

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062408.D
 Acq On : 8 Jul 2020 15:25
 Operator : JC/MD
 Sample : L3216-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 09 03:33:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	183077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	288966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	149784	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	7.55	113	104062	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.06	98	398745	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.38	95	130452	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1565	0.839	ug/l	98
3) Chloromethane	2.04	50	2729	0.912	ug/l	94
4) Vinyl Chloride	2.16	62	2115	0.863	ug/l #	88
5) Bromomethane	2.54	94	1482	1.126	ug/l	88
6) Chloroethane	2.67	64	987	0.691	ug/l #	78
7) Trichlorofluoromethane	2.98	101	2343	0.753	ug/l	84
8) Diethyl Ether	3.38	74	1028	0.738	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1391	0.754	ug/l	89
10) Methyl Iodide	3.90	142	494	0.203	ug/l #	26
11) Tert butyl alcohol	4.73	59	2186	4.680	ug/l #	74
12) 1,1-Dichloroethene	3.70	96	1486	0.791	ug/l	95
13) Acrolein	3.58	56	1318	3.911	ug/l #	73
14) Allyl chloride	4.27	41	3606	0.816	ug/l #	88
15) Acrylonitrile	4.95	53	4282	3.495	ug/l	97
16) Acetone	3.78	43	4906	4.104	ug/l	96
17) Carbon Disulfide	4.01	76	5639	0.958	ug/l #	94
18) Methyl Acetate	4.28	43	2805	0.940	ug/l #	79
19) Methyl tert-butyl Ether	4.99	73	5408	0.759	ug/l	98
20) Methylene Chloride	4.50	84	2331	0.912	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	1620	0.796	ug/l	82
22) Diisopropyl ether	5.90	45	6726	0.770	ug/l	97
23) Vinyl Acetate	5.85	43	25654	3.547	ug/l	96
24) 1,1-Dichloroethane	5.79	63	1287	0.285	ug/l #	85
25) 2-Butanone	6.79	43	6267	3.589	ug/l	95
26) 2,2-Dichloropropane	6.78	77	3145	0.909	ug/l #	70
27) cis-1,2-Dichloroethene	6.79	96	1933	0.820	ug/l	92
28) Bromochloromethane	7.15	49	1861	0.759	ug/l #	93
29) Tetrahydrofuran	7.17	42	4323	3.678	ug/l #	87
30) Chloroform	7.33	83	2960	0.727	ug/l	98
31) Cyclohexane	7.62	56	7871	1.840	ug/l #	16
32) 1,1,1-Trichloroethane	7.53	97	2579	0.761	ug/l #	53
36) 1,1-Dichloropropene	7.76	75	2488	0.766	ug/l	94
37) Ethyl Acetate	6.88	43	861	0.227	ug/l #	70
38) Carbon Tetrachloride	7.73	117	2427	0.831	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2713	0.783	ug/l	98
40) Benzene	8.00	78	7671	0.802	ug/l	97
41) Methacrylonitrile	7.13	41	142	0.090	ug/l #	1
42) 1,2-Dichloroethane	8.09	62	2936	0.838	ug/l #	78
43) Isopropyl Acetate	8.13	43	4267	0.711	ug/l #	88
44) Trichloroethene	8.81	130	1714	0.807	ug/l	97
45) 1,2-Dichloropropane	9.08	63	1958	0.705	ug/l #	87
46) Dibromomethane	9.17	93	1280	0.816	ug/l	93
47) Bromodichloromethane	9.37	83	2611	0.779	ug/l #	87
48) Methyl methacrylate	9.17	41	2164	0.736	ug/l	94
49) 1,4-Dioxane	9.17	88	598	13.964	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	12655	3.532	ug/l	98
52) Toluene	10.12	92	4585	0.829	ug/l	91
53) t-1,3-Dichloropropene	10.35	75	2605	0.694	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	2938	0.709	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	1559	0.717	ug/l	99
56) Ethyl methacrylate	10.40	69	2400	0.661	ug/l	97
57) 1,3-Dichloropropane	10.68	76	2794	0.696	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.67	63	3748	2.906	ug/l	91
59) 2-Hexanone	10.73	43	8742	3.361	ug/l	93
60) Dibromochloromethane	10.88	129	1409	0.598	ug/l	97
61) 1,2-Dibromoethane	10.98	107	1538	0.701	ug/l	98
64) Tetrachloroethene	10.61	164	1465	0.854	ug/l #	83
65) Chlorobenzene	11.40	112	4650	0.828	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1517	0.732	ug/l #	54
67) Ethyl Benzene	11.48	91	7766	0.737	ug/l	99
68) m/p-Xylenes	11.59	106	5228	1.401	ug/l	99
69) o-Xylene	11.92	106	2427	0.668	ug/l	86
70) Styrene	11.94	104	3602	0.600	ug/l	93
71) Bromoform	12.10	173	1086	0.715	ug/l #	88
73) Isopropylbenzene	12.22	105	6582	0.788	ug/l	97
74) N-amyl acetate	12.05	43	2989	0.735	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.48	83	2600	0.926	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	3317	1.252	ug/l #	100
77) Bromobenzene	12.50	156	1692	0.891	ug/l	97
78) n-propylbenzene	12.57	91	7911	0.811	ug/l	98
79) 2-Chlorotoluene	12.65	91	5184	0.875	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	5489	0.801	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	70304	71.030	ug/l #	10
82) 4-Chlorotoluene	12.75	91	5371	0.893	ug/l	95
83) tert-Butylbenzene	12.97	119	4501	0.774	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	5085	0.747	ug/l	95
85) sec-Butylbenzene	13.15	105	5785	0.751	ug/l	99
86) p-Isopropyltoluene	13.26	119	4618	0.695	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2776	0.847	ug/l	89
88) 1,4-Dichlorobenzene	13.26	146	2776	0.823	ug/l	90
89) n-Butylbenzene	13.59	91	4153	0.708	ug/l	92
90) Hexachloroethane	13.84	117	1036	0.792	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	2399	0.757	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	127	0.248	ug/l	75

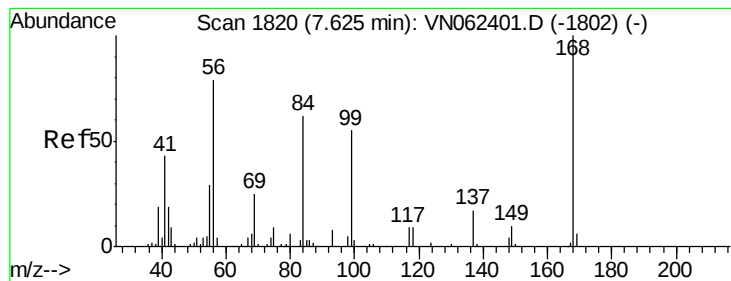
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	745	0.522	ug/l	86
94) Hexachlorobutadiene	14.99	225	734	0.873	ug/l	77
95) Naphthalene	15.11	128	2586	0.642	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.28	180	510	0.343	ug/l #	22

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

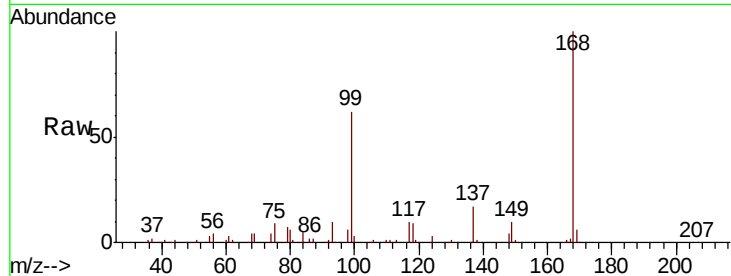
LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 183077

Ion Ratio Lower Upper

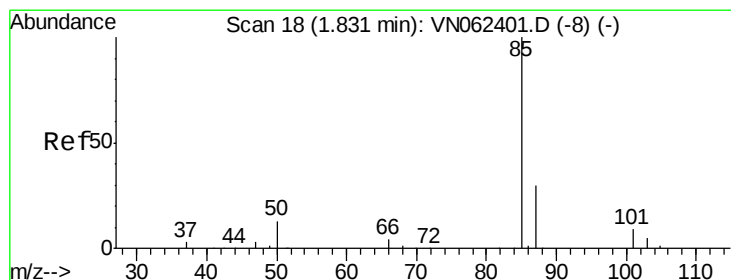
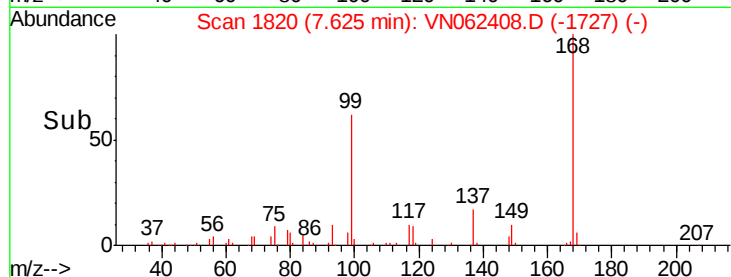
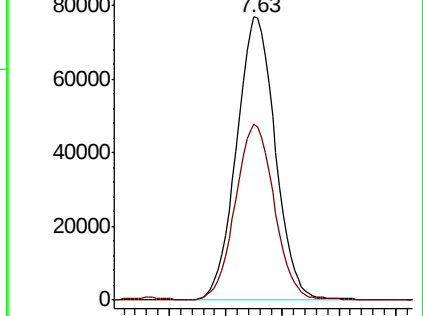
168 100

99 62.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.839 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062408.D

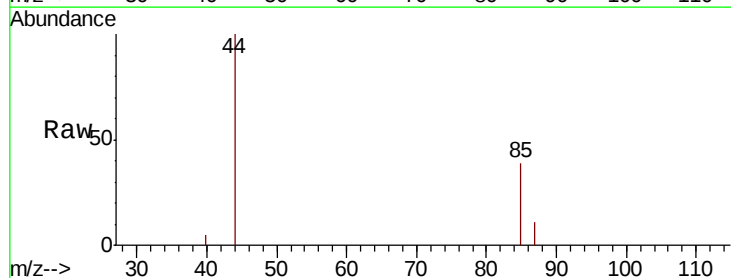
Acq: 8 Jul 2020 15:25

Tgt Ion: 85 Resp: 1565

Ion Ratio Lower Upper

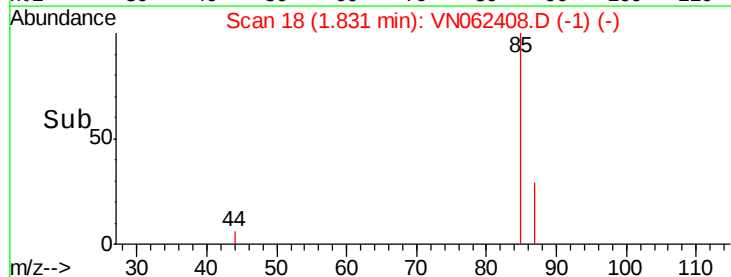
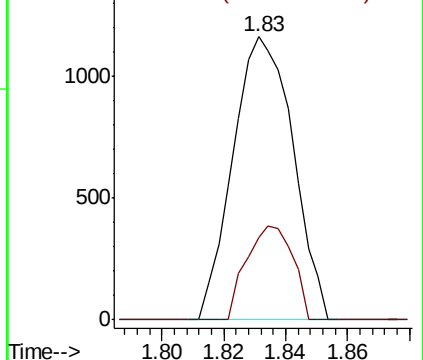
85 100

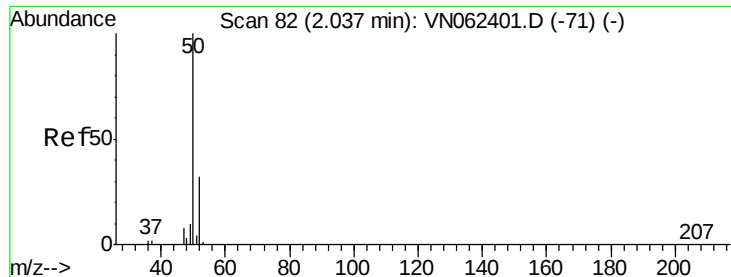
87 29.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 0.912 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

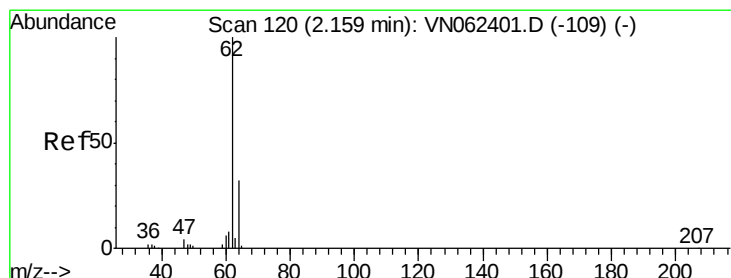
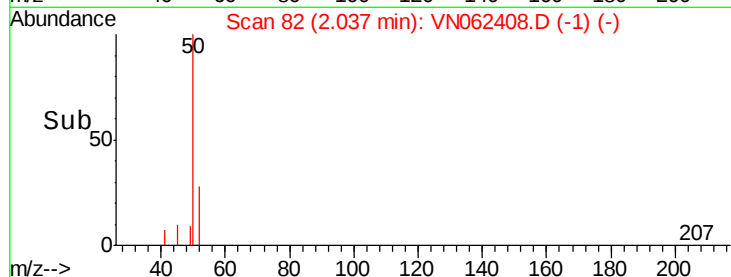
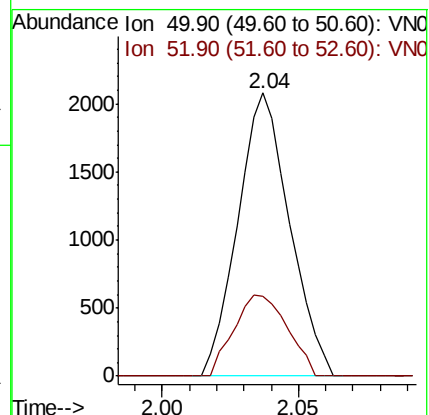
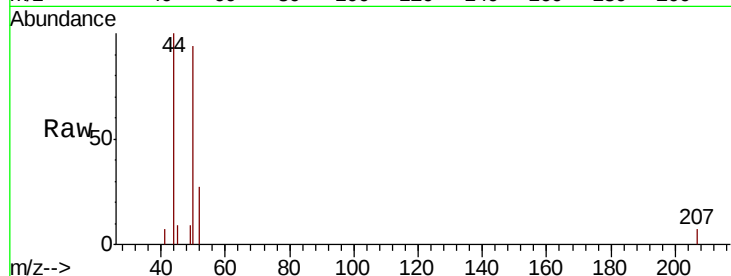
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 2729

Ion Ratio Lower Upper

50 100

52 28.4 25.5 38.3



#4

Vinyl Chloride

Concen: 0.863 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062408.D

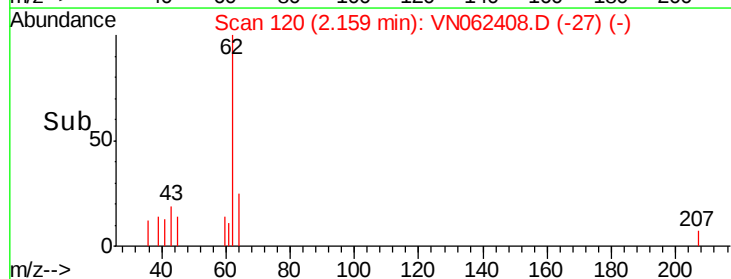
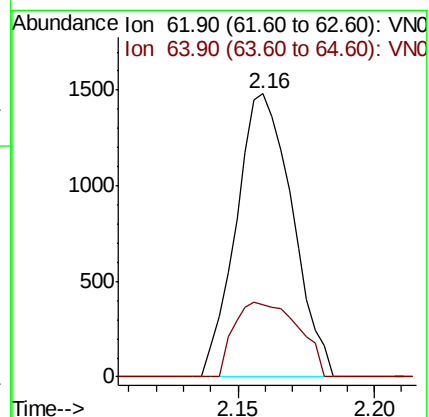
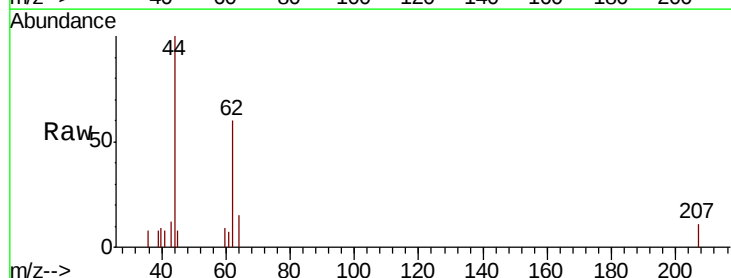
Acq: 8 Jul 2020 15:25

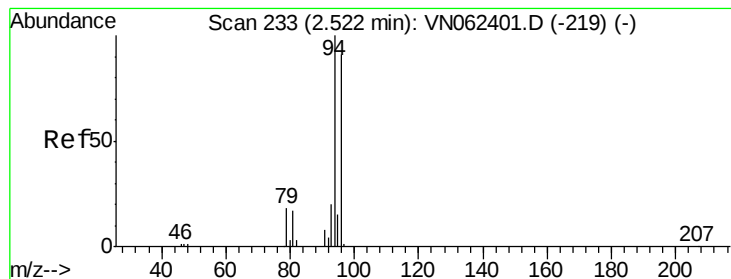
Tgt Ion: 62 Resp: 2115

Ion Ratio Lower Upper

62 100

64 25.5 25.7 38.5#





#5

Bromomethane

Concen: 1.126 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

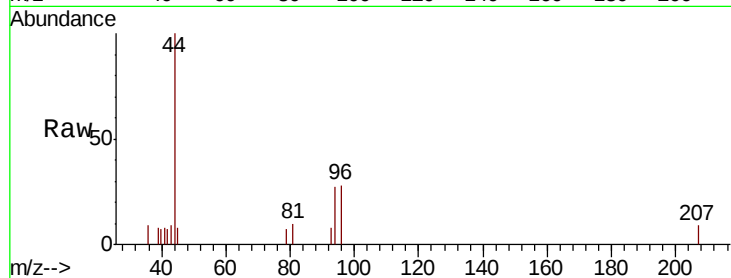
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 1482

Ion Ratio Lower Upper

94 100

96 103.1 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

800

600

400

200

0

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

2.78

2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

2.91

2.92

2.93

2.94

2.95

2.96

2.97

2.98

2.99

3.00

3.01

3.02

3.03

3.04

3.05

3.06

3.07

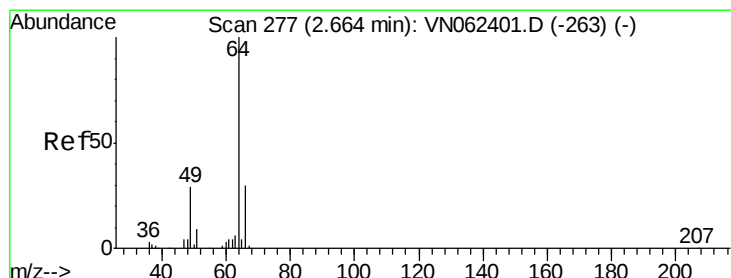
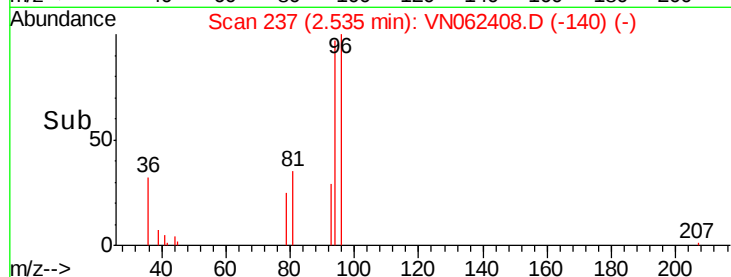
3.08

3.09

3.10

3.11

3.12



#6

Chloroethane

Concen: 0.691 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062408.D

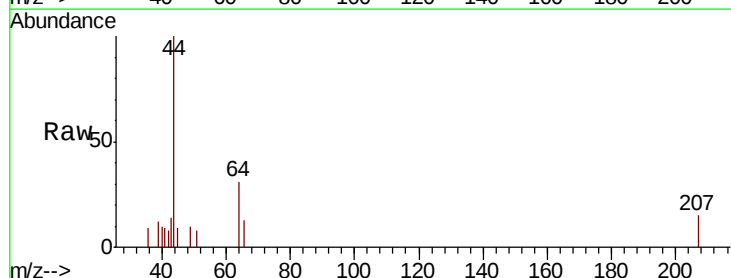
Acq: 8 Jul 2020 15:25

Tgt Ion: 64 Resp: 987

Ion Ratio Lower Upper

64 100

66 42.4 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

600

400

200

0

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

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2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

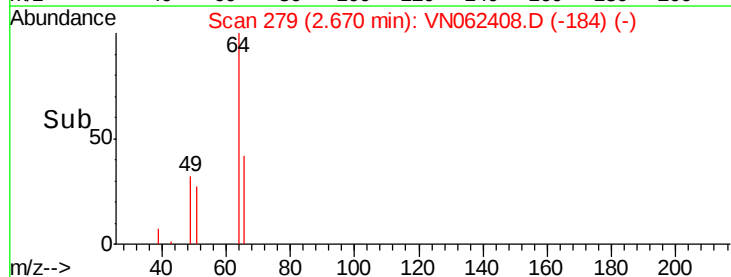
2.88

2.89

2.90

2.91

2.92



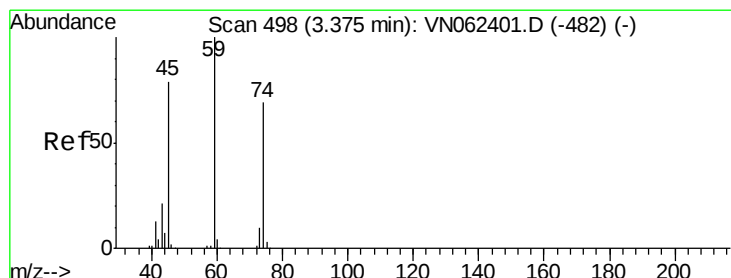
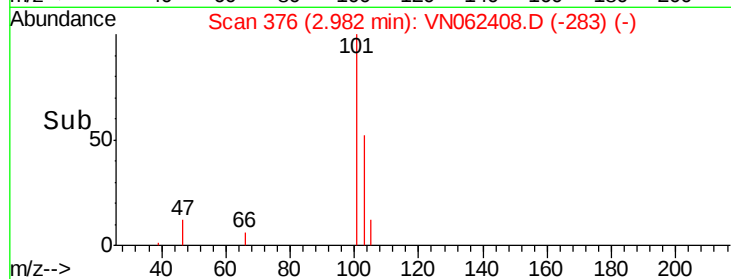
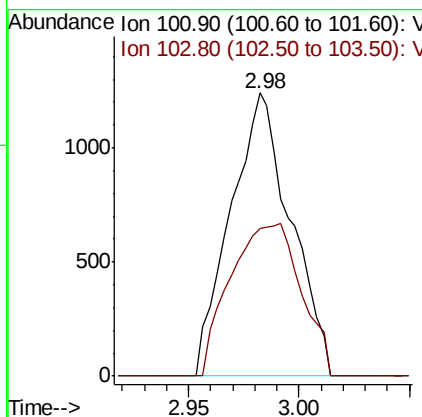
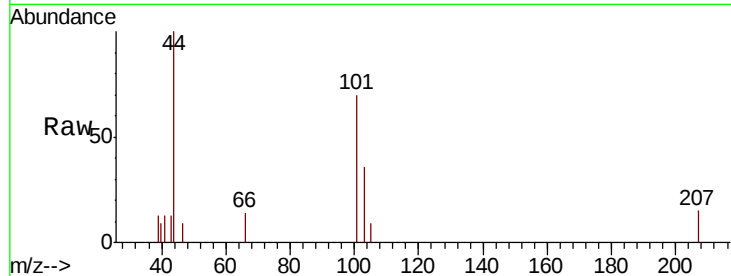


#7

Trichlorofluoromethane
 Concen: 0.753 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062408.D
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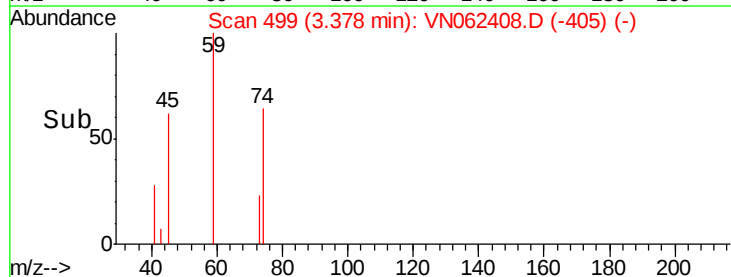
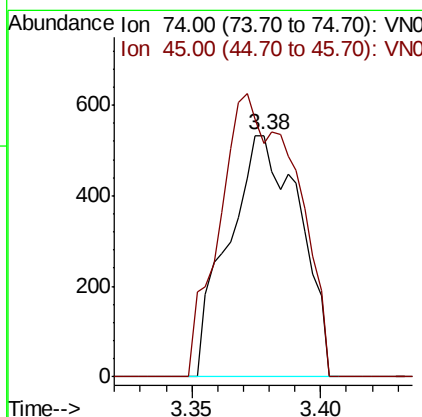
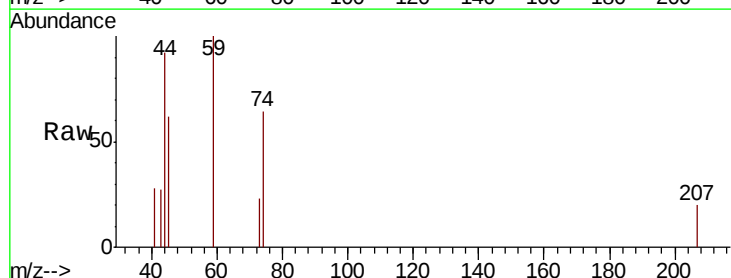
Tot Ion:101 Resp: 2343
 Ion Ratio Lower Upper
 101 100
 103 52.1 51.6 77.4

