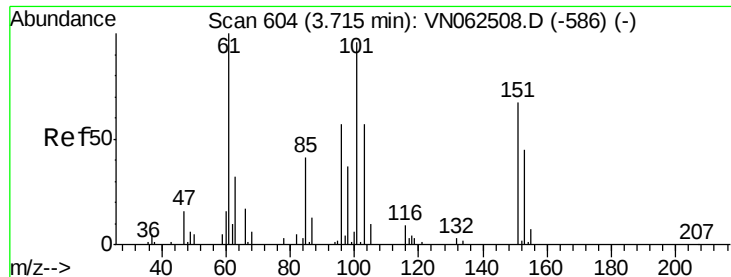


#8

Diethyl Ether
 Concen: 2.662 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 74 Resp: 5205
 Ion Ratio Lower Upper
 74 100
 45 110.6 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.650 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

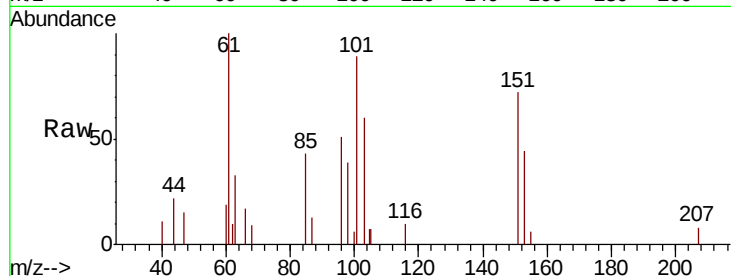
Tot Ion:101 Resp: 6967

Ion Ratio Lower Upper

101 100

85 33.5 0.0 90.4

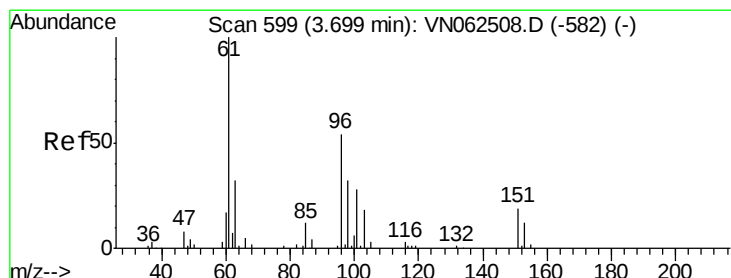
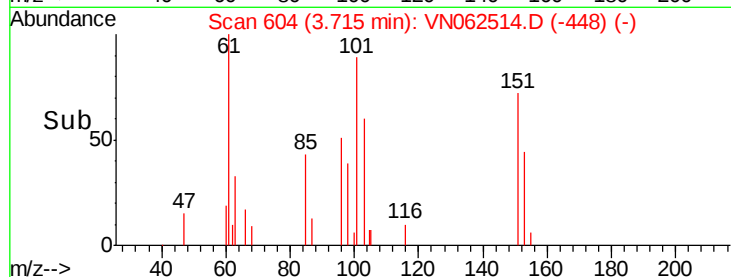
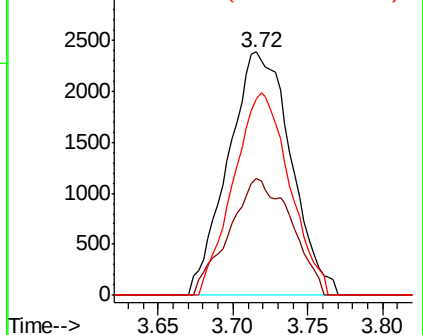
151 74.4 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.722 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

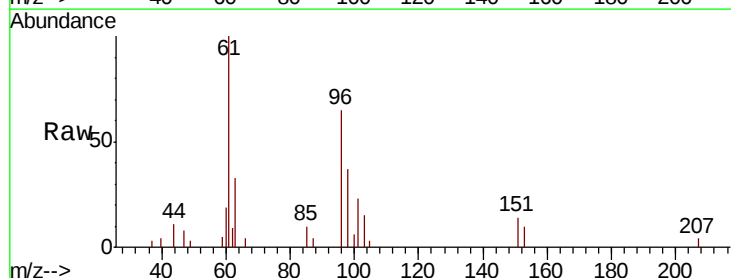
Tgt Ion: 96 Resp: 7301

Ion Ratio Lower Upper

96 100

61 154.4 147.8 221.8

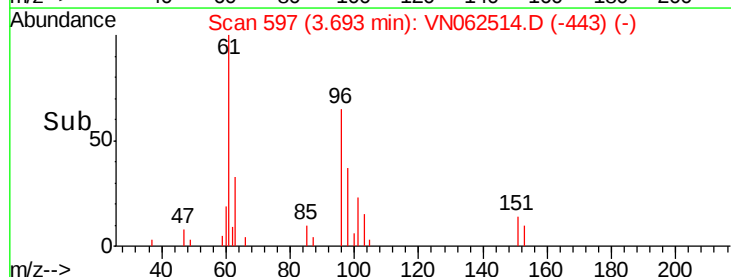
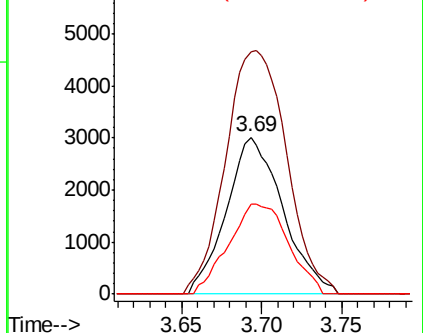
98 57.8 47.8 71.8

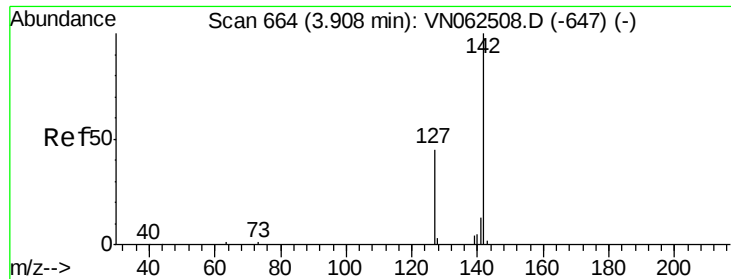


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

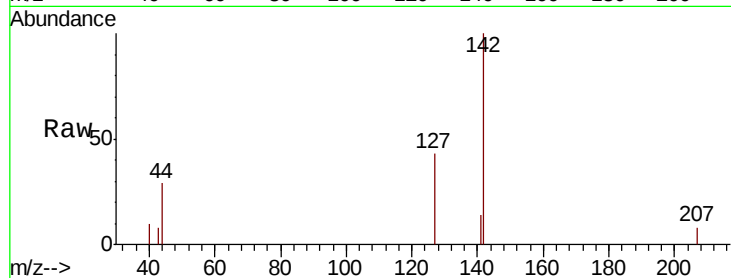




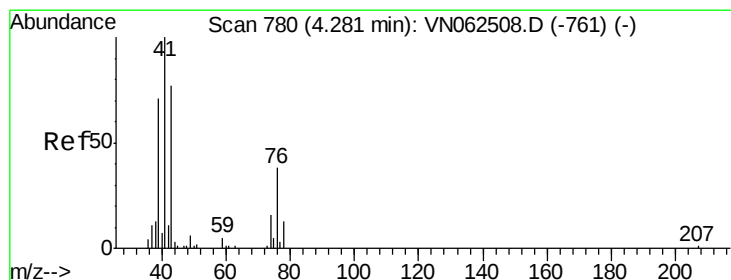
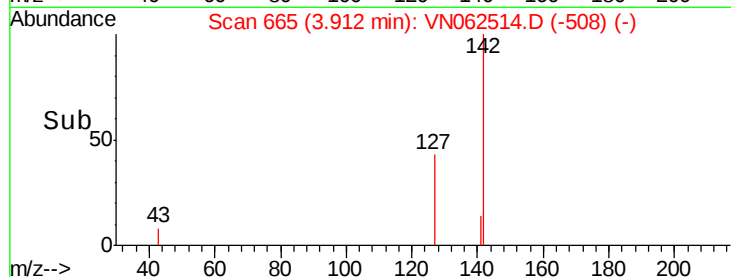
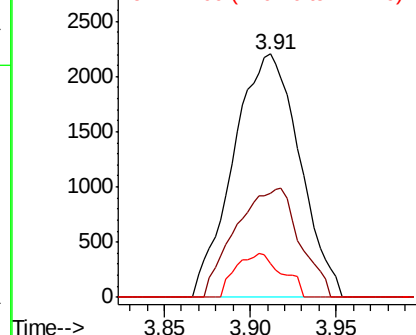
#11
Methvl Iodide
Concen: 1.796 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:142 Resp: 5898
Ion Ratio Lower Upper
142 100
127 43.0 22.1 66.5
141 14.0 6.5 19.4

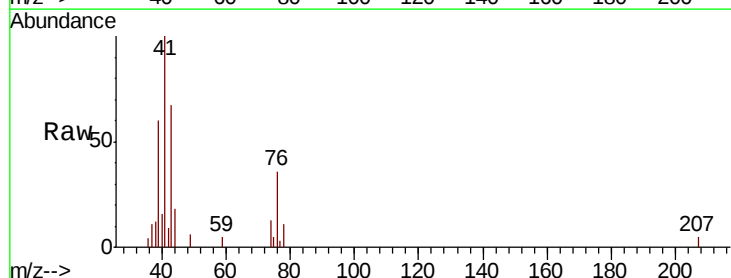


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

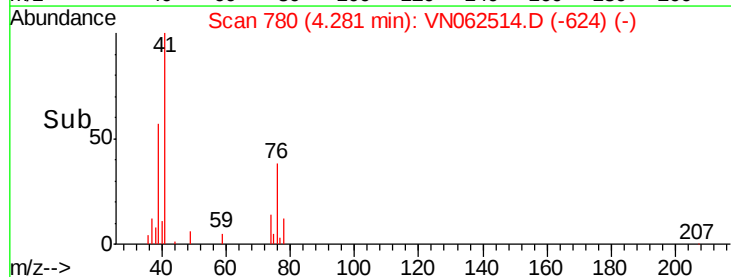
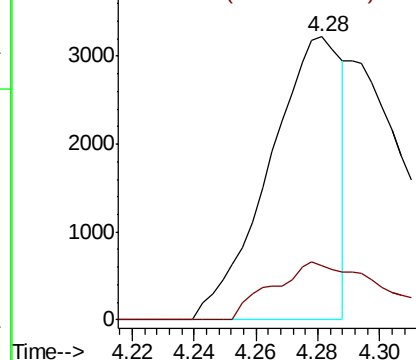


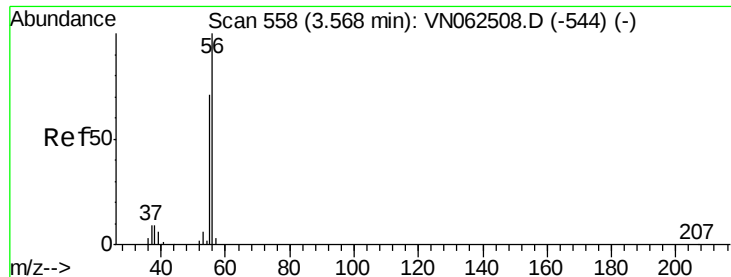
#12
Methyl Acetate
Concen: 1.456 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 43 Resp: 5238
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1



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





#13

Acrolein

Concen: 8.639 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

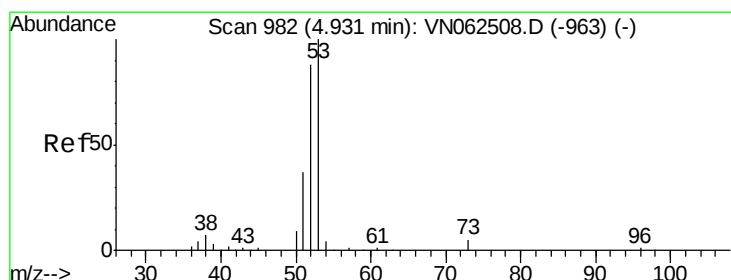
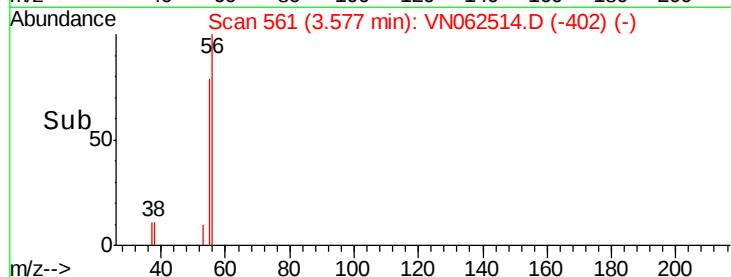
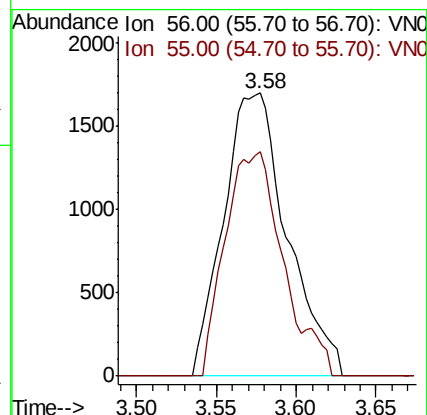
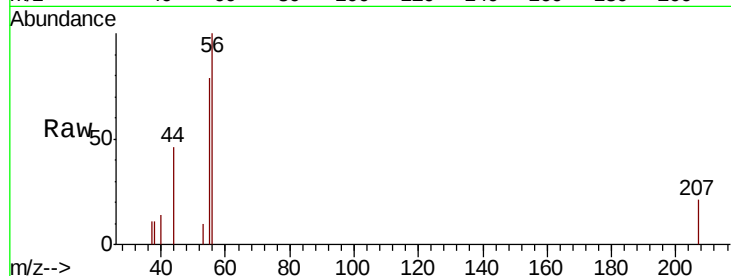
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 4643

Ion Ratio Lower Upper

56 100

55 32.8 56.0 84.0#



#14

Acrylonitrile

Concen: 11.876 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

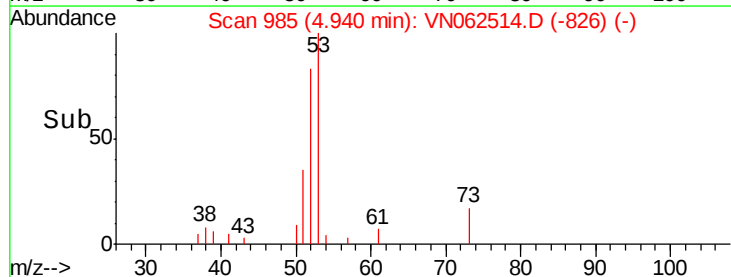
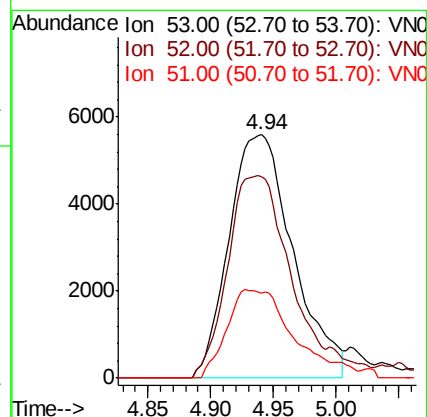
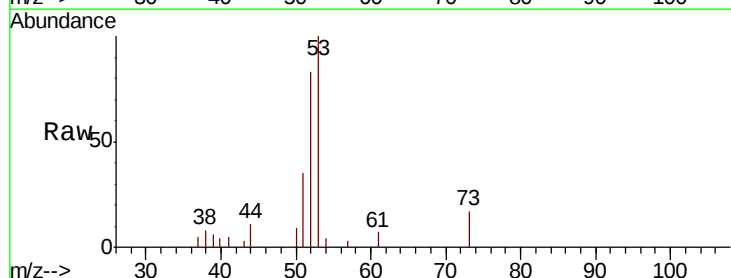
Tgt Ion: 53 Resp: 19868

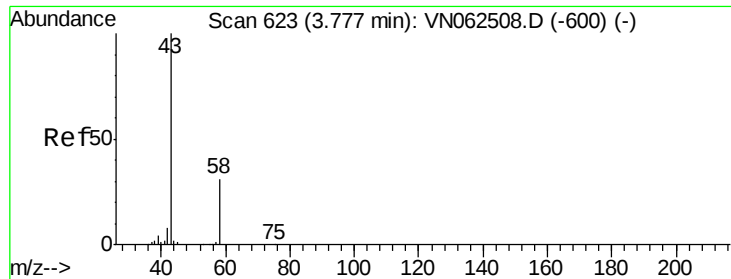
Ion Ratio Lower Upper

53 100

52 79.3 41.8 125.4

51 19.4 18.5 55.5





#15

Acetone

Concen: 11.438 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

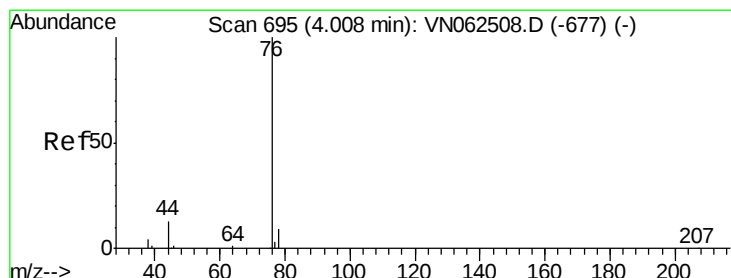
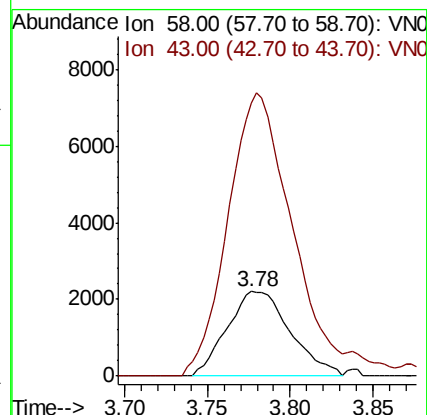
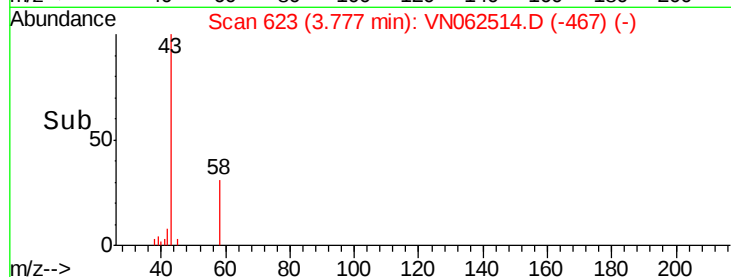
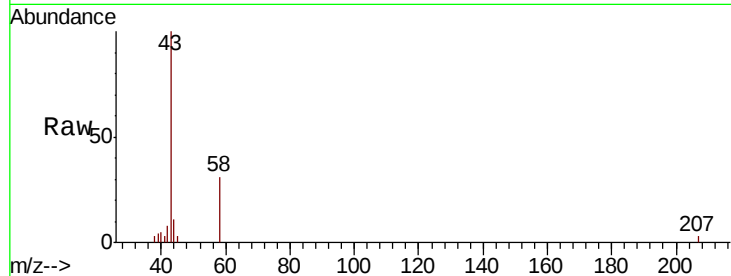
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 58 Resp: 5874

Ion Ratio Lower Upper

58 100

43 305.0 261.1 391.7



#16

Carbon Disulfide

Concen: 2.759 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062514.D

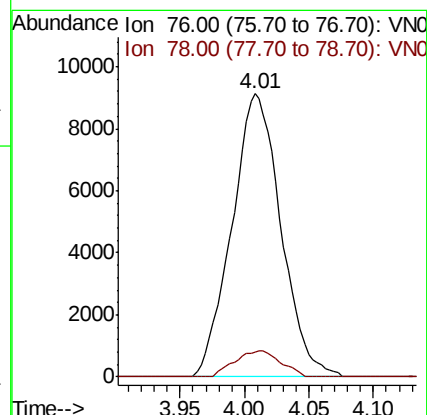
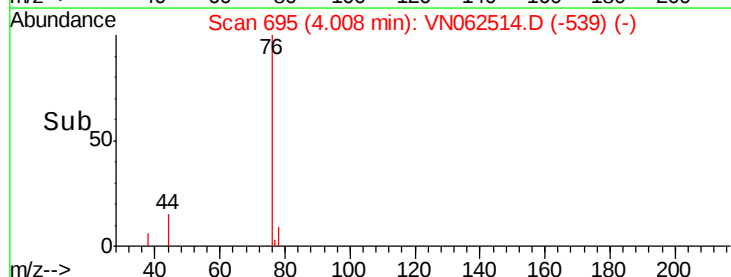
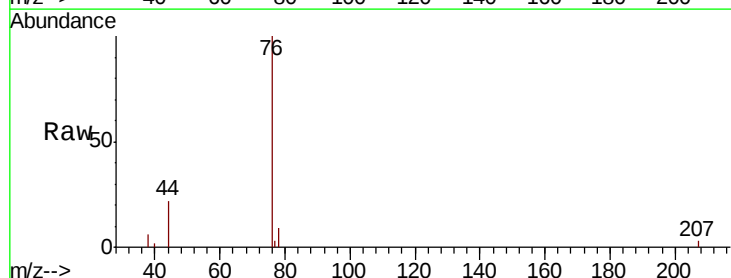
Acq: 13 Jul 2020 14:22

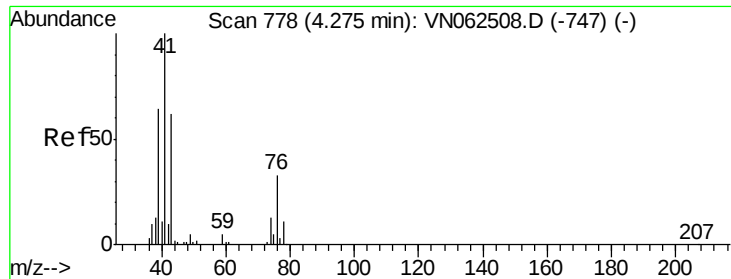
Tgt Ion: 76 Resp: 24114

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

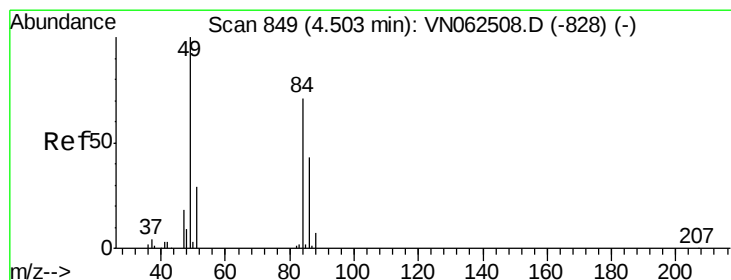
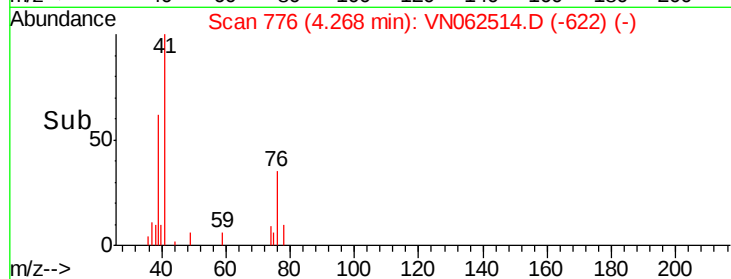
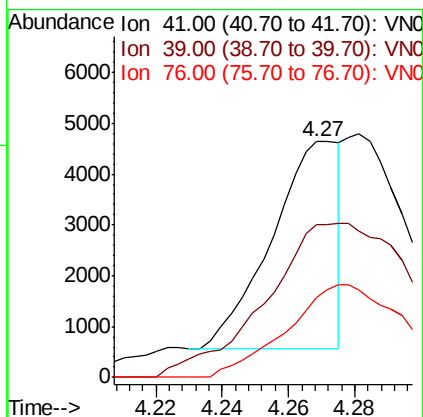
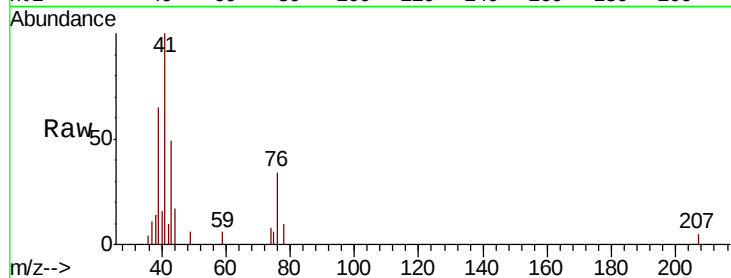




#17
Allvl chloride
Concen: 1.023 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

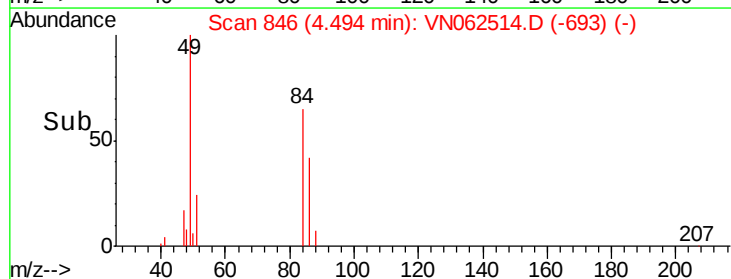
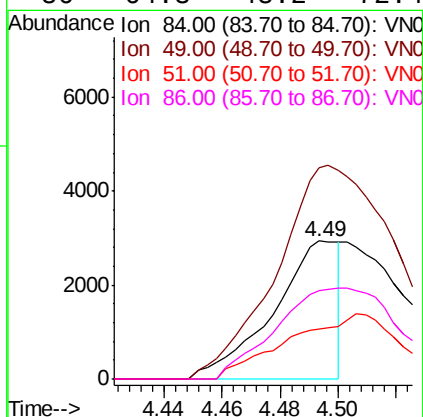
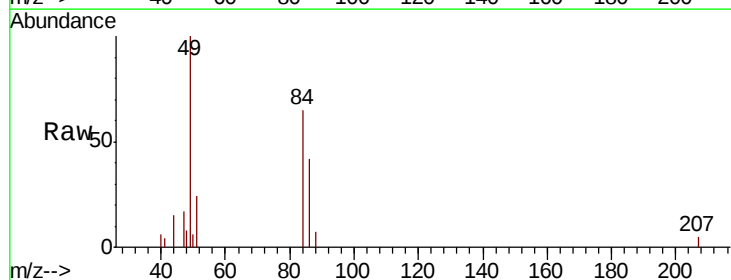
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

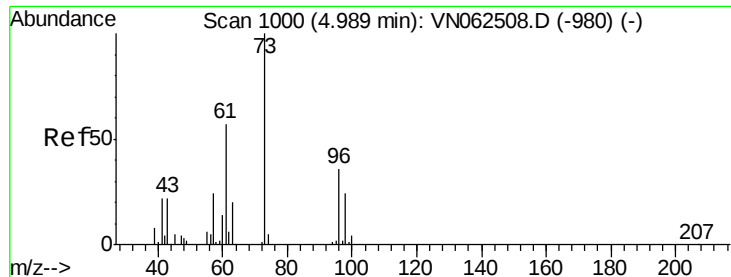
Tot Ion:	41	Resp:	5834
Ion	Ratio	Lower	Upper
41	100		
39	64.6	31.9	95.5
76	38.3	16.6	49.8



#18
Methylene Chloride
Concen: 1.398 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:	84	Resp:	4614
Ion	Ratio	Lower	Upper
84	100		
49	153.0	112.1	168.1
51	36.3	33.0	49.4
86	64.3	48.2	72.4

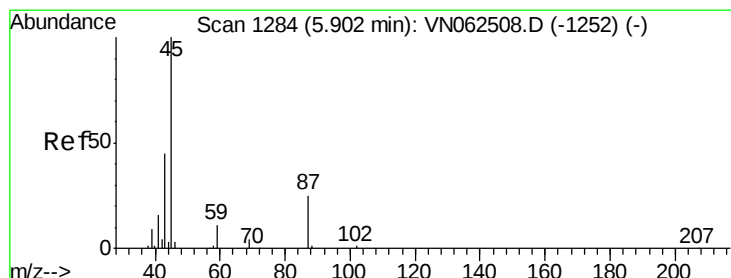
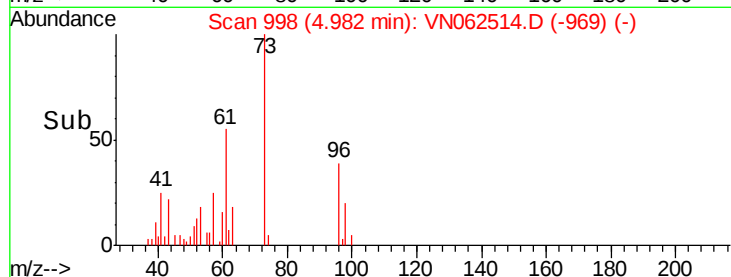
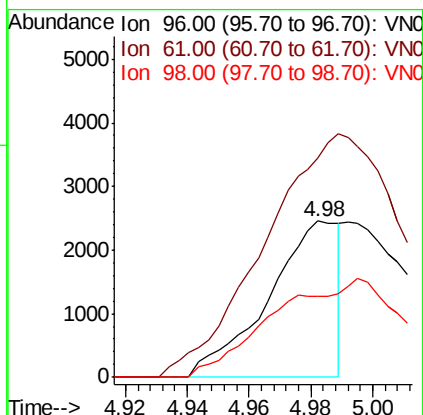
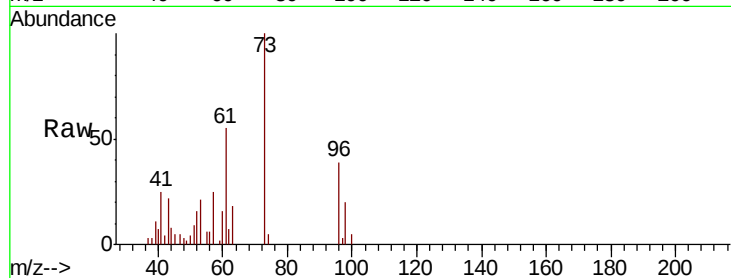




#19
trans-1,2-Dichloroethene
Concen: 1.309 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

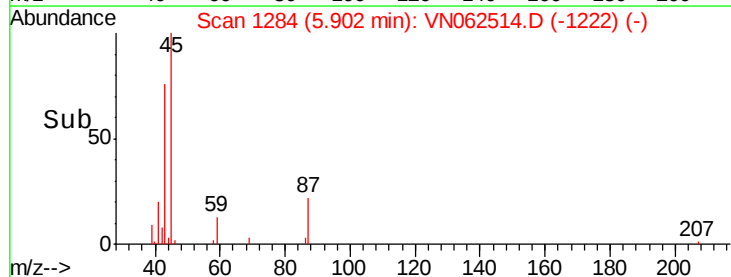
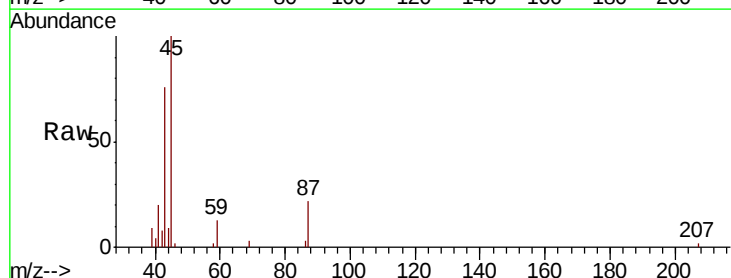
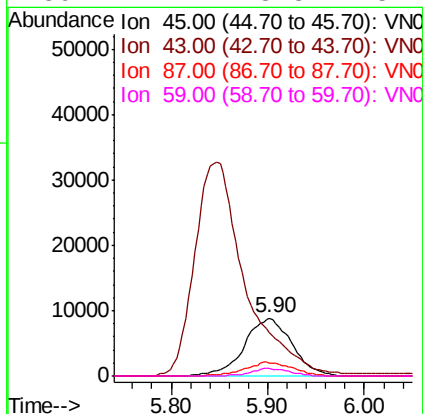
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

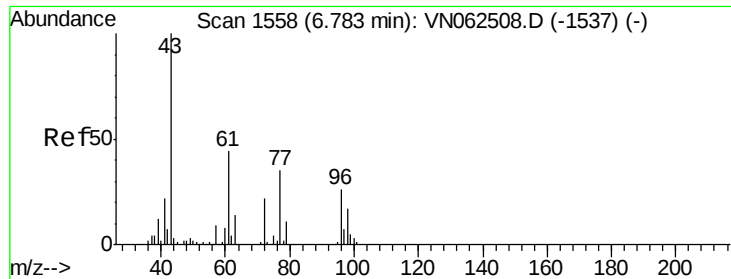
Tot Ion: 96 Resp: 3886
Ion Ratio Lower Upper
96 100
61 124.9 125.7 188.5#
98 51.5 54.1 81.1#



#20
Diisopropyl ether
Concen: 2.569 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 45 Resp: 30127
Ion Ratio Lower Upper
45 100
43 69.6 51.3 76.9
87 22.3 19.8 29.6
59 12.7 8.8 13.2

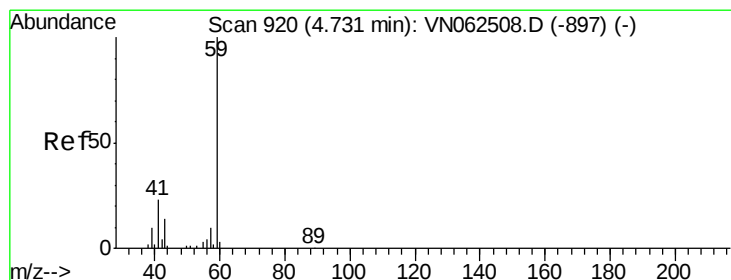
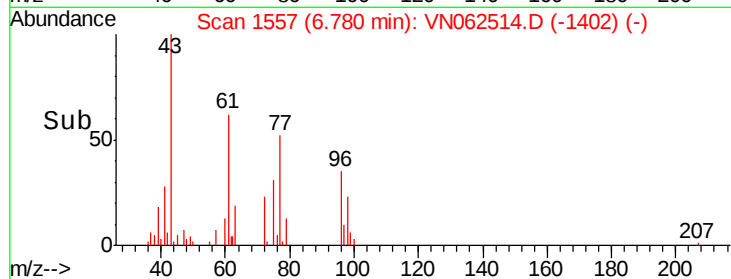
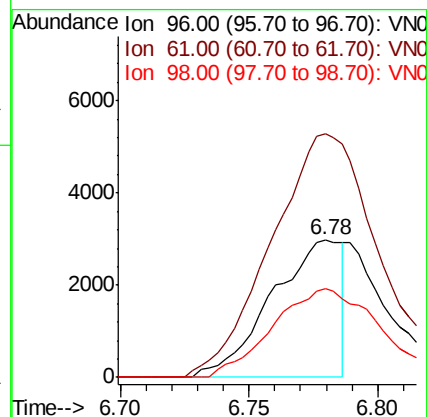
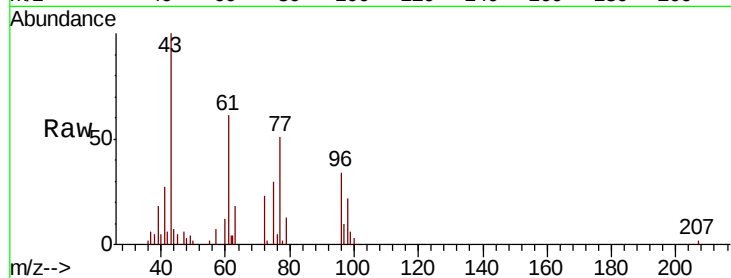




#22
 cis-1,2-Dichloroethene
 Concen: 1.694 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

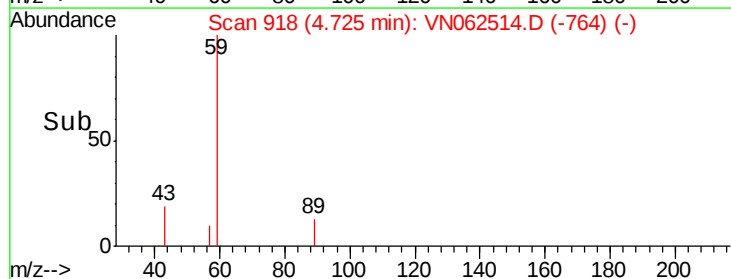
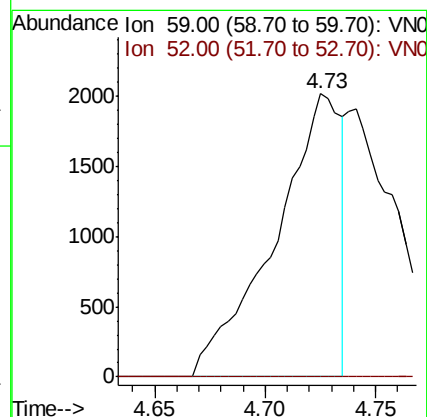
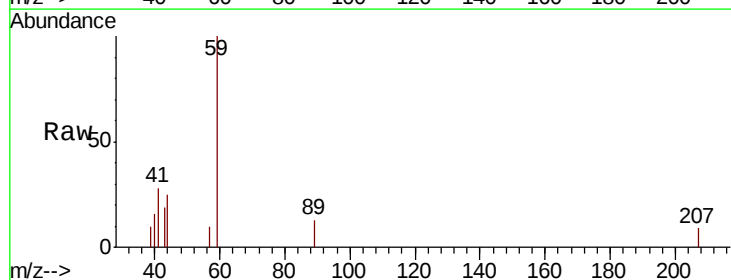
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

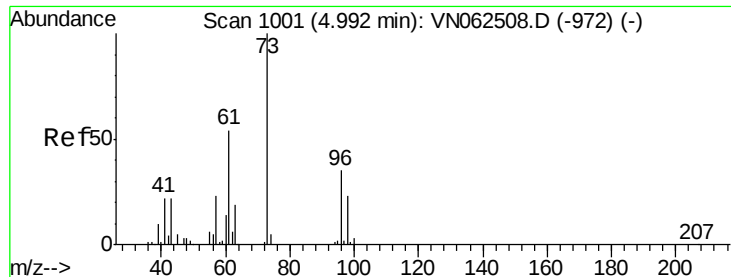
Tot Ion: 96 Resp: 5670
 Ion Ratio Lower Upper
 96 100
 61 267.1 134.9 202.3#
 98 97.2 51.5 77.3#



#23
 tert-Butyl Alcohol
 Concen: 7.507 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 59 Resp: 4203
 Ion Ratio Lower Upper
 59 100
 52 374.9 0.0 0.0#



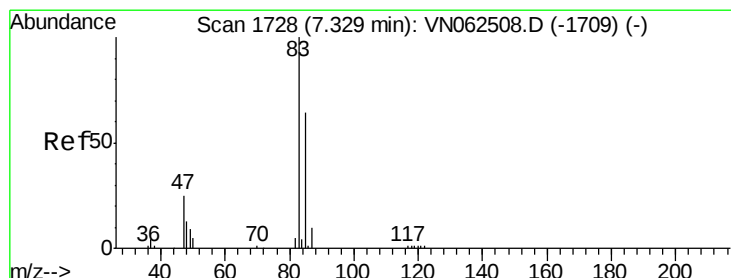
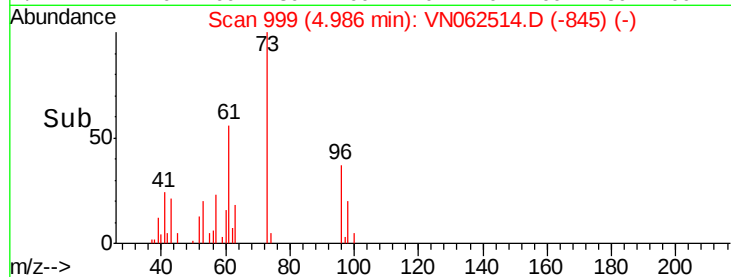
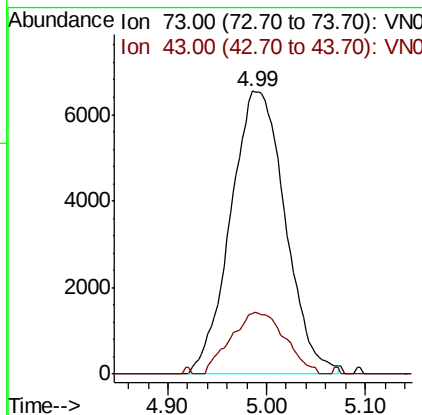
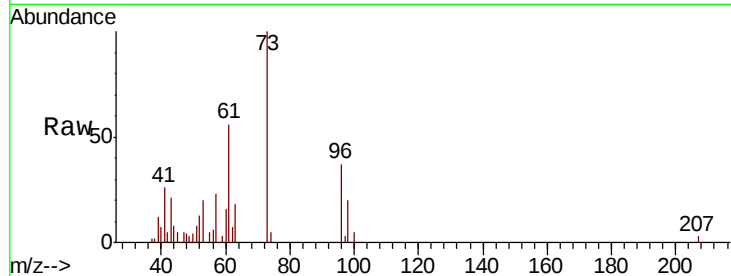


#24

Methyl tert-Butyl Ether
 Concen: 2.542 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

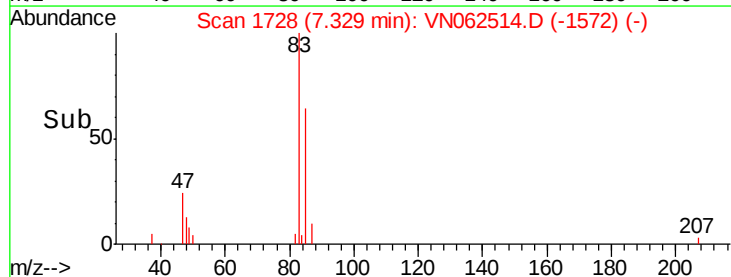
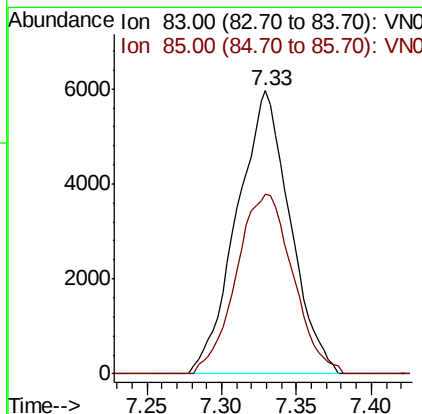
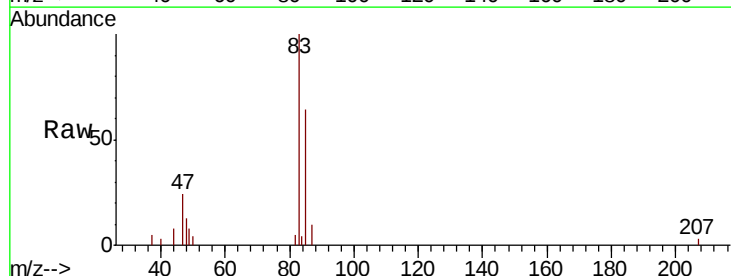
Tot Ion: 73 Resp: 25141
 Ion Ratio Lower Upper
 73 100
 43 13.6 16.9 25.3#

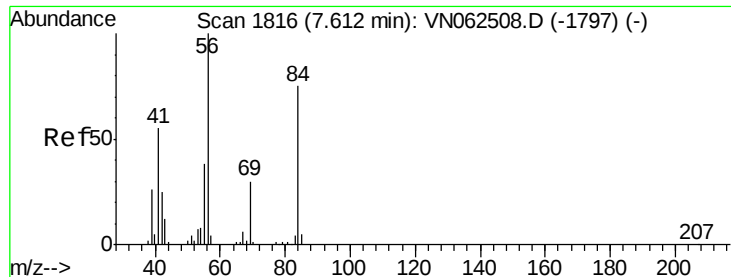


#25

Chloroform
 Concen: 2.592 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 83 Resp: 14737
 Ion Ratio Lower Upper
 83 100
 85 63.6 51.0 76.4

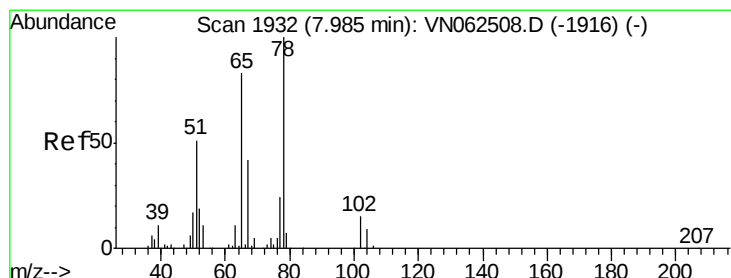
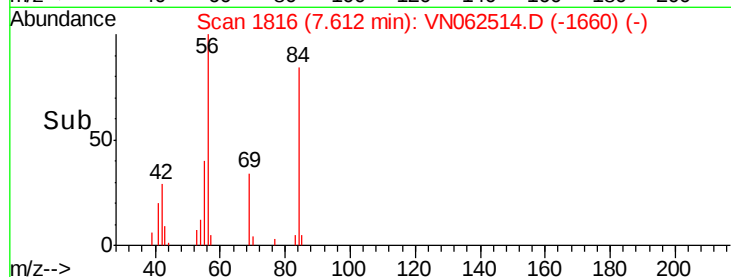
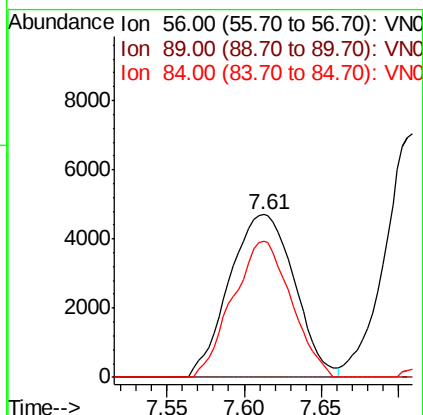
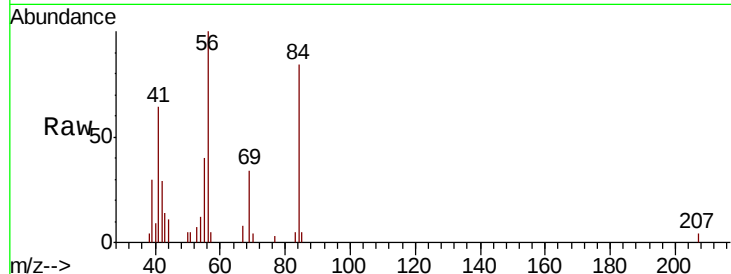




#26
Cyclohexane
Concen: 2.525 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

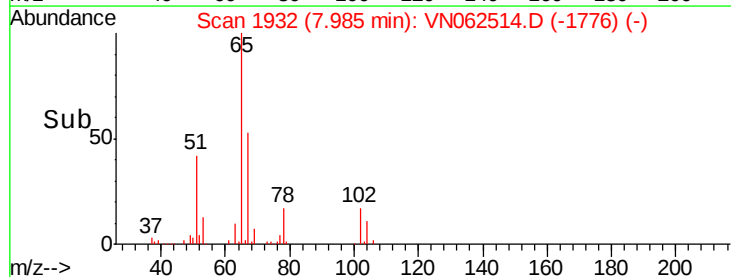
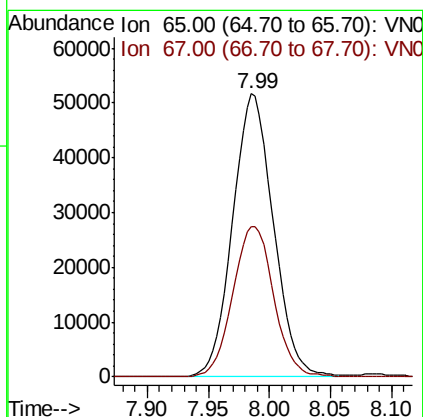
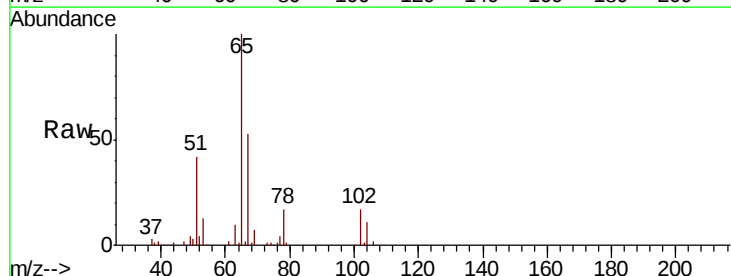
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

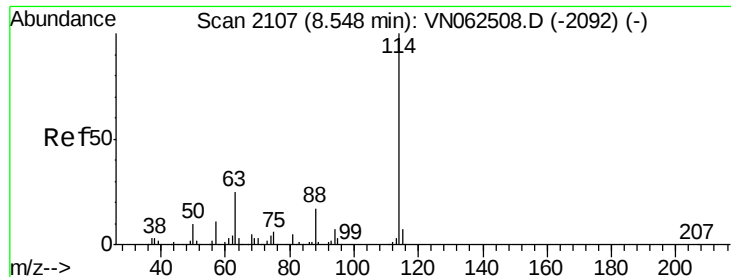
Tot Ion: 56 Resp: 13799
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.2 61.1 91.7



#27
1,2-Dichloroethane-d4
Concen: 29.908 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 65 Resp: 119667
Ion Ratio Lower Upper
65 100
67 53.3 41.7 62.5

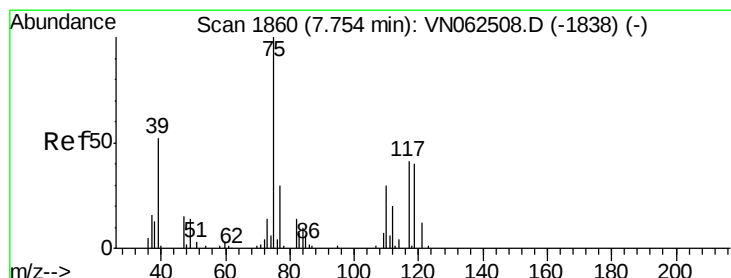
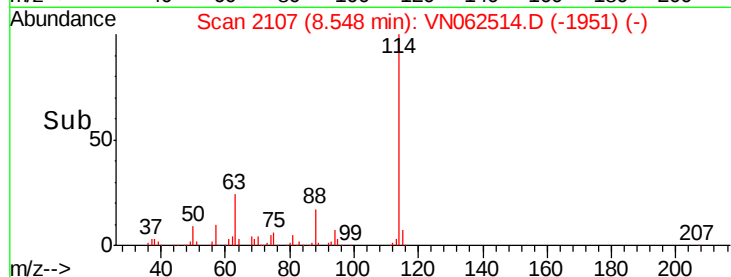
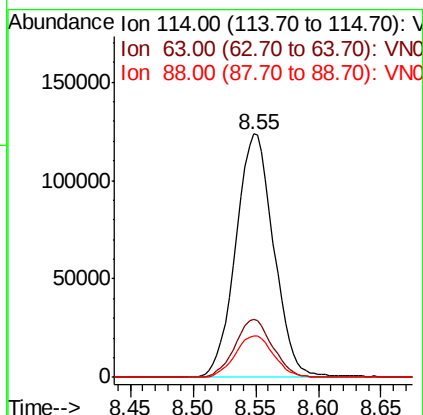
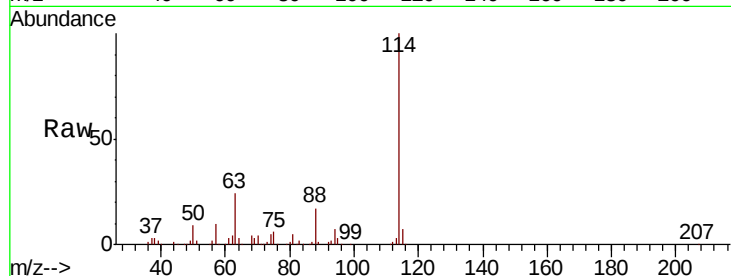




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

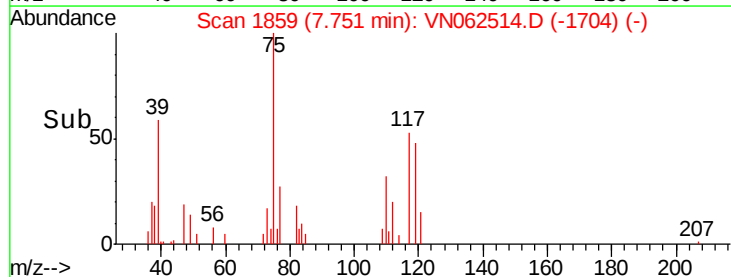
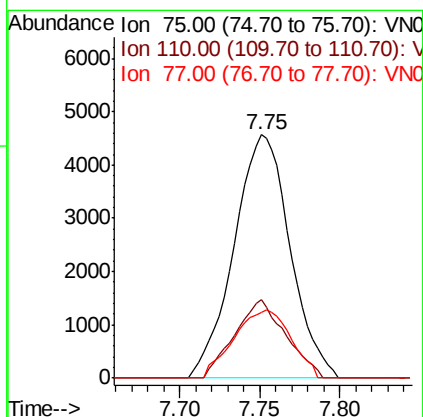
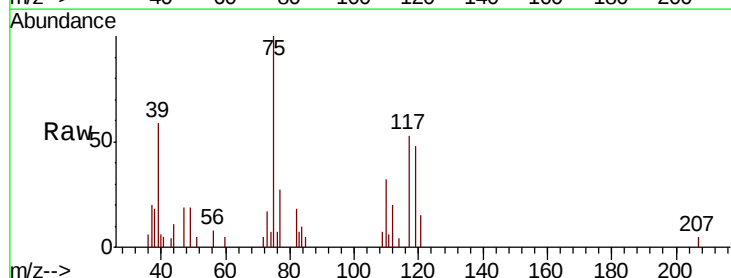
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

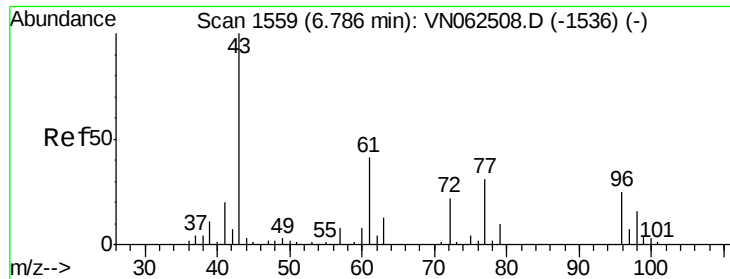
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.4	13.5	20.3



#29
 1,1-Dichloropropene
 Concen: 2.482 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.4	0.0	62.4
77	28.6	0.0	62.8