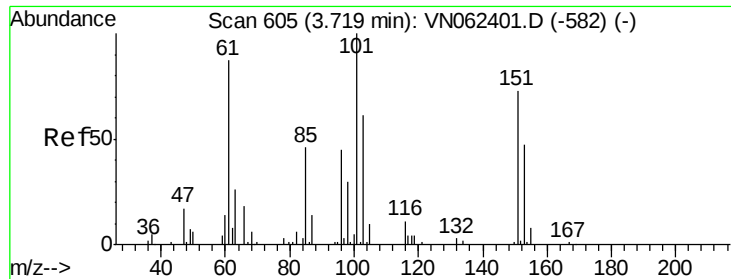


#8

Diethyl Ether
 Concen: 0.738 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 74 Resp: 1028
 Ion Ratio Lower Upper
 74 100
 45 125.0 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.754 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

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MSVOA_N

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LOD-MDL-WATER-01-QT3-2020

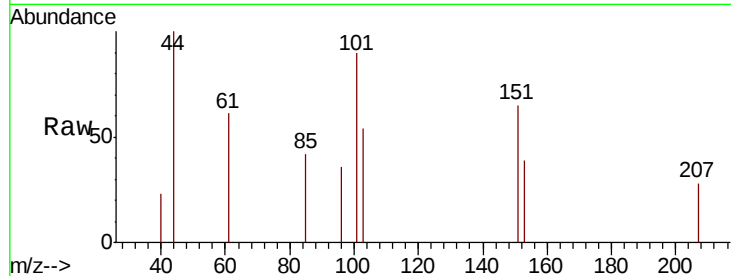
Tot Ion:101 Resp: 1391

Ion Ratio Lower Upper

101 100

85 54.1 36.7 55.1

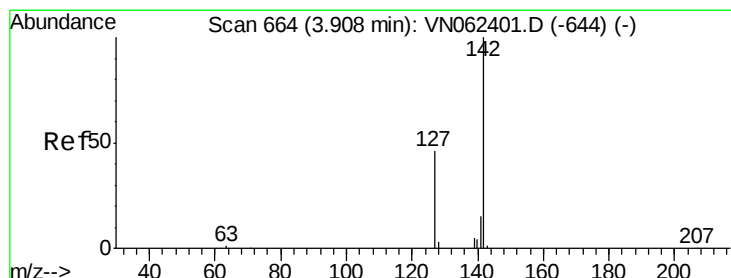
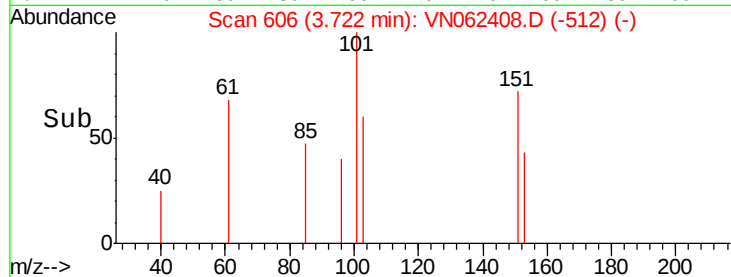
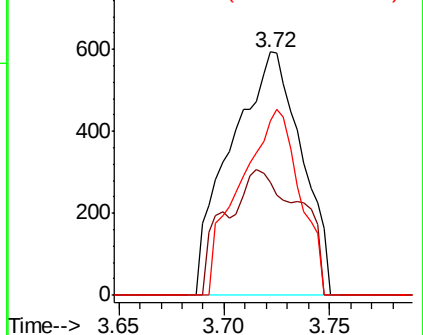
151 64.5 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.203 ug/l

RT: 3.90 min Scan# 662

Delta R.T. -0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

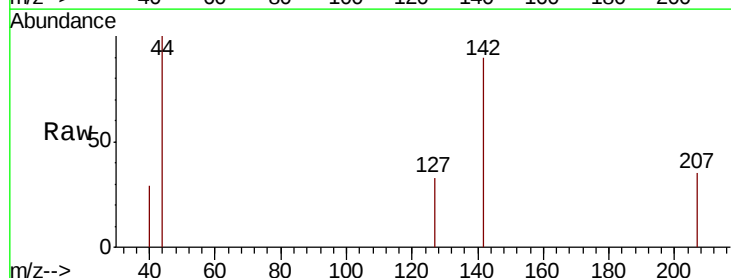
Tgt Ion:142 Resp: 494

Ion Ratio Lower Upper

142 100

127 101.2 36.1 54.1#

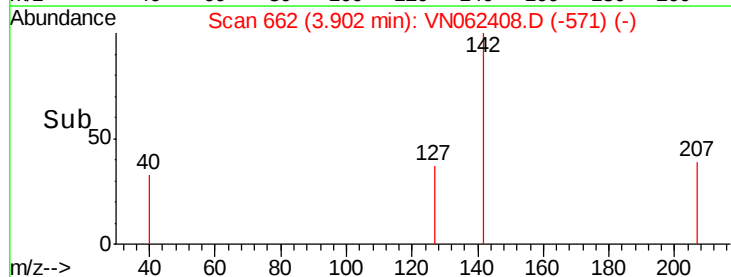
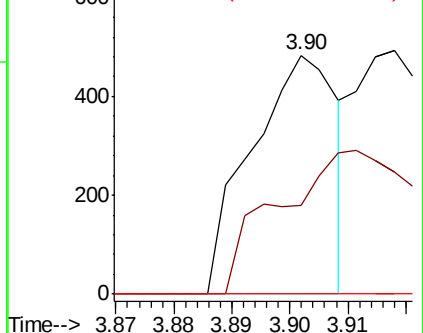
141 0.0 11.4 17.0#

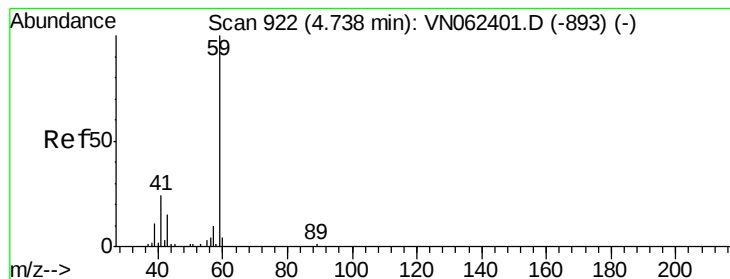


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



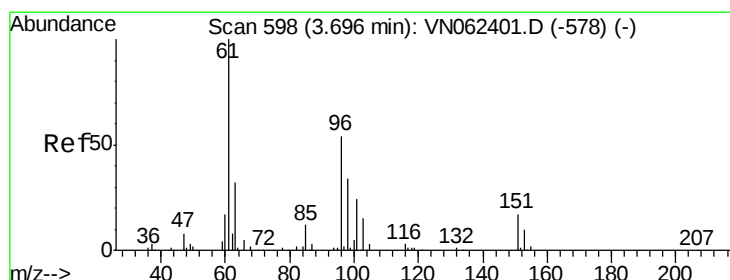
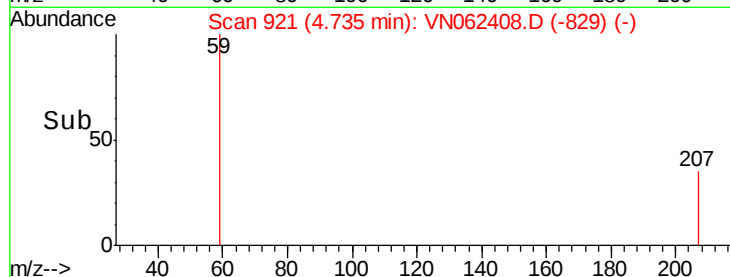
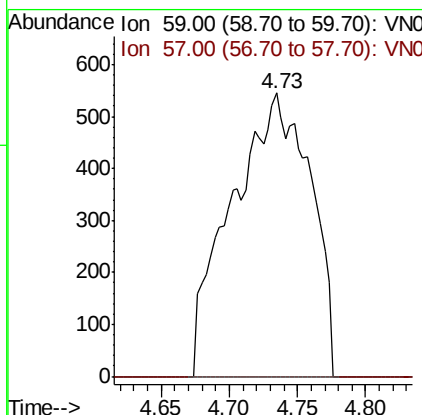
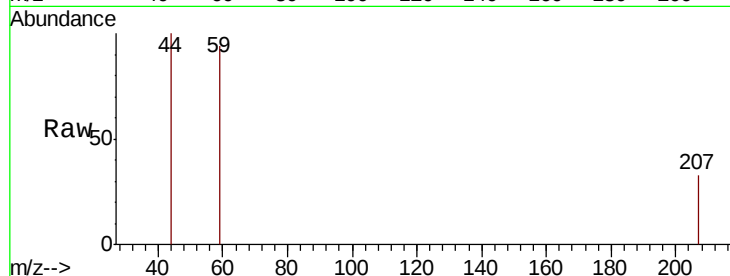


#11

Tert butyl alcohol
 Concen: 4.680 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

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

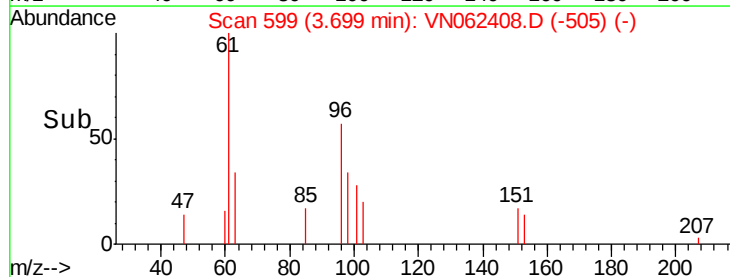
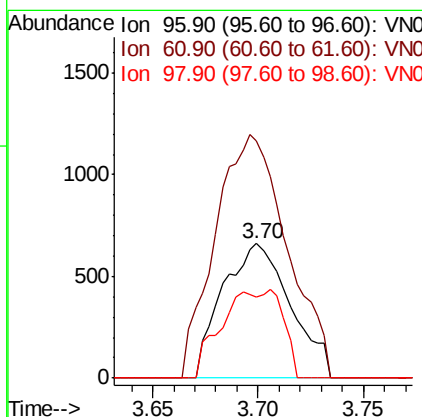
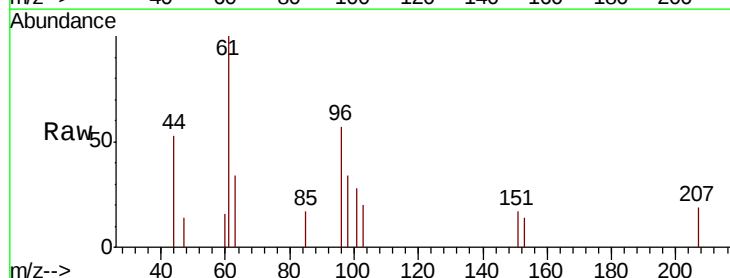
Tot Ion: 59 Resp: 2186
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

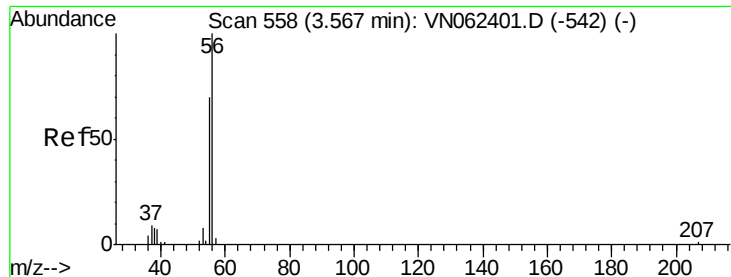


#12

1,1-Dichloroethene
 Concen: 0.791 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 96 Resp: 1486
 Ion Ratio Lower Upper
 96 100
 61 176.6 147.4 221.0
 98 60.4 50.4 75.6





#13

Acrolein

Concen: 3.911 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

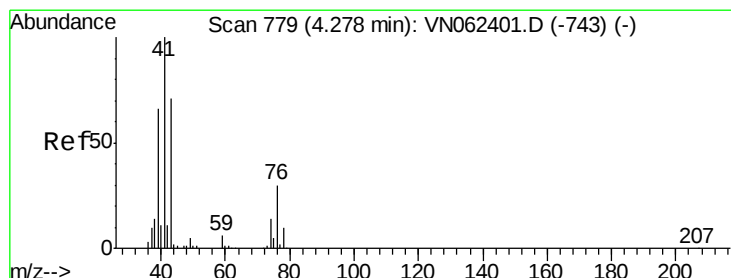
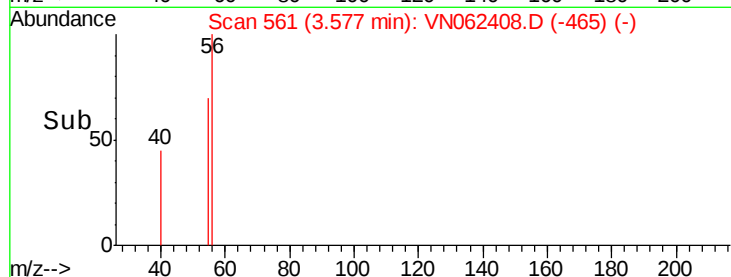
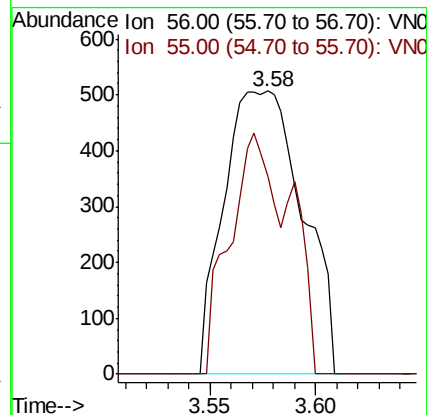
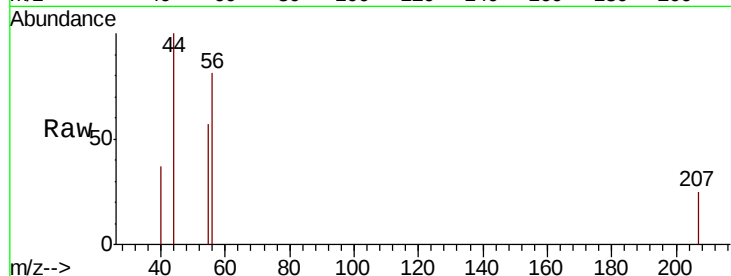
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 1318

Ion Ratio Lower Upper

56 100

55 48.7 57.2 85.8#



#14

Allyl chloride

Concen: 0.816 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

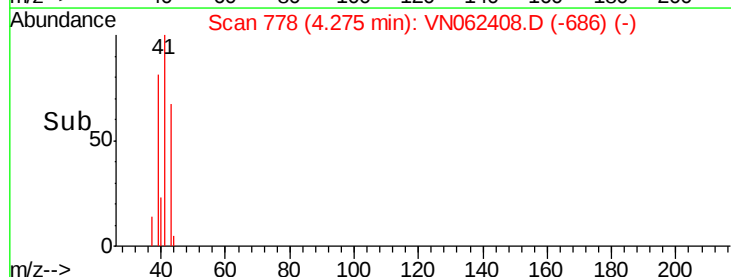
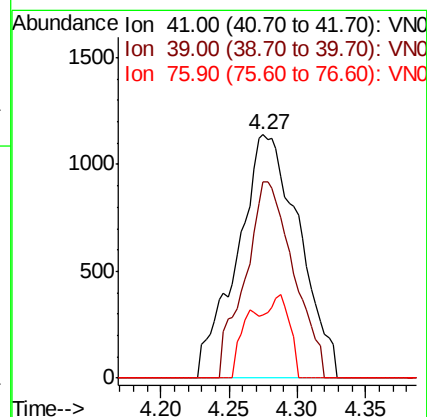
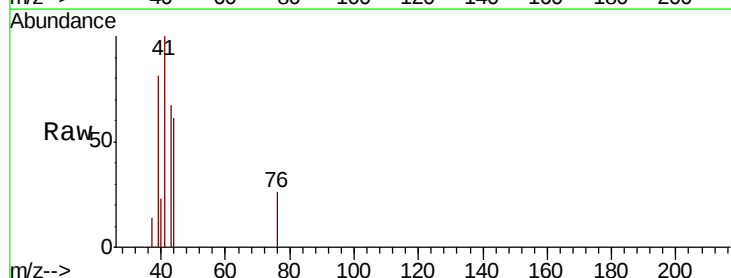
Tgt Ion: 41 Resp: 3606

Ion Ratio Lower Upper

41 100

39 62.8 49.6 74.4

76 8.4 22.2 33.4#





#15

Acrylonitrile

Concen: 3.495 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.02 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

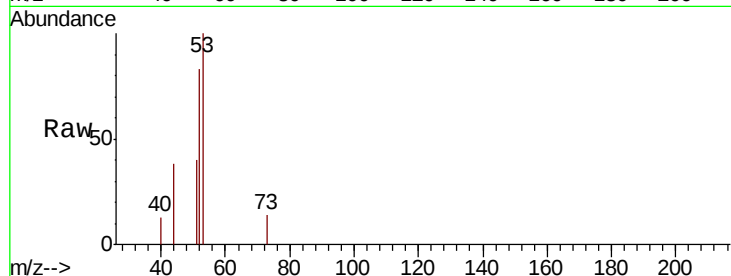
Tot Ion: 53 Resp: 4282

Ion Ratio Lower Upper

53 100

52 79.5 66.2 99.4

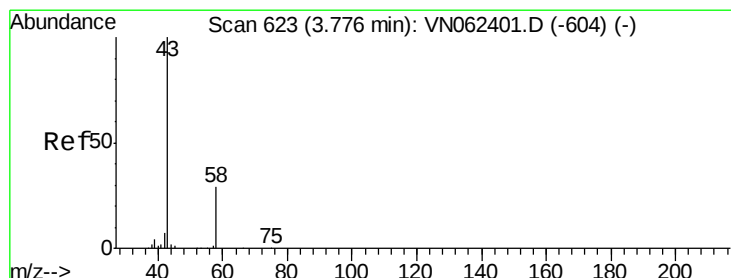
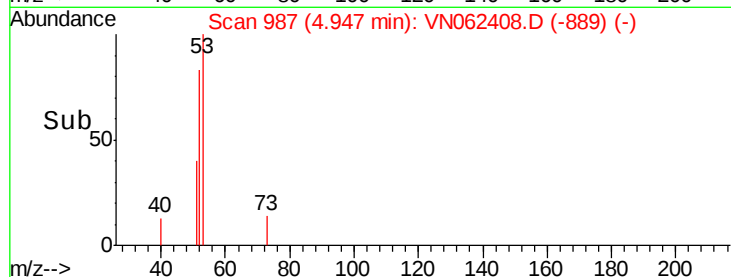
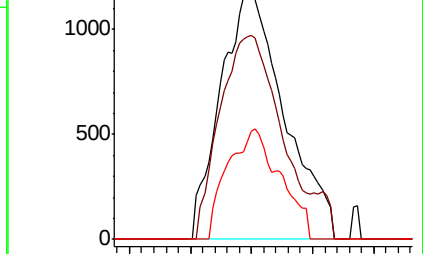
51 36.7 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN062408.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN062408.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN062408.D (-960) (-)



#16

Acetone

Concen: 4.104 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062408.D

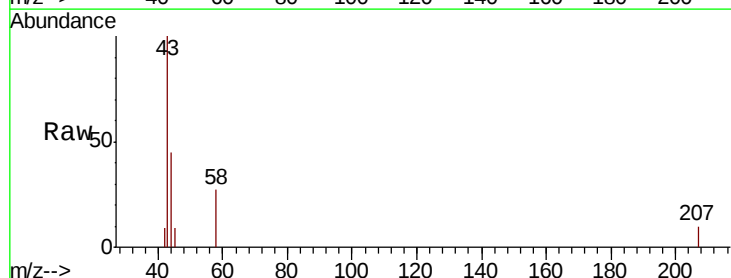
Acq: 8 Jul 2020 15:25

Tgt Ion: 43 Resp: 4906

Ion Ratio Lower Upper

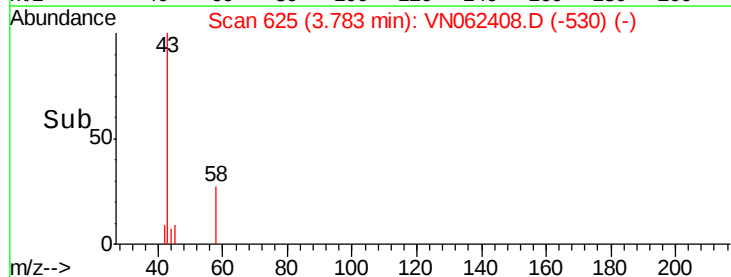
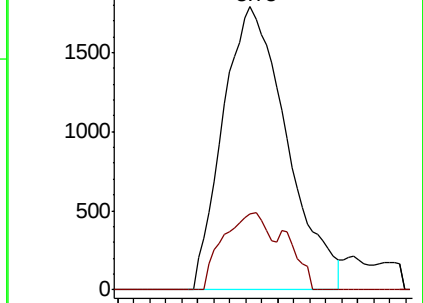
43 100

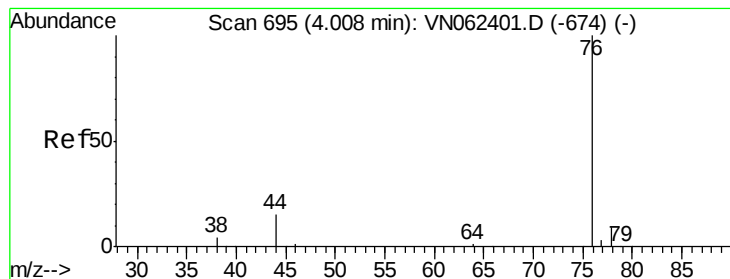
58 27.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN062408.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062408.D (-530) (-)





#17

Carbon Disulfide

Concen: 0.958 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

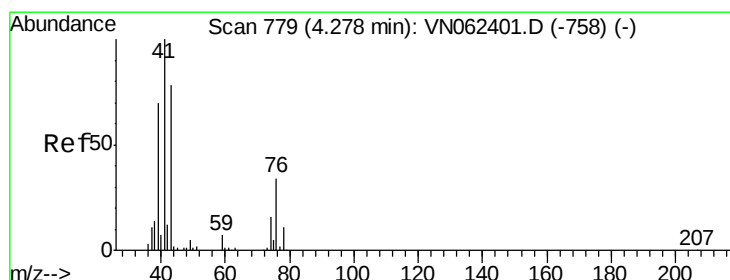
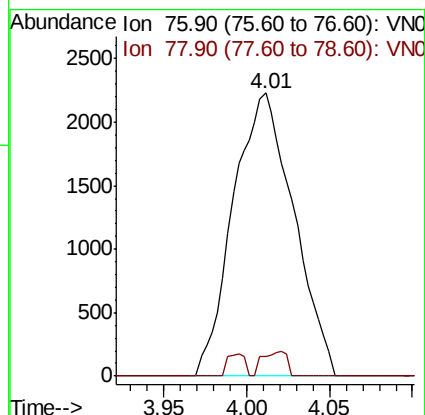
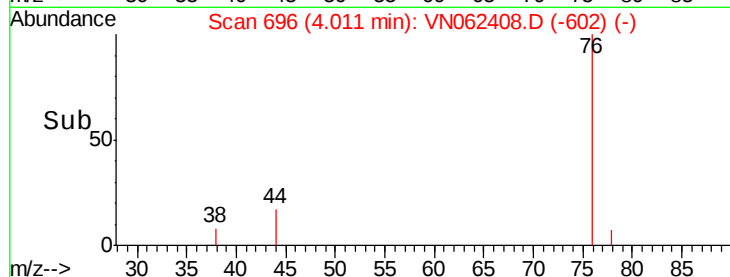
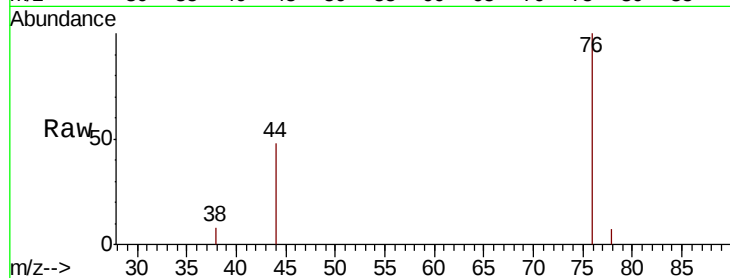
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 5639

Ion Ratio Lower Upper

76 100

78 7.1 7.3 10.9#



#18

Methyl Acetate

Concen: 0.940 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062408.D

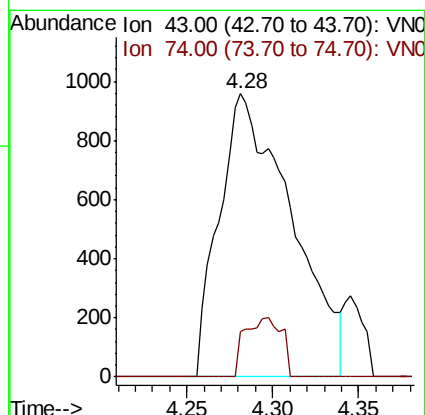
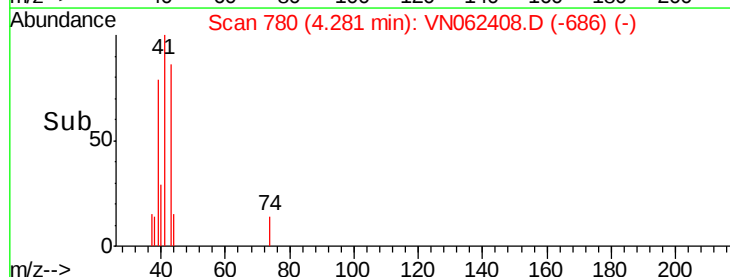
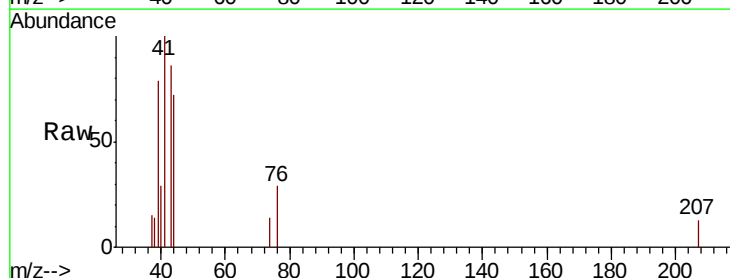
Acq: 8 Jul 2020 15:25