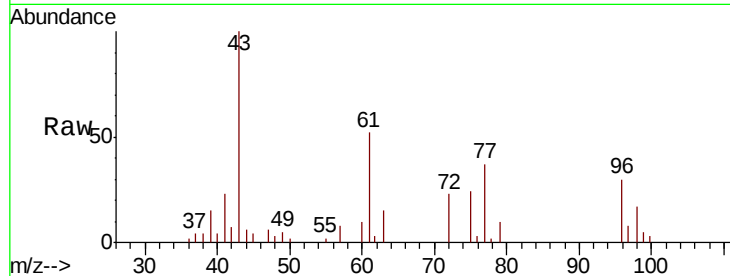




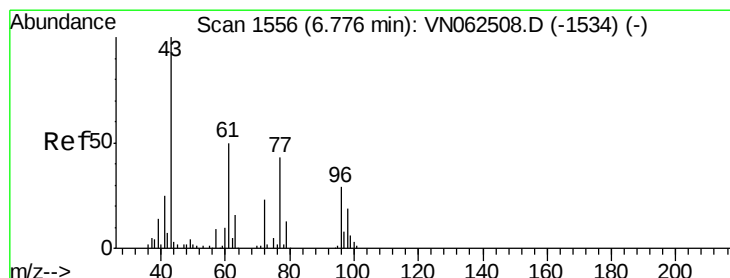
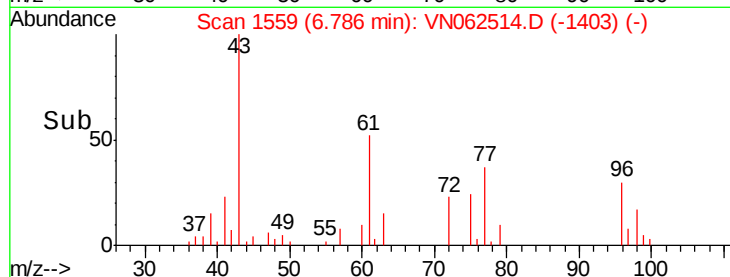
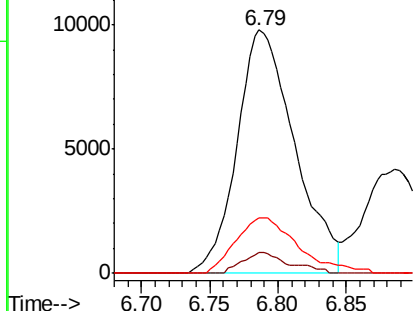
#30
2-Butanone
Concen: 12.306 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 28798
Ion Ratio Lower Upper
43 100
57 5.7 6.6 9.8#
72 24.5 18.5 27.7

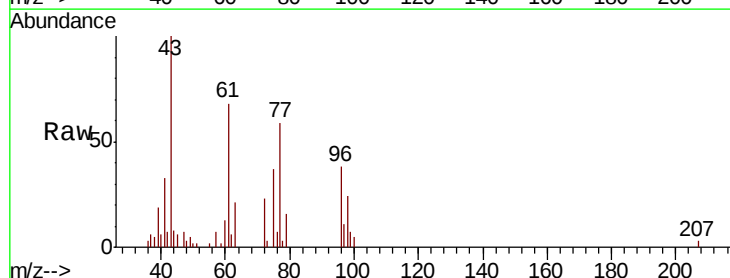


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

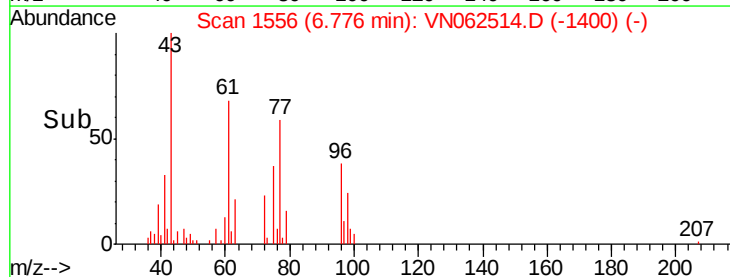
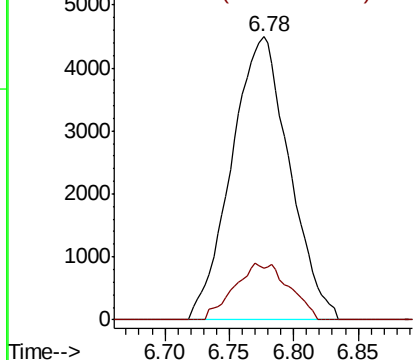


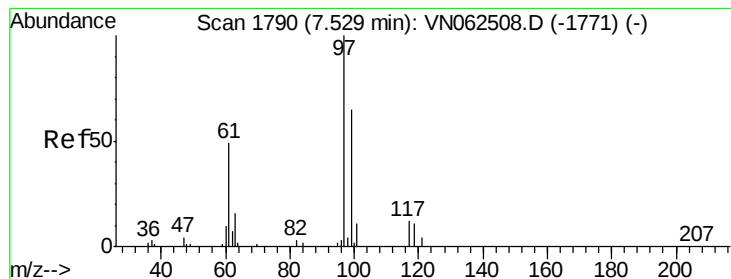
#31
2,2-Dichloropropane
Concen: 2.820 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 77 Resp: 14029
Ion Ratio Lower Upper
77 100
97 10.4 8.6 12.8



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0





#32

1,1,1-Trichloroethane

Concen: 2.690 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

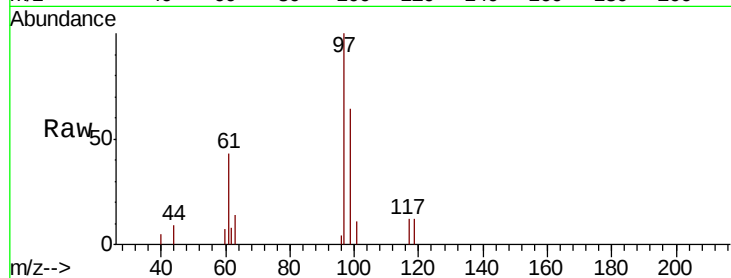
Tot Ion: 97 Resp: 12759

Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.8

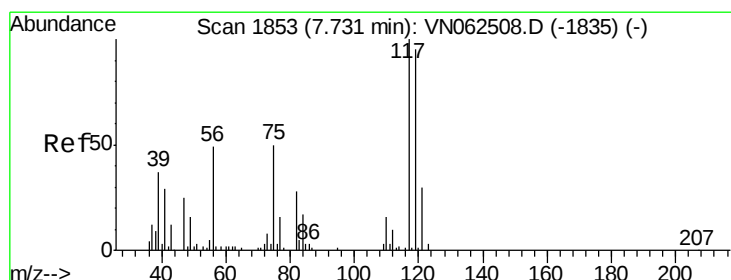
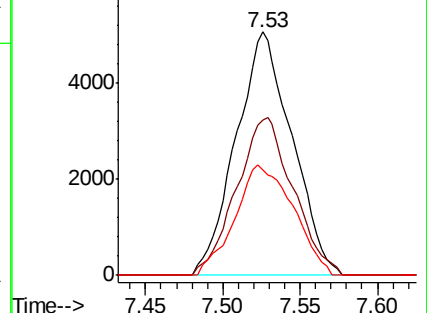
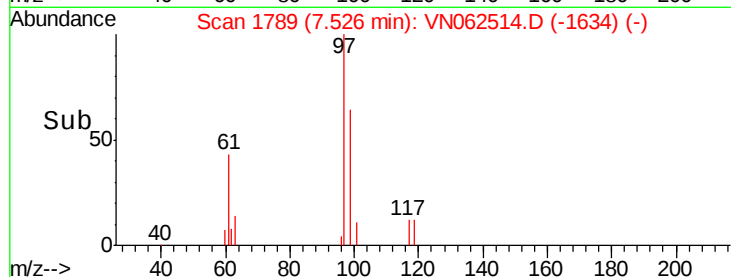
61 47.0 39.4 59.0



Abundance Ion 97.00 (96.70 to 97.70): VN062514.D (-1634) (-)

Ion 99.00 (98.70 to 99.70): VN062514.D (-1634) (-)

Ion 61.00 (60.70 to 61.70): VN062514.D (-1634) (-)



#33

Carbon Tetrachloride

Concen: 2.575 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

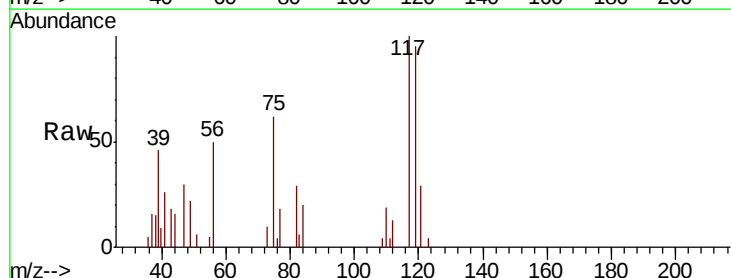
Tgt Ion: 117 Resp: 10586

Ion Ratio Lower Upper

117 100

119 95.1 76.2 114.4

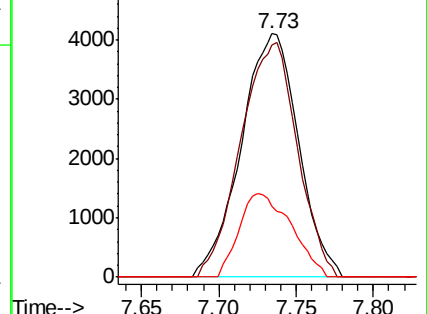
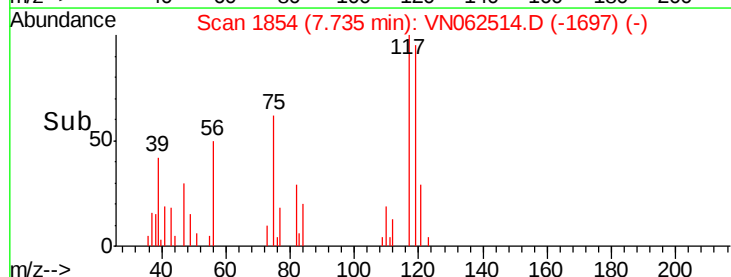
121 29.3 23.8 35.6

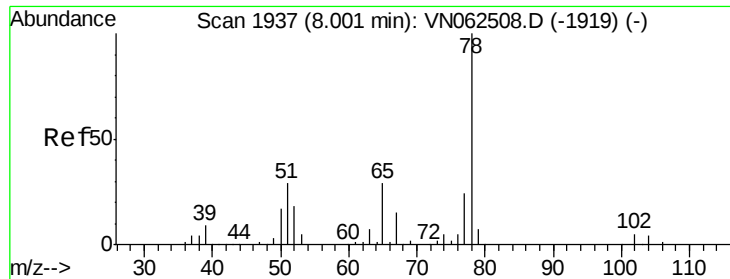


Abundance Ion 117.00 (116.70 to 117.70): VN062514.D (-1697) (-)

Ion 119.00 (118.70 to 119.70): VN062514.D (-1697) (-)

Ion 121.00 (120.70 to 121.70): VN062514.D (-1697) (-)





#34

Benzene

Concen: 2.631 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

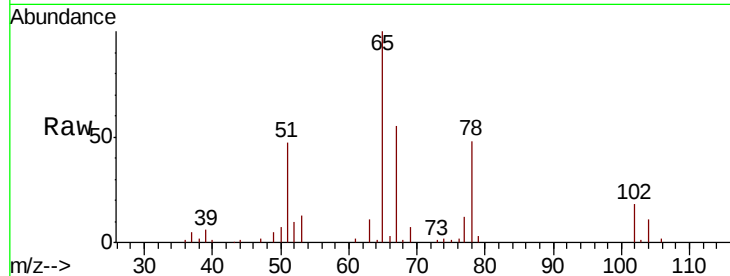
Tot Ion: 78 Resp: 34483

Ion Ratio Lower Upper

78 100

77 25.9 18.9 28.3

51 96.0 23.1 34.7#

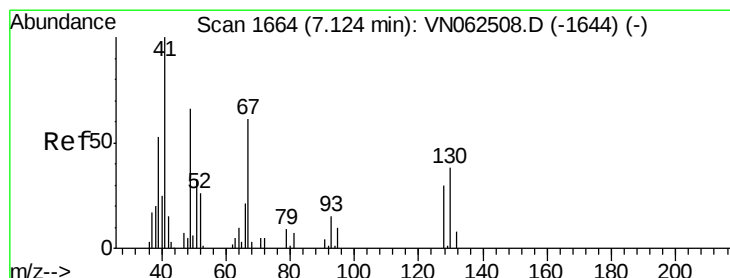
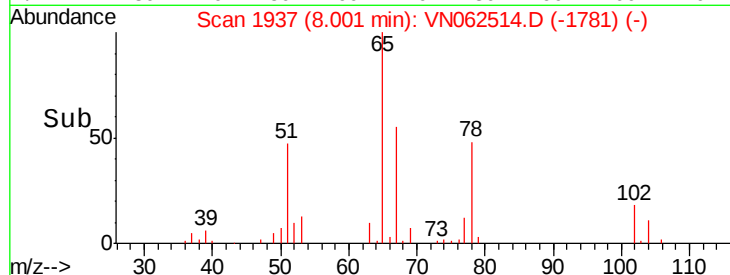
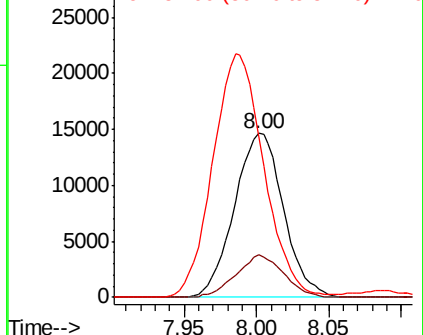


Abundance

Ion 78.10 (77.80 to 78.80): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#35

Methacrylonitrile

Concen: 3.125 ug/l

RT: 7.13 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion: 41 Resp: 6423

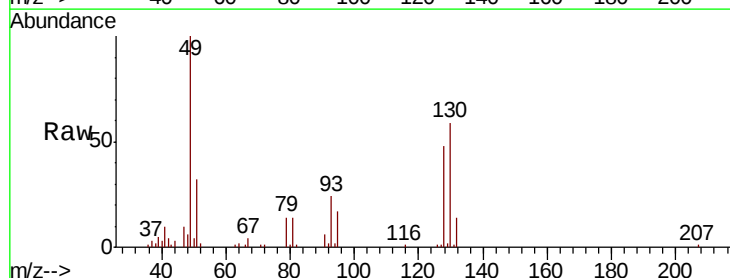
Ion Ratio Lower Upper

41 100

39 51.9 26.5 79.5

67 41.2 30.7 92.1

52 23.9 13.0 39.0



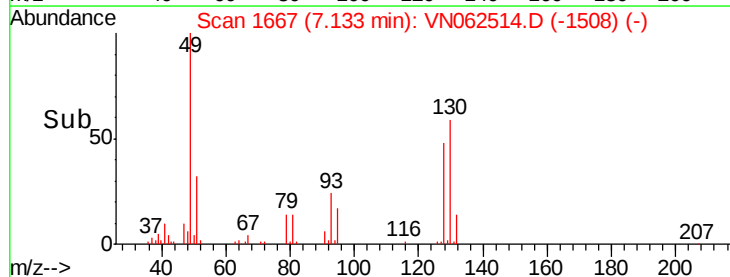
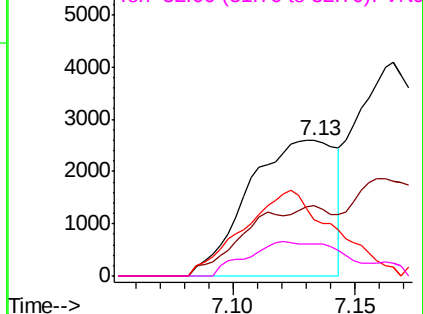
Abundance

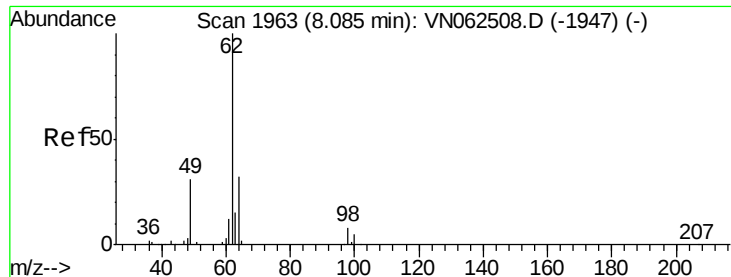
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

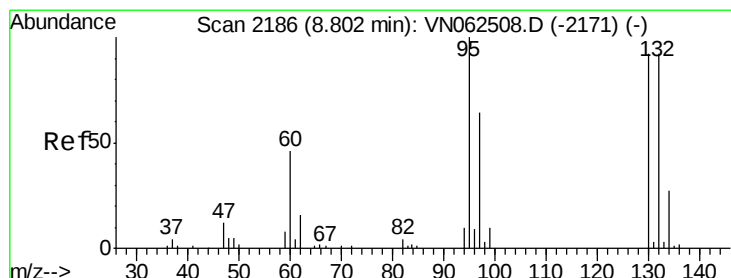
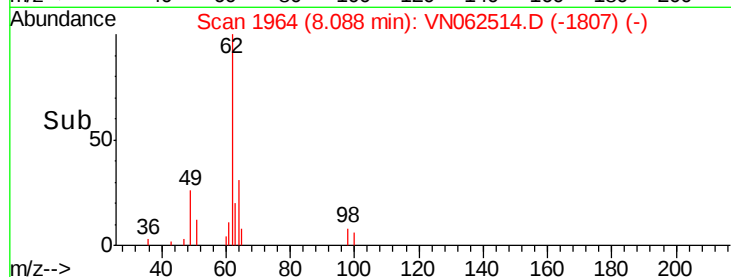
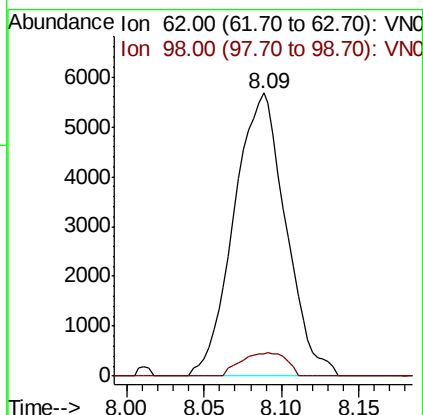
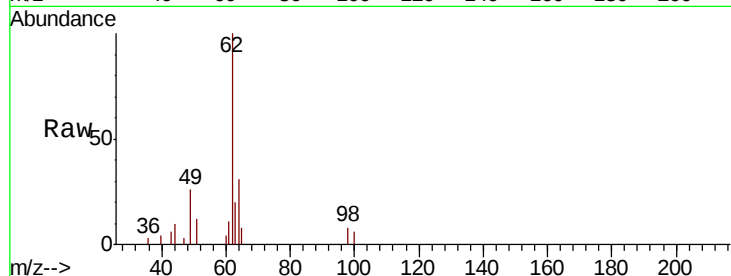




#36
 1,2-Dichloroethane
 Concen: 2.805 ug/l
 RT: 8.09 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

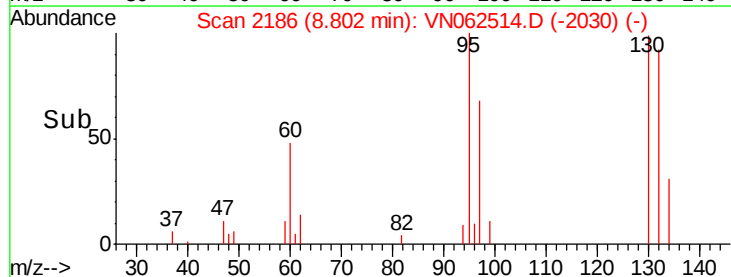
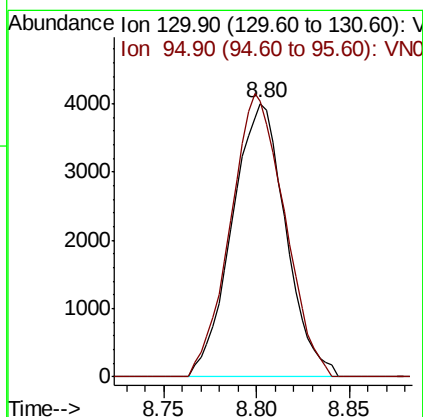
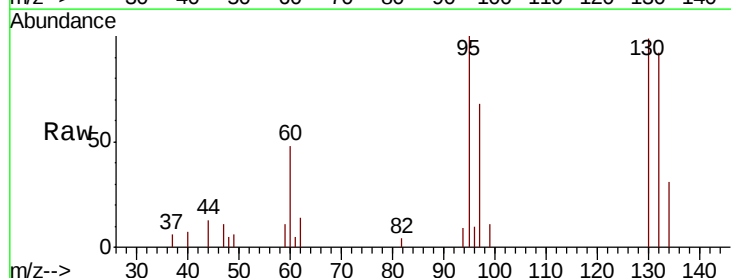
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

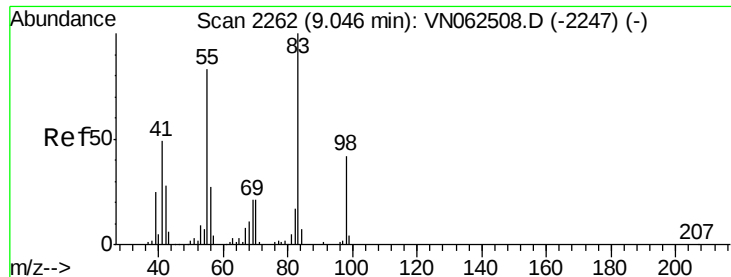
Tot Ion: 62 Resp: 13218
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.6 9.8



#37
 Trichloroethene
 Concen: 2.746 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion:130 Resp: 8086
 Ion Ratio Lower Upper
 130 100
 95 101.0 86.5 129.7

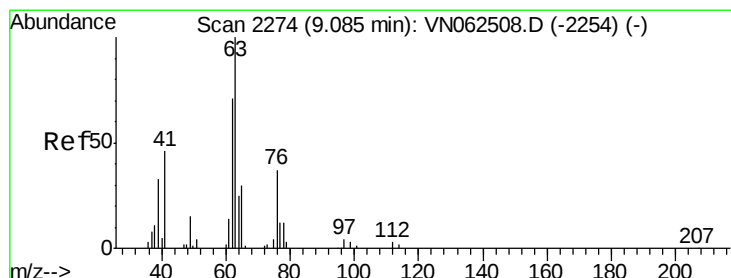
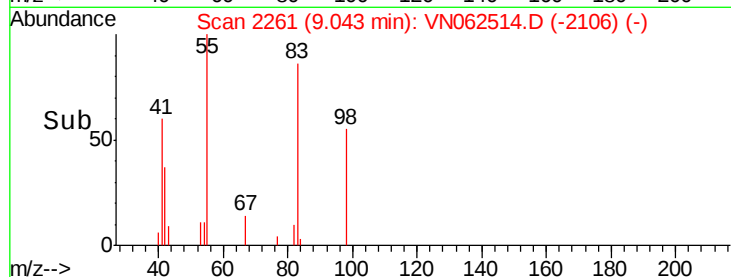
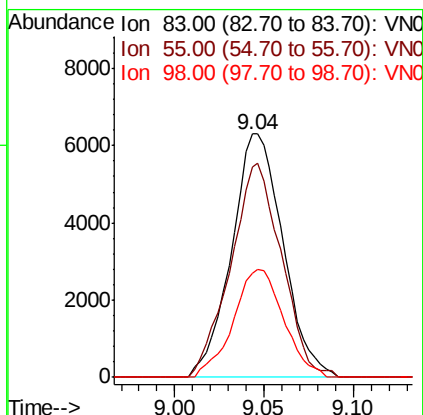
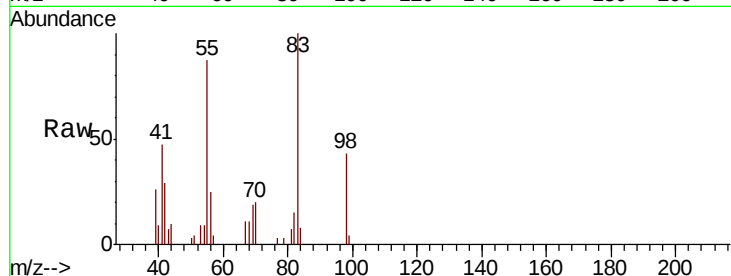




#38
Methvlcvclohexane
Concen: 2.567 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

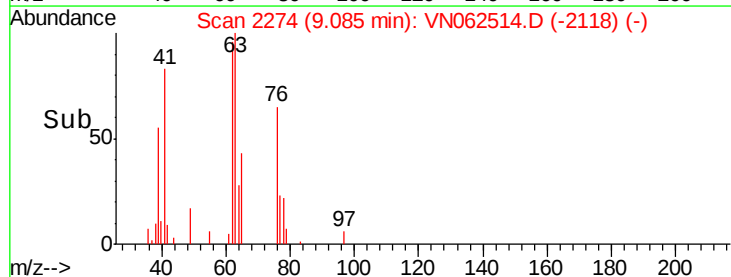
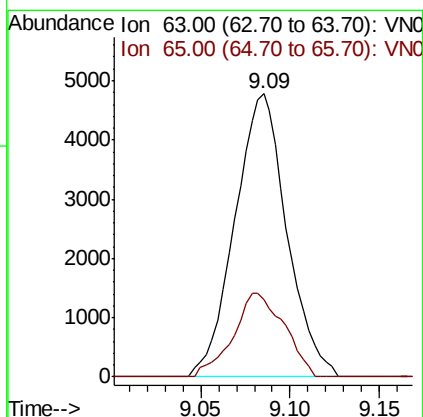
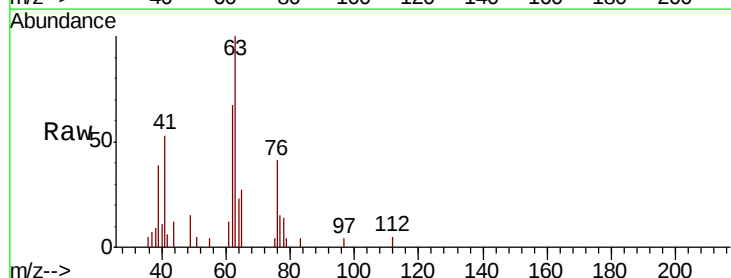
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

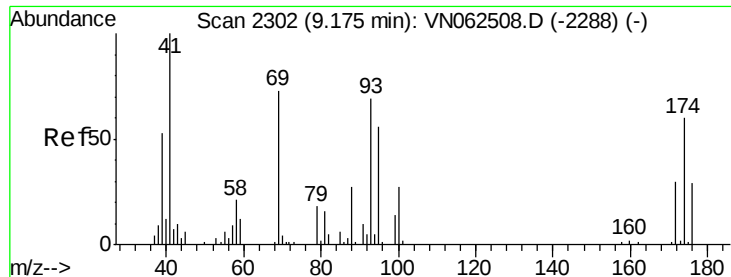
Tot Ion: 83 Resp: 12705
Ion Ratio Lower Upper
83 100
55 86.4 42.8 128.3
98 43.4 21.9 65.7



#39
1,2-Dichloropropane
Concen: 2.595 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 63 Resp: 9692
Ion Ratio Lower Upper
63 100
65 27.2 24.2 36.4

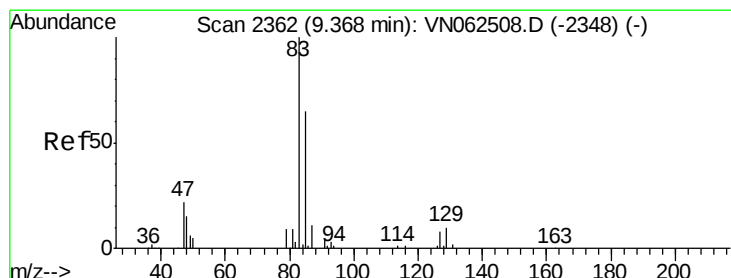
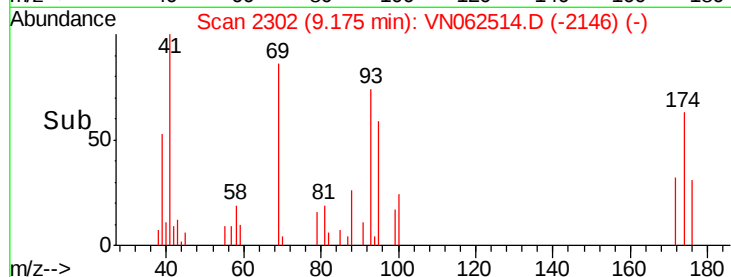
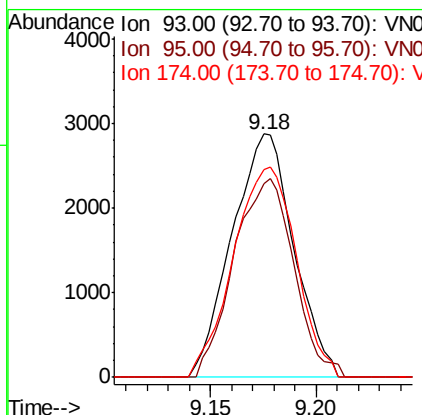
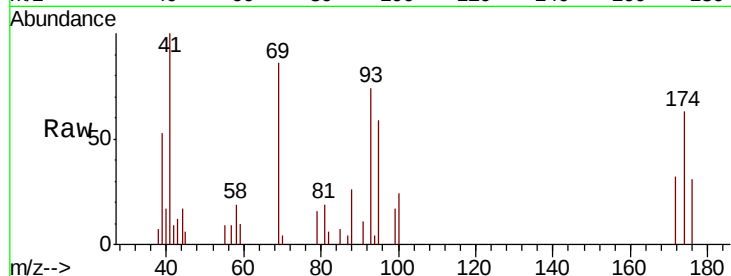




#40
Dibromomethane
Concen: 2.713 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

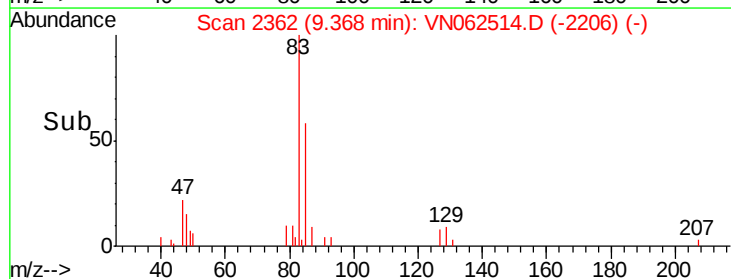
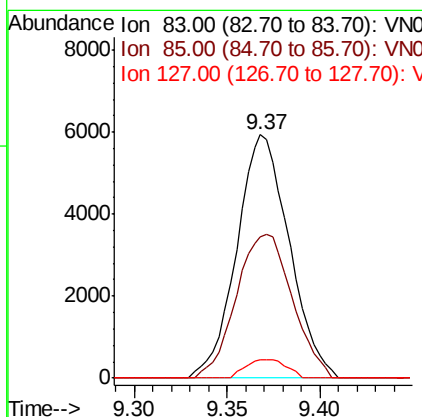
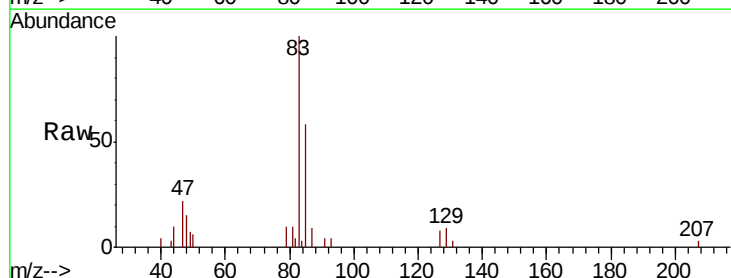
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

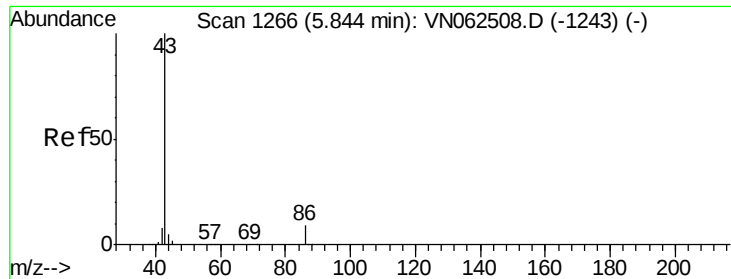
Tot Ion: 93 Resp: 5840
Ion Ratio Lower Upper
93 100
95 79.7 0.0 161.2
174 87.9 0.0 178.0



#41
Bromodichloromethane
Concen: 2.550 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 83 Resp: 11642
Ion Ratio Lower Upper
83 100
85 58.2 51.6 77.4
127 7.7 6.3 9.5

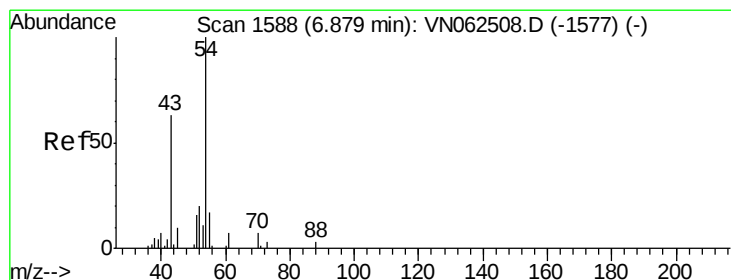
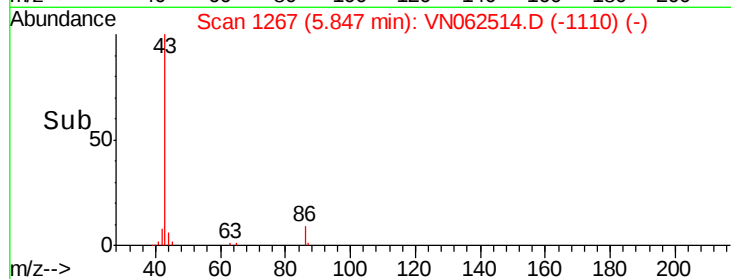
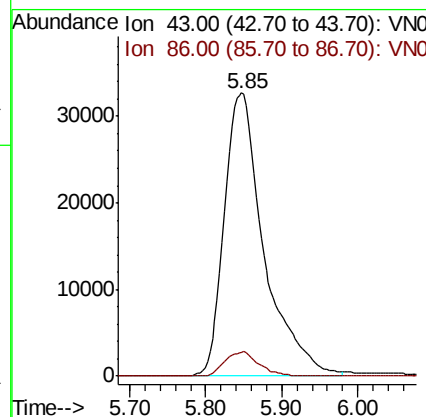
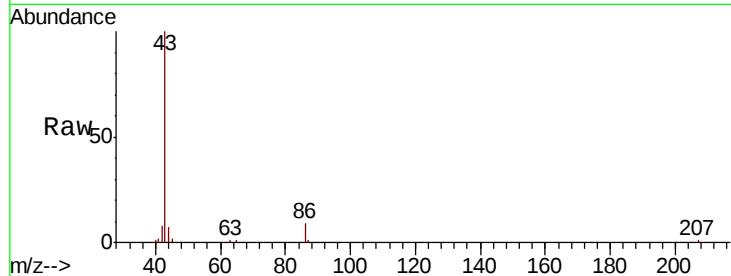




#42
 Vinyl Acetate
 Concen: 12.241 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

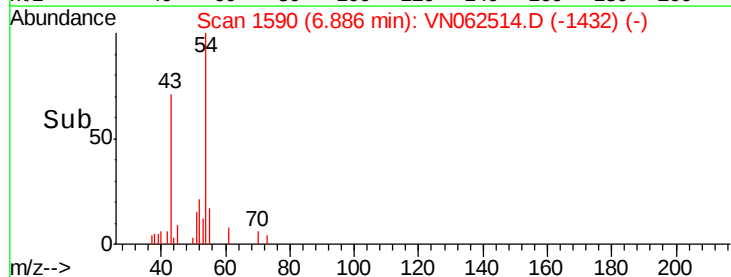
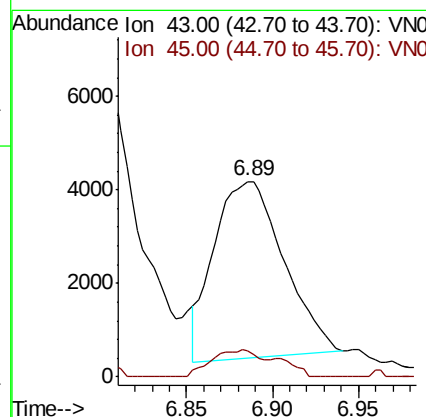
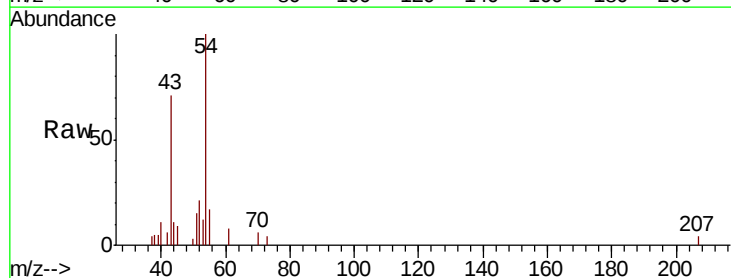
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

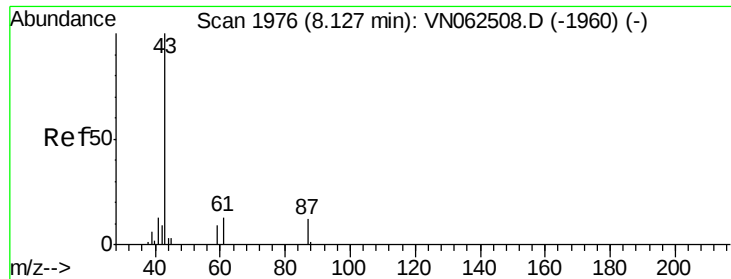
Tot Ion: 43 Resp: 119030
 Ion Ratio Lower Upper
 43 100
 86 7.3 6.1 9.1



#43
 Ethyl Acetate
 Concen: 2.273 ug/l
 RT: 6.89 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 43 Resp: 10693
 Ion Ratio Lower Upper
 43 100
 45 5.2 10.2 15.4#

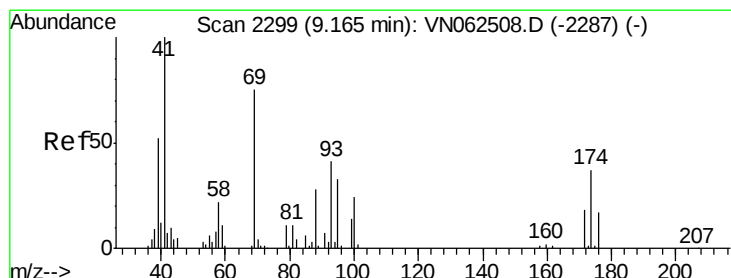
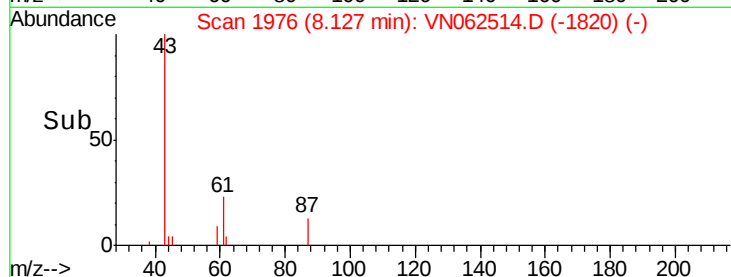
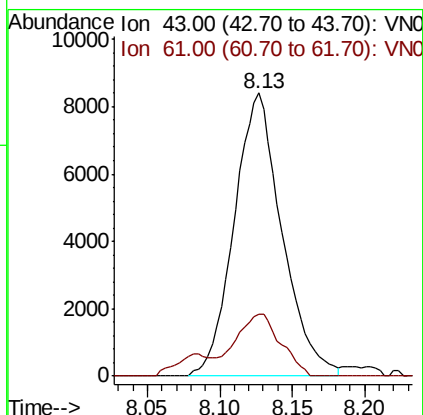
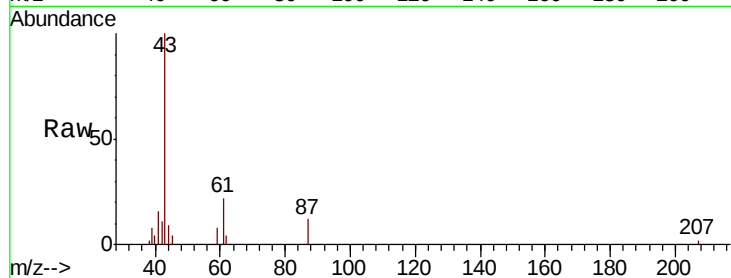




#44
Isopropyl Acetate
Concen: 2.447 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

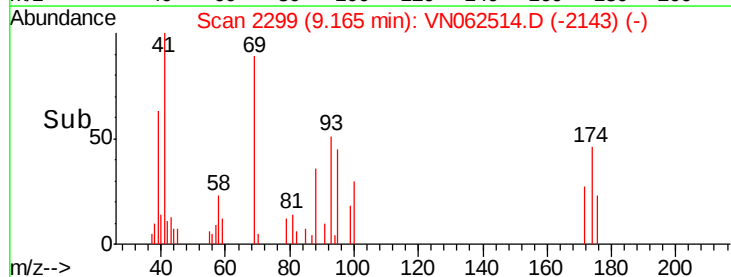
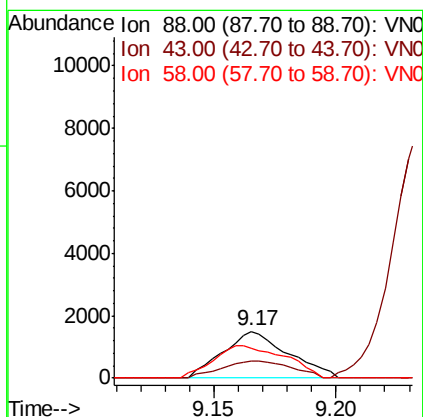
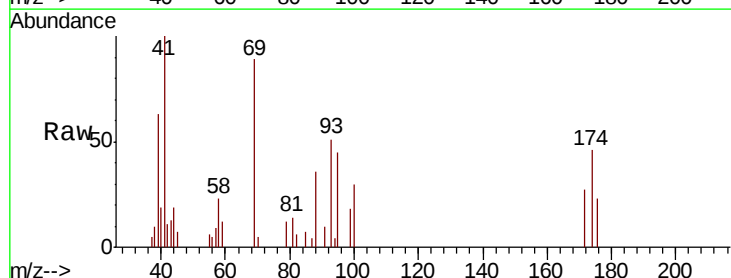
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

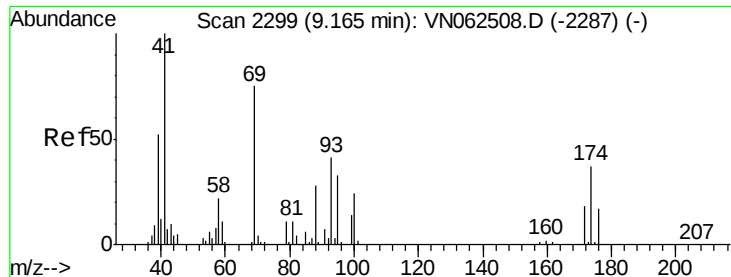
Tot Ion: 43 Resp: 19316
Ion Ratio Lower Upper
43 100
61 19.8 14.7 22.1



#45
1,4-Dioxane
Concen: 51.393 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 88 Resp: 2775
Ion Ratio Lower Upper
88 100
43 39.6 29.2 43.8
58 76.4 62.2 93.4

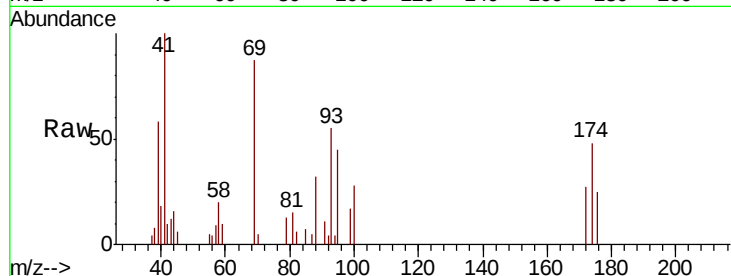




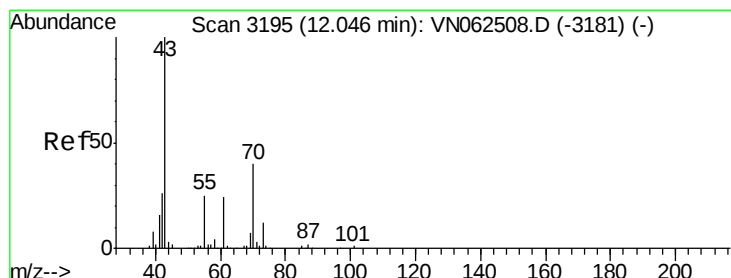
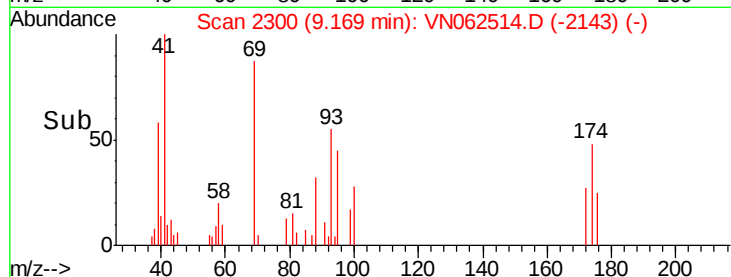
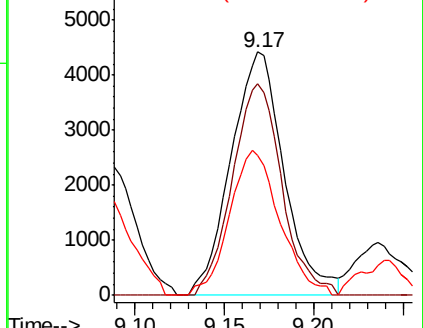
#46
Methvl methacrylate
Concen: 2.450 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 41 Resp: 9176
Ion Ratio Lower Upper
41 100
69 86.8 37.4 112.2
39 57.7 25.9 77.6

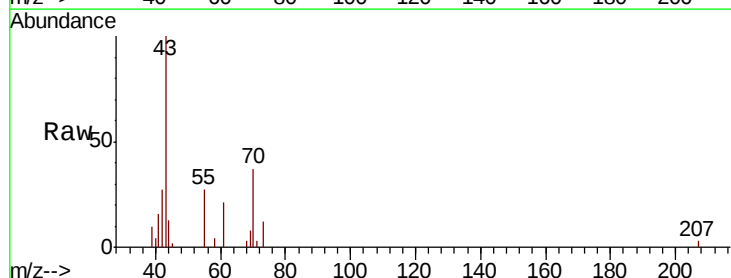


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

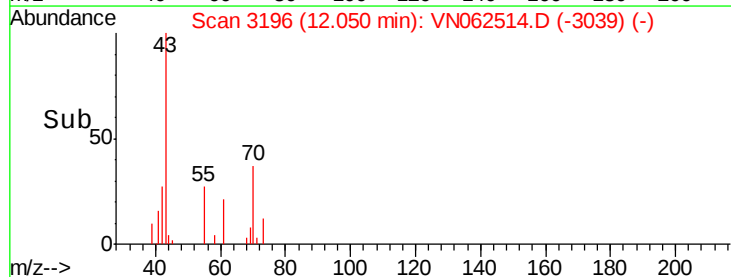
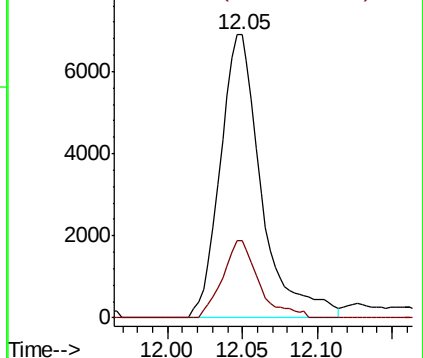


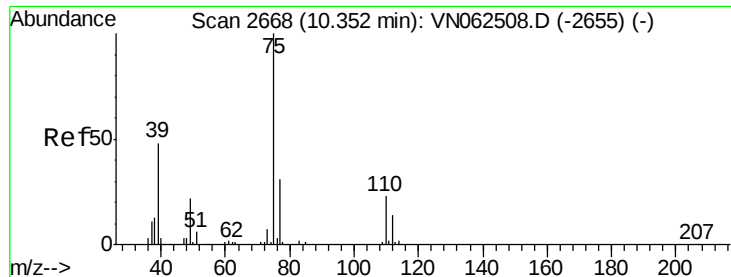
#47
n-amyl Acetate
Concen: 1.992 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 43 Resp: 13254
Ion Ratio Lower Upper
43 100
55 23.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 2.419 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

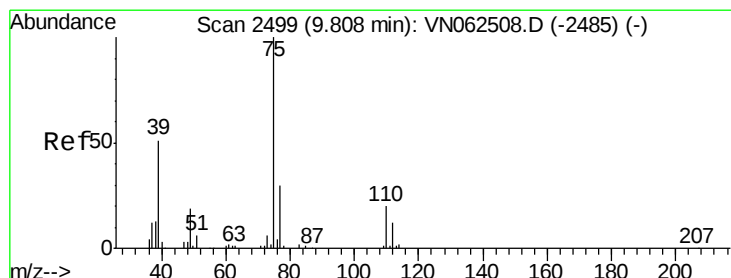
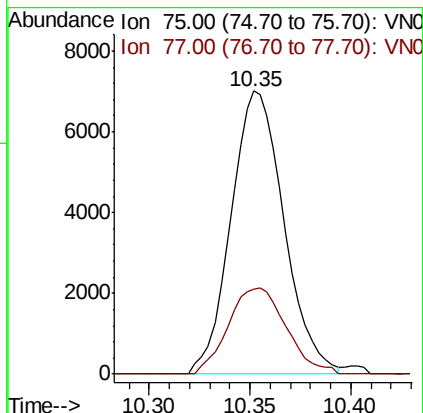
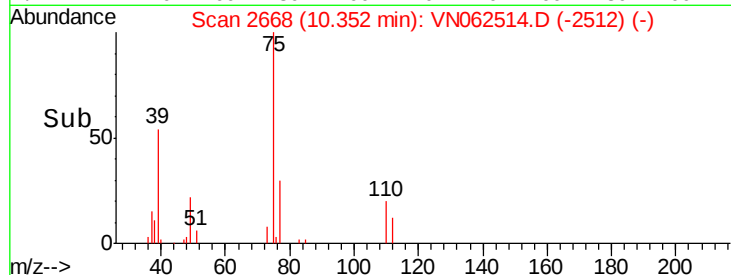
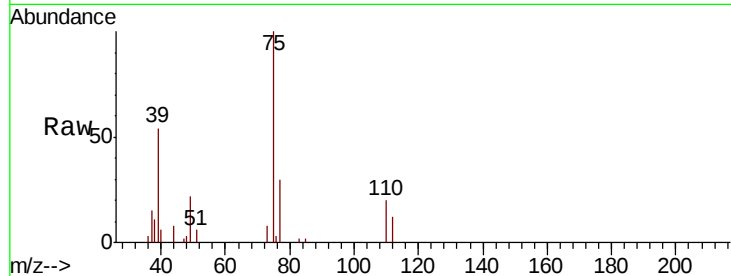
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 12878

Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.4



#49

cis-1,3-Dichloropropene

Concen: 2.507 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

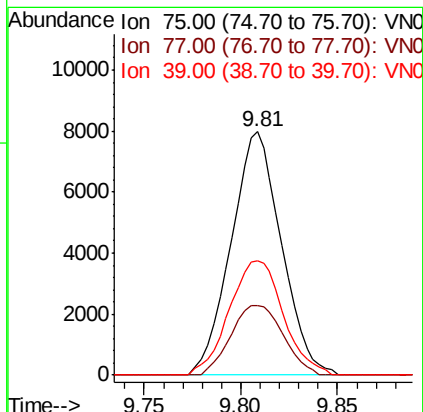
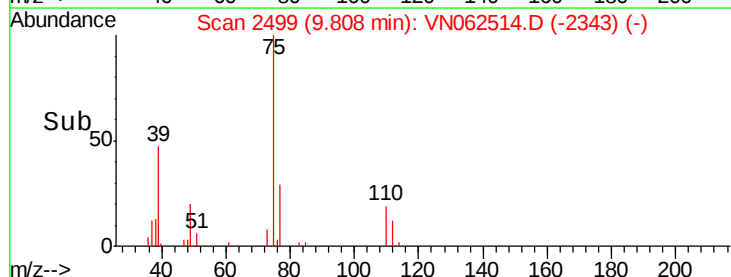
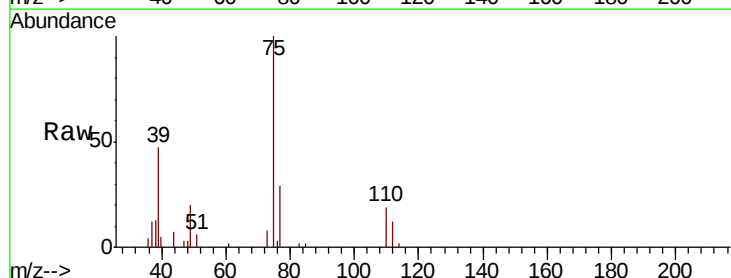
Tgt Ion: 75 Resp: 14408

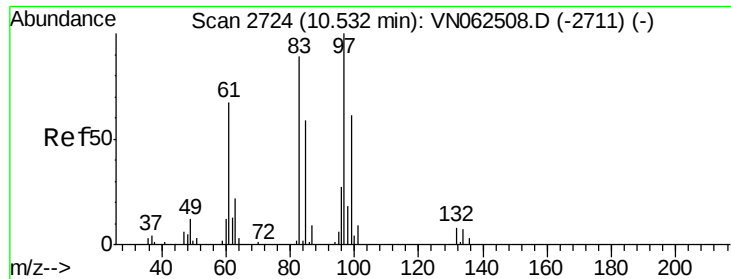
Ion Ratio Lower Upper

75 100

77 28.7 23.7 35.5

39 46.9 40.5 60.7

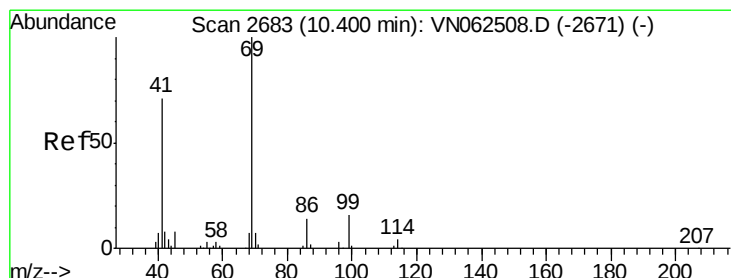
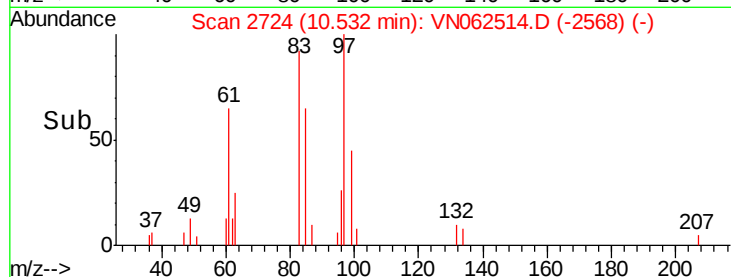
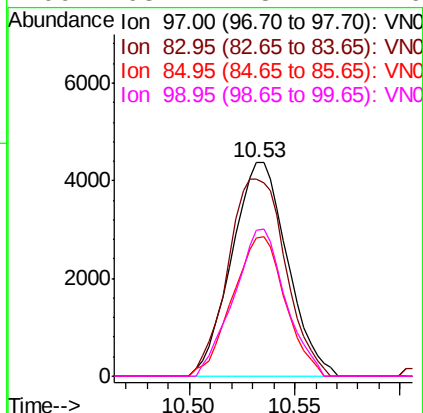
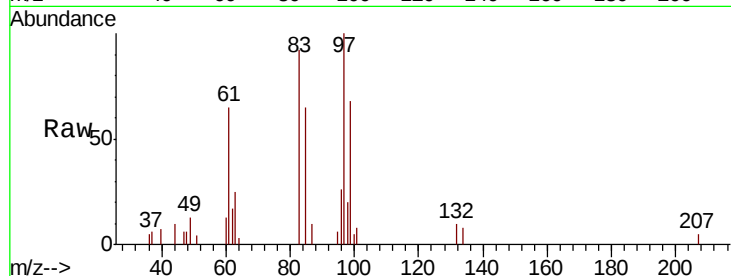