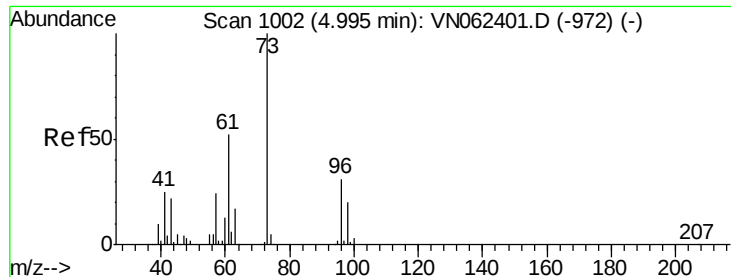
Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

43 100

74 10.5 16.0 24.0#

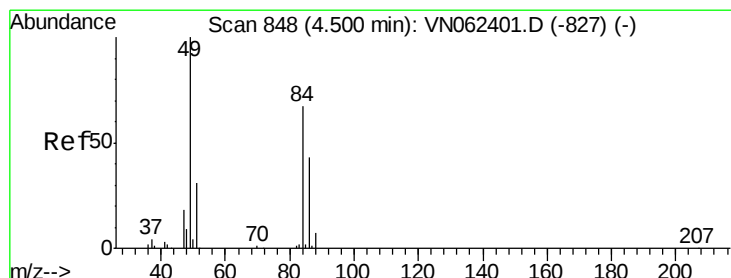
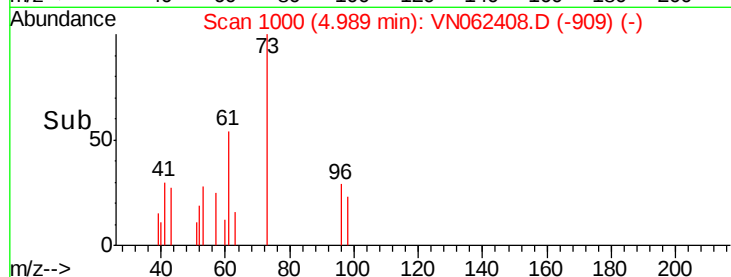
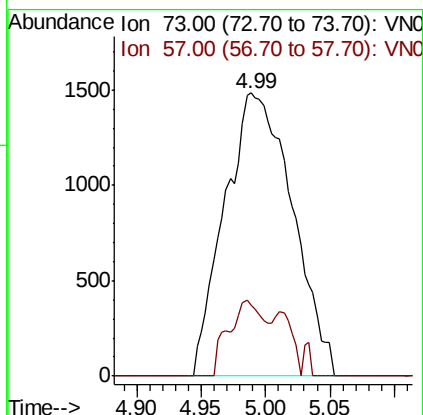
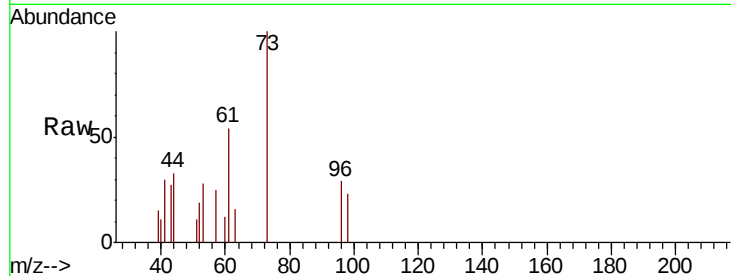




#19
Methvl tert-butvl Ether
Concen: 0.759 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

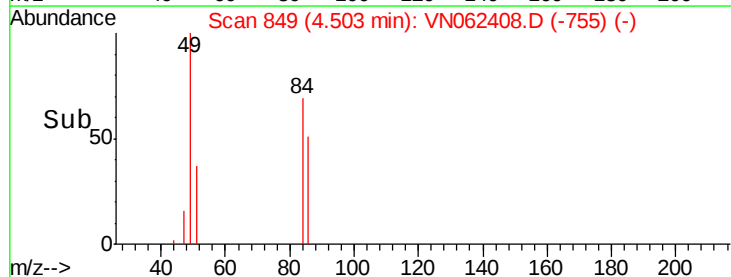
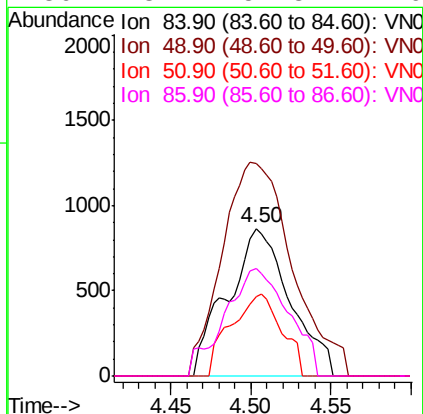
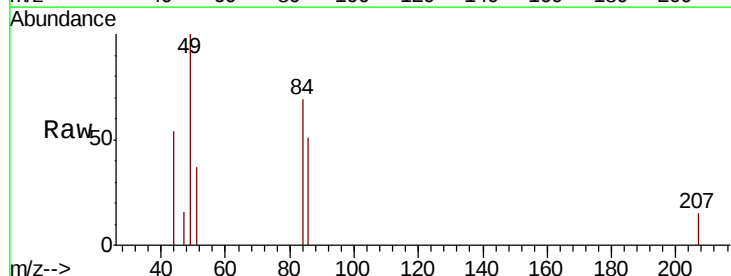
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

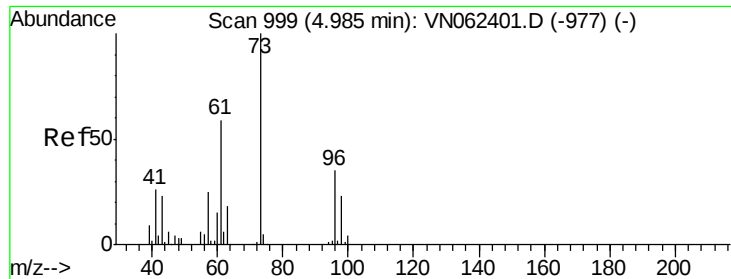
Tot Ion: 73 Resp: 5408
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.0



#20
Methylene Chloride
Concen: 0.912 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 84 Resp: 2331
Ion Ratio Lower Upper
84 100
49 144.0 120.0 180.0
51 53.7 37.0 55.6
86 73.4 51.8 77.6

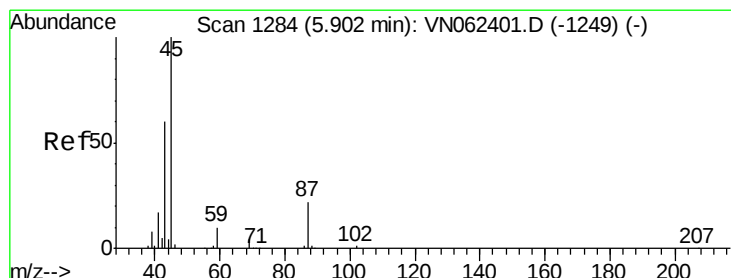
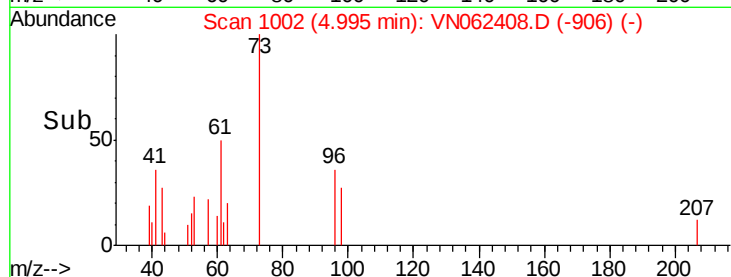
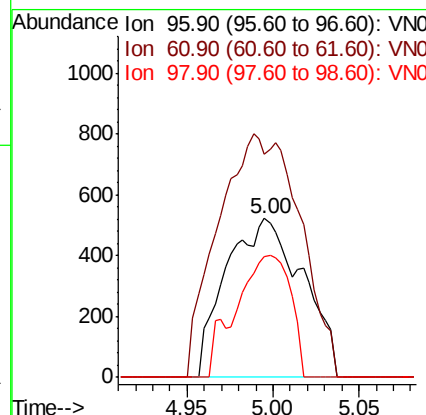
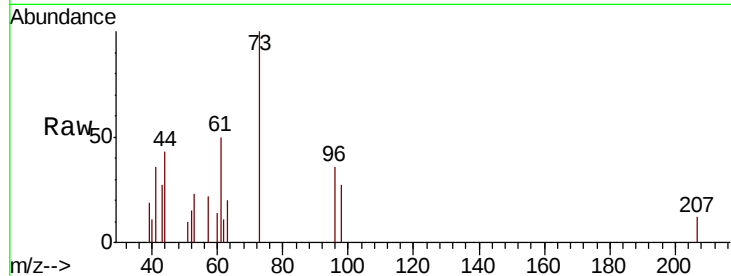




#21
trans-1,2-Dichloroethene
Concen: 0.796 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

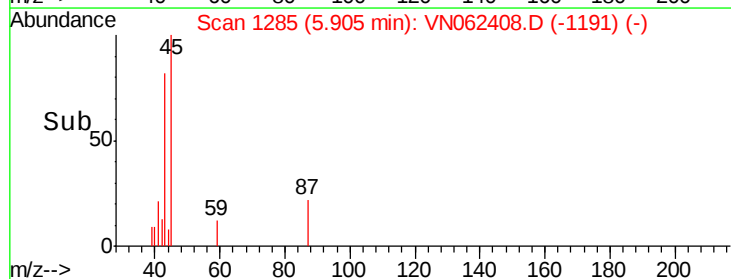
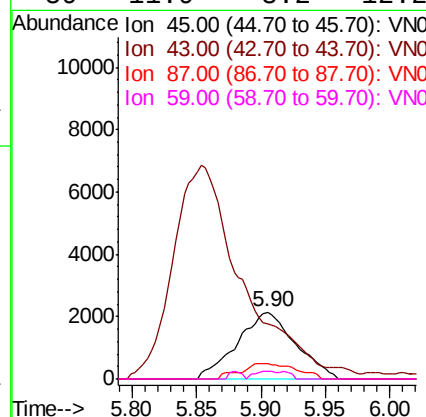
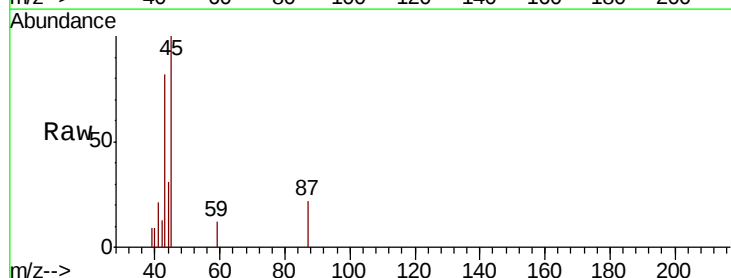
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

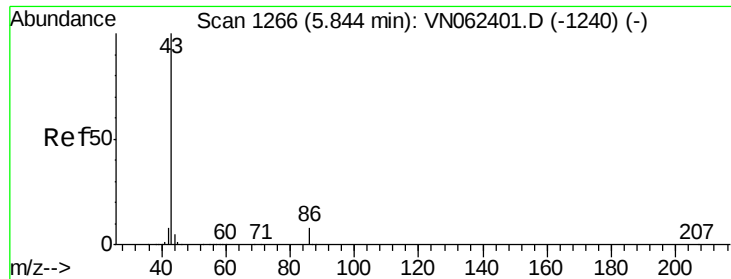
Tot Ion: 96 Resp: 1620
Ion Ratio Lower Upper
96 100
61 140.3 133.5 200.3
98 76.3 51.9 77.9



#22
Diisopropyl ether
Concen: 0.770 ug/l
RT: 5.90 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 45 Resp: 6726
Ion Ratio Lower Upper
45 100
43 65.6 50.1 75.1
87 22.2 18.2 27.4
59 11.9 8.2 12.2





#23

Vinyl Acetate

Concen: 3.547 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

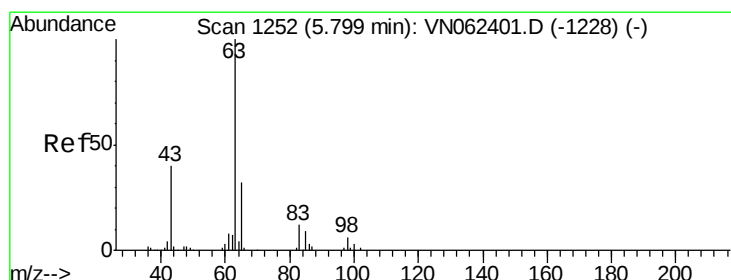
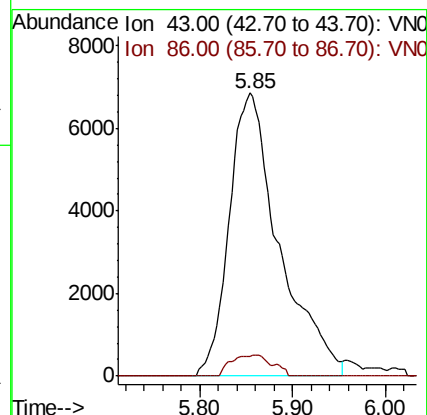
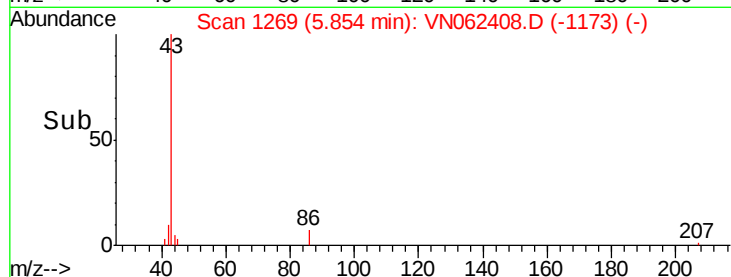
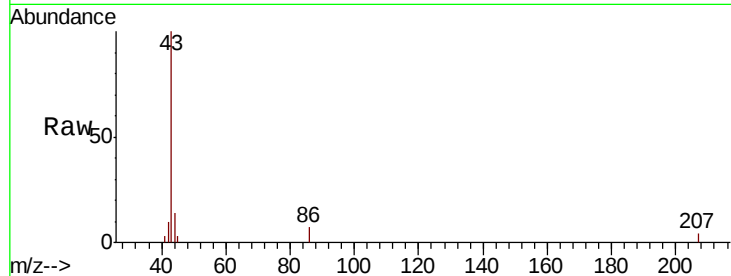
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 25654

Ion Ratio Lower Upper

43 100

86 7.1 6.7 10.1



#24

1,1-Dichloroethane

Concen: 0.285 ug/l

RT: 5.79 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

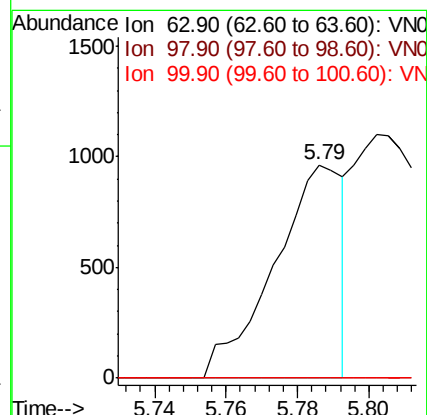
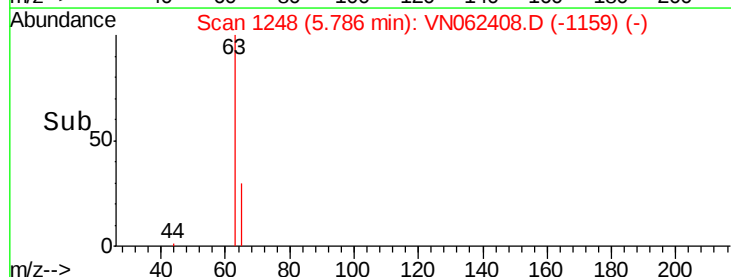
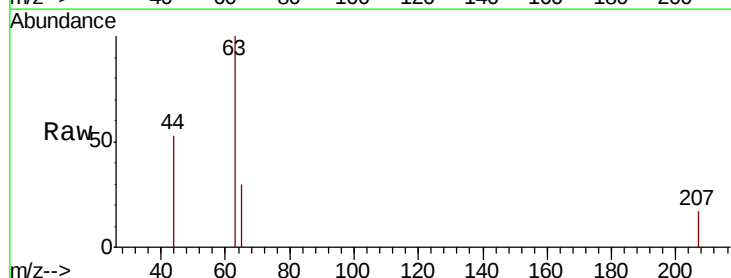
Tgt Ion: 63 Resp: 1287

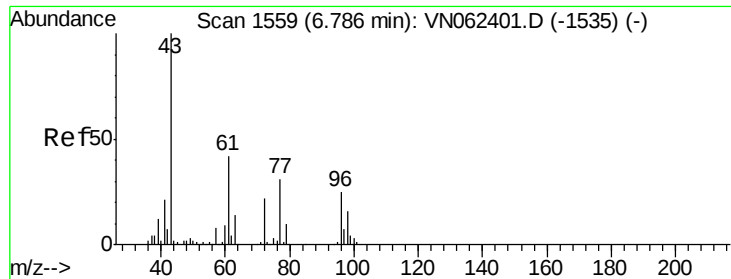
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.8 5.3#

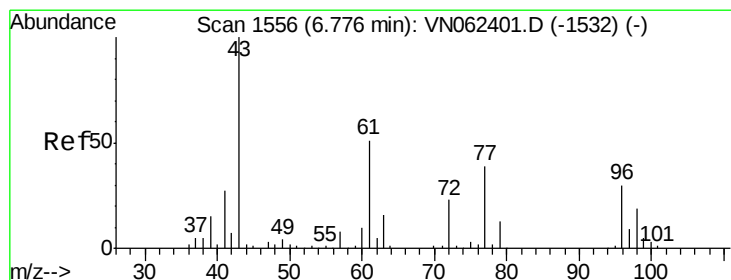
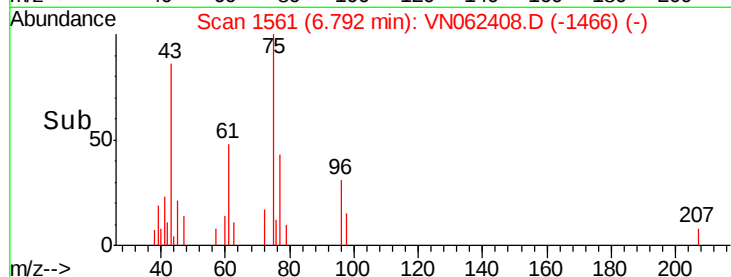
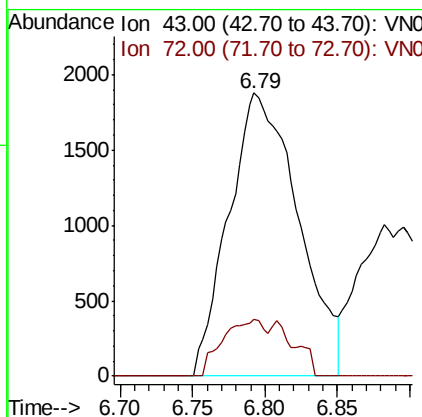
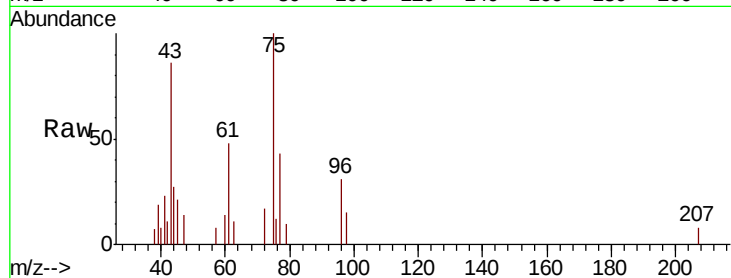




#25
2-Butanone
Concen: 3.589 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

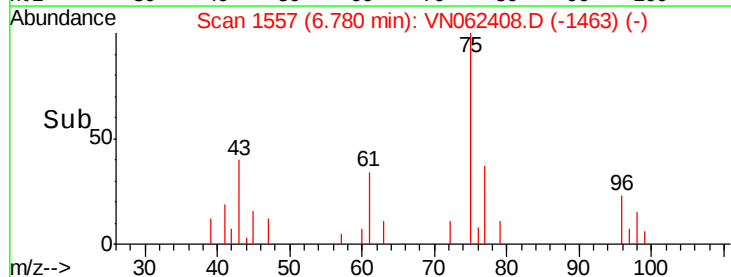
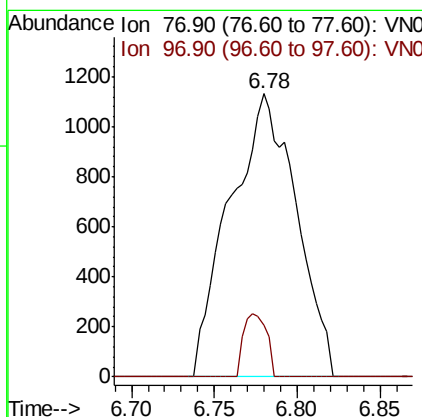
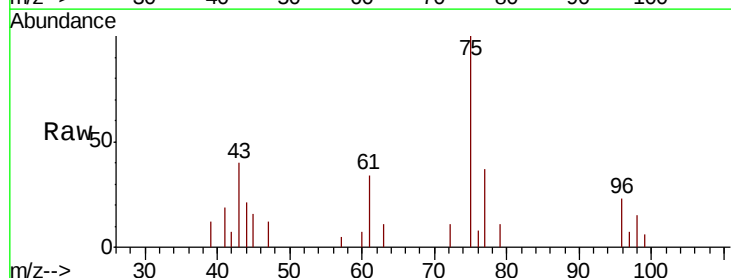
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

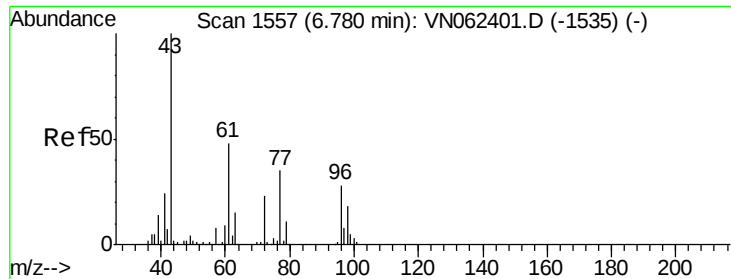
Tot Ion: 43 Resp: 6267
Ion Ratio Lower Upper
43 100
72 19.9 17.9 26.9



#26
2,2-Dichloropropane
Concen: 0.909 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 77 Resp: 3145
Ion Ratio Lower Upper
77 100
97 7.7 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.820 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

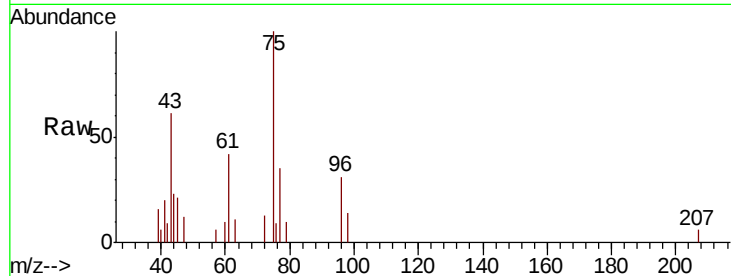
Tot Ion: 96 Resp: 1933

Ion Ratio Lower Upper

96 100

61 163.7 0.0 343.4

98 53.1 0.0 128.4

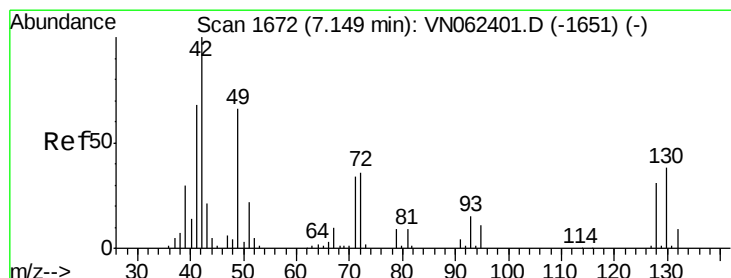
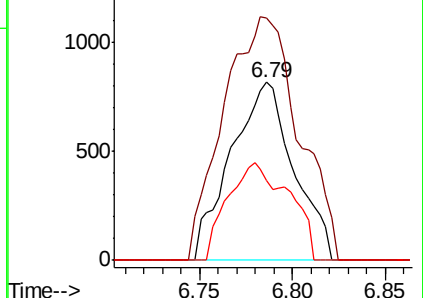
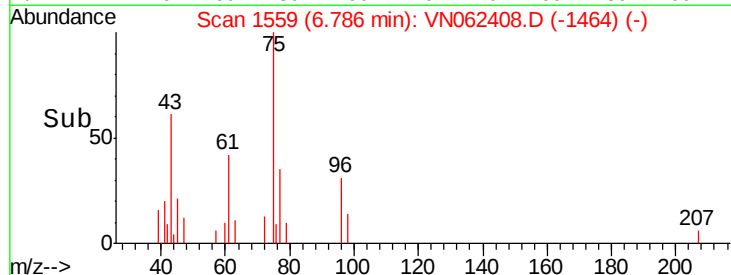


Abundance Ion 95.90 (95.60 to 96.60): VN062408.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN062408.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN062408.D (-1535) (-)

Time-->



#28

Bromochloromethane

Concen: 0.759 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

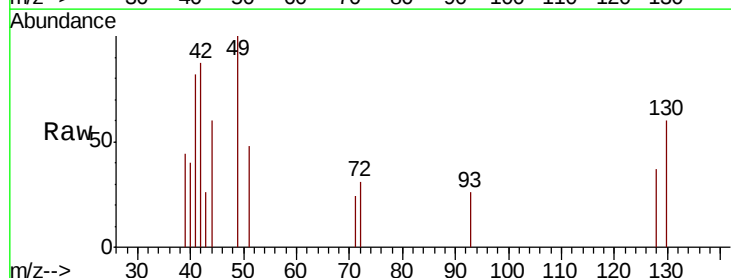
Tgt Ion: 49 Resp: 1861

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

130 53.2 46.5 69.7

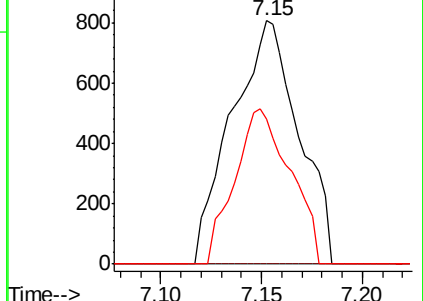
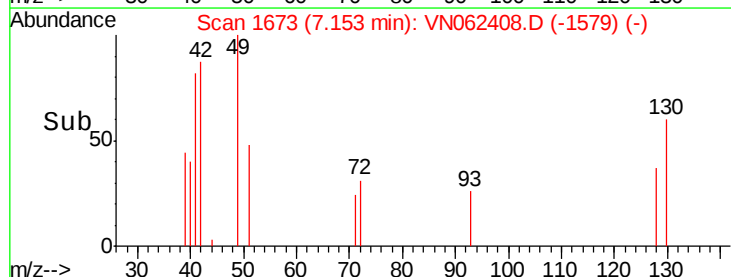