#50
 1,1,2-Trichloroethane
 Concen: 2.660 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

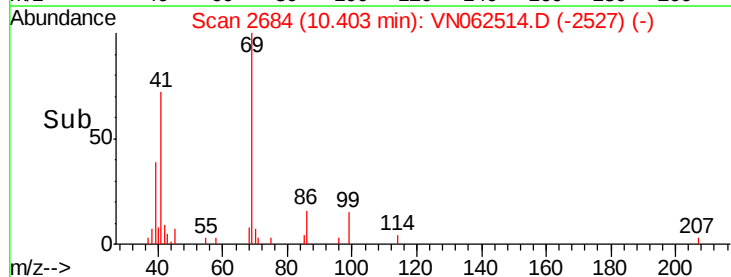
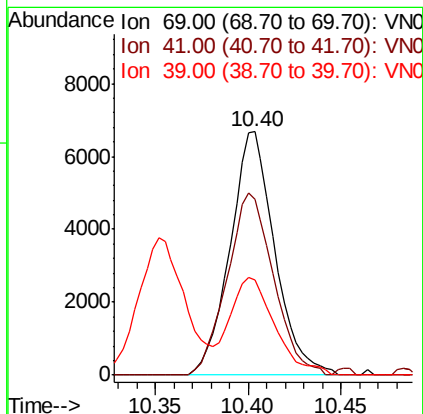
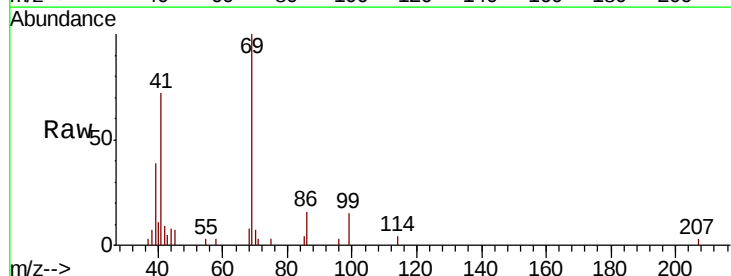
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

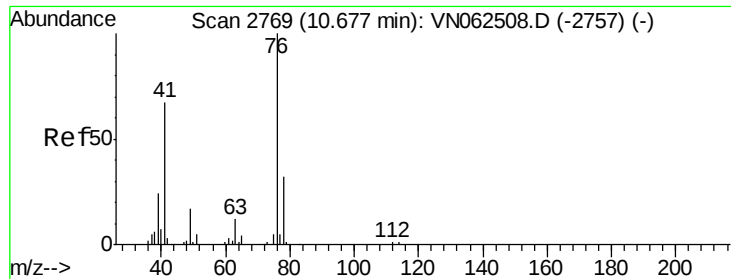
Tot Ion: 97 Resp: 8025
 Ion Ratio Lower Upper
 97 100
 83 92.5 71.3 106.9
 85 64.8 47.2 70.8
 99 68.4 48.4 72.6



#51
 Ethyl methacrylate
 Concen: 2.202 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 69 Resp: 11185
 Ion Ratio Lower Upper
 69 100
 41 72.3 35.6 106.8
 39 39.0 17.2 51.5





#52

1,3-Dichloropropane

Concen: 2.546 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

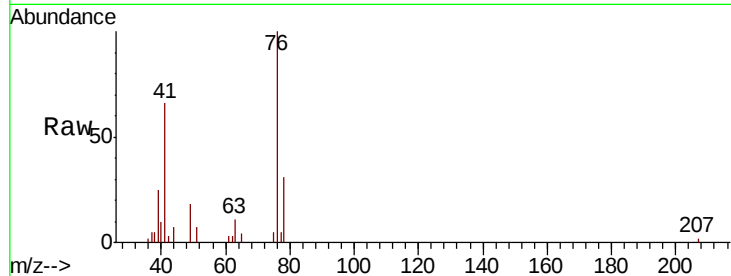
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 14096

Ion Ratio Lower Upper

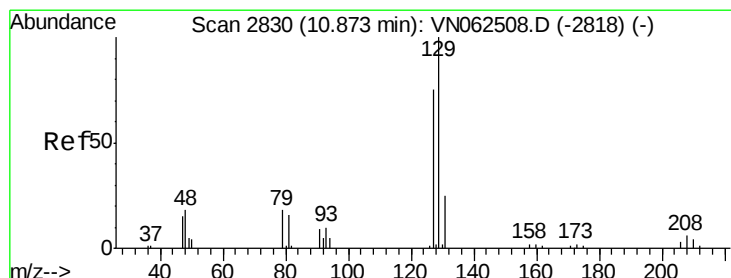
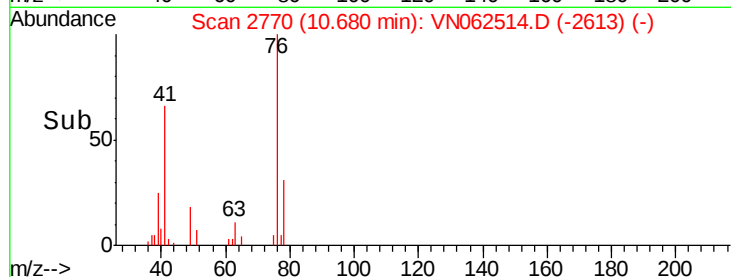
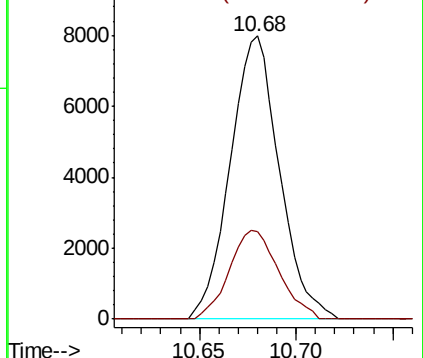
76 100

78 31.5 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-2757) (-)



#53

Dibromochloromethane

Concen: 2.447 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062514.D

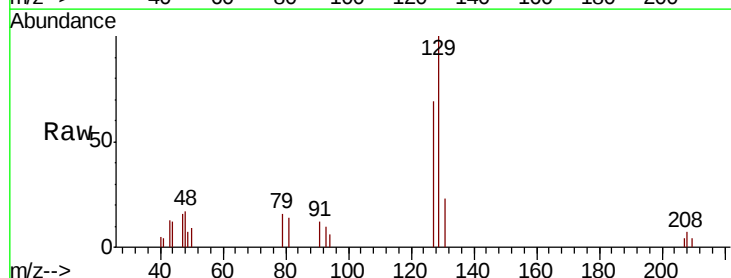
Acq: 13 Jul 2020 14:22

Tgt Ion: 129 Resp: 8044

Ion Ratio Lower Upper

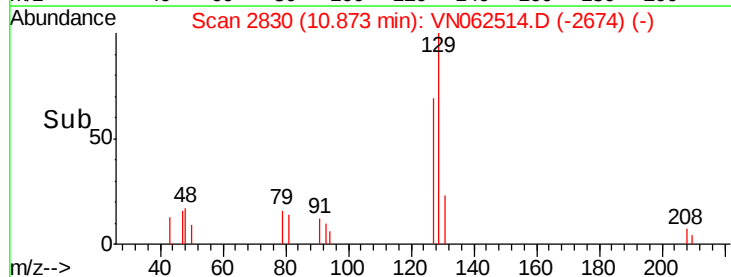
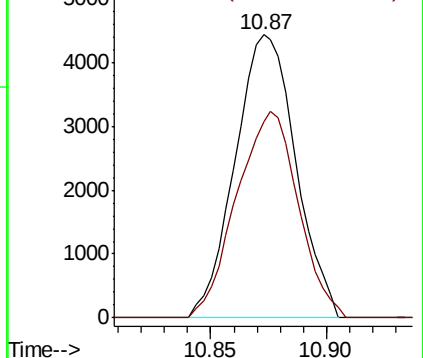
129 100

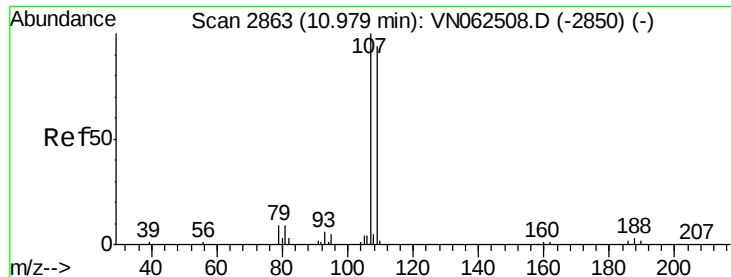
127 74.0 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): VN062508.D (-2818) (-)

Ion 127.00 (126.70 to 127.70): VN062508.D (-2818) (-)

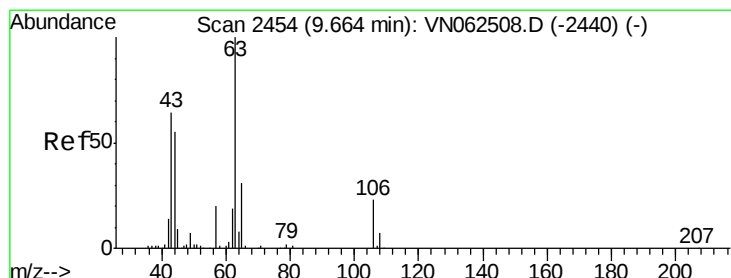
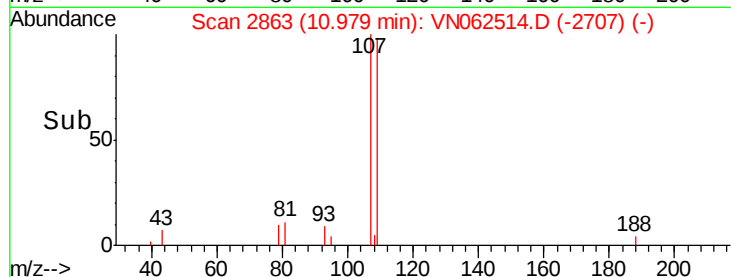
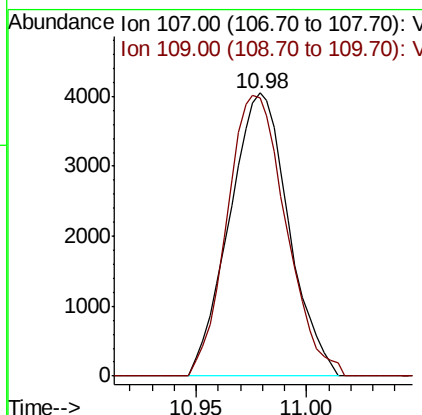
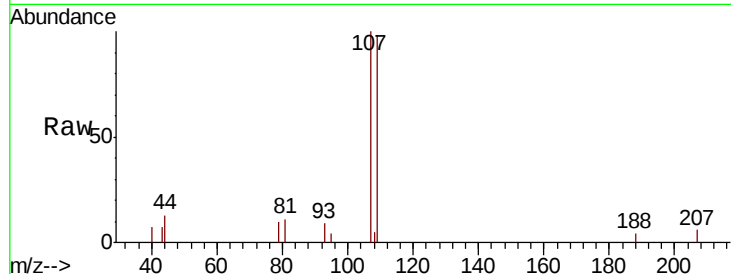




#54
 1,2-Dibromoethane
 Concen: 2.440 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

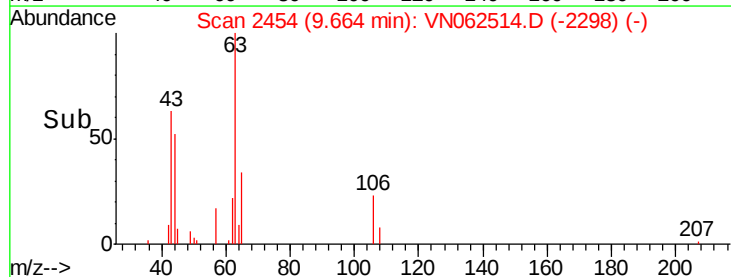
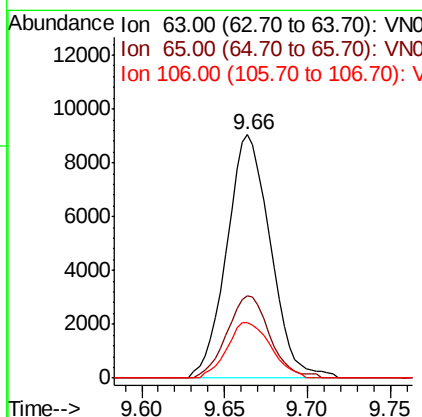
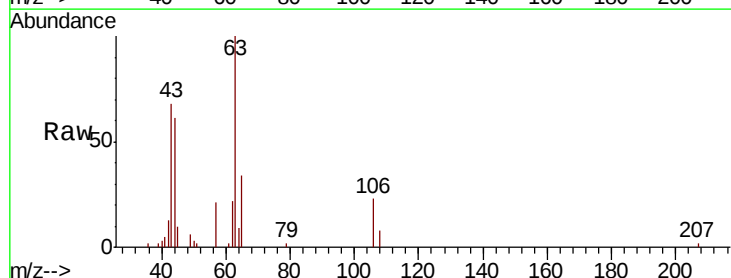
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

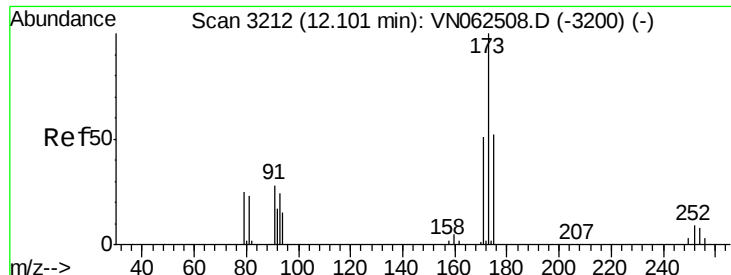
Tot Ion:107 Resp: 7535
 Ion Ratio Lower Upper
 107 100
 109 98.9 74.8 112.2



#55
 2-Chloroethyl vinyl ether
 Concen: 10.235 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 63 Resp: 16604
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.4 38.2
 106 22.9 18.4 27.6

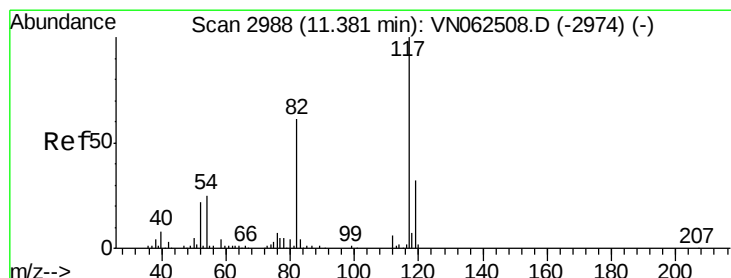
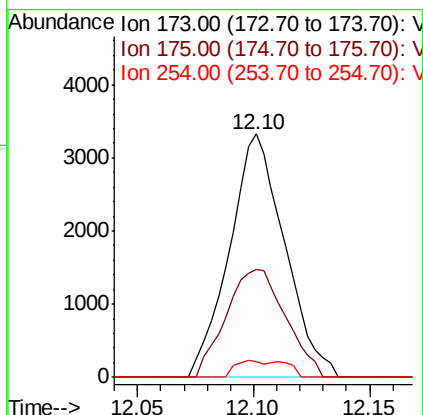
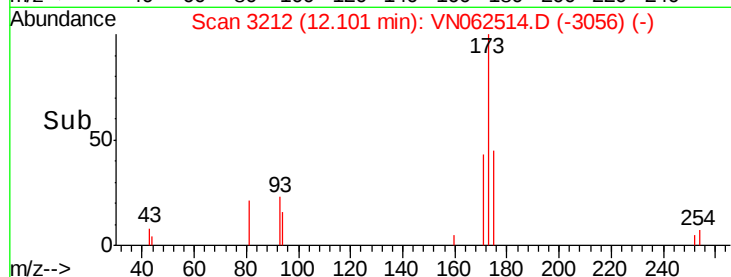
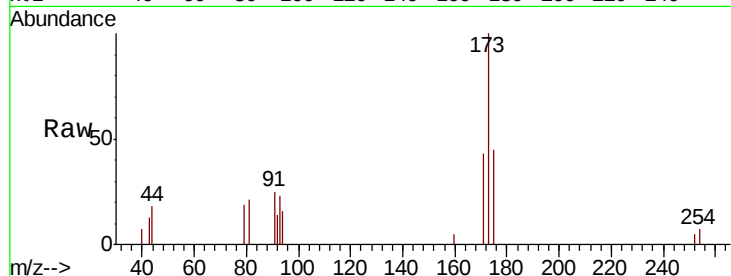




#56
Bromoform
Concen: 2.450 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

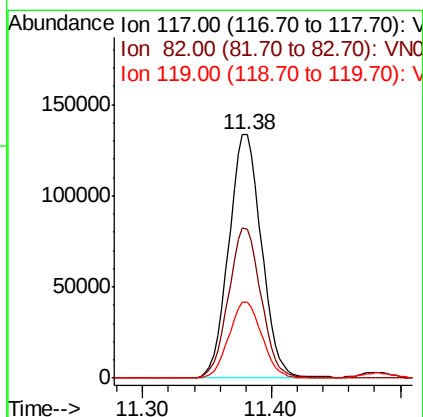
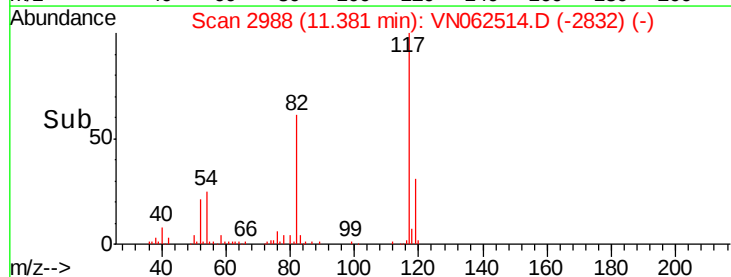
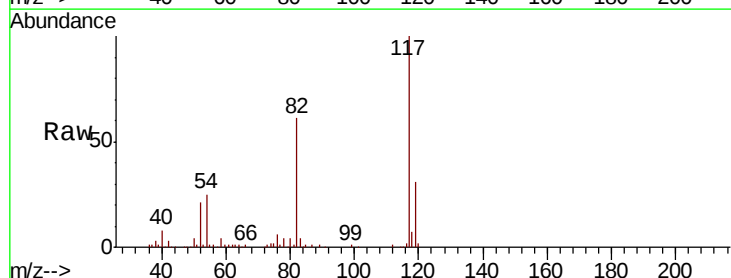
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

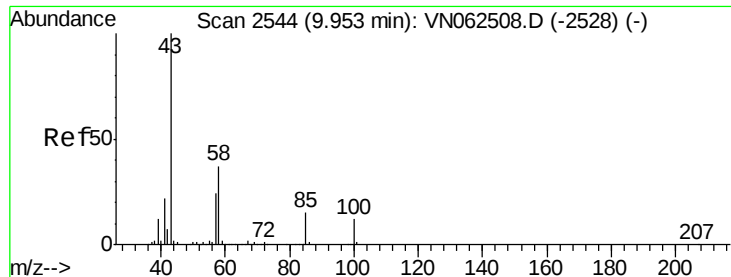
Tot Ion:173 Resp: 5501
Ion Ratio Lower Upper
173 100
175 47.7 38.1 57.1
254 3.5 6.2 9.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:117 Resp: 235845
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 31.4 25.6 38.4

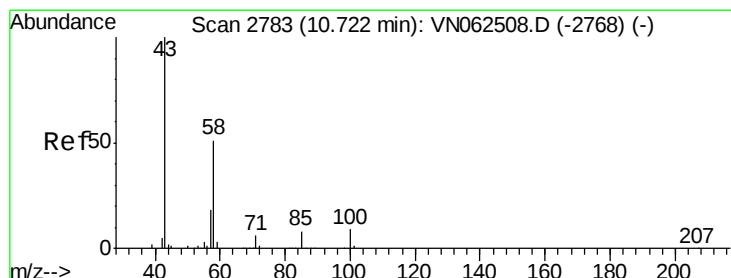
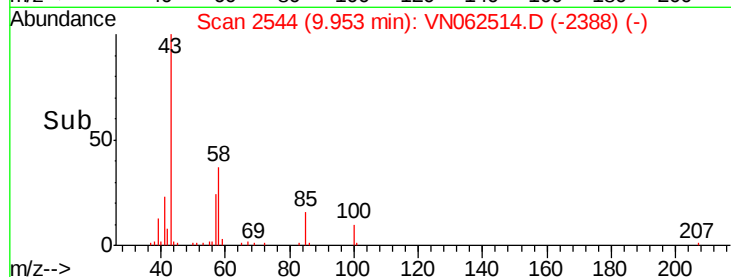
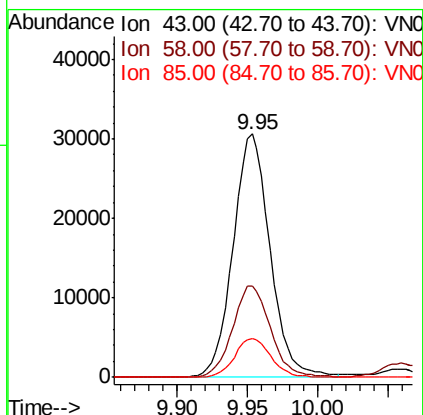
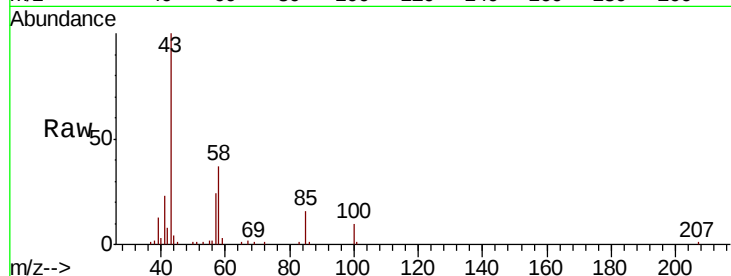




#58
4-Methyl-2-Pentanone
Concen: 12.262 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

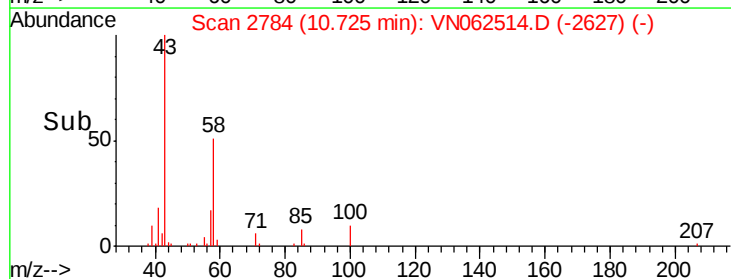
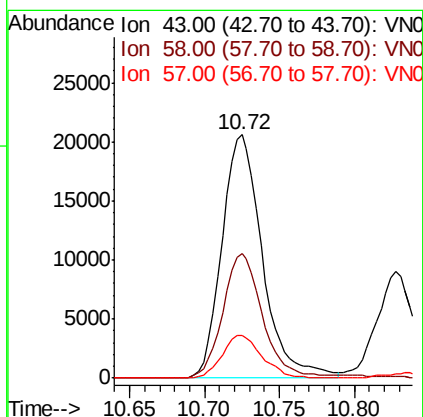
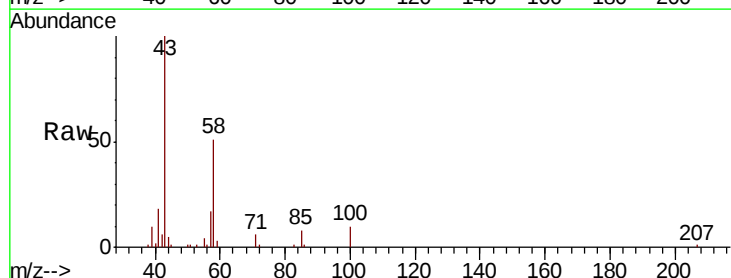
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

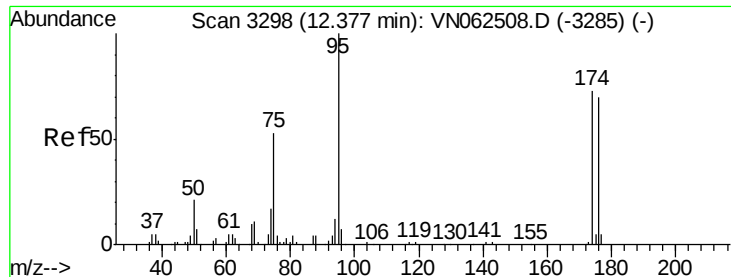
Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.6	44.4
85	15.6	12.0	18.0



#59
2-Hexanone
Concen: 11.526 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.0	41.2	61.8
57	17.2	14.4	21.6

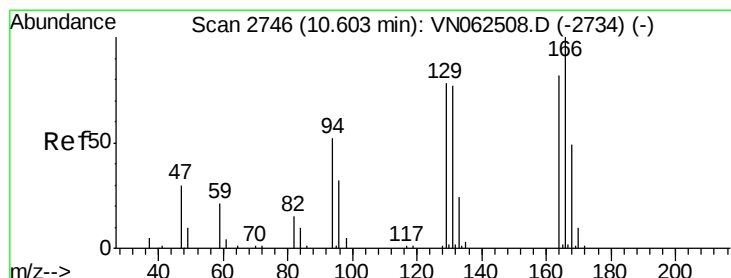
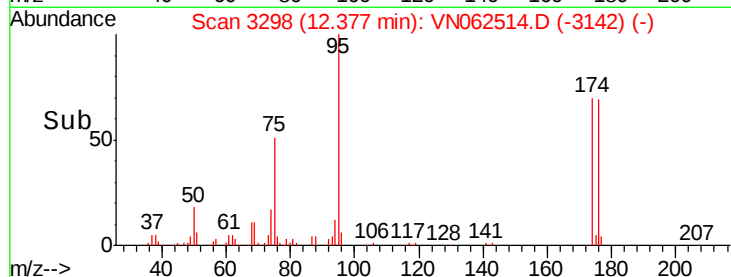
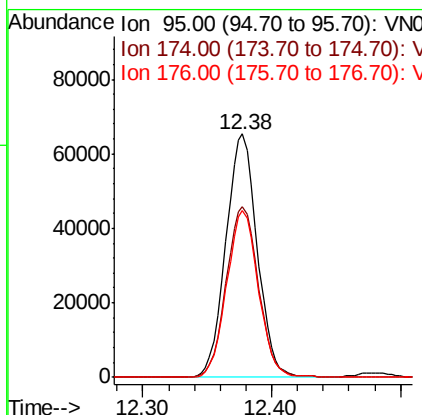
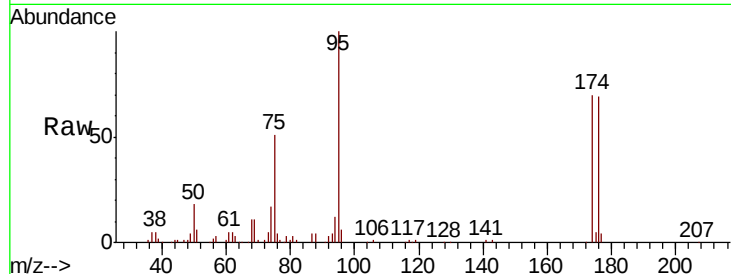




#60
4-Bromofluorobenzene
Concen: 27.537 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

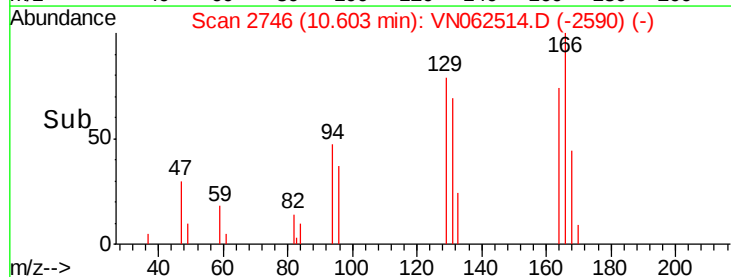
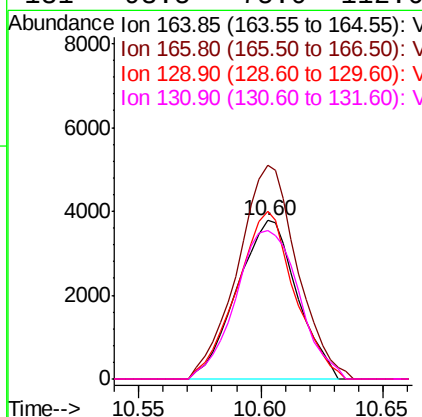
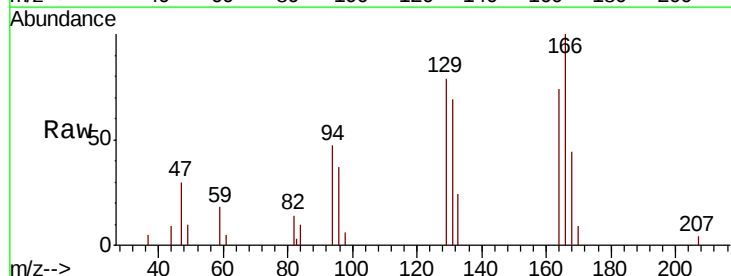
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

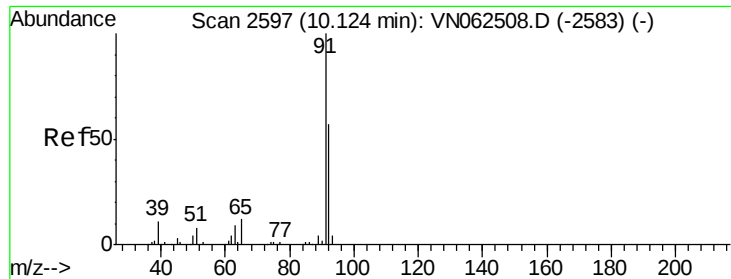
Tot Ion: 95 Resp: 110521
Ion Ratio Lower Upper
95 100
174 71.9 57.5 86.3
176 69.1 56.3 84.5



#61
Tetrachloroethene
Concen: 2.675 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 164 Resp: 6461
Ion Ratio Lower Upper
164 100
166 134.9 97.7 146.5
129 106.2 77.0 115.4
131 93.5 75.0 112.6





#62

Toluene

Concen: 2.650 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

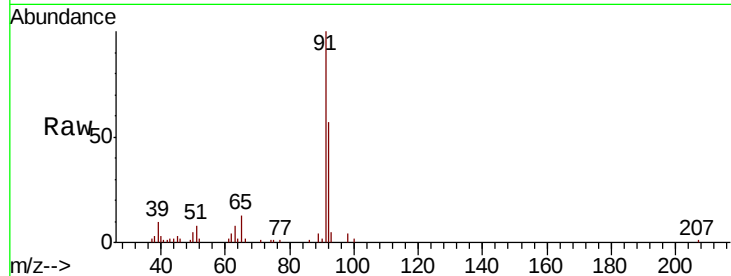
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 35457

Ion Ratio Lower Upper

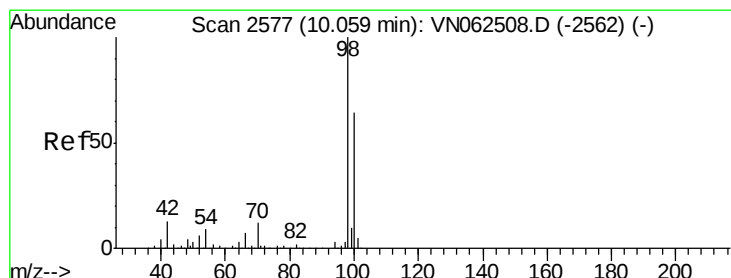
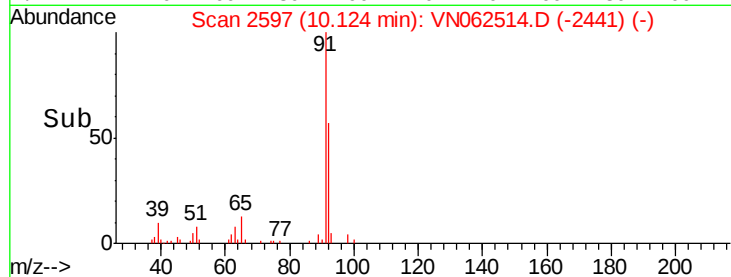
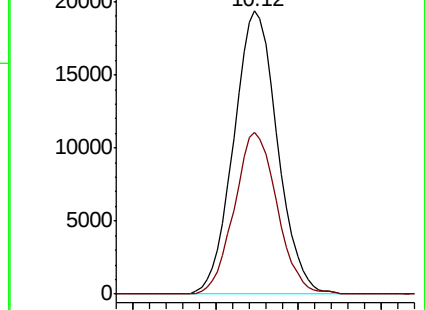
91 100

92 55.7 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-2583) (-)

Ion 92.00 (91.70 to 92.70): VN062508.D (-2583) (-)



#63

Toluene-d8

Concen: 30.312 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062514.D

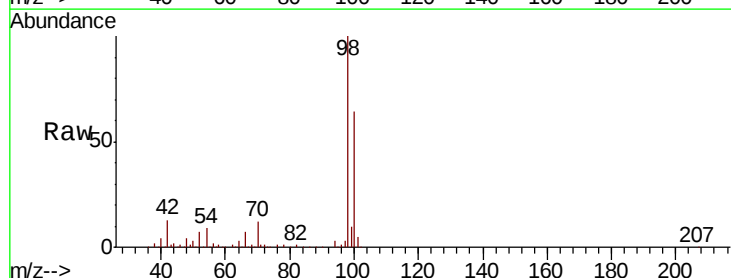
Acq: 13 Jul 2020 14:22

Tgt Ion: 98 Resp: 337804

Ion Ratio Lower Upper

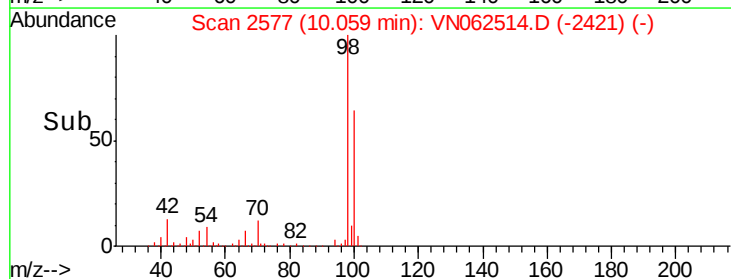
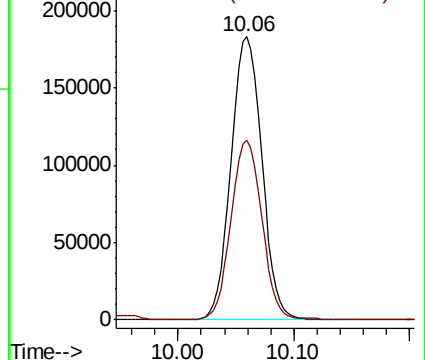
98 100

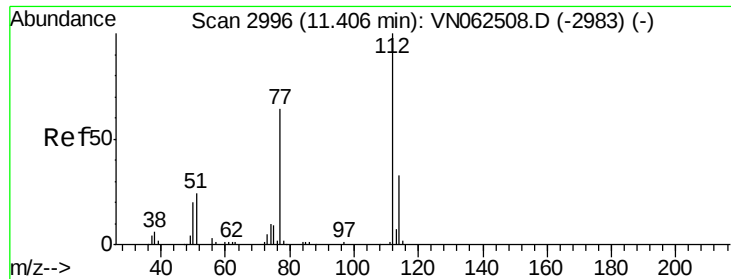
100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN062508.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062508.D (-2562) (-)





#64

Chlorobenzene

Concen: 2.640 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

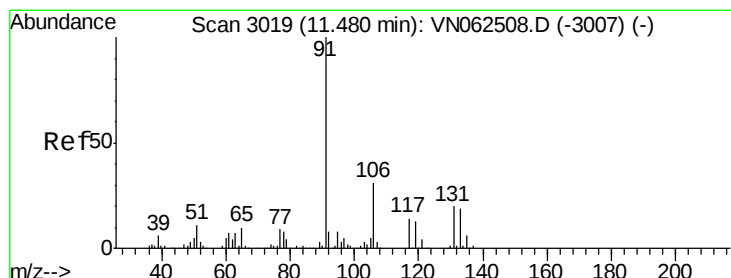
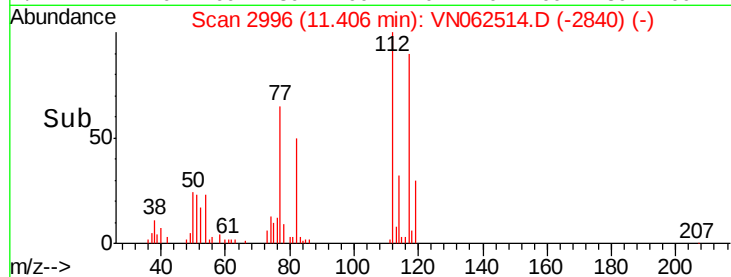
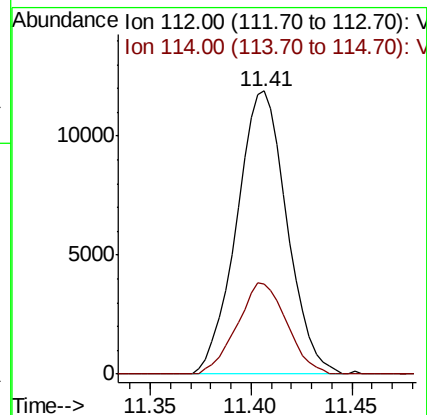
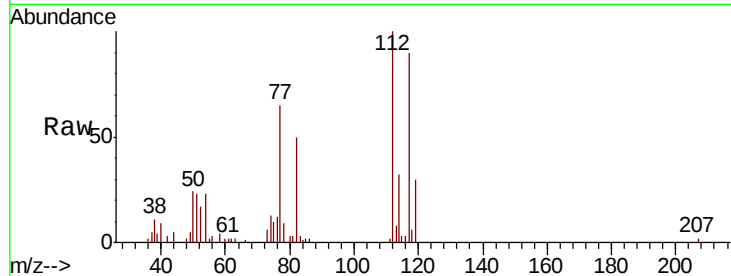
LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 20759

Ion Ratio Lower Upper

112 100

114 32.0 26.0 39.0



#65

1,1,1,2-Tetrachloroethane

Concen: 2.596 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

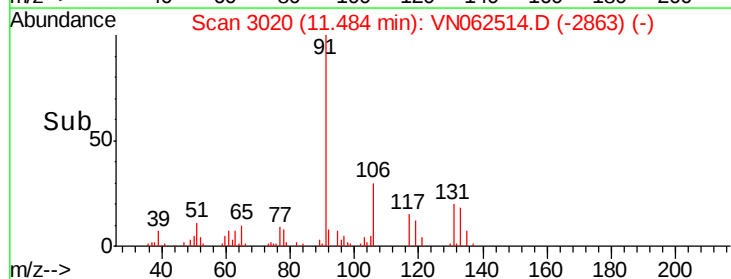
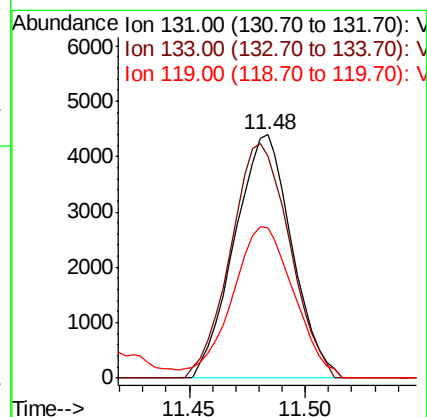
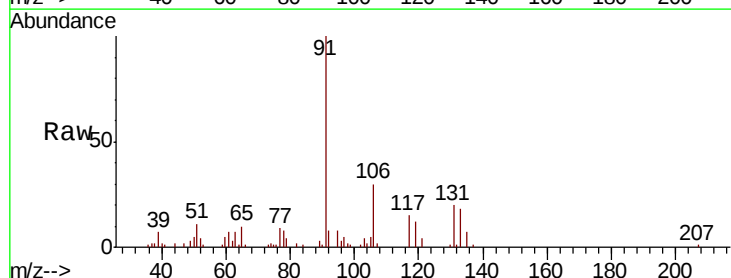
Tgt Ion:131 Resp: 7554

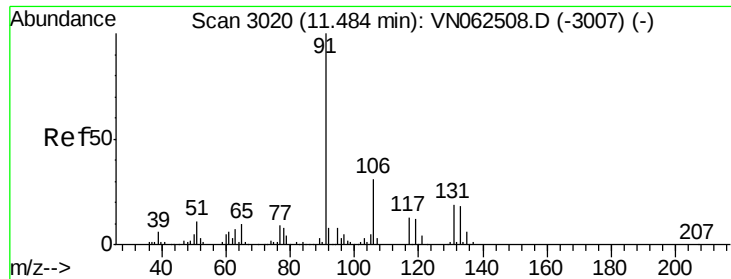
Ion Ratio Lower Upper

131 100

133 99.5 0.0 191.4

119 67.1 0.0 136.2

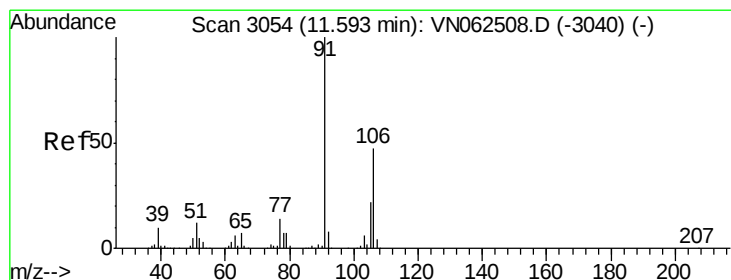
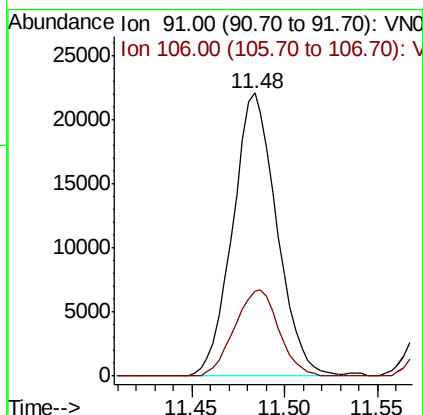
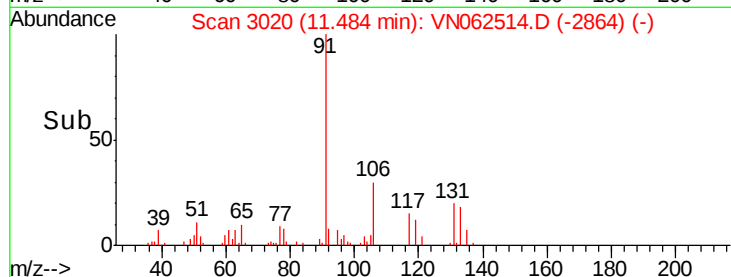
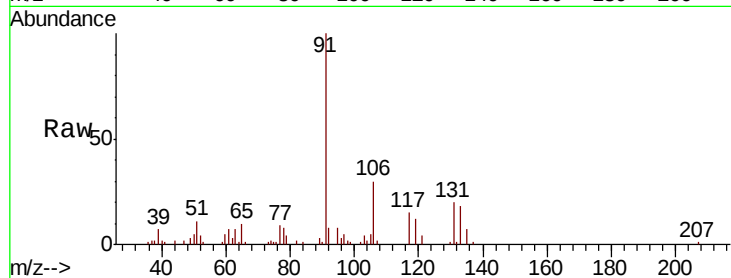




#66
Ethyl Benzene
Concen: 2.466 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

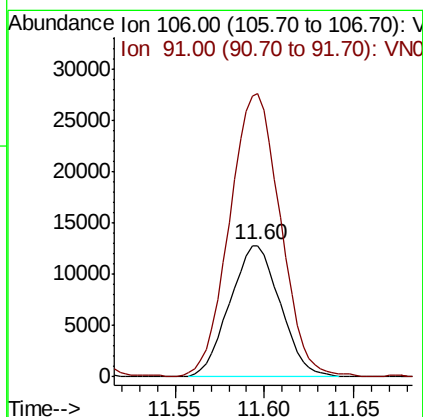
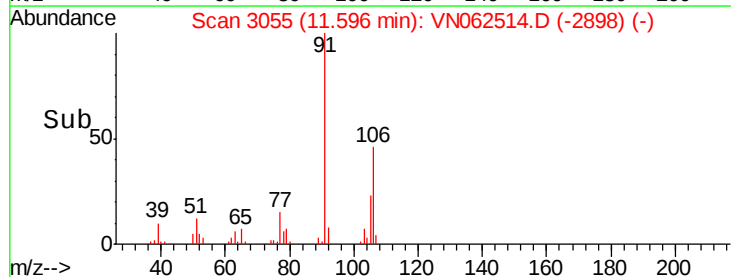
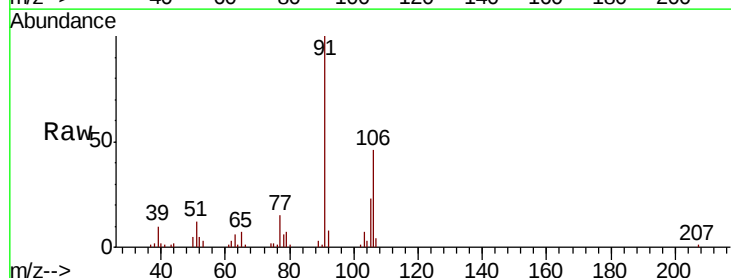
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

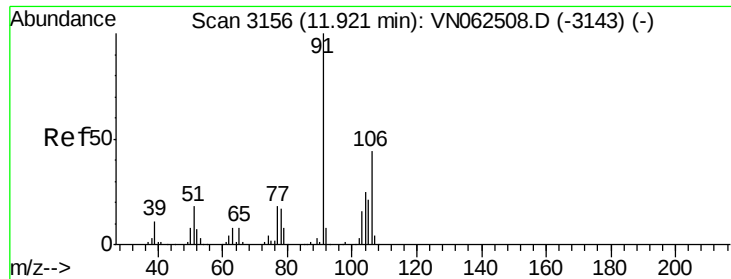
Tot Ion: 91 Resp: 36530
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#67
m/p-Xylenes
Concen: 4.704 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 106 Resp: 25299
Ion Ratio Lower Upper
106 100
91 217.1 170.7 256.1

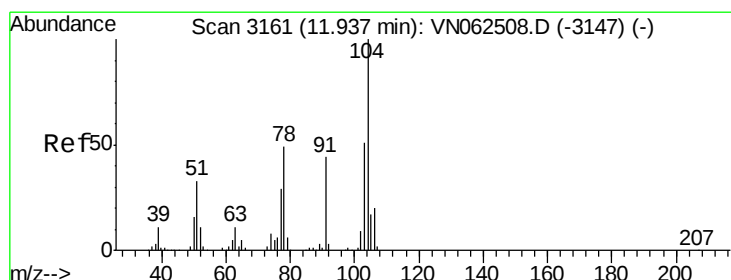
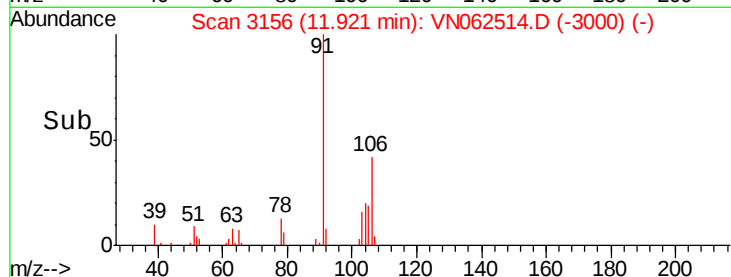
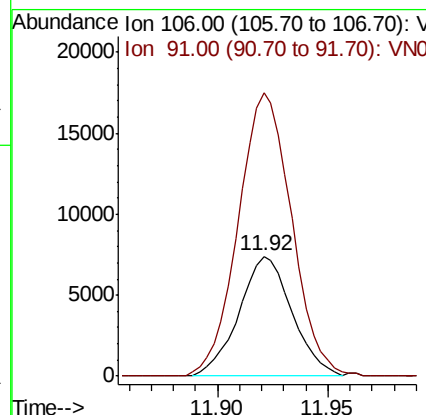
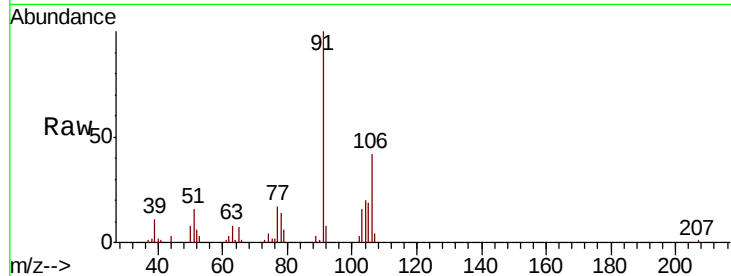




#68
o-Xylene
Concen: 2.399 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

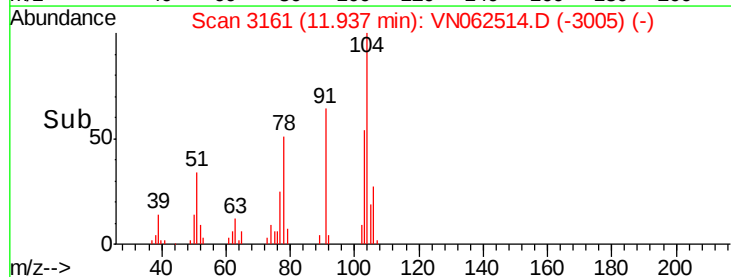
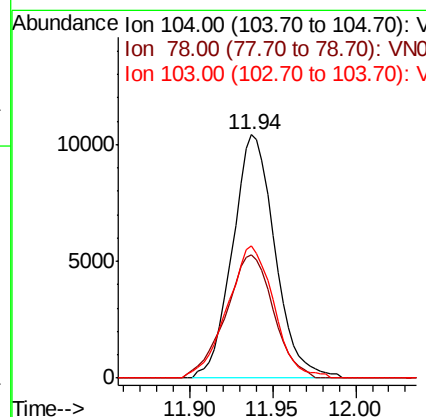
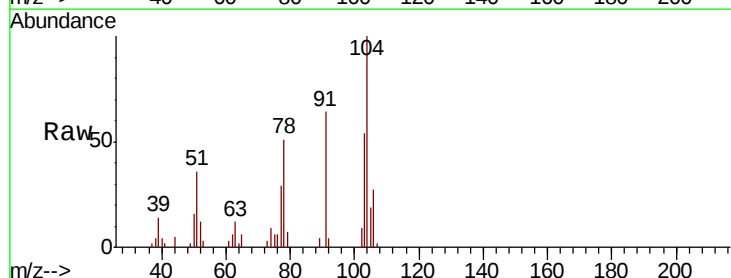
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

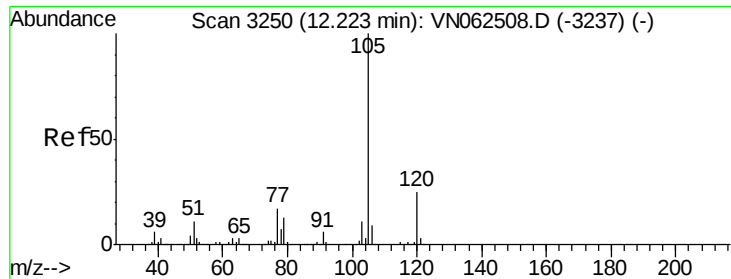
Tot Ion:106 Resp: 12381
Ion Ratio Lower Upper
106 100
91 237.5 113.9 341.6



#69
Styrene
Concen: 2.123 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:104 Resp: 18600
Ion Ratio Lower Upper
104 100
78 56.6 43.9 65.9
103 59.4 43.8 65.6





#70

Isopropylbenzene

Concen: 2.263 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

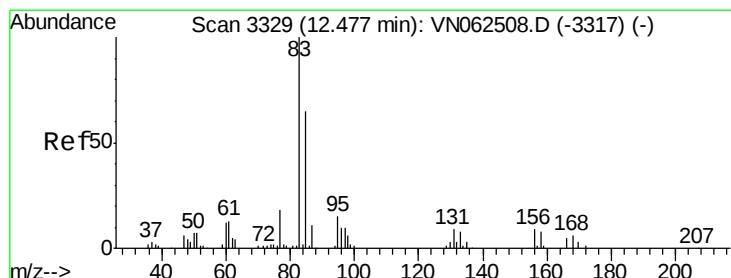
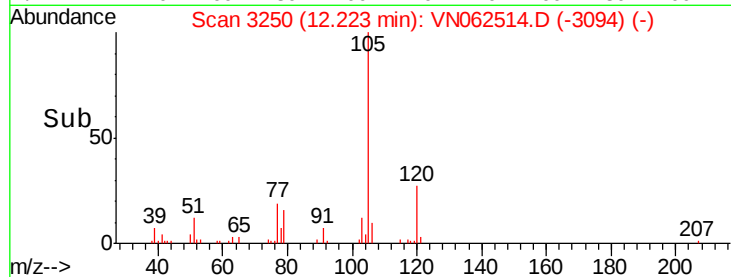
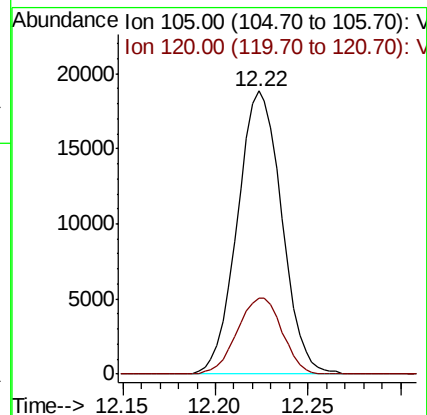
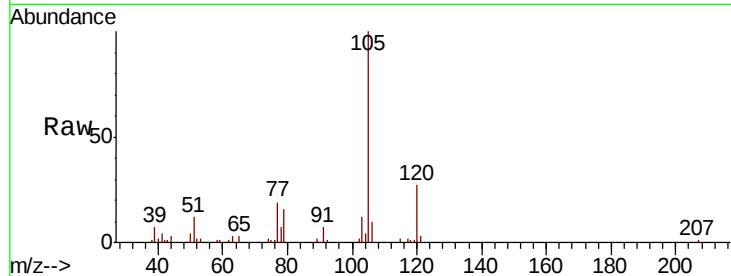
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 31350