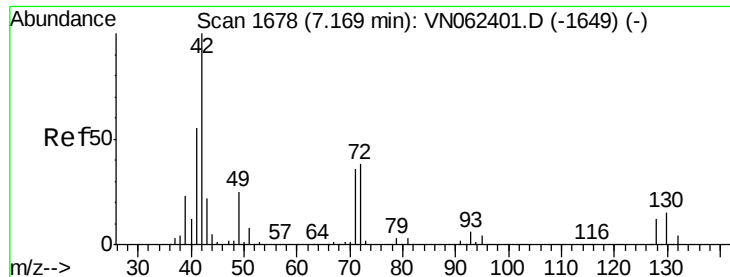
Abundance Ion 48.90 (48.60 to 49.60): VN062408.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062408.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062408.D (-1579) (-)

Time-->





#29

Tetrahydrofuran

Concen: 3.678 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

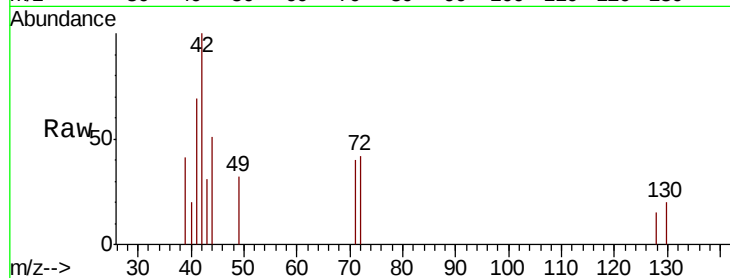
Tot Ion: 42 Resp: 4323

Ion Ratio Lower Upper

42 100

72 21.7 29.1 43.7#

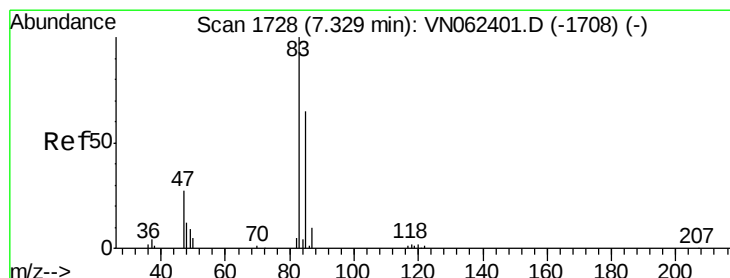
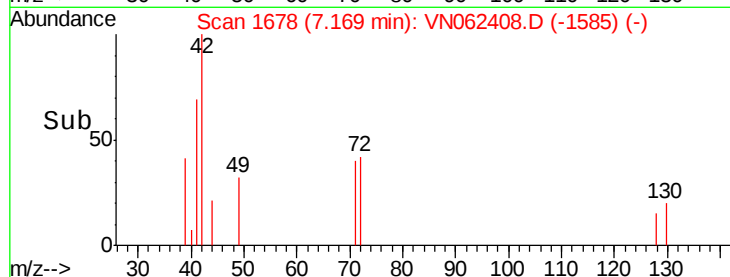
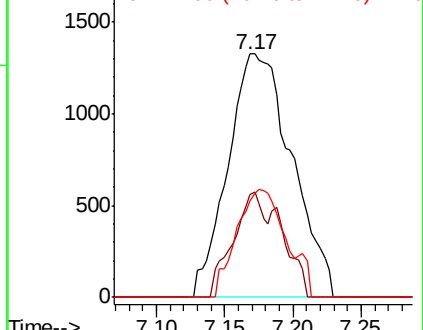
71 34.5 28.1 42.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.727 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062408.D

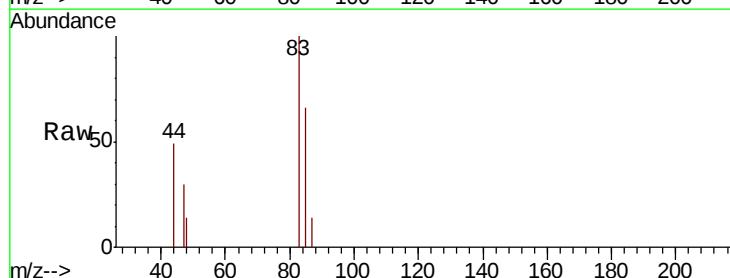
Acq: 8 Jul 2020 15:25

Tgt Ion: 83 Resp: 2960

Ion Ratio Lower Upper

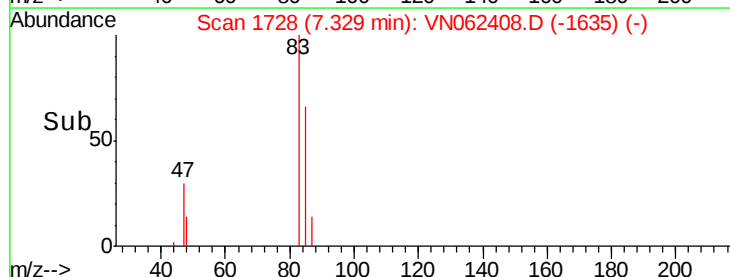
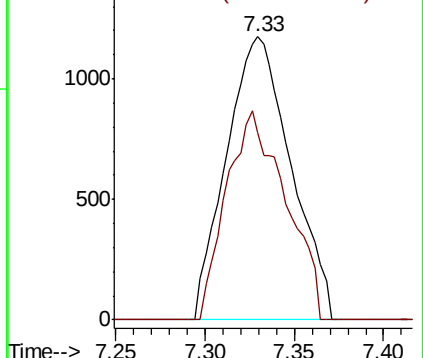
83 100

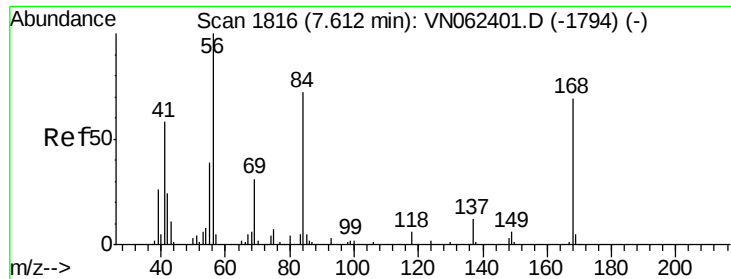
85 66.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

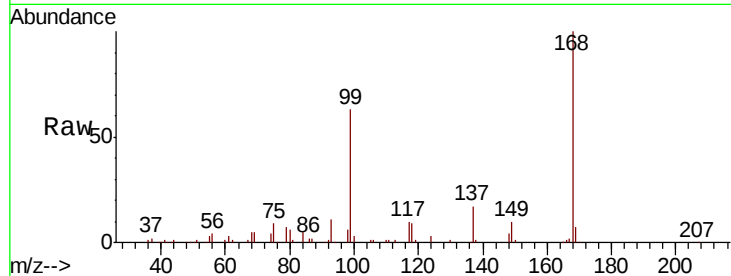




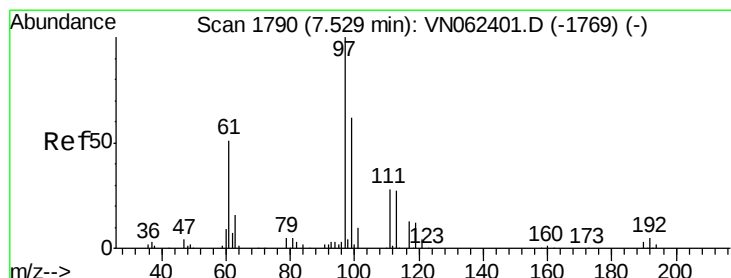
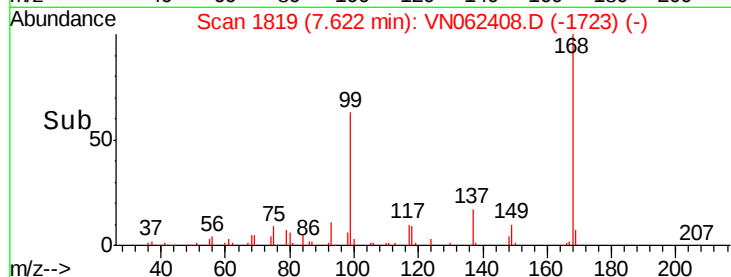
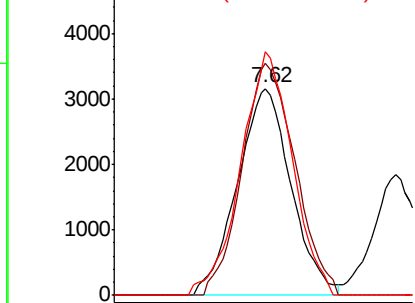
#31
Cvclohexane
Concen: 1.840 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

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

Tot Ion: 56 Resp: 7871
Ion Ratio Lower Upper
56 100
69 112.6 24.5 36.7#
84 117.8 57.4 86.2#

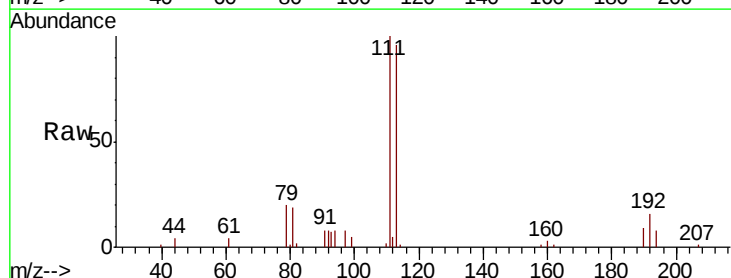


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

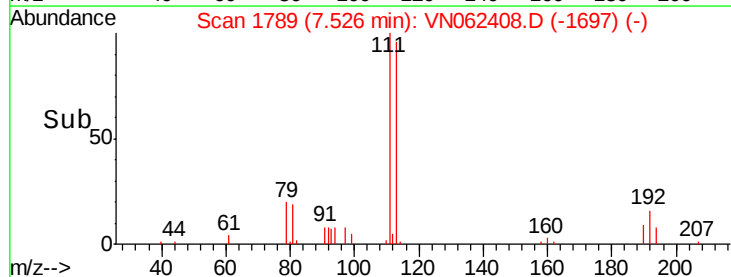
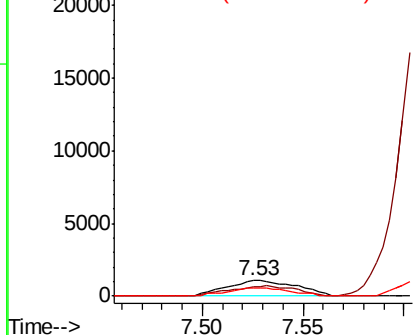


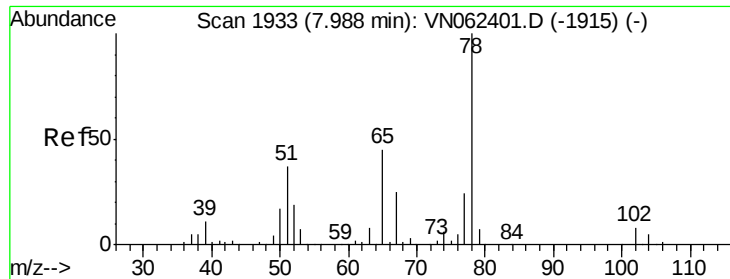
#32
1,1,1-Trichloroethane
Concen: 0.761 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 97 Resp: 2579
Ion Ratio Lower Upper
97 100
99 0.0 50.4 75.6#
61 47.0 39.9 59.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 53.191 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

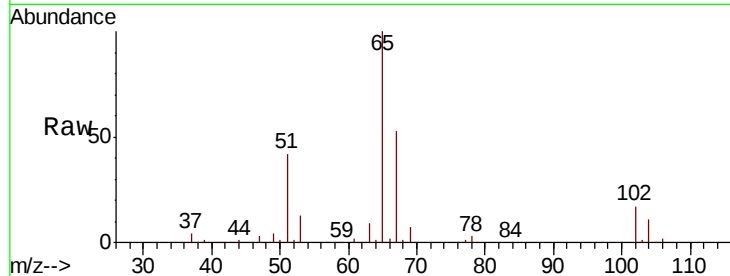
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 149784

Ion Ratio Lower Upper

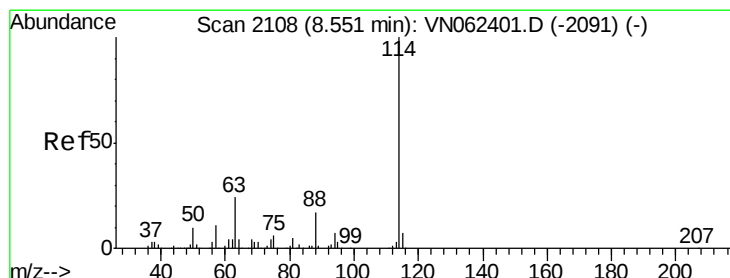
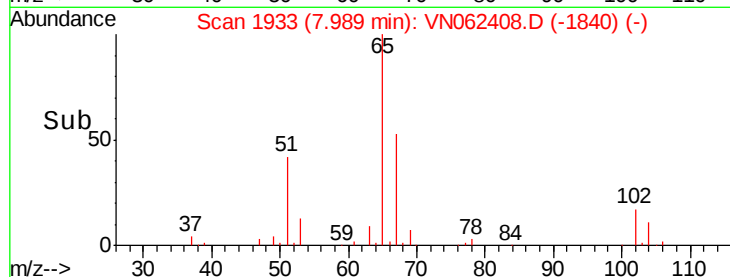
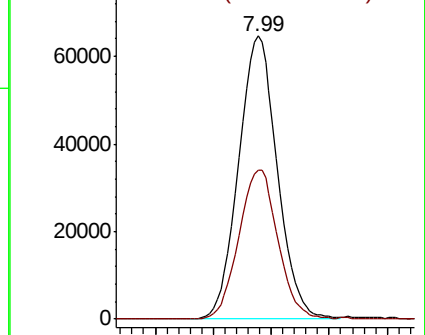
65 100

67 53.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062408.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062408.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

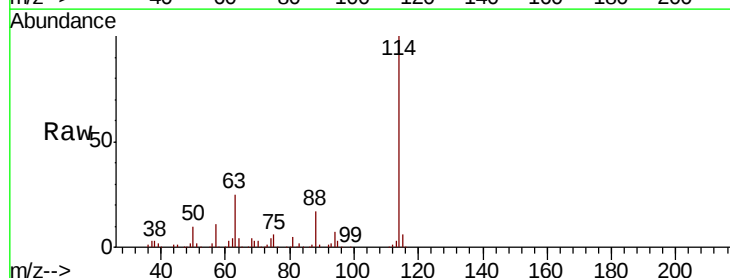
Tgt Ion: 114 Resp: 322295

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

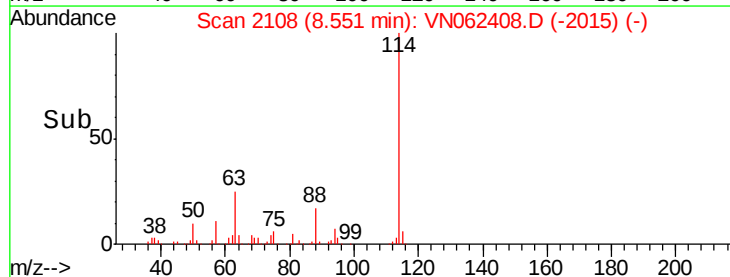
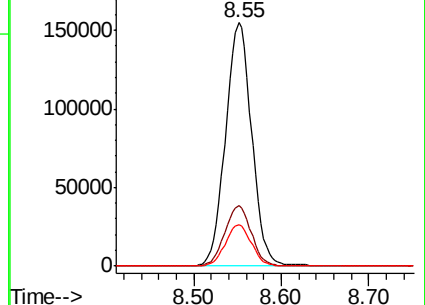
88 16.8 0.0 33.8

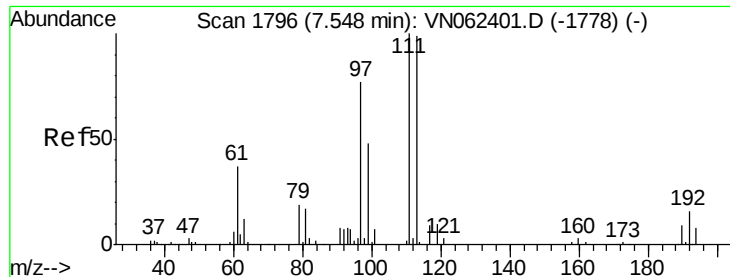


Abundance Ion 113.90 (113.60 to 114.60): VN062408.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN062408.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN062408.D (-2155) (-)

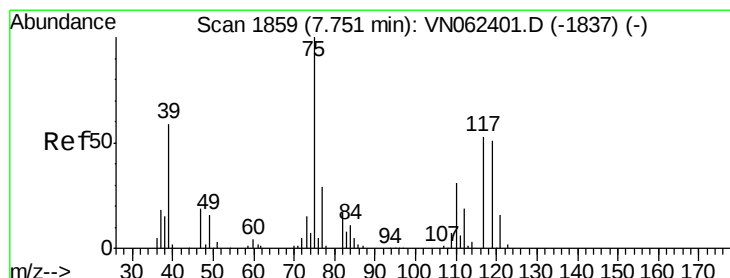
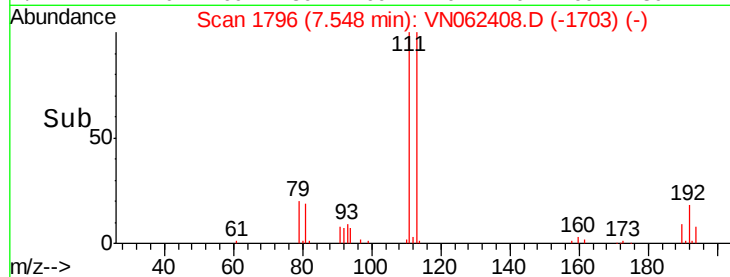
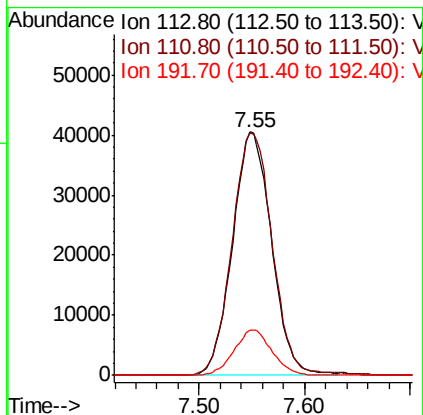
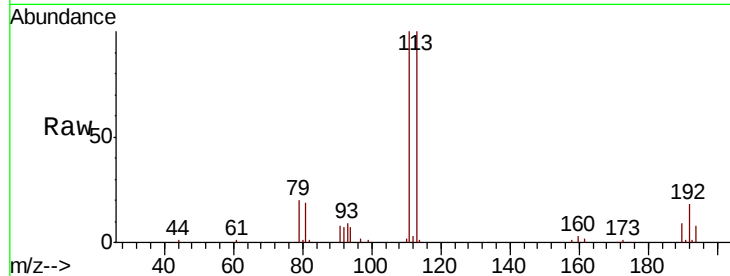




#35
 Dibromofluoromethane
 Concen: 52.234 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

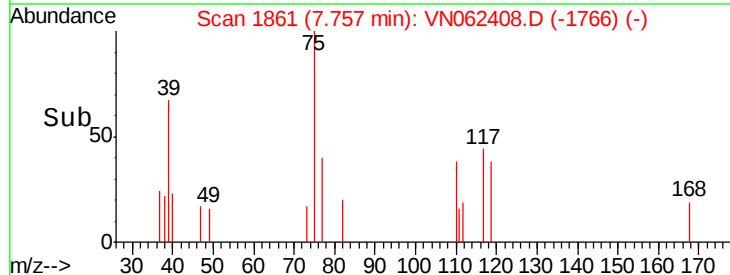
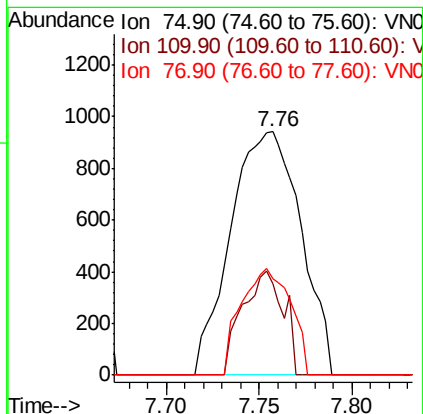
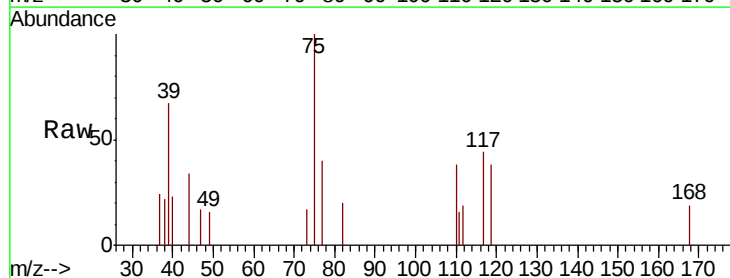
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

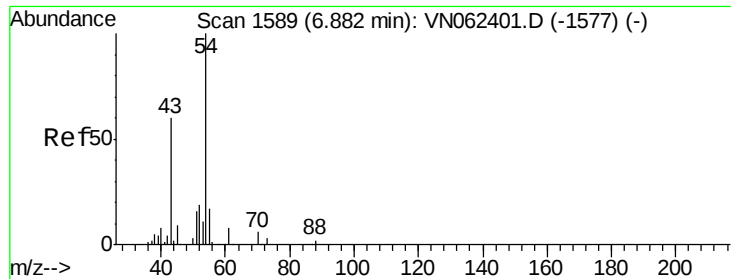
Tot Ion:113 Resp: 104062
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.1 124.7
 192 18.1 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 0.766 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 75 Resp: 2488
 Ion Ratio Lower Upper
 75 100
 110 24.9 15.4 46.2
 77 30.8 24.1 36.1

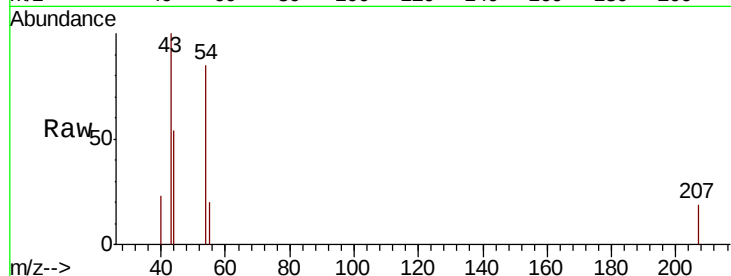




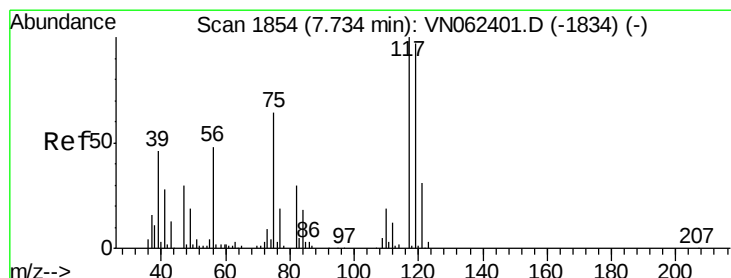
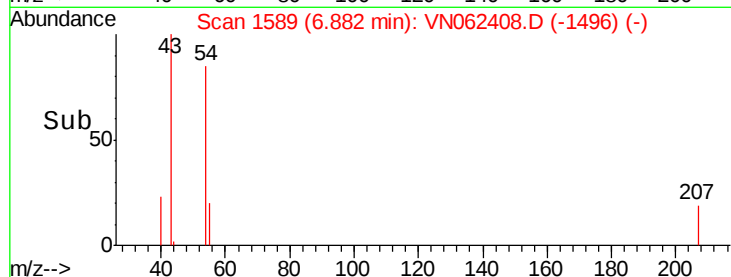
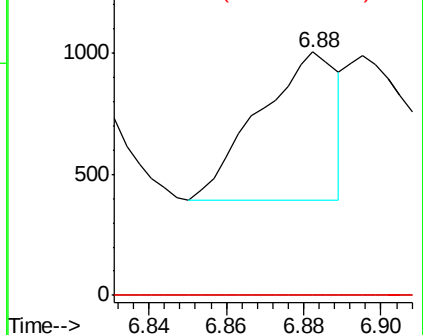
#37
Ethyl Acetate
Concen: 0.227 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

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

Tot Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.2 10.8#

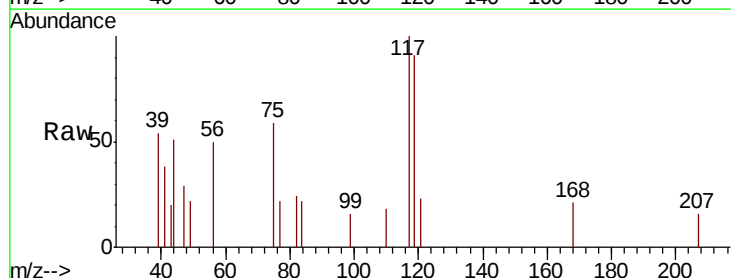


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

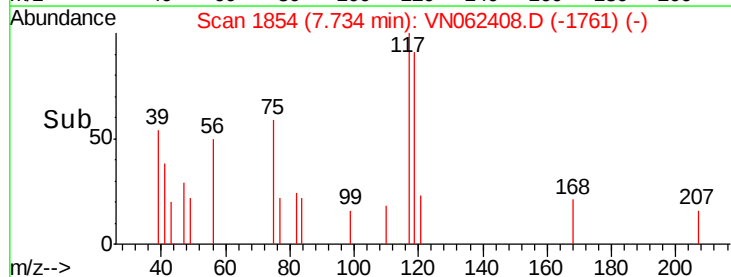
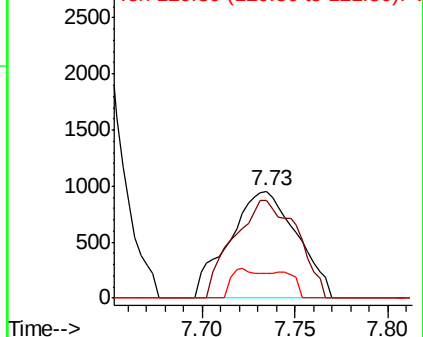