Ion Ratio Lower Upper

105 100

120 27.1 17.6 32.8



#71

1,1,2,2-Tetrachloroethane

Concen: 2.639 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

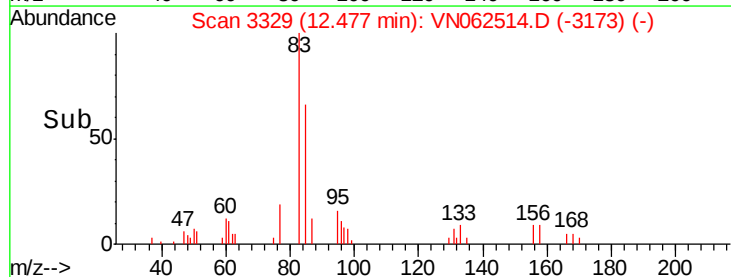
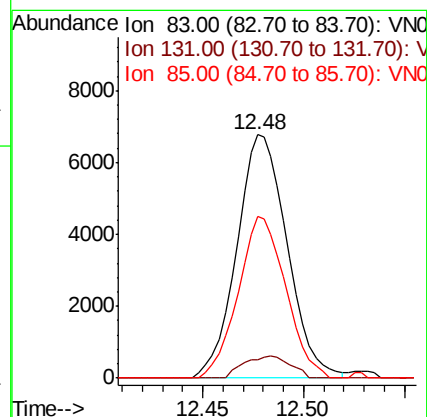
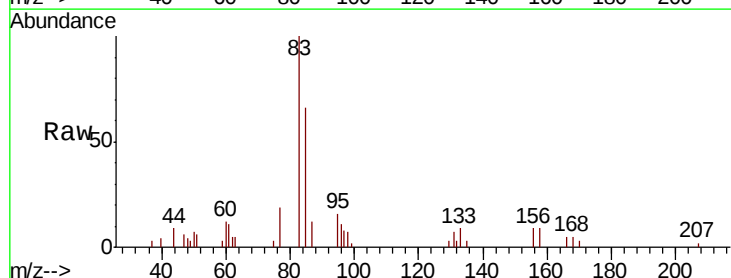
Tgt Ion: 83 Resp: 11818

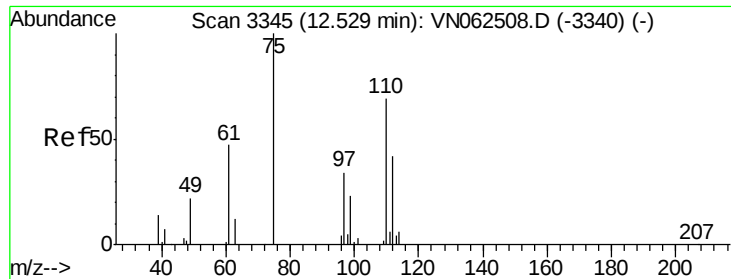
Ion Ratio Lower Upper

83 100

131 8.3 4.5 13.7

85 62.6 32.5 97.4





#72

1,2,3-Trichloropropane

Concen: 3.422 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

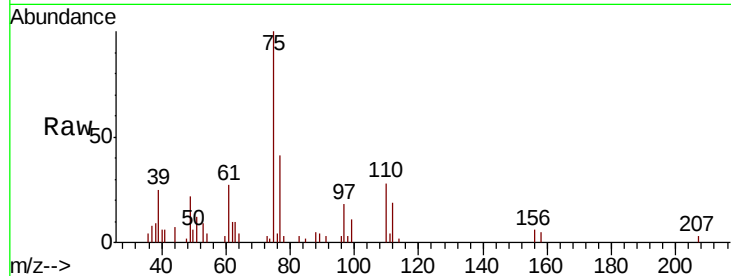
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 14906

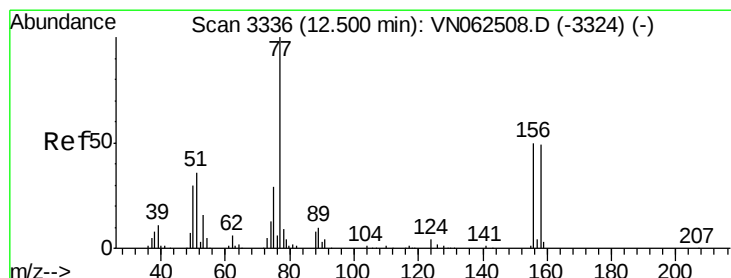
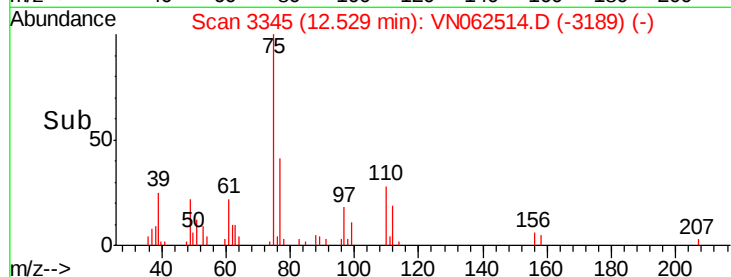
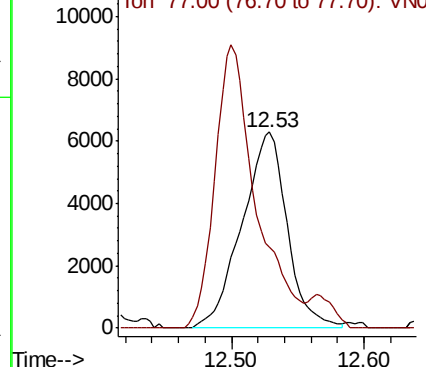
Ion Ratio Lower Upper

75 100

77 130.8 0.0 376.2



Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-3340) (-)



#73

Bromobenzene

Concen: 2.547 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

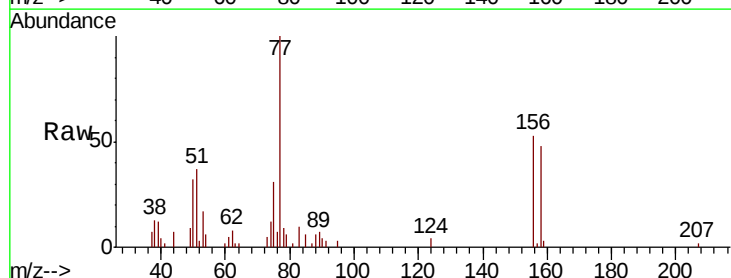
Tgt Ion: 156 Resp: 8172

Ion Ratio Lower Upper

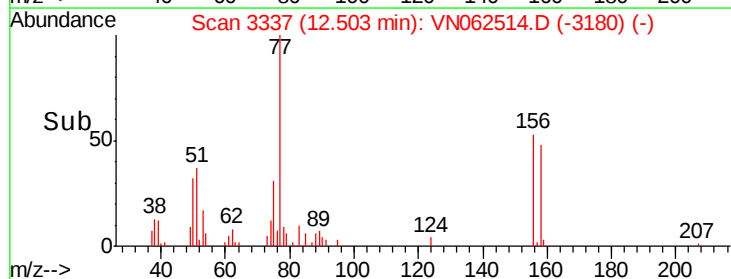
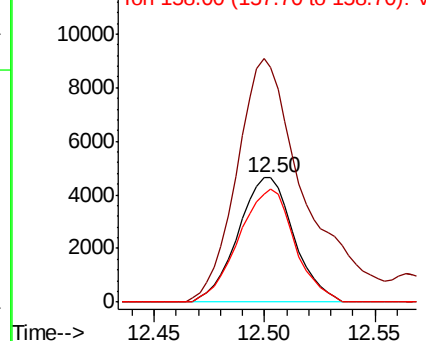
156 100

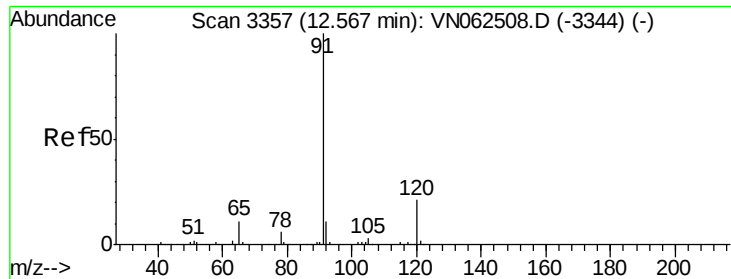
77 238.6 0.0 485.0

158 90.9 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): VN062508.D (-3324) (-)





#74

n-propylbenzene

Concen: 2.291 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

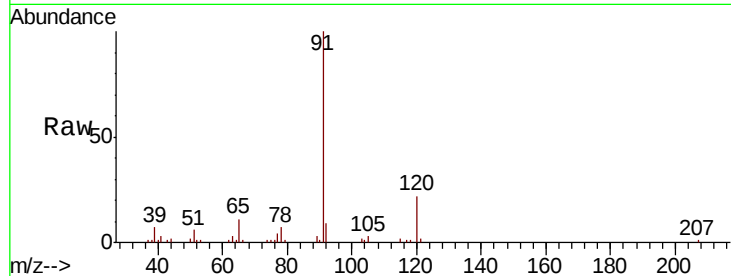
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 37734

Ion Ratio Lower Upper

91 100

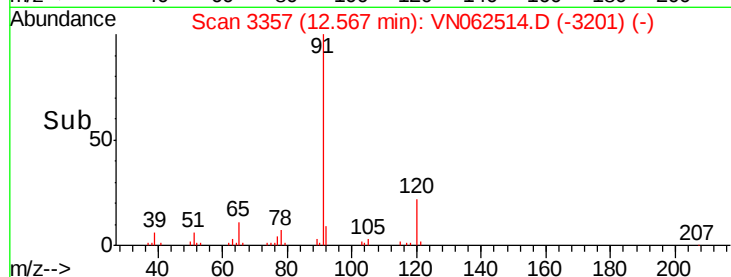
120 21.1 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN062508.D (-3344) (-)

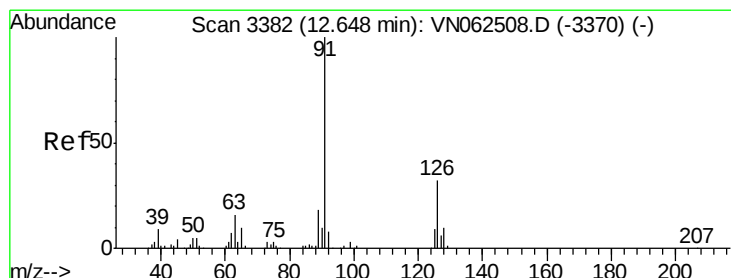
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN062514.D (-3201) (-)

Ion 120.00 (119.70 to 120.70): VN062514.D (-3201) (-)

Time-->



#75

2-Chlorotoluene

Concen: 2.437 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062514.D

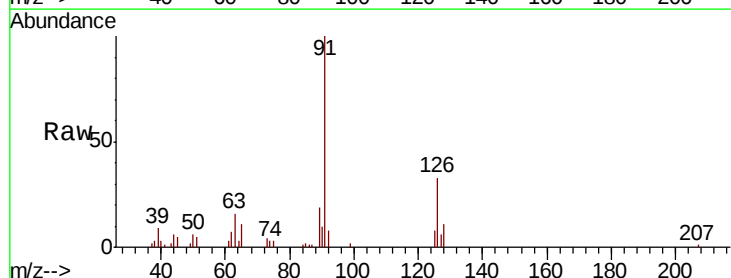
Acq: 13 Jul 2020 14:22

Tgt Ion: 91 Resp: 24161

Ion Ratio Lower Upper

91 100

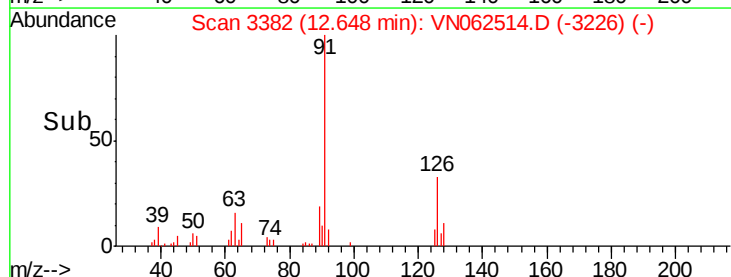
126 30.8 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062508.D (-3370) (-)

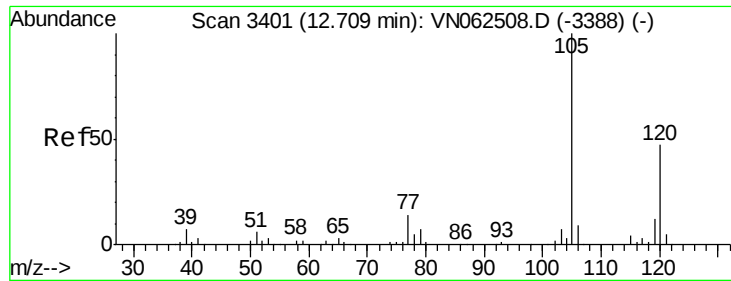
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN062514.D (-3226) (-)

Ion 126.00 (125.70 to 126.70): VN062514.D (-3226) (-)

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 2.296 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

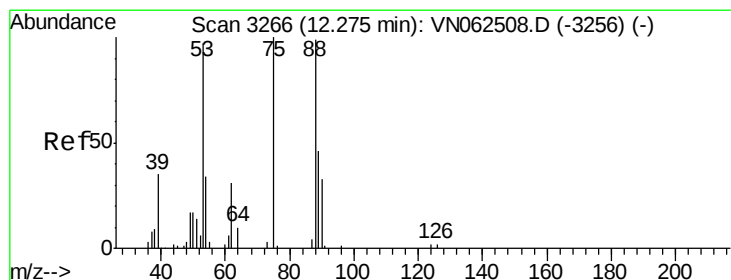
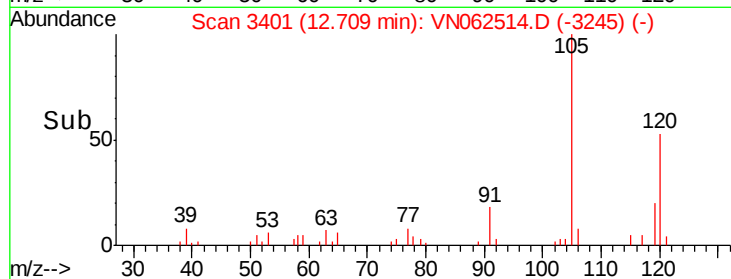
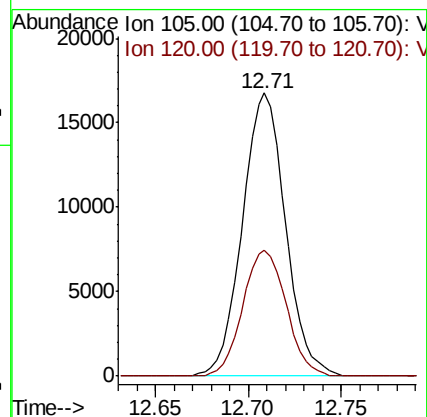
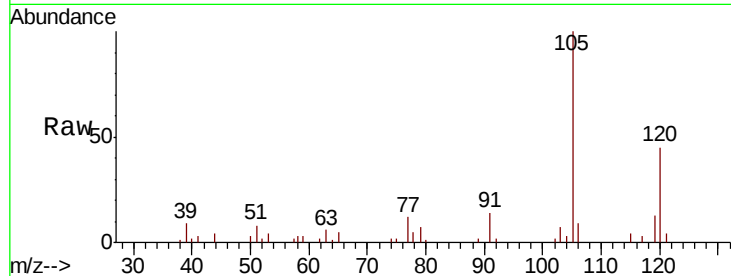
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 27103

Ion Ratio Lower Upper

105 100

120 44.7 0.0 95.0



#77

t-1,4-Dichloro-2-butene

Concen: 2.145 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

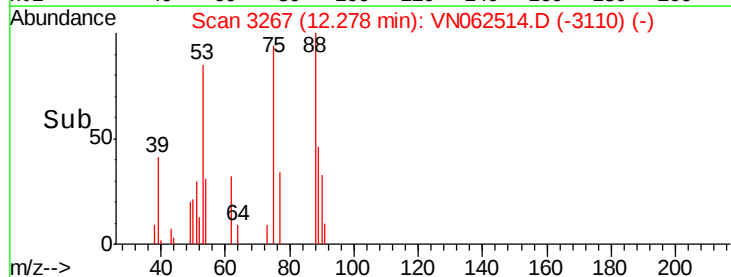
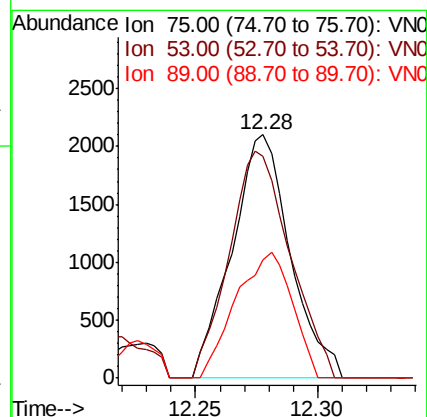
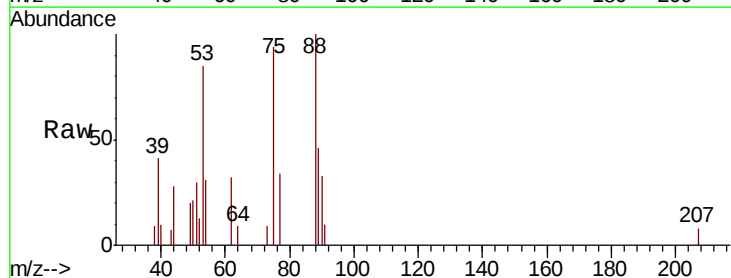
Tgt Ion: 75 Resp: 3494

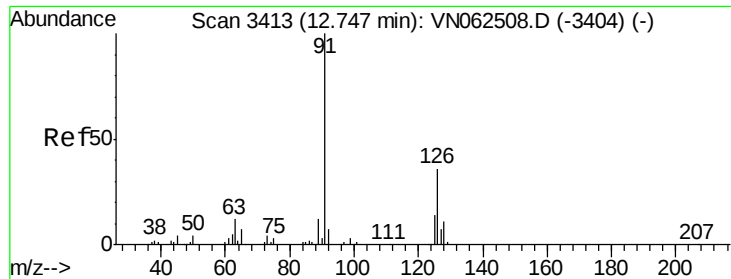
Ion Ratio Lower Upper

75 100

53 91.2 48.3 144.8

89 48.7 23.3 69.8

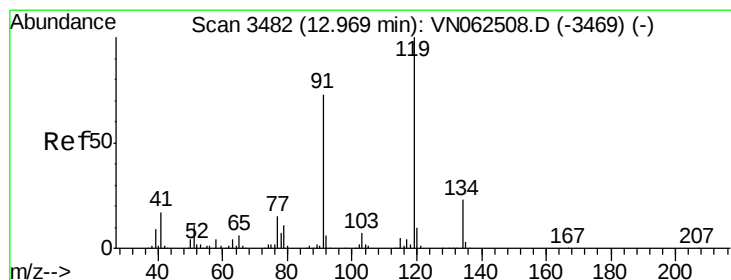
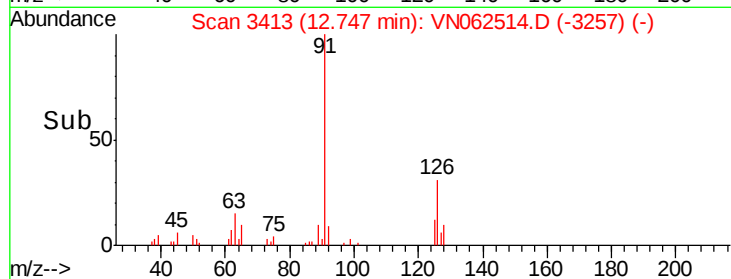
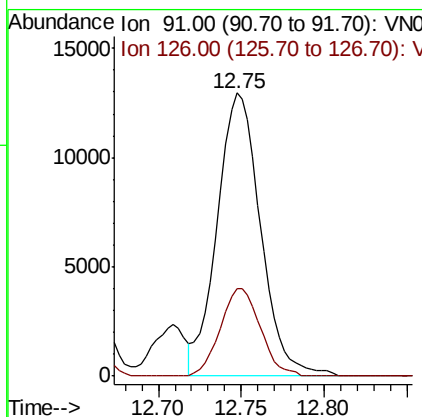
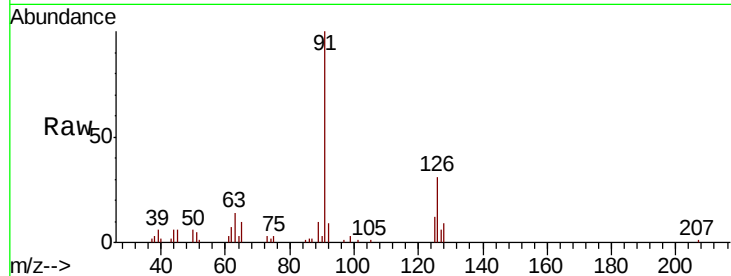




#78
4-Chlorotoluene
Concen: 2.332 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

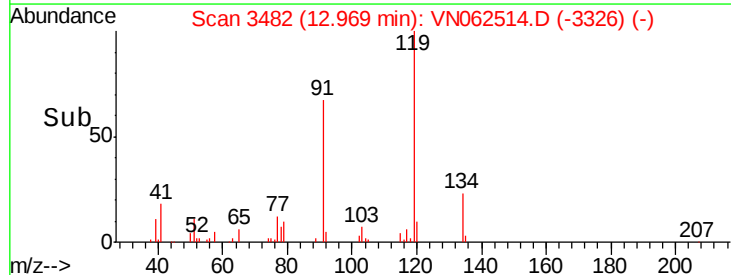
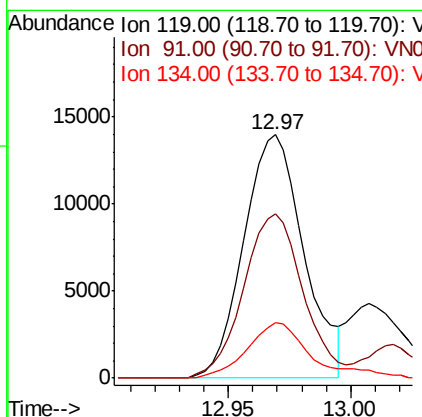
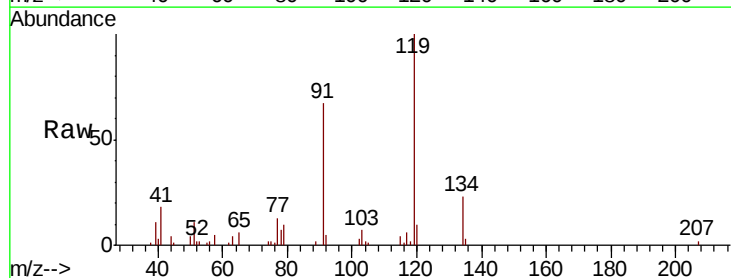
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

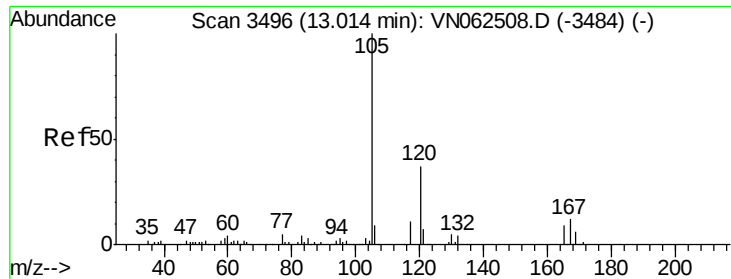
Tot Ion: 91 Resp: 23594
Ion Ratio Lower Upper
91 100
126 28.4 0.0 62.2



#79
tert-butylbenzene
Concen: 2.448 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 119 Resp: 23930
Ion Ratio Lower Upper
119 100
91 66.7 0.0 139.8
134 24.1 0.0 45.0

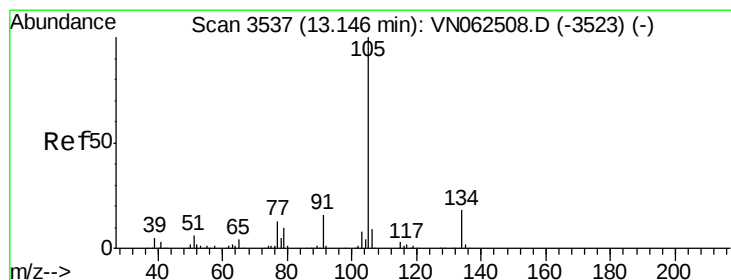
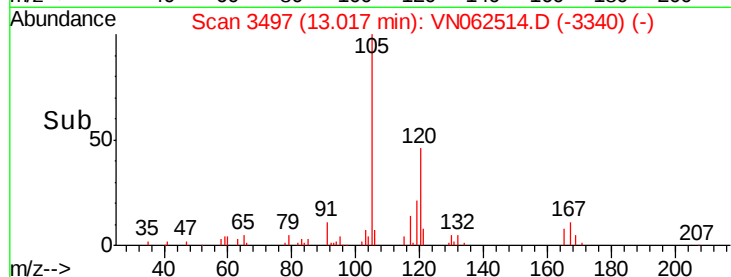
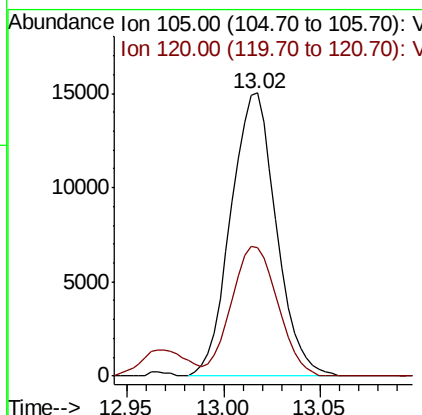
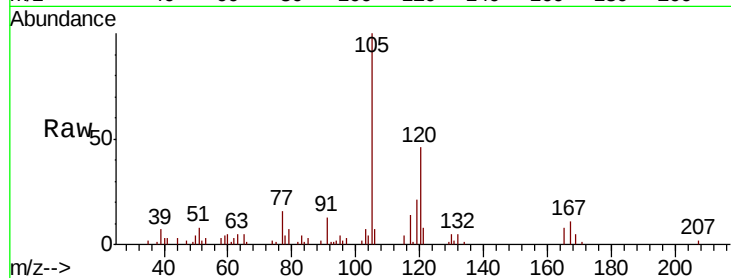




#80
 1,2,4-Trimethylbenzene
 Concen: 2.116 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

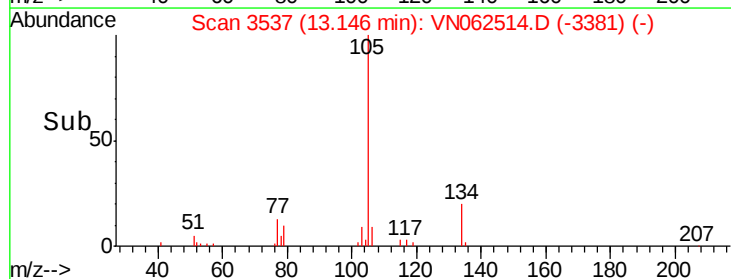
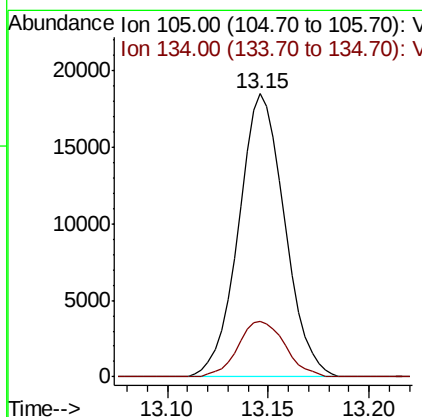
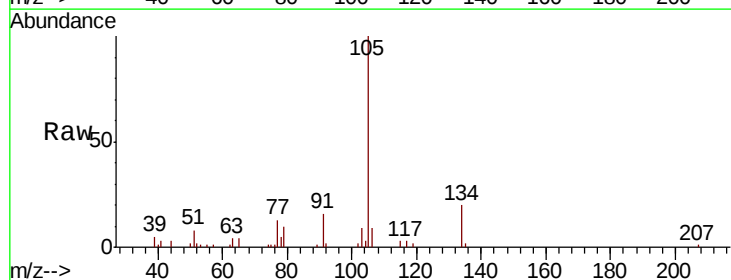
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

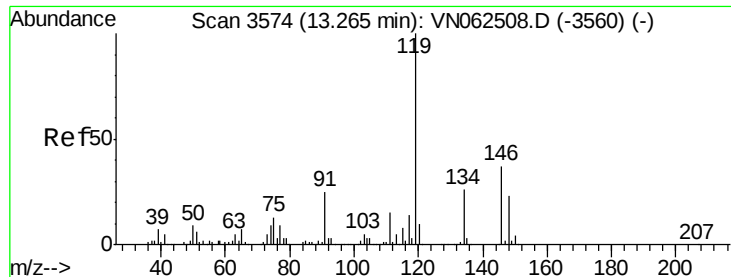
Tot Ion:105 Resp: 24571
 Ion Ratio Lower Upper
 105 100
 120 46.9 0.0 86.6



#81
 sec-Butylbenzene
 Concen: 2.254 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion:105 Resp: 29594
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 37.2

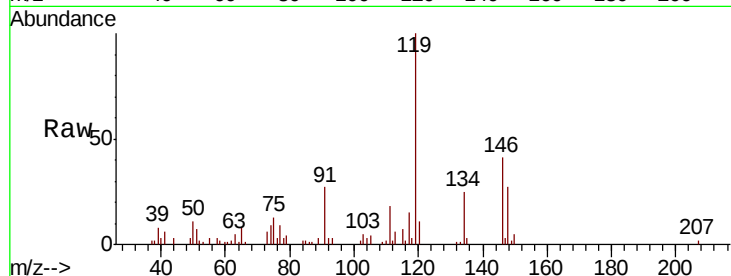




#82
 p-Isopropyltoluene
 Concen: 2.024 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	50.8
91	27.1	0.0	51.2

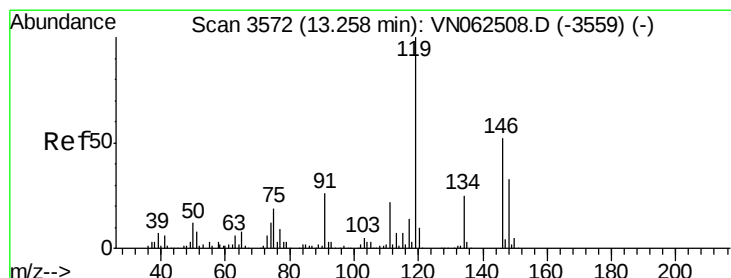
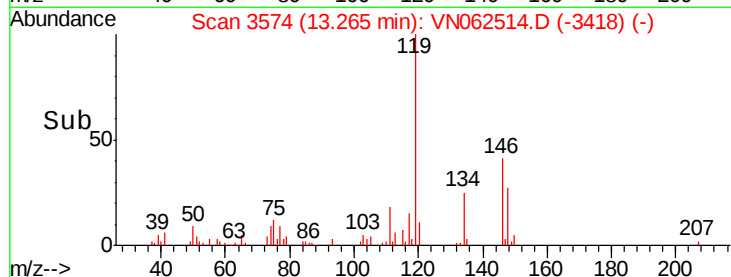
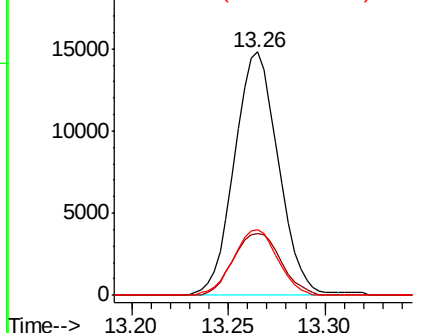


Abundance

Ion 119.00 (118.70 to 119.70): V

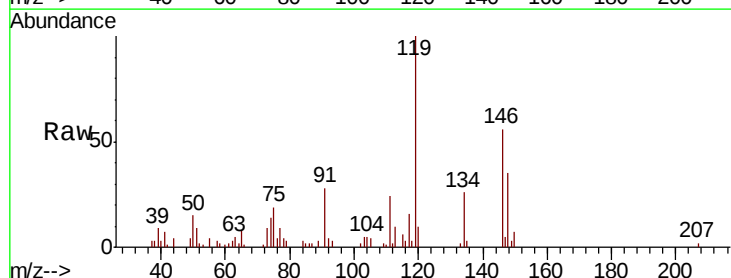
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83
 1,3-Dichlorobenzene
 Concen: 2.120 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.0	63.0
148	64.1	31.7	95.1

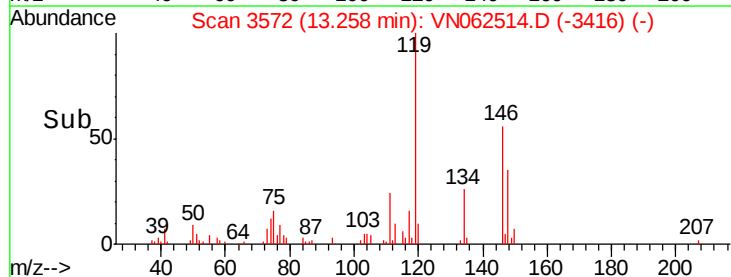
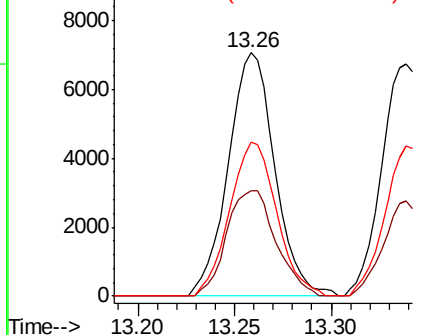


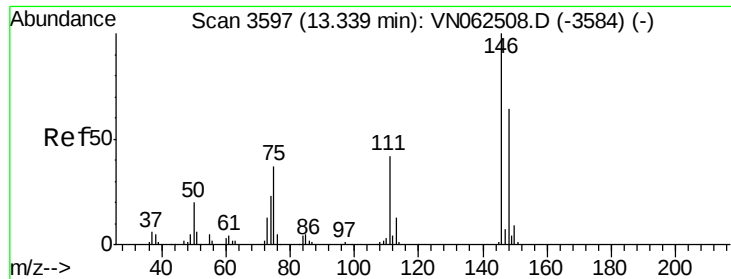
Abundance

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





#84

1,4-Dichlorobenzene

Concen: 2.220 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

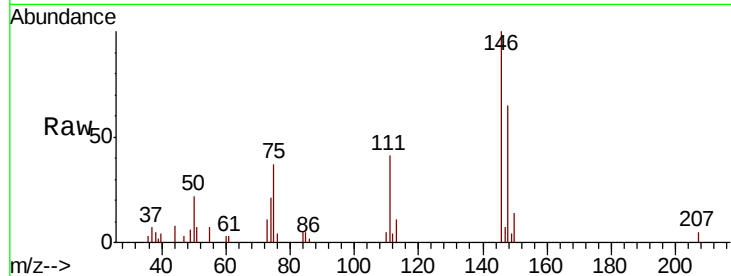
Tot Ion:146 Resp: 12204

Ion Ratio Lower Upper

146 100

111 38.6 21.4 64.2

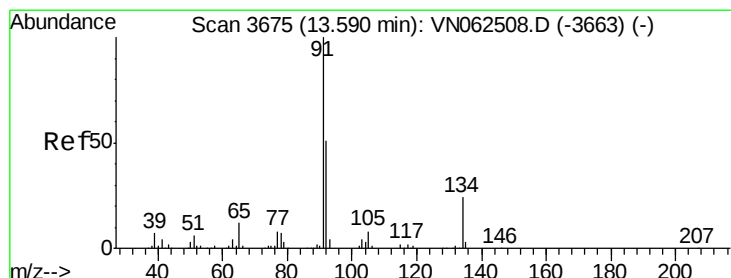
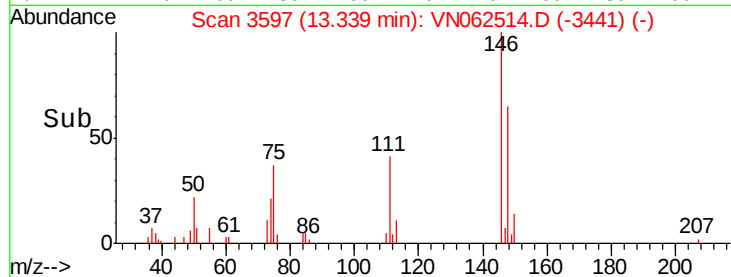
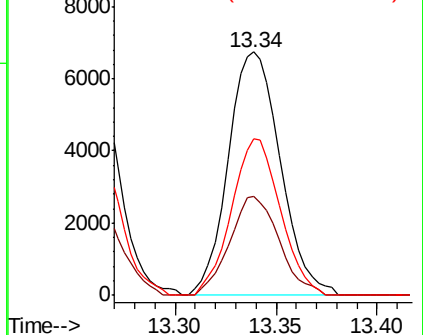
148 60.2 32.4 97.2



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



#85

n-Butylbenzene

Concen: 1.881 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

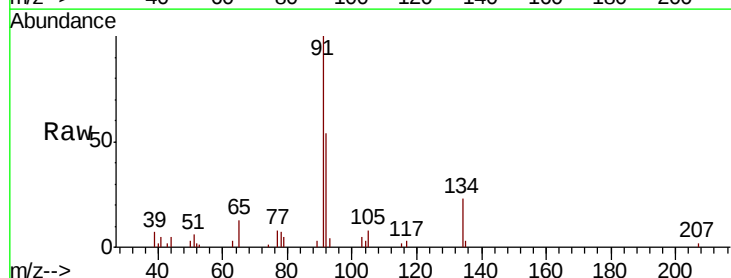
Tgt Ion: 91 Resp: 18690

Ion Ratio Lower Upper

91 100

92 51.8 0.0 102.4

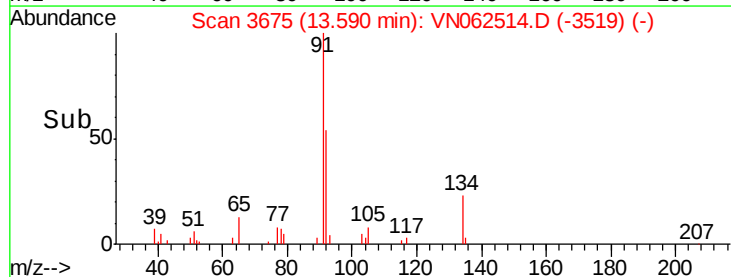
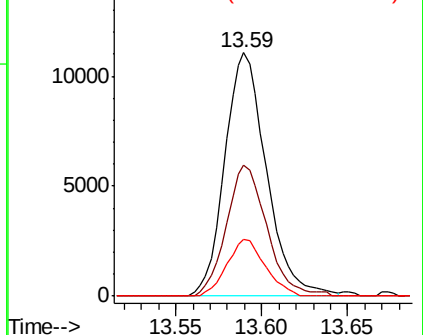
134 21.4 0.0 46.6

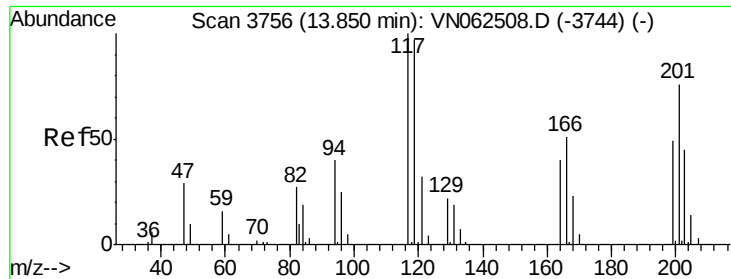


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

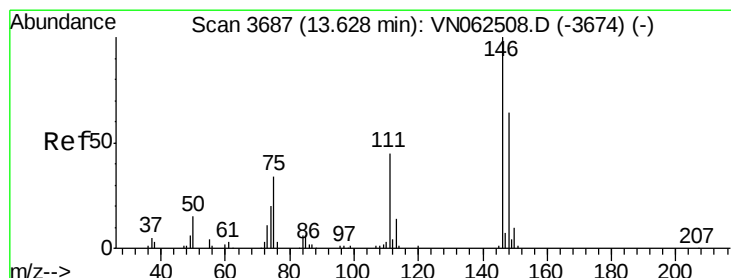
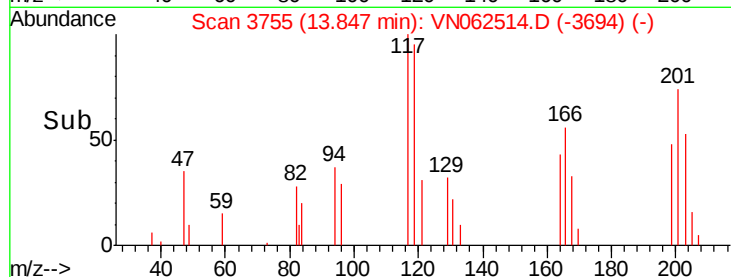
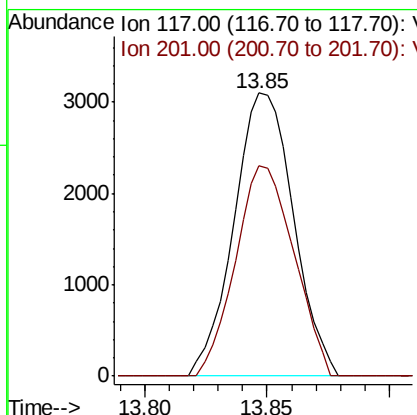
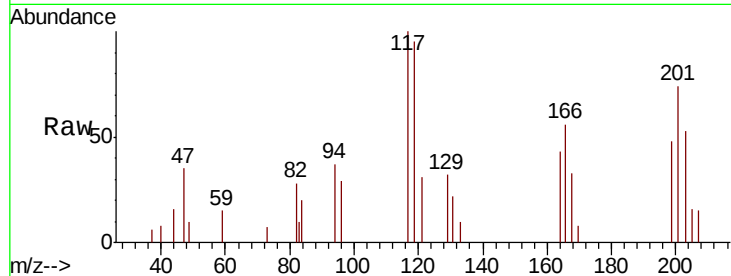




#86
Hexachloroethane
Concen: 2.348 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

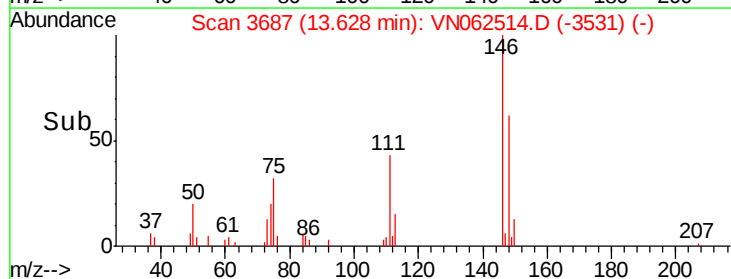
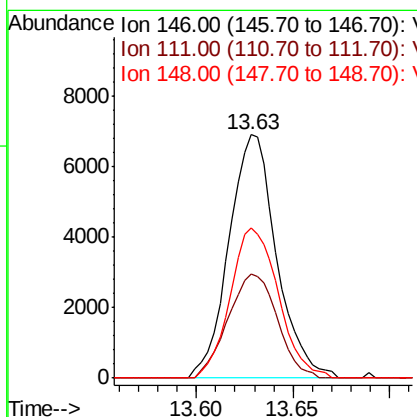
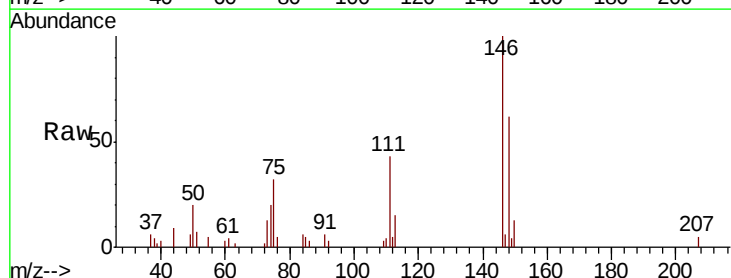
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

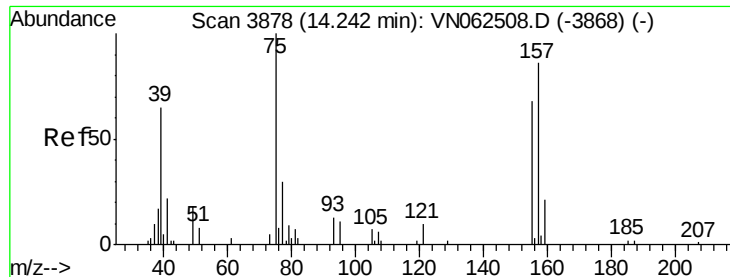
Tot Ion:117 Resp: 5248
Ion Ratio Lower Upper
117 100
201 72.9 37.4 112.2



#87
1,2-Dichlorobenzene
Concen: 2.205 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:146 Resp: 11814
Ion Ratio Lower Upper
146 100
111 44.3 22.4 67.0
148 62.4 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 2.109 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

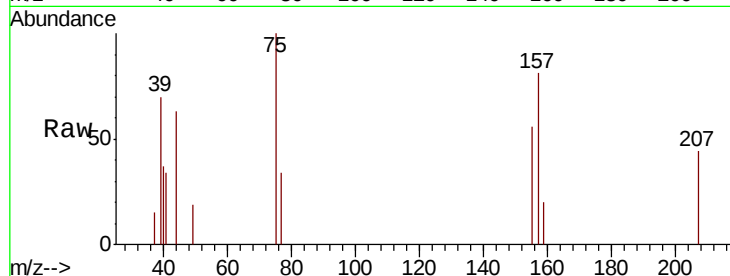
Tot Ion: 75 Resp: 1783

Ion Ratio Lower Upper

75 100

155 57.7 55.7 83.5

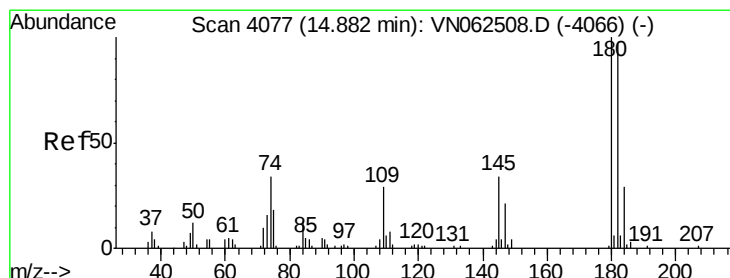
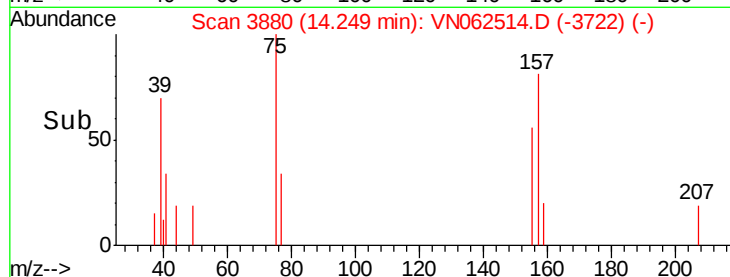
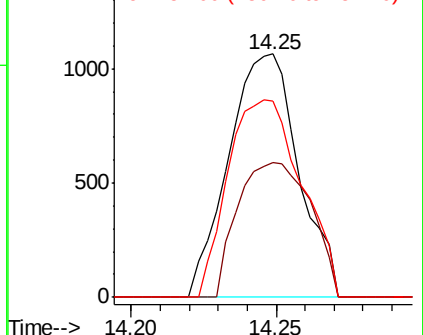
157 85.4 71.0 106.6



Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-3868) (-)

Ion 155.00 (154.70 to 155.70): VN062508.D (-3868) (-)

Ion 157.00 (156.70 to 157.70): VN062508.D (-3868) (-)



#89

1,2,4-Trichlorobenzene

Concen: 1.503 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

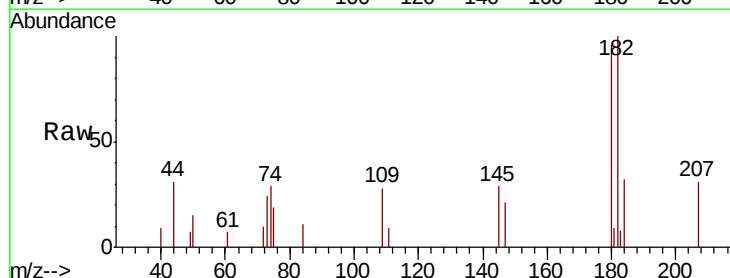
Tgt Ion: 180 Resp: 4008

Ion Ratio Lower Upper

180 100

182 98.9 77.5 116.3

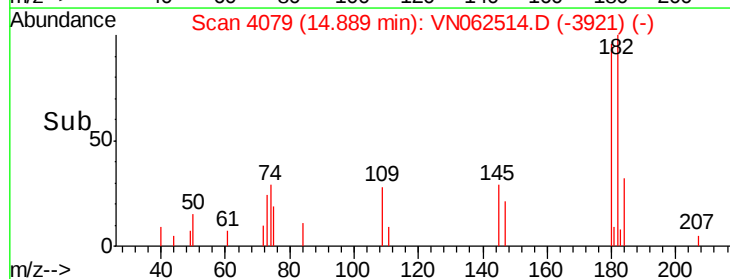
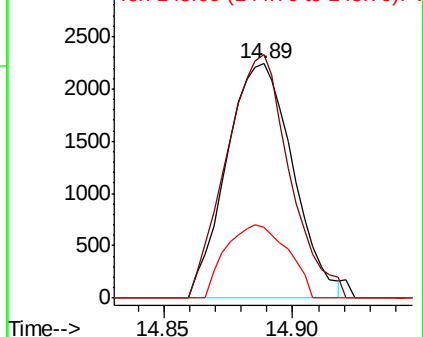
145 29.3 26.1 39.1

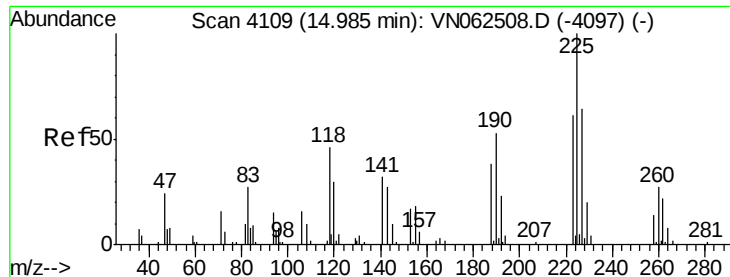


Abundance Ion 180.00 (179.70 to 180.70): VN062508.D (-4066) (-)

Ion 182.00 (181.70 to 182.70): VN062508.D (-4066) (-)

Ion 145.00 (144.70 to 145.70): VN062508.D (-4066) (-)

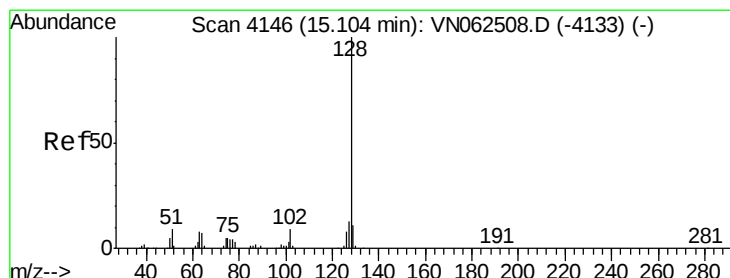
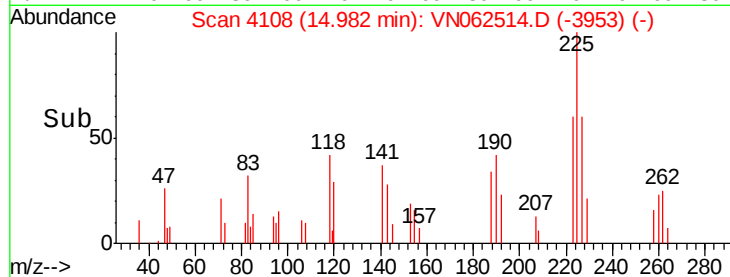
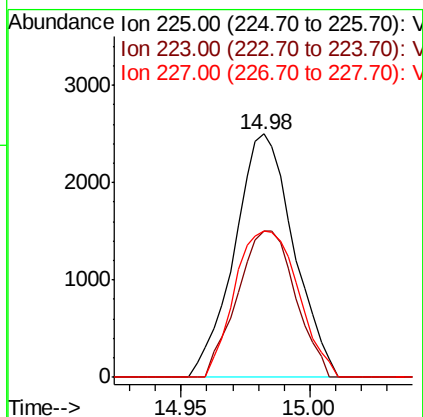
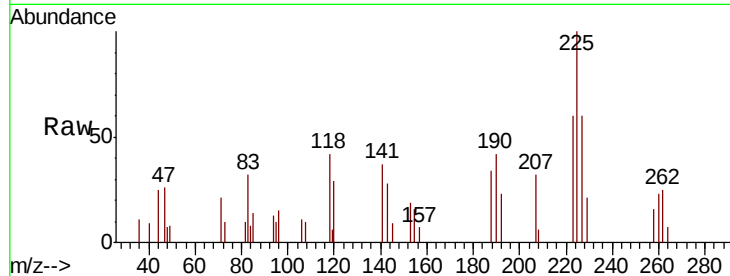




#90
Hexachlorobutadiene
Concen: 2.697 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

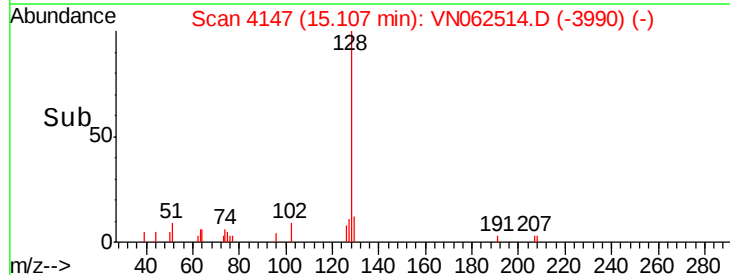
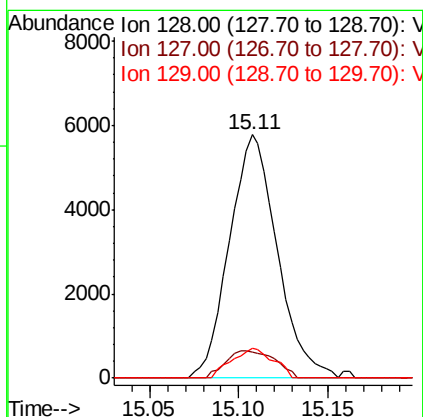
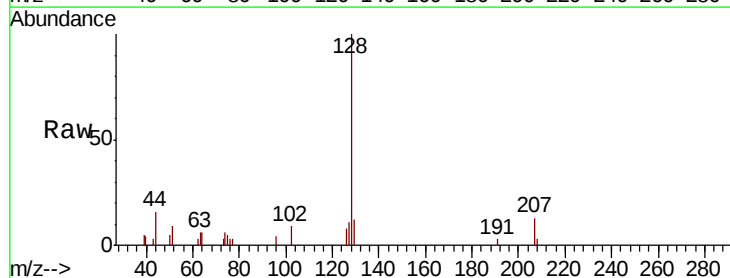
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

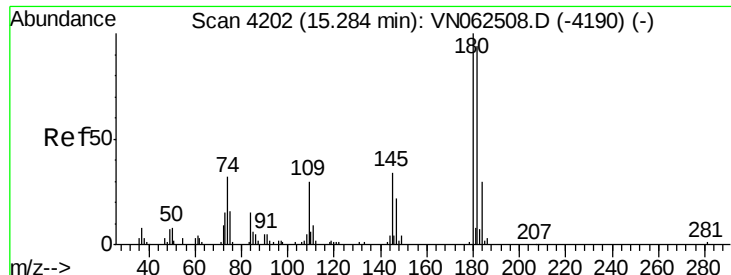
Tot Ion:225 Resp: 3990
Ion Ratio Lower Upper
225 100
223 58.9 0.0 120.4
227 64.4 0.0 129.6



#91
Naphthalene
Concen: 1.493 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:128 Resp: 10801
Ion Ratio Lower Upper
128 100
127 11.5 10.0 15.0
129 10.5 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 1.622 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:180 Resp: 4360
 Ion Ratio Lower Upper
 180 100
 182 102.3 0.0 187.2
 145 32.8 0.0 67.8