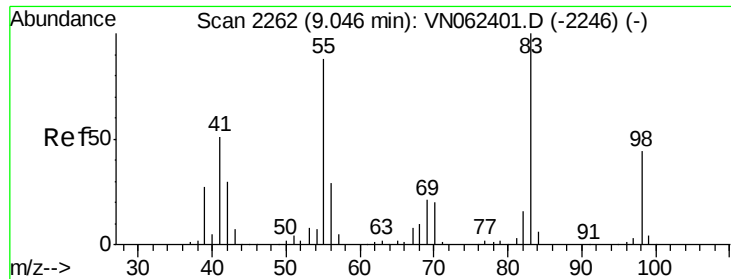
#38
Carbon Tetrachloride
Concen: 0.831 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 117 Resp: 2427
Ion Ratio Lower Upper
117 100
119 91.3 77.2 115.8
121 23.1 24.8 37.2#



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

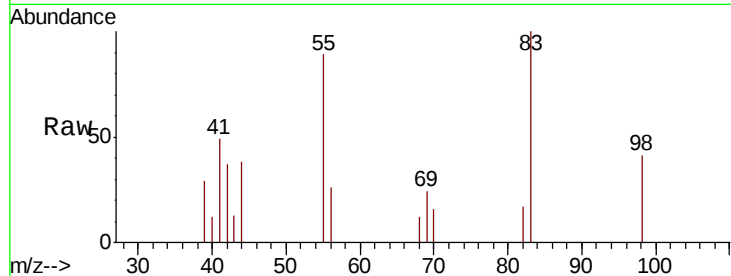




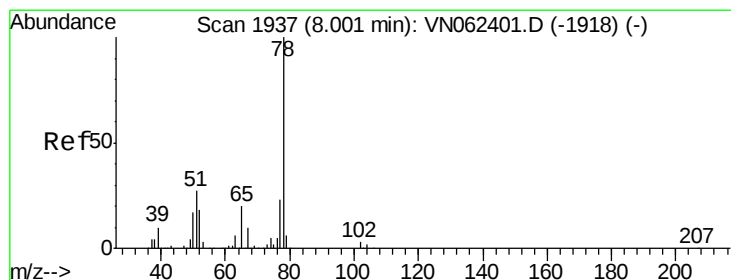
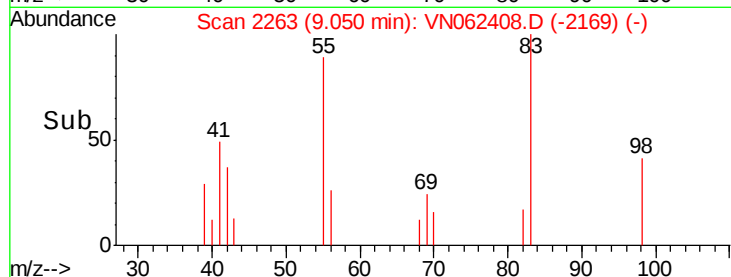
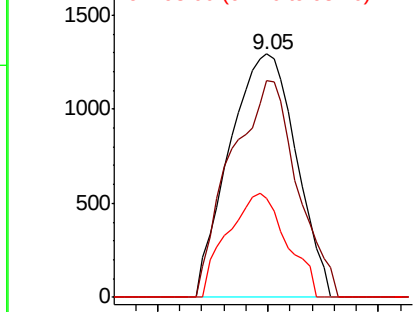
#39
Methvlcvclohexane
Concen: 0.783 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

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

Tot Ion: 83 Resp: 2713
Ion Ratio Lower Upper
83 100
55 88.8 70.5 105.7
98 40.8 35.5 53.3

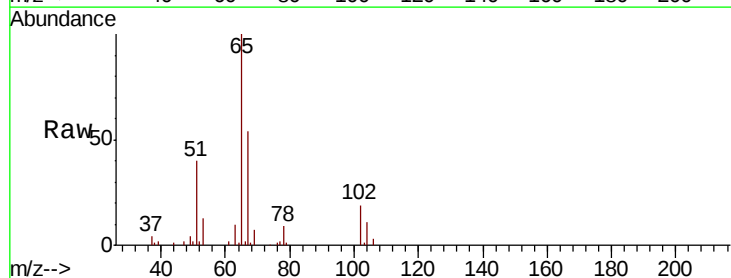


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

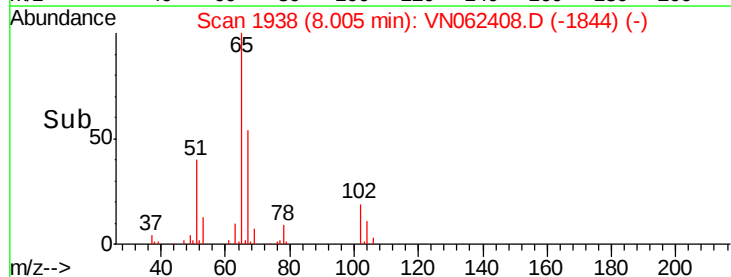
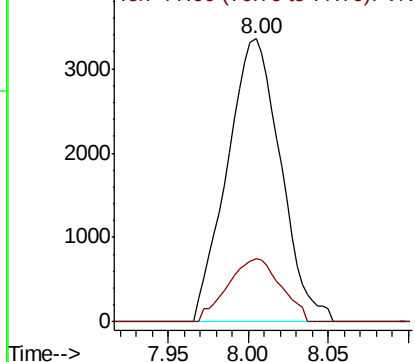


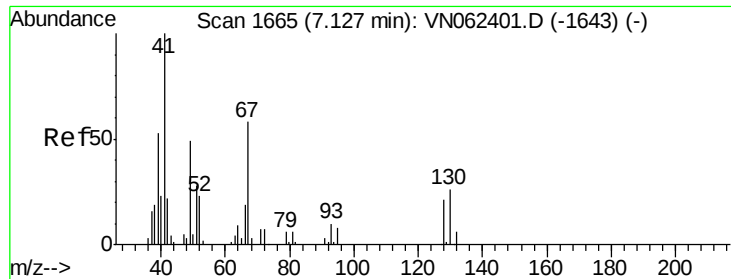
#40
Benzene
Concen: 0.802 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 78 Resp: 7671
Ion Ratio Lower Upper
78 100
77 22.1 18.7 28.1



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

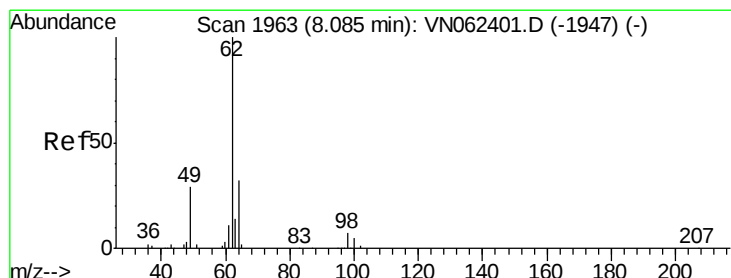
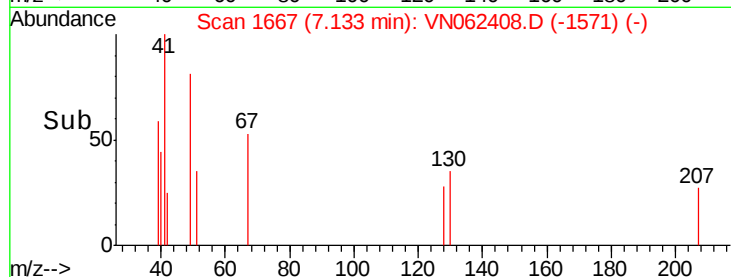
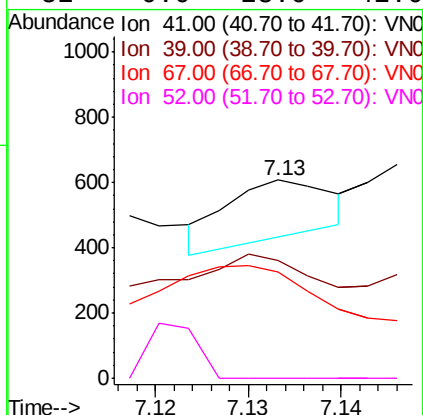
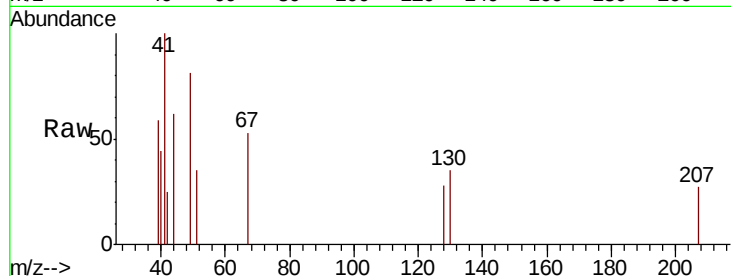




#41
Methacrylonitrile
Concen: 0.090 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

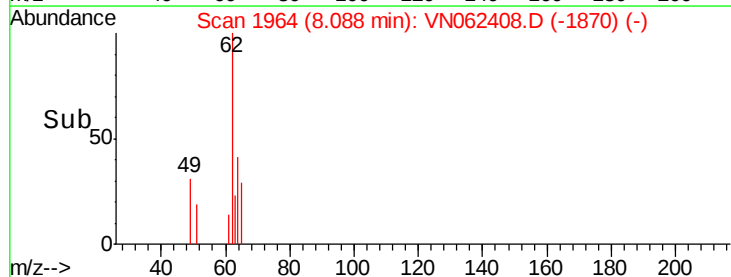
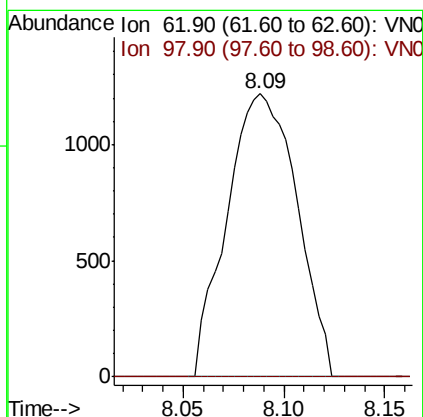
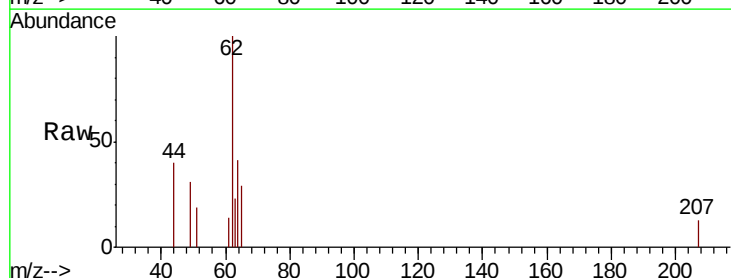
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

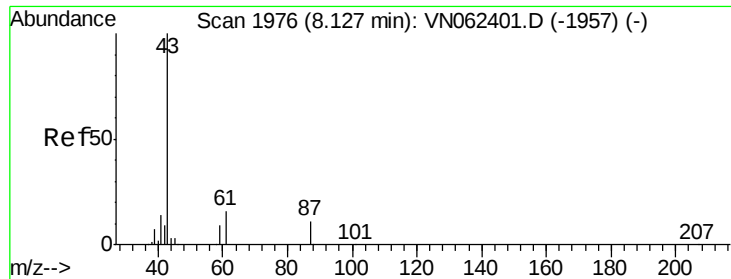
Tot Ion:	41	Resp:	142
Ion	Ratio	Lower	Upper
41	100		
39	475.4	50.2	75.2#
67	457.0	64.2	96.2#
52	0.0	28.0	42.0#



#42
1,2-Dichloroethane
Concen: 0.838 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion:	62	Resp:	2936
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 0.711 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

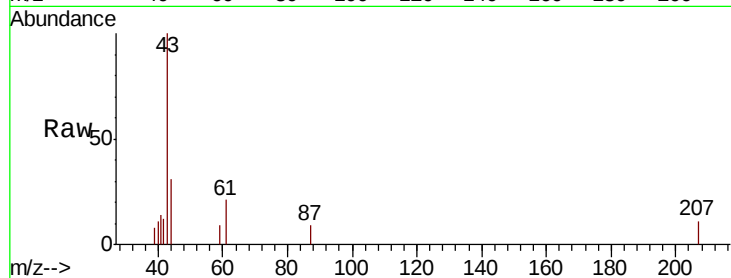
Tot Ion: 43 Resp: 4267

Ion Ratio Lower Upper

43 100

61 18.8 19.3 28.9#

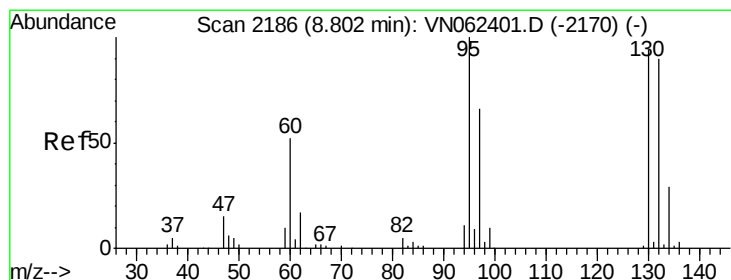
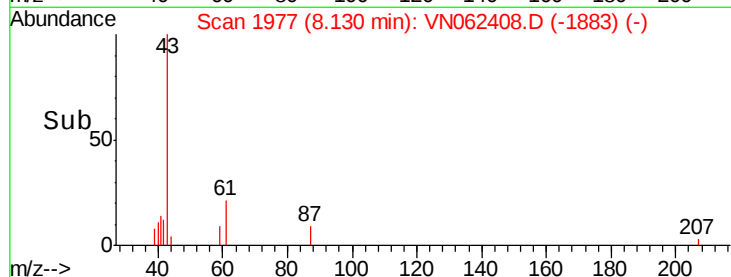
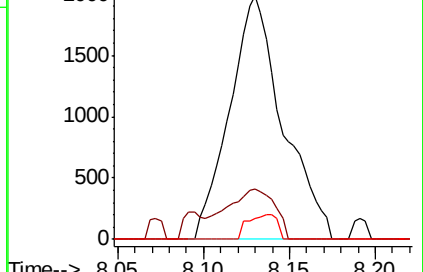
87 5.6 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062408.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062408.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062408.D (-1957) (-)



#44

Trichloroethene

Concen: 0.807 ug/l

RT: 8.81 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VN062408.D

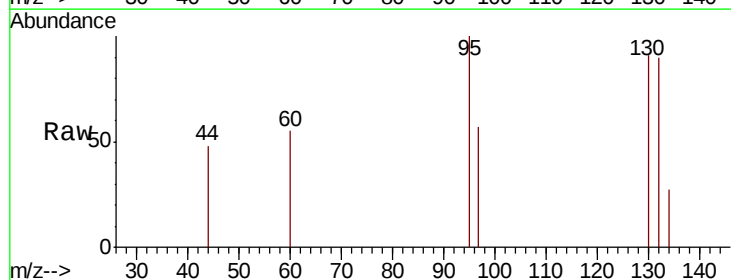
Acq: 8 Jul 2020 15:25

Tgt Ion: 130 Resp: 1714

Ion Ratio Lower Upper

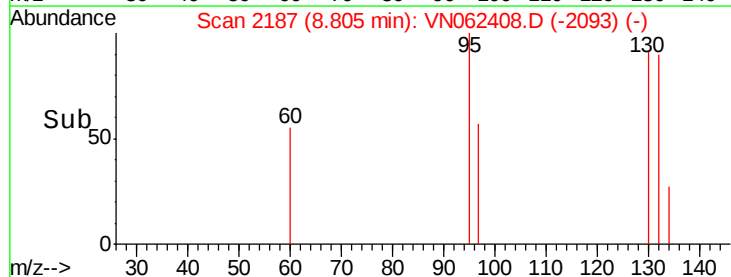
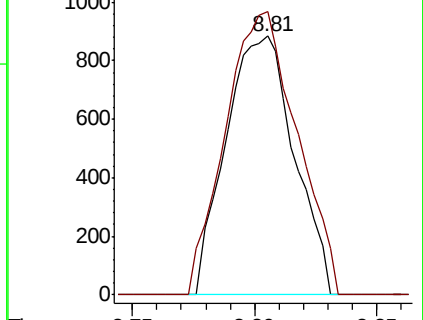
130 100

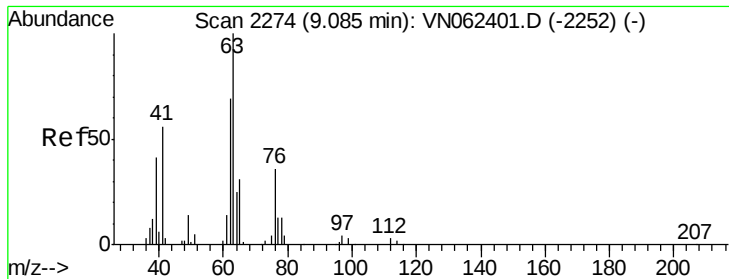
95 109.5 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062408.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062408.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 0.705 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

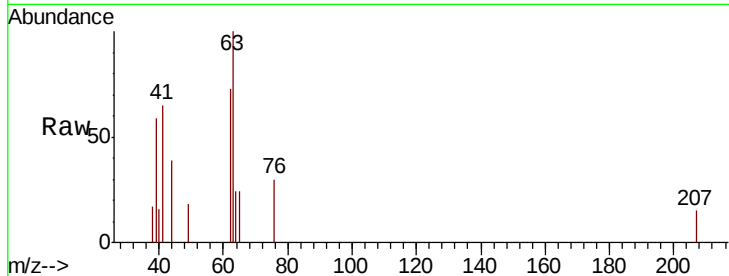
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 1958

Ion Ratio Lower Upper

63 100

65 23.6 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN062408.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062408.D (-2252) (-)

9.08

1200

1000

800

600

400

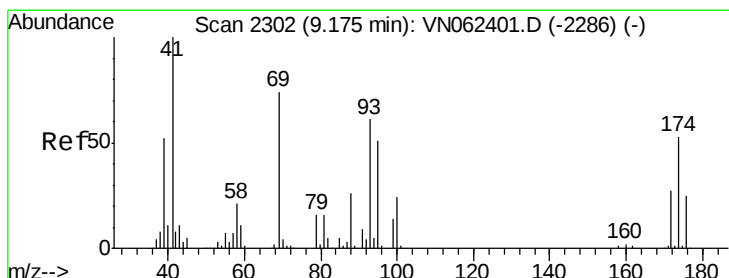
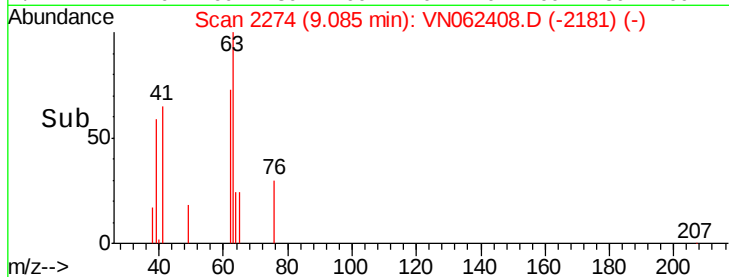
200

0

9.05

9.10

Time-->



#46

Dibromomethane

Concen: 0.816 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

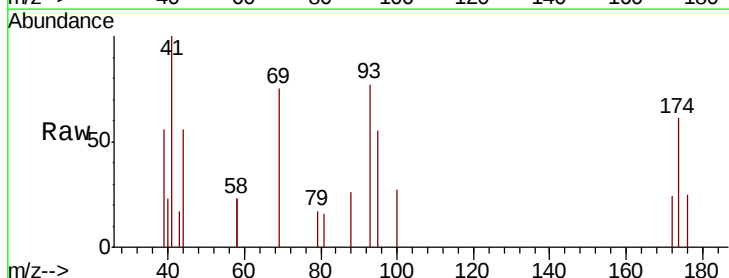
Tgt Ion: 93 Resp: 1280

Ion Ratio Lower Upper

93 100

95 80.1 67.1 100.7

174 78.2 70.4 105.6



Abundance Ion 92.80 (92.50 to 93.50): VN062408.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN062408.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN062408.D (-2286) (-)

9.17

1000

800

600

400

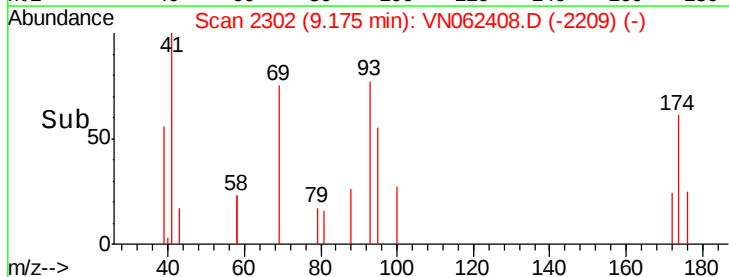
200

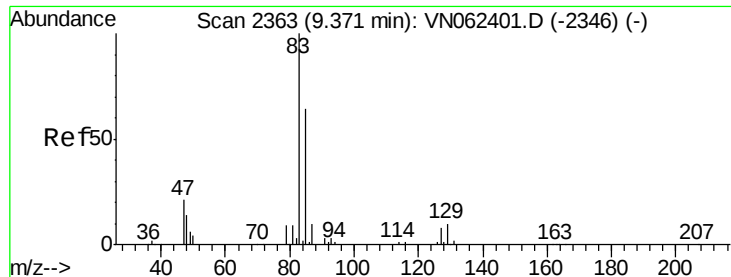
0

9.15

9.20

Time-->





#47

Bromodichloromethane

Concen: 0.779 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

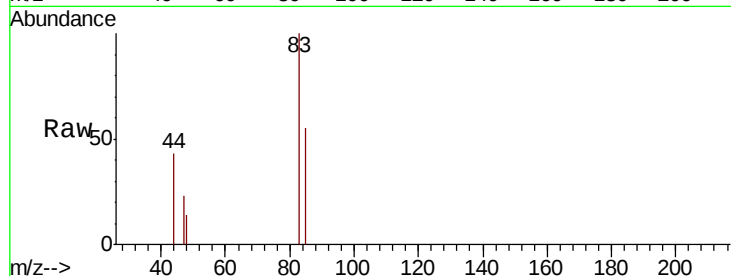
Tot Ion: 83 Resp: 2611

Ion Ratio Lower Upper

83 100

85 54.8 51.2 76.8

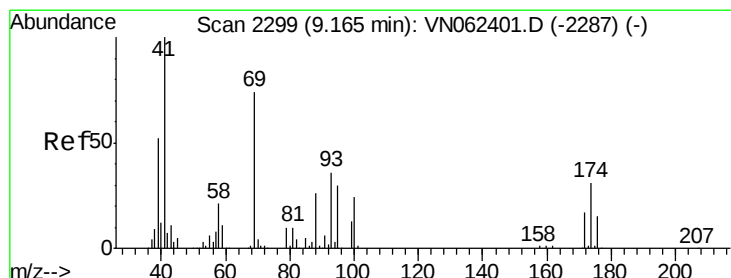
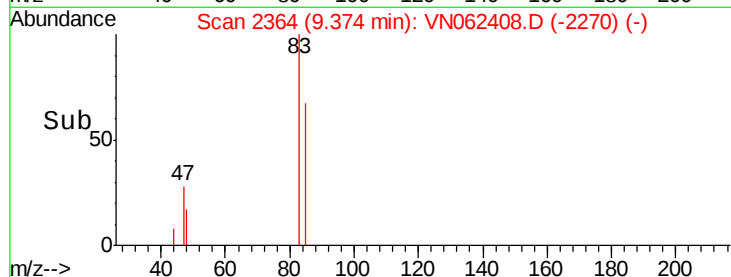
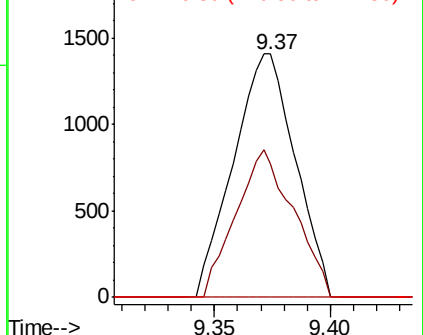
127 0.0 6.2 9.2#



Abundance Ion 82.90 (82.60 to 83.60): VN062408.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062408.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062408.D (-2270) (-)



#48

Methyl methacrylate

Concen: 0.736 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

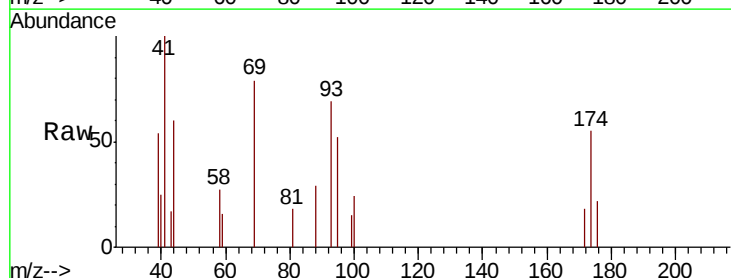
Tgt Ion: 41 Resp: 2164

Ion Ratio Lower Upper

41 100

69 70.6 60.8 91.2

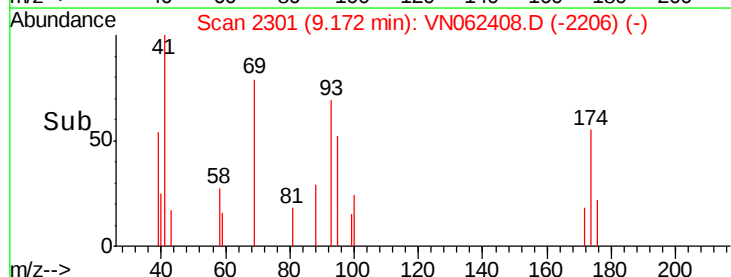
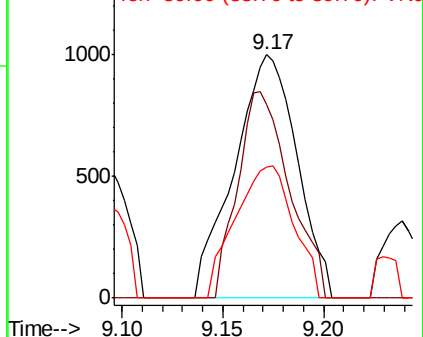
39 50.8 43.5 65.3

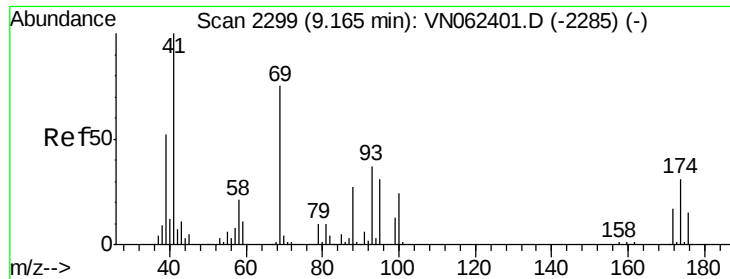


Abundance Ion 41.00 (40.70 to 41.70): VN062408.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062408.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062408.D (-2206) (-)





#49

1,4-Dioxane

Concen: 13.964 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

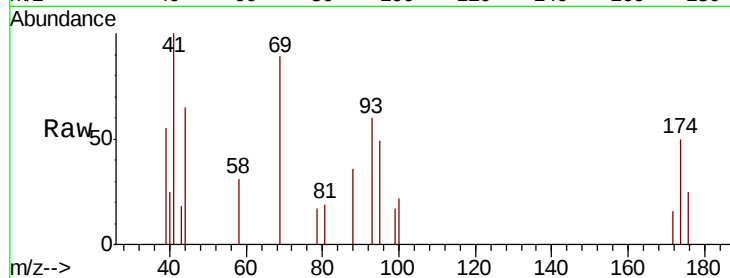
Tot Ion: 88 Resp: 598

Ion Ratio Lower Upper

88 100

43 26.1 31.0 46.4#

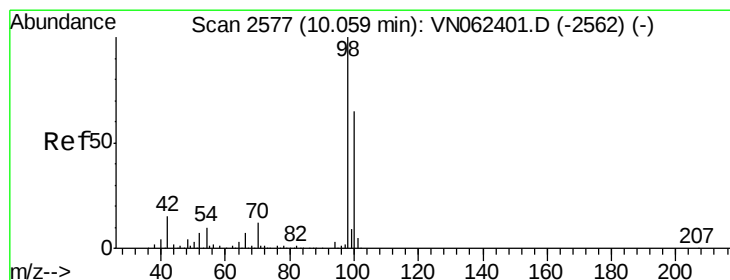
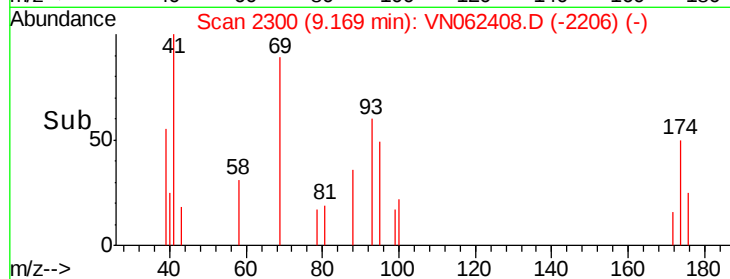
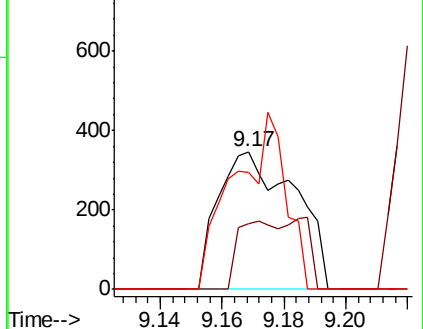
58 87.1 63.3 94.9



Abundance Ion 88.00 (87.70 to 88.70): VN062408.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN062408.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN062408.D (-2285) (-)



#50

Toluene-d8

Concen: 50.701 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062408.D

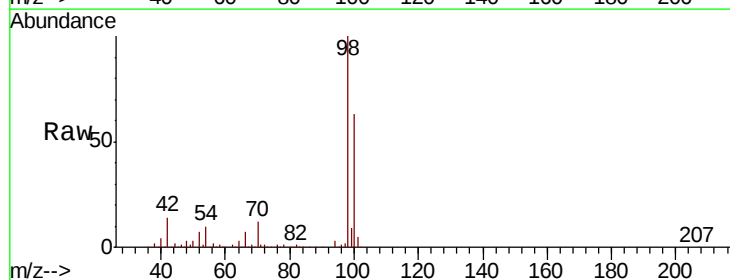
Acq: 8 Jul 2020 15:25

Tgt Ion: 98 Resp: 398745

Ion Ratio Lower Upper

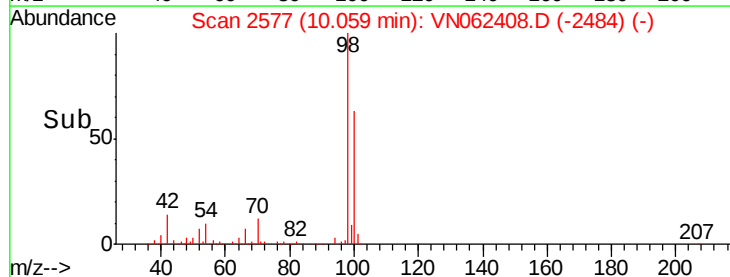
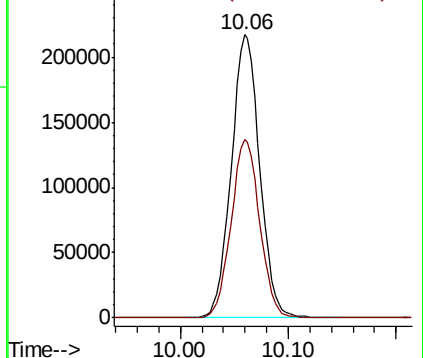
98 100

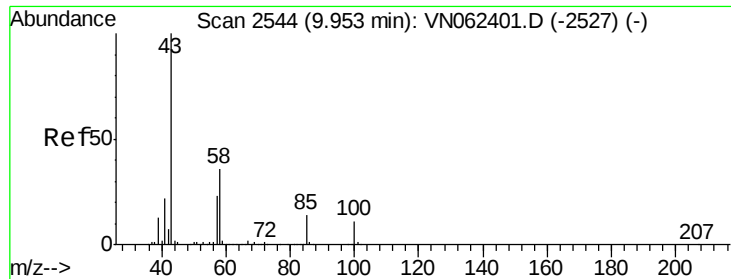
100 63.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN062408.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062408.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 3.532 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

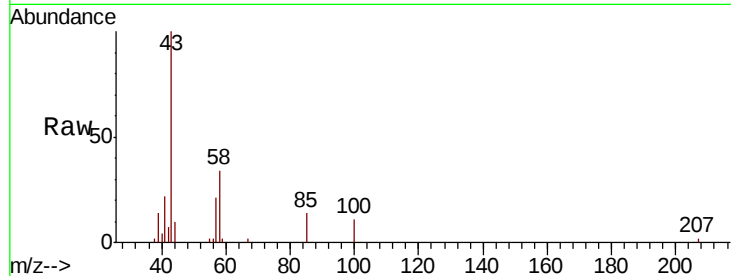
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 12655

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN062408.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062408.D (-2527) (-)

8000

6000

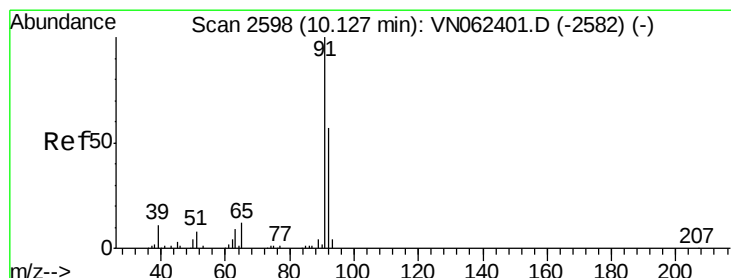
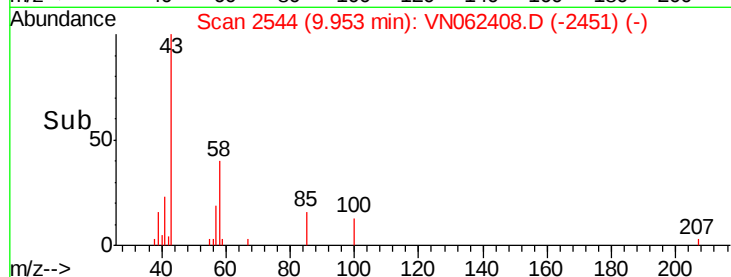
4000

2000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.829 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062408.D

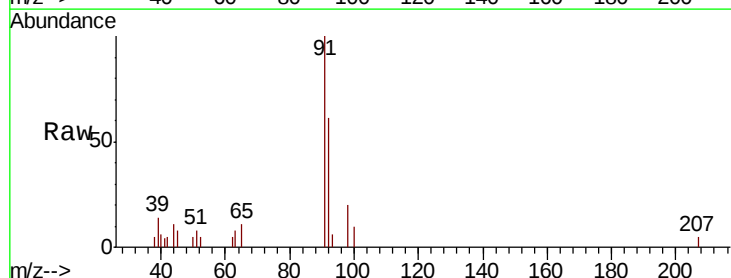
Acq: 8 Jul 2020 15:25

Tgt Ion: 92 Resp: 4585

Ion Ratio Lower Upper

92 100

91 163.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062408.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN062408.D (-2505) (-)

4000

3000

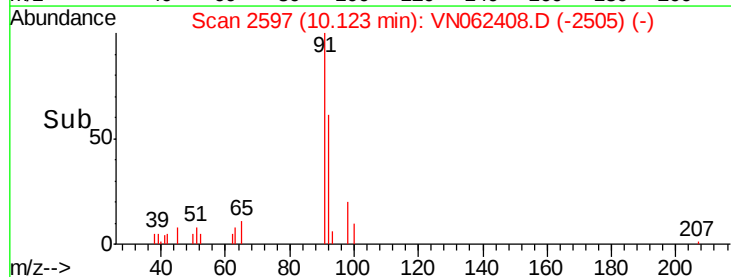
2000

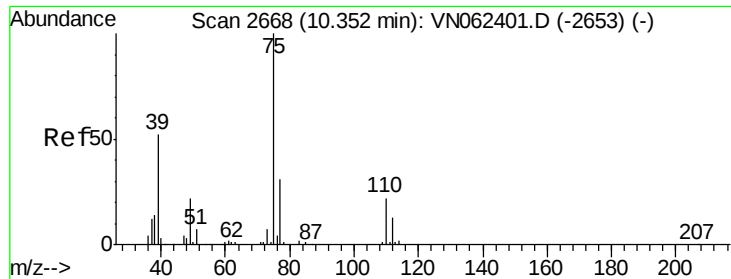
1000

0

10.10 10.12 10.15

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

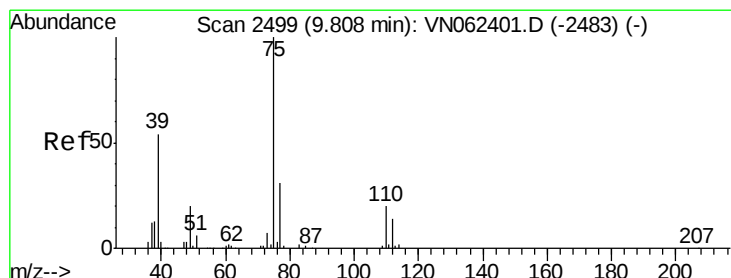
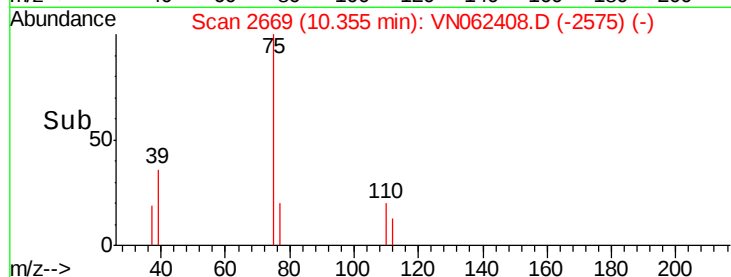
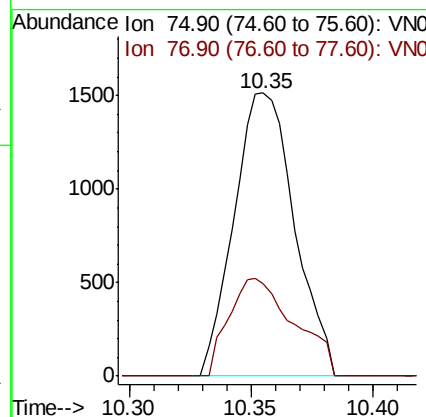
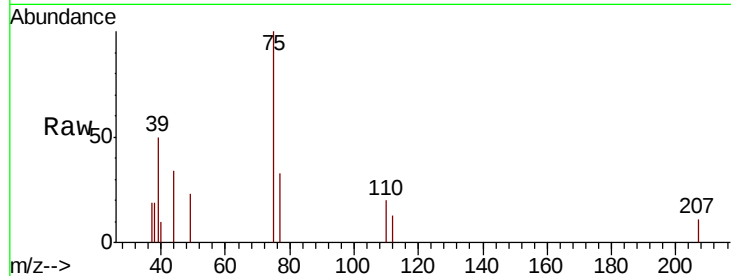
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 2605

Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 0.709 ug/l

RT: 9.81 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

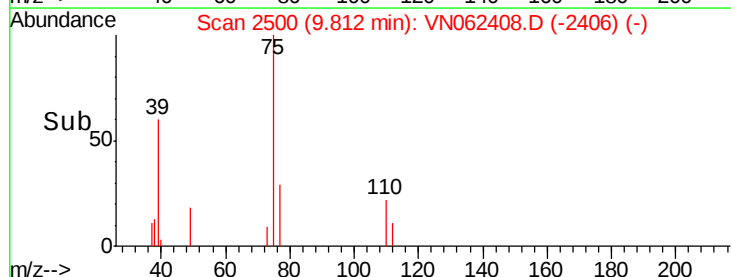
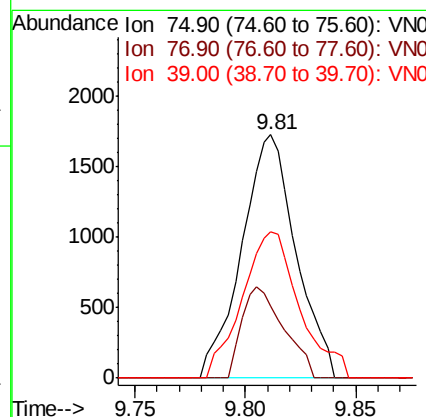
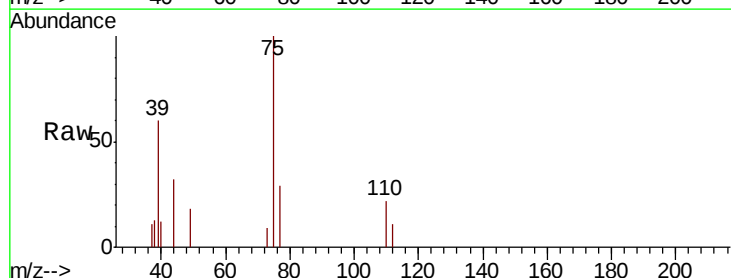
Tgt Ion: 75 Resp: 2938

Ion Ratio Lower Upper

75 100

77 29.4 24.5 36.7

39 60.3 43.4 65.0

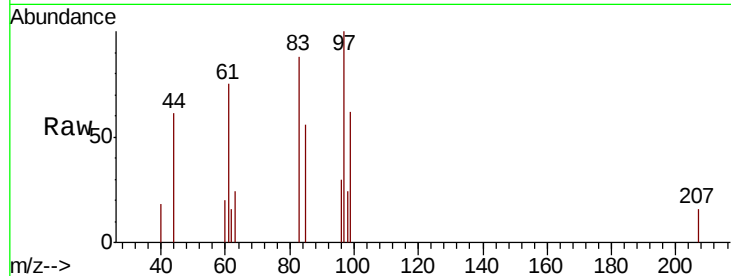




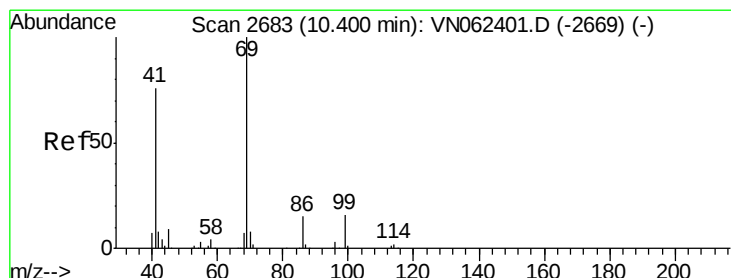
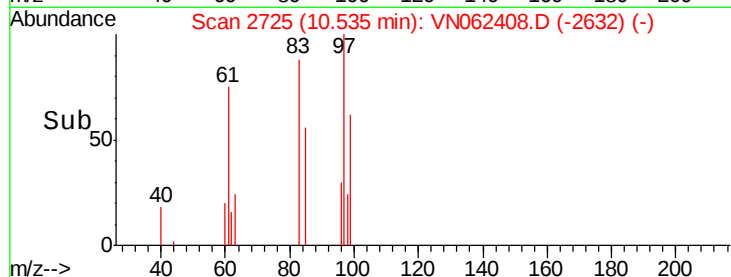
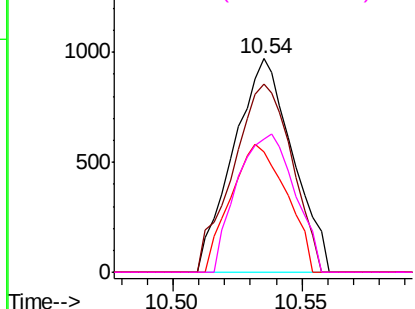
#55
 1,1,2-Trichloroethane
 Concen: 0.717 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

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

Tot Ion: 97 Resp: 1559
 Ion Ratio Lower Upper
 97 100
 83 88.1 71.0 106.4
 85 56.4 46.2 69.4
 99 62.1 49.7 74.5

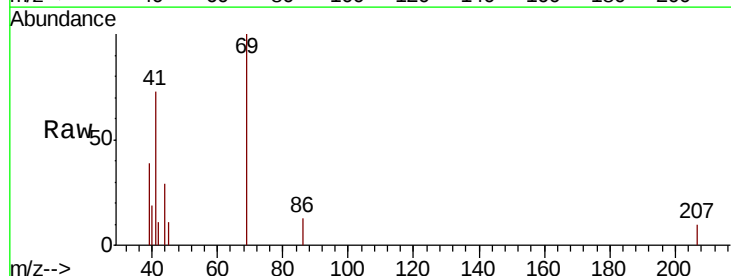


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

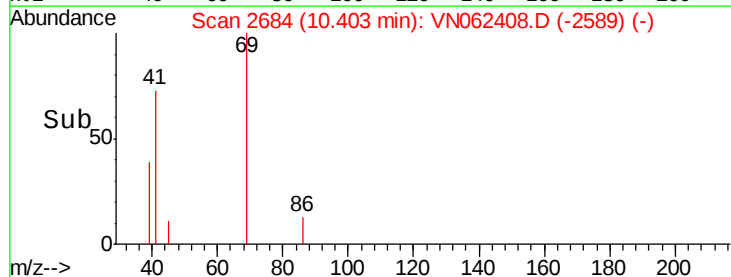
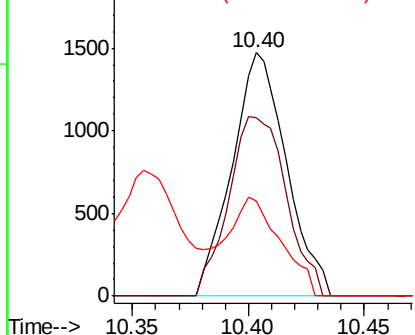


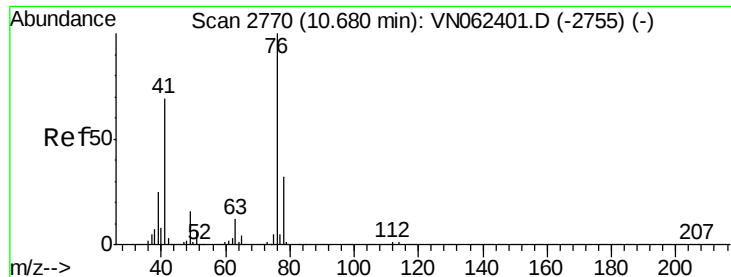
#56
 Ethyl methacrylate
 Concen: 0.661 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 69 Resp: 2400
 Ion Ratio Lower Upper
 69 100
 41 78.0 59.7 89.5
 39 39.1 30.6 45.8



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

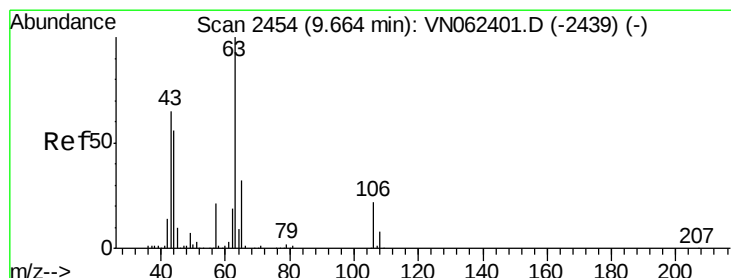
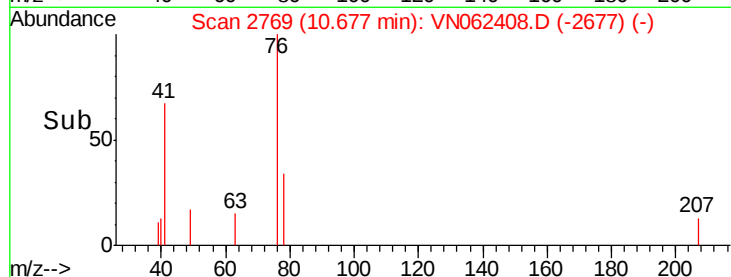
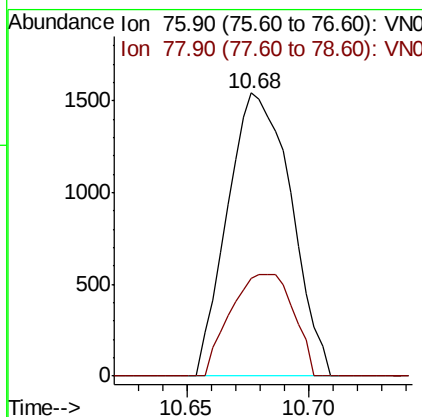
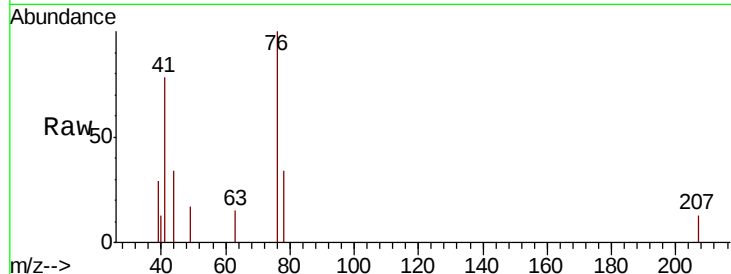




#57
 1,3-Dichloropropane
 Concen: 0.696 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

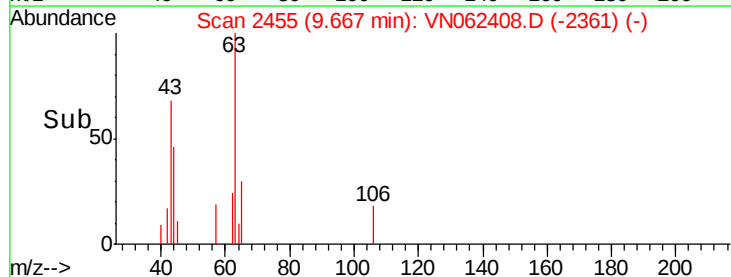
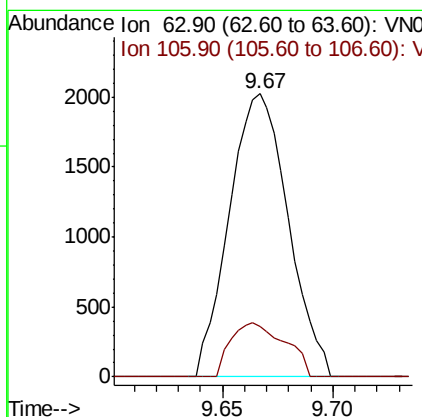
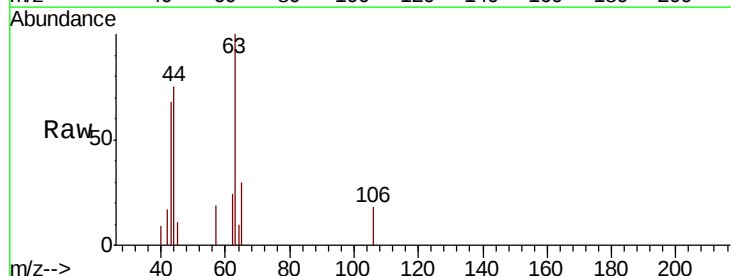
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

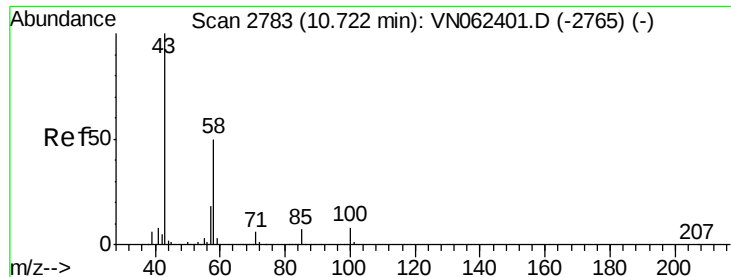
Tot Ion: 76 Resp: 2794
 Ion Ratio Lower Upper
 76 100
 78 35.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.906 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 63 Resp: 3748
 Ion Ratio Lower Upper
 63 100
 106 17.6 17.6 26.4

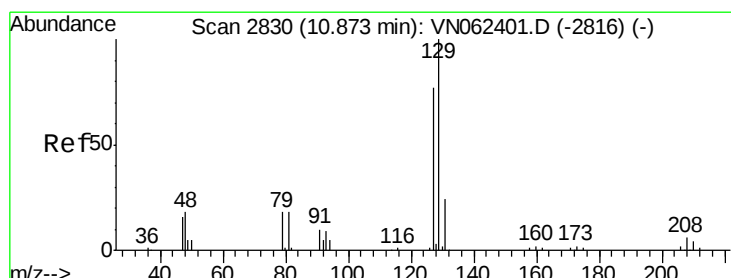
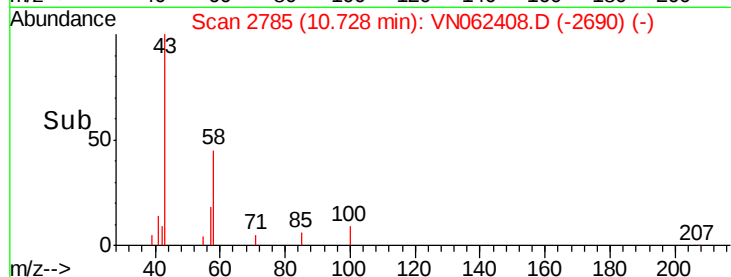
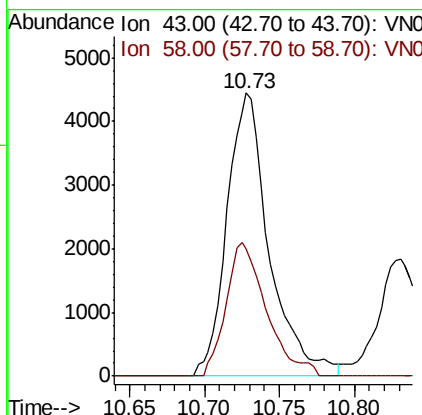
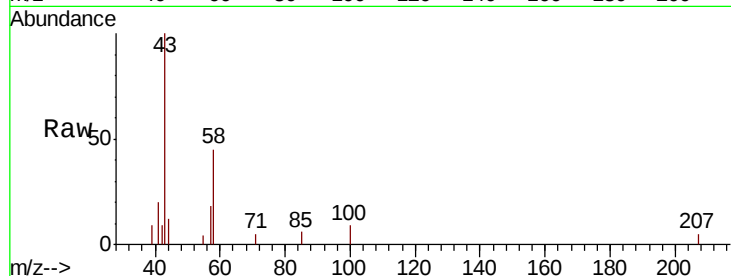




#59
2-Hexanone
Concen: 3.361 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

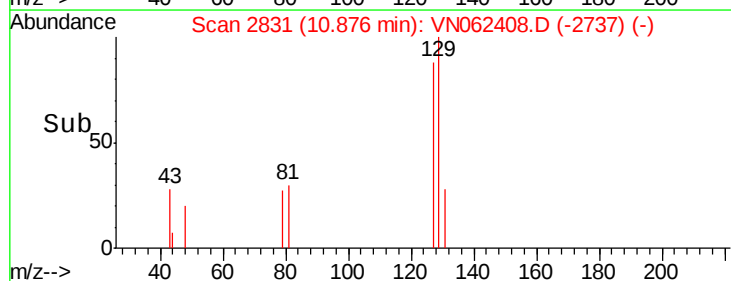
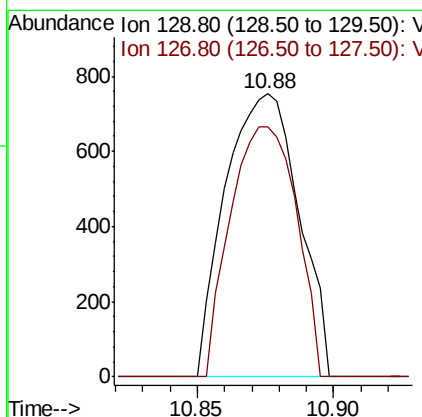
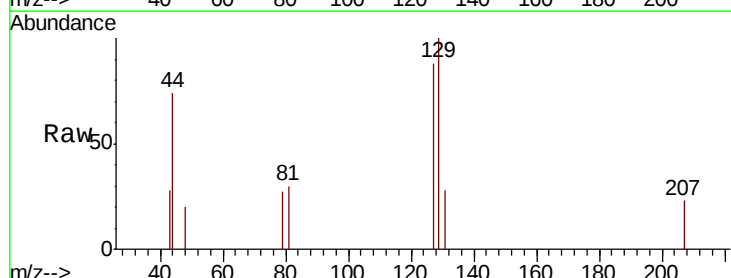
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

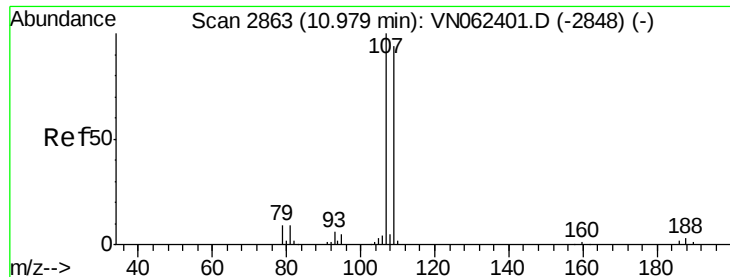
Tot Ion: 43 Resp: 8742
Ion Ratio Lower Upper
43 100
58 45.1 25.1 75.2



#60
Dibromochloromethane
Concen: 0.598 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 129 Resp: 1409
Ion Ratio Lower Upper
129 100
127 79.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.701 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

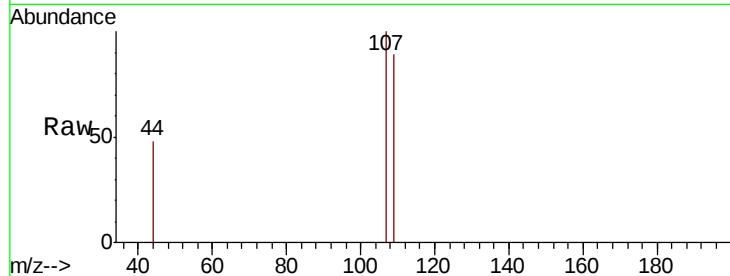
LOD-MDL-WATER-01-QT3-2020

Tot Ion:107 Resp: 1538

Ion Ratio Lower Upper

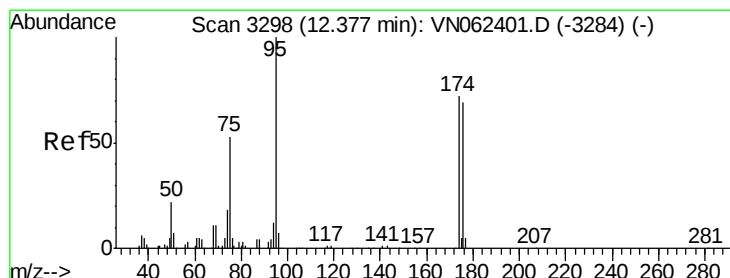
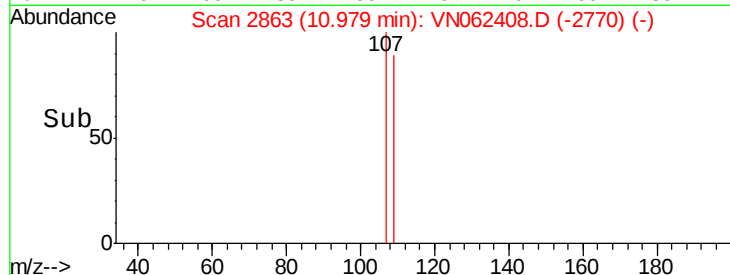
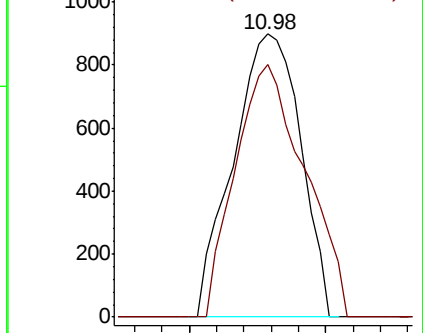
107 100

109 92.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.390 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

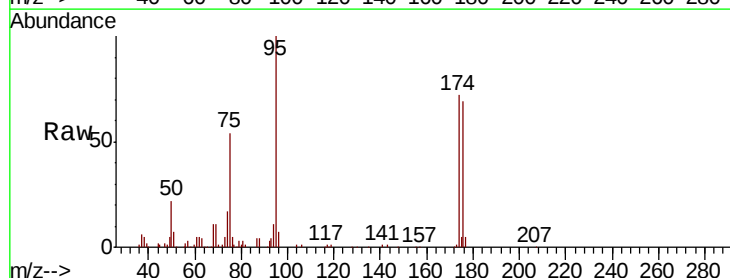
Tgt Ion: 95 Resp: 130452

Ion Ratio Lower Upper

95 100

174 72.2 0.0 141.6

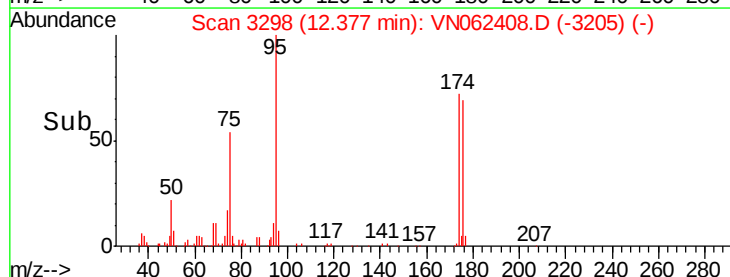
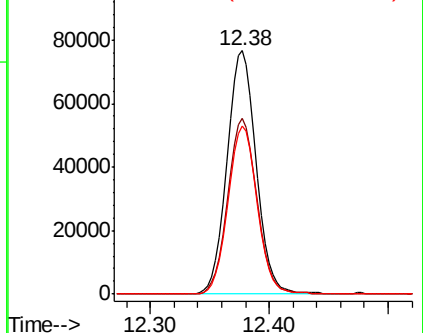
176 69.0 0.0 137.2

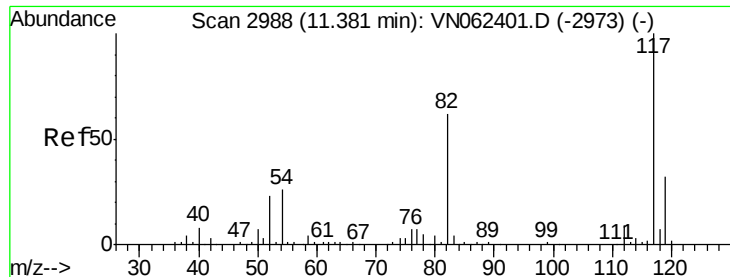


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

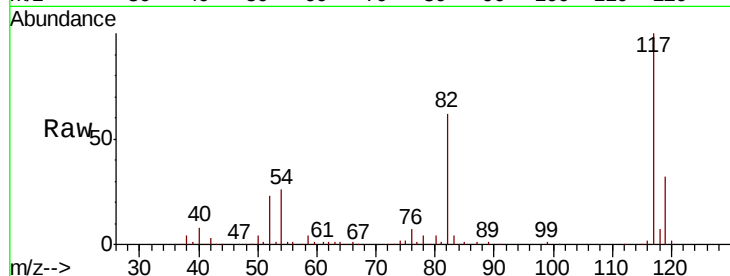




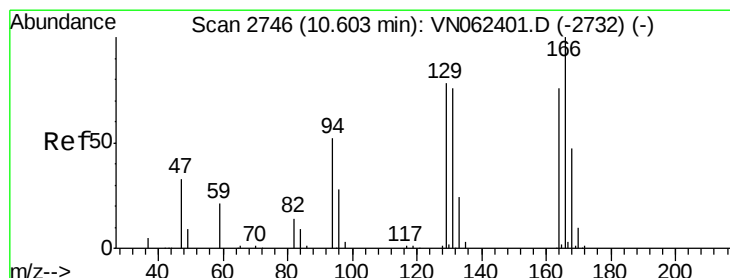
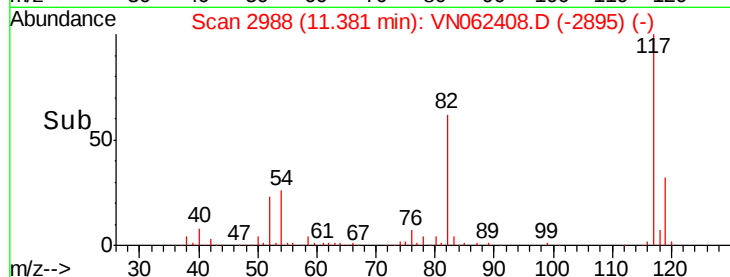
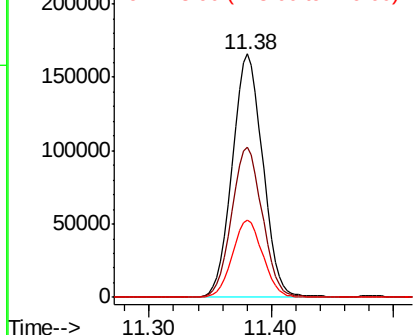
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

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

Tot Ion:117 Resp: 288966
Ion Ratio Lower Upper
117 100
82 61.7 49.6 74.4
119 31.8 25.4 38.0

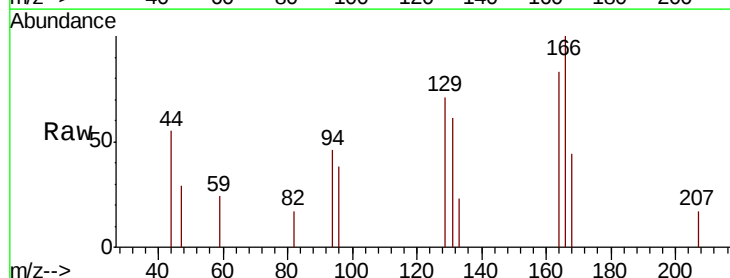


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

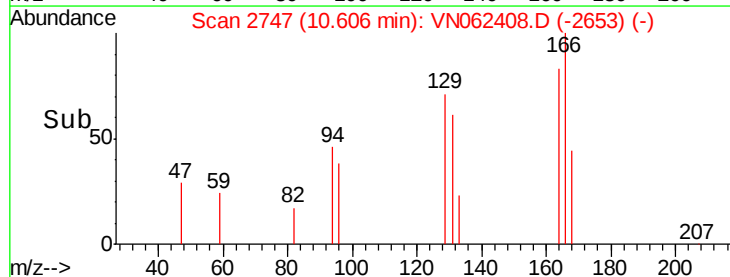
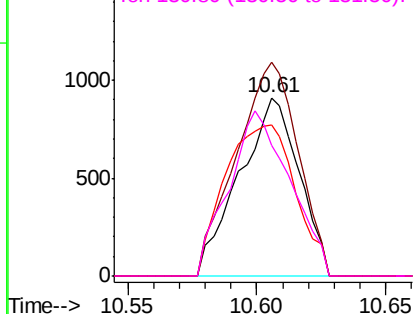


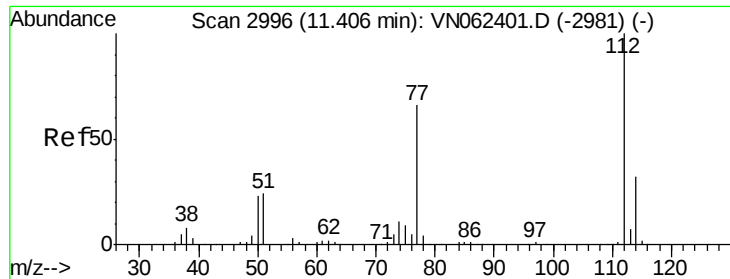
#64
Tetrachloroethene
Concen: 0.854 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion:164 Resp: 1465
Ion Ratio Lower Upper
164 100
166 119.9 104.9 157.3
129 84.7 81.8 122.6
131 73.6 79.3 118.9#



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





#65

Chlorobenzene

Concen: 0.828 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

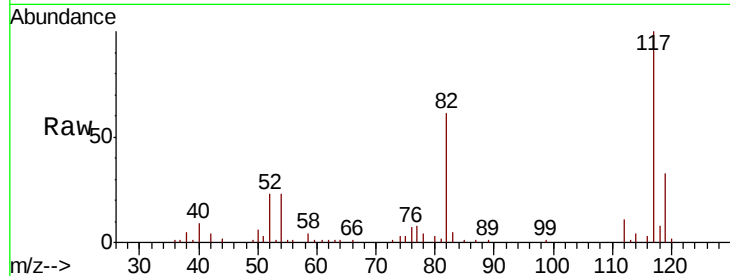
LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 4650

Ion Ratio Lower Upper

112 100

114 35.7 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

2500

2000

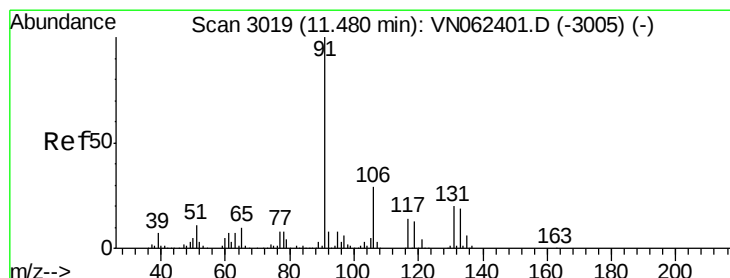
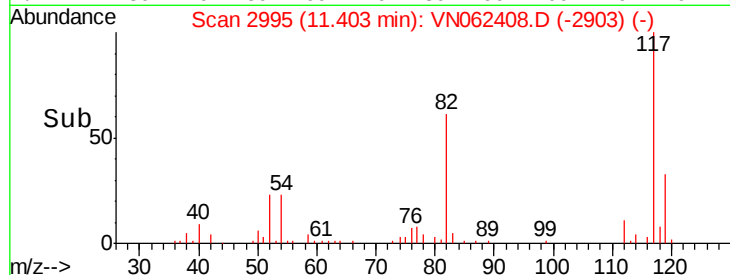
1500

1000

500

0

Time--> 11.35 11.40 11.45



#66

1,1,1,2-Tetrachloroethane

Concen: 0.732 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

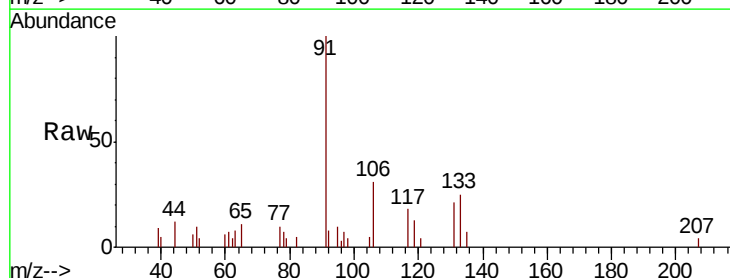
Tgt Ion:131 Resp: 1517

Ion Ratio Lower Upper

131 100

133 112.3 46.9 140.8

119 0.0 33.2 99.6#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

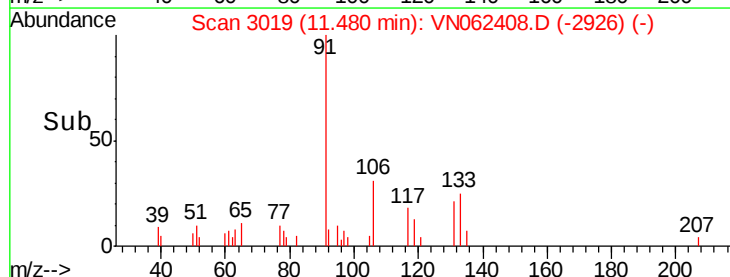
1500

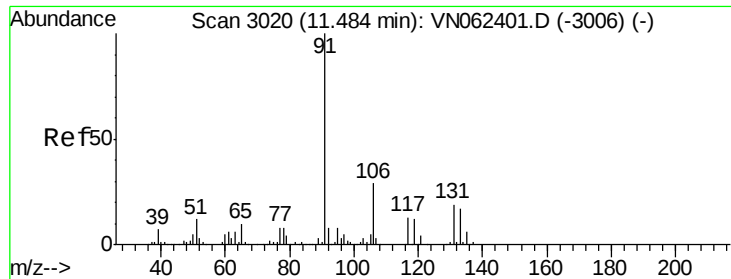
1000

500

0

Time--> 11.45 11.50





#67

Ethyl Benzene

Concen: 0.737 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

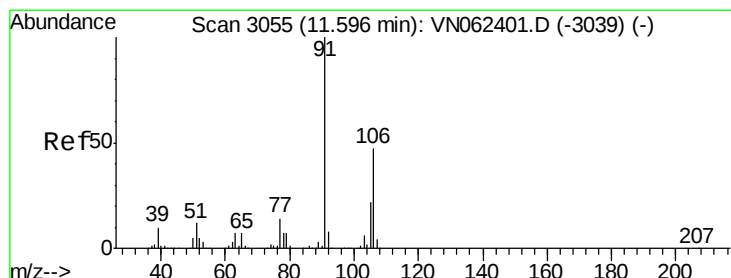
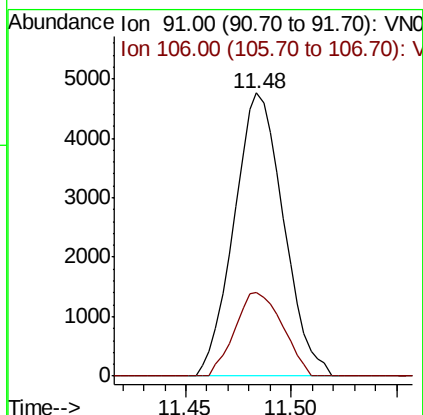
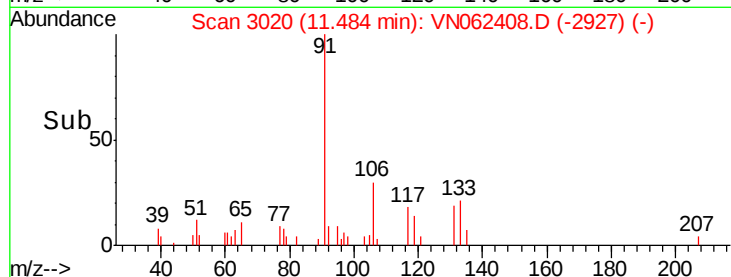
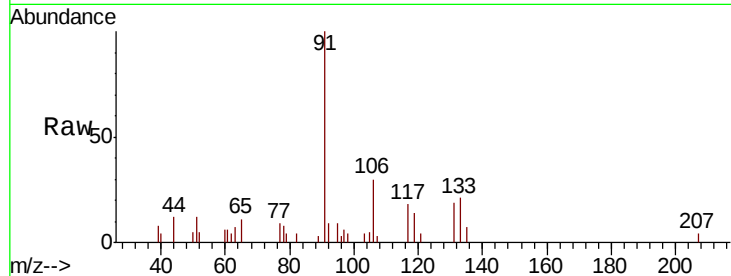
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 7766

Ion Ratio Lower Upper

91 100

106 29.6 23.4 35.2



#68

m/p-Xylenes

Concen: 1.401 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062408.D

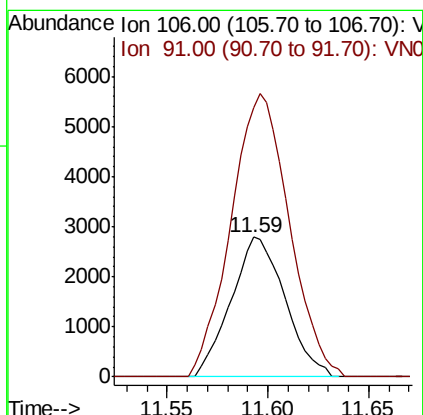
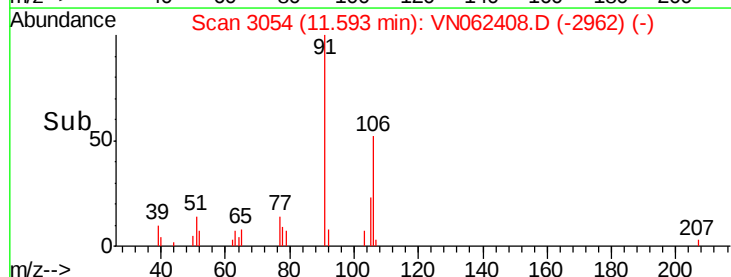
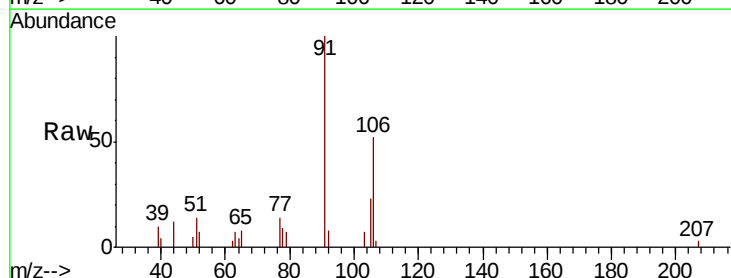
Acq: 8 Jul 2020 15:25

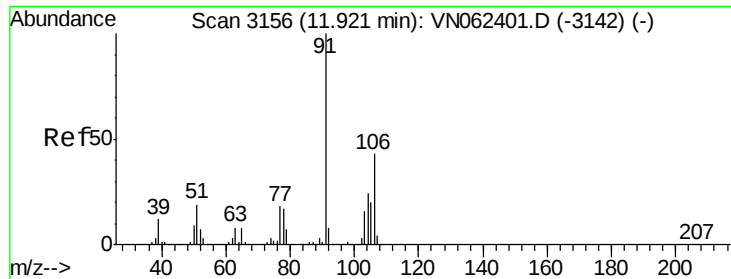
Tgt Ion: 106 Resp: 5228

Ion Ratio Lower Upper

106 100

91 217.8 172.4 258.6

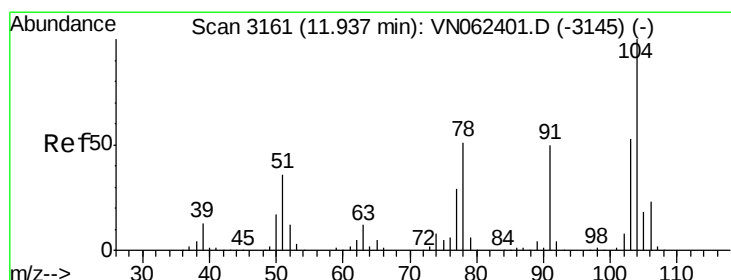
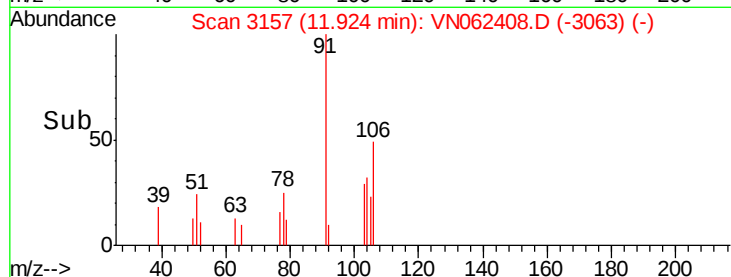
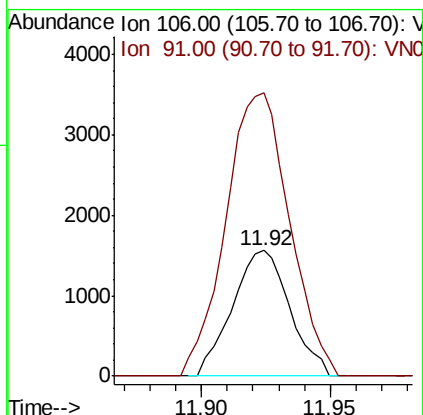
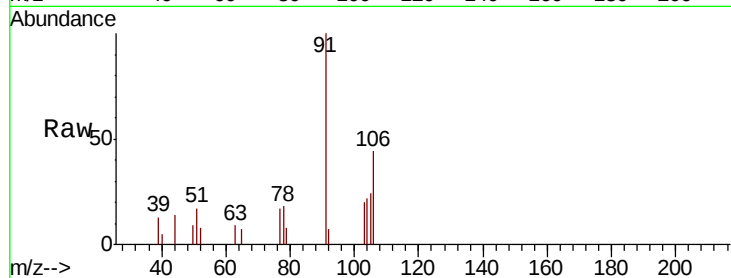




#69
o-Xylene
Concen: 0.668 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

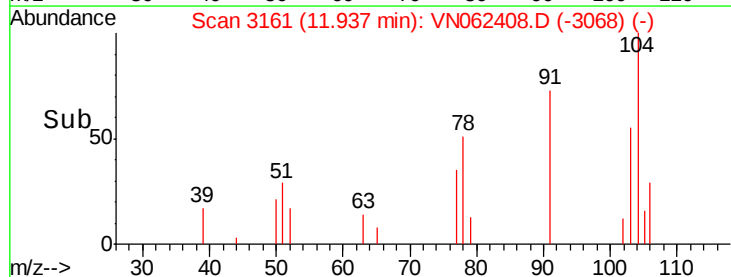
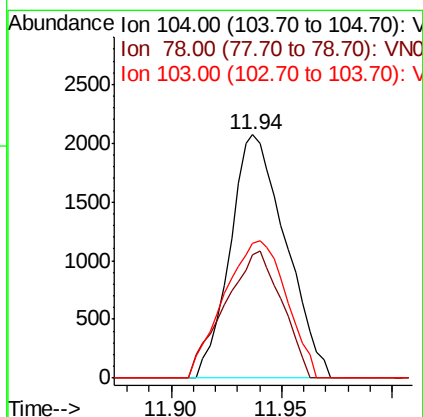
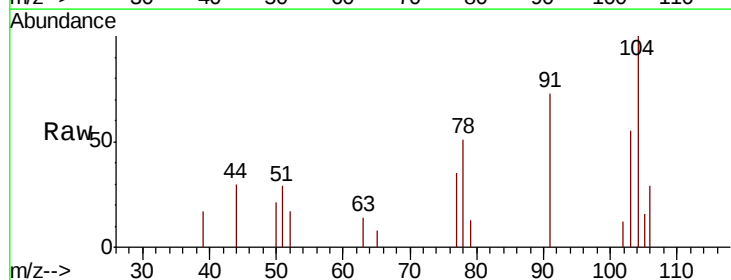
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

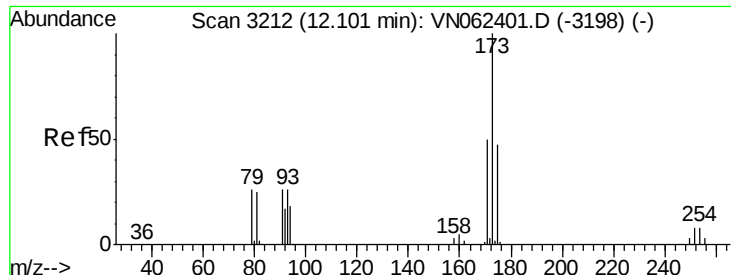
Tot Ion:106 Resp: 2427
Ion Ratio Lower Upper
106 100
91 250.1 113.8 341.4



#70
Styrene
Concen: 0.600 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion:104 Resp: 3602
Ion Ratio Lower Upper
104 100
78 53.7 44.2 66.4
103 63.5 44.4 66.6





#71

Bromoform

Concen: 0.715 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

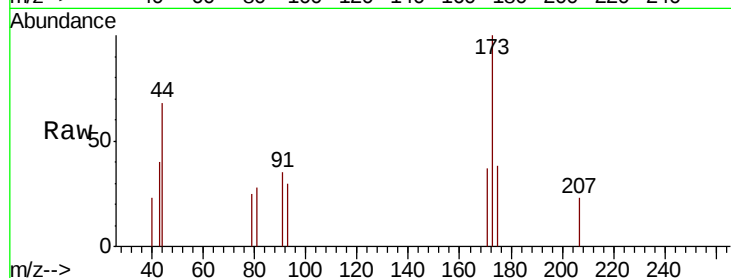
Tot Ion:173 Resp: 1086

Ion Ratio Lower Upper

173 100

175 39.3 23.7 71.1

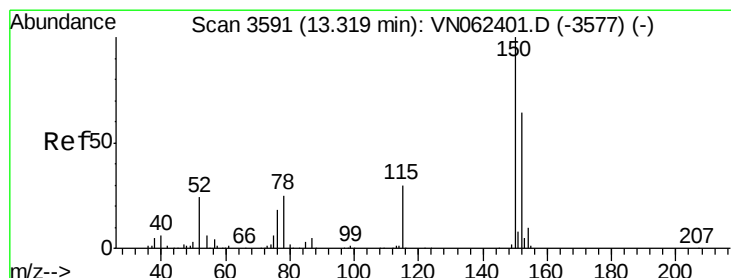
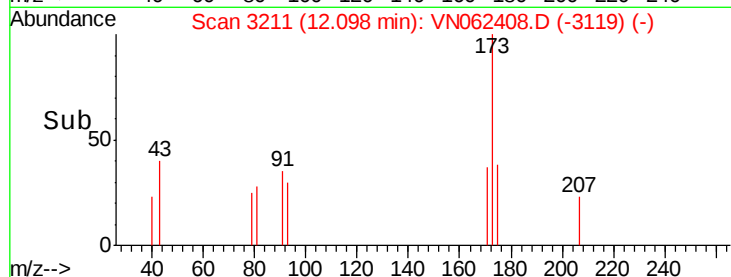
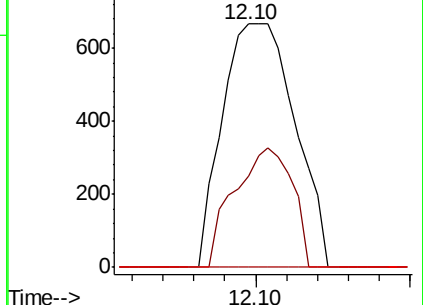
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

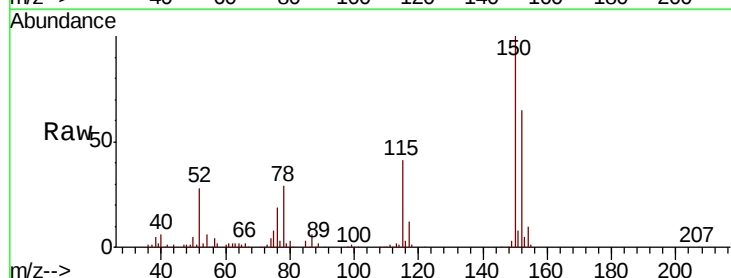
Tgt Ion:152 Resp: 107970

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

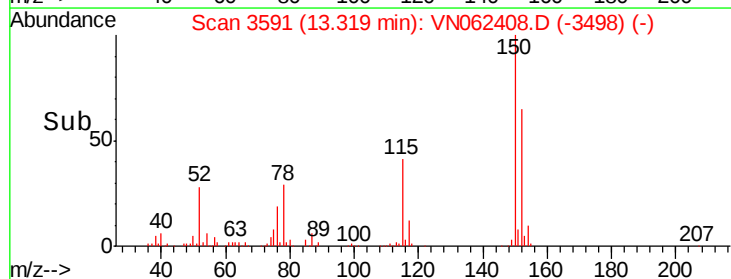
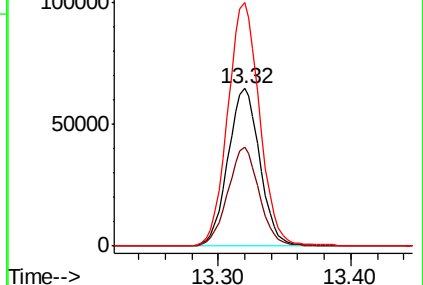
150 155.4 0.0 347.4

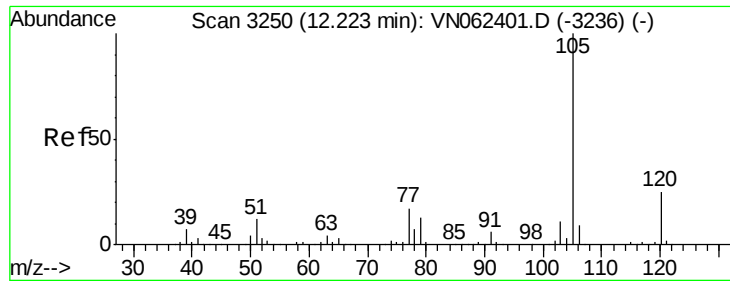


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.788 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

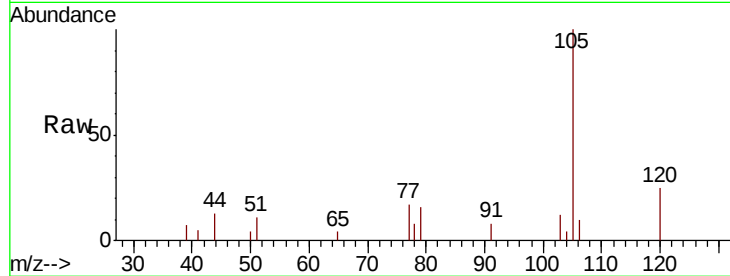
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 6582

Ion Ratio Lower Upper

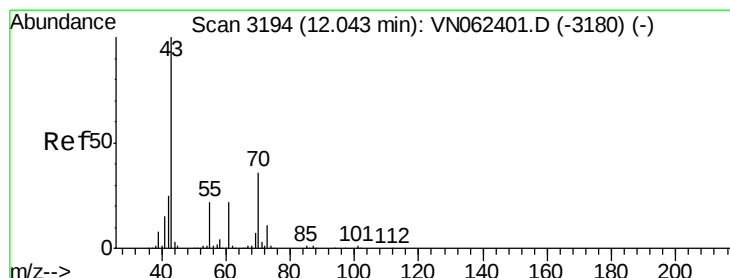
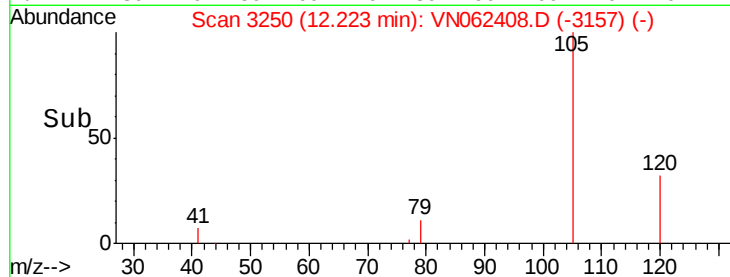
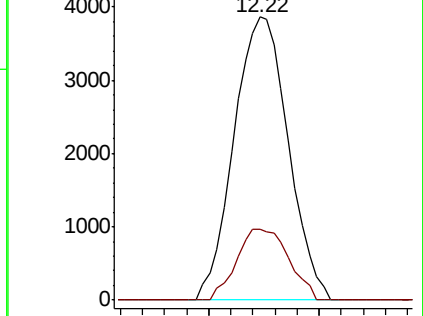
105 100

120 24.1 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.735 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion: 43 Resp: 2989

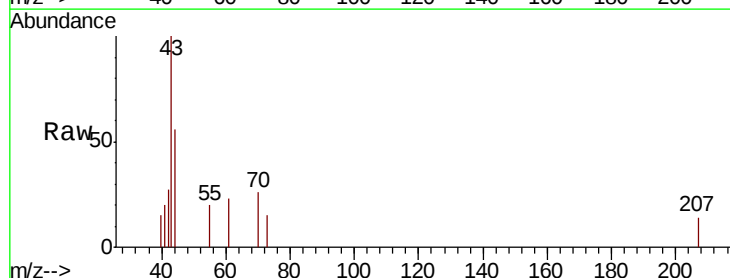
Ion Ratio Lower Upper

43 100

70 19.5 30.0 45.0#

55 11.2 18.2 27.4#

61 7.2 17.7 26.5#

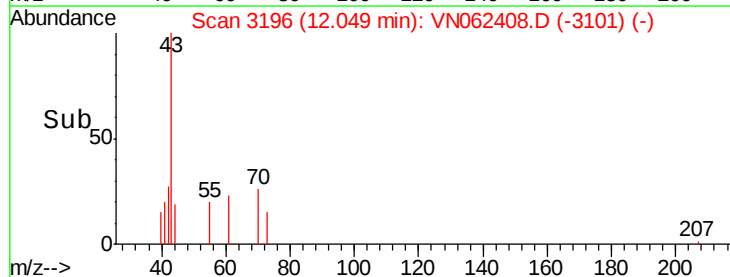
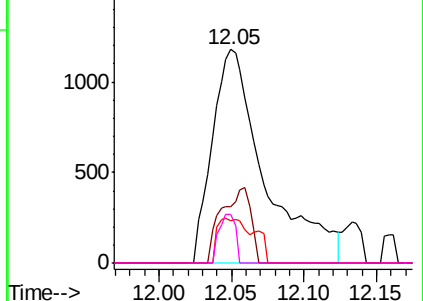


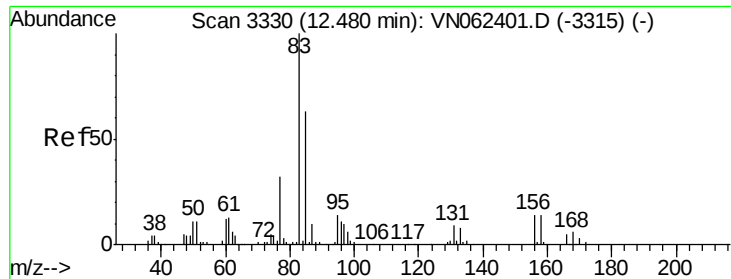
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

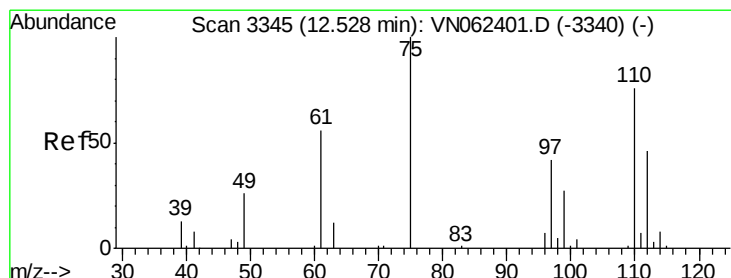
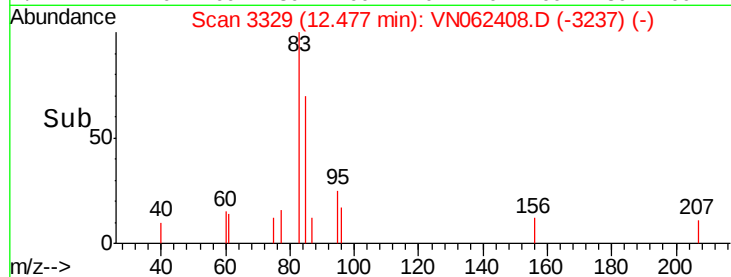
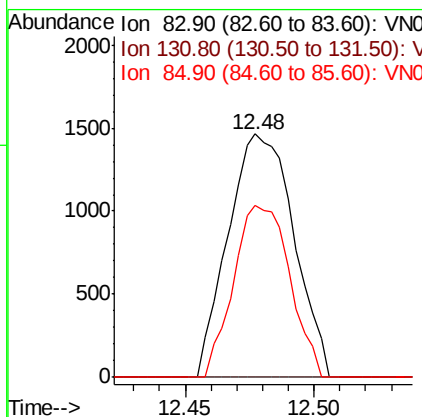
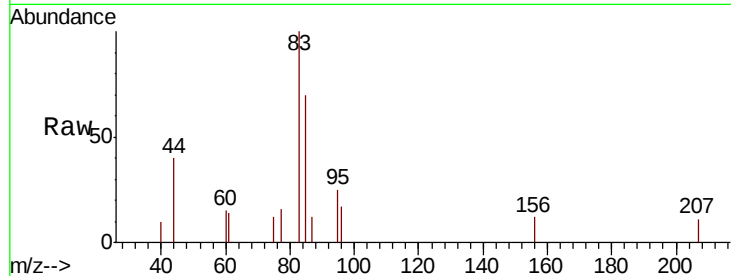




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.926 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

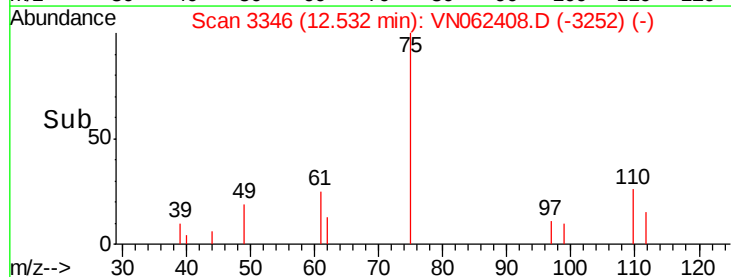
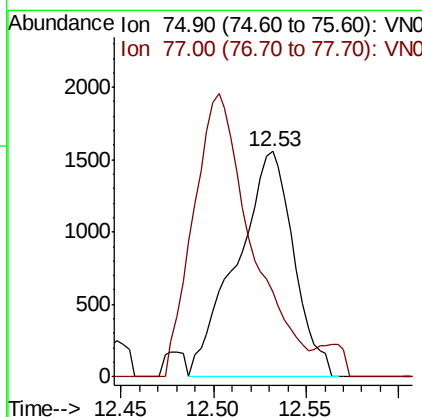
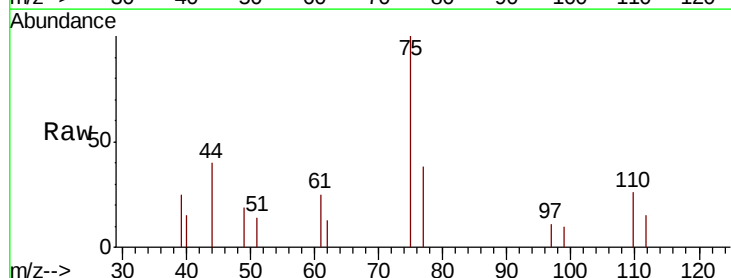
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

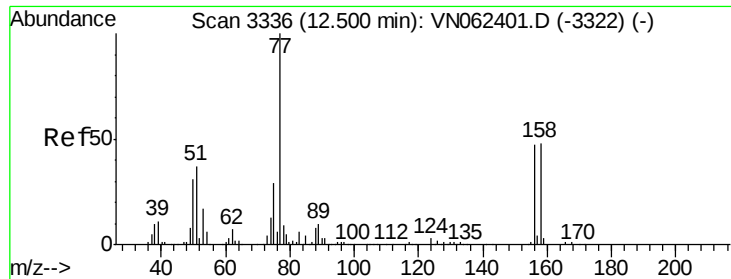
Tot Ion: 83 Resp: 2600
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.5 13.5#
 85 60.5 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 1.252 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 75 Resp: 3317
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 0.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

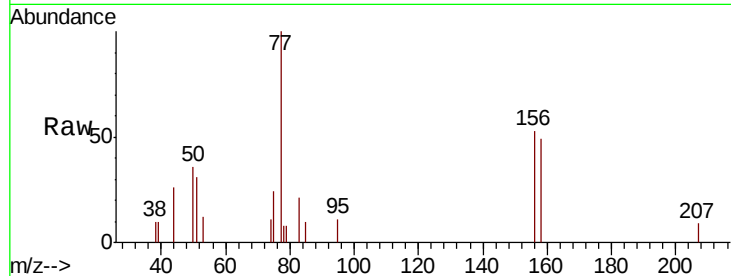
Tot Ion:156 Resp: 1692

Ion Ratio Lower Upper

156 100

77 252.3 126.4 379.3

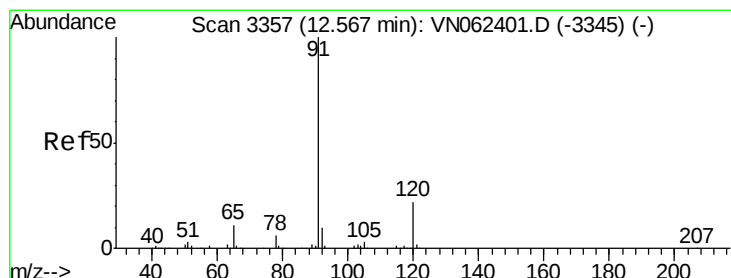
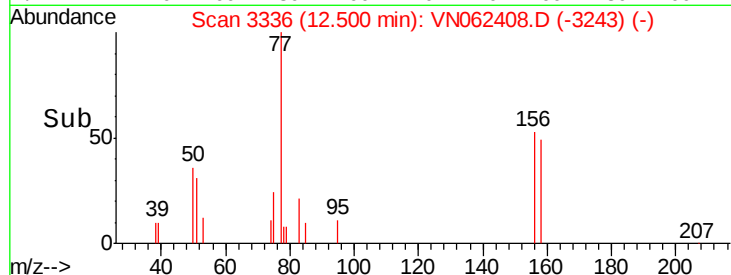
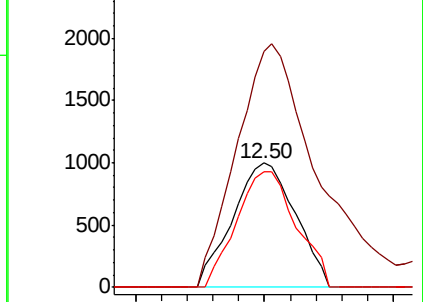
158 88.5 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.811 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062408.D

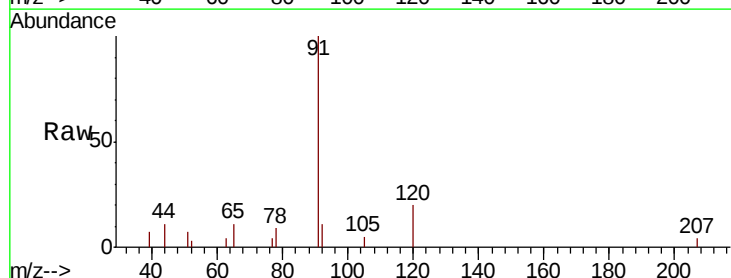
Acq: 8 Jul 2020 15:25

Tgt Ion: 91 Resp: 7911

Ion Ratio Lower Upper

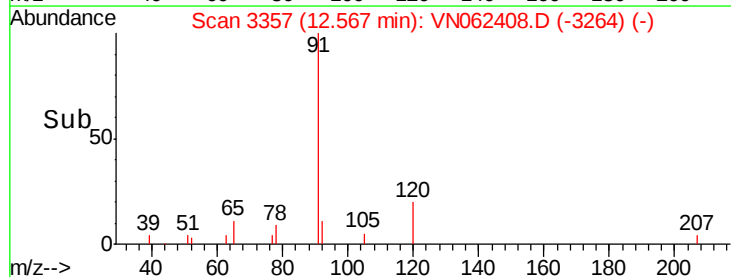
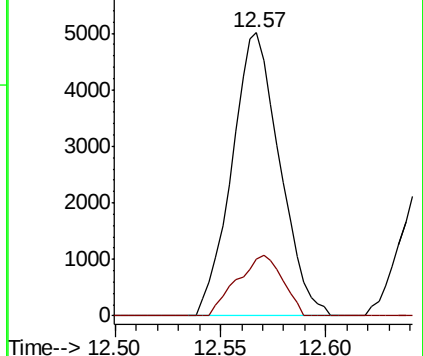
91 100

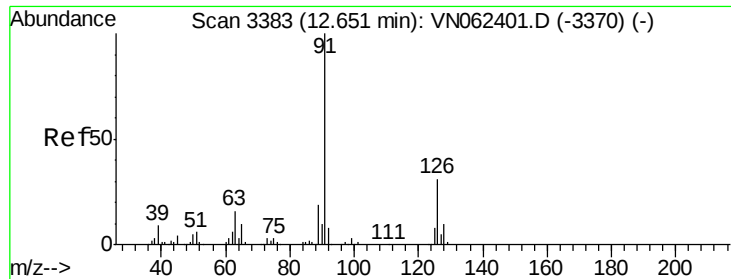
120 20.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.875 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

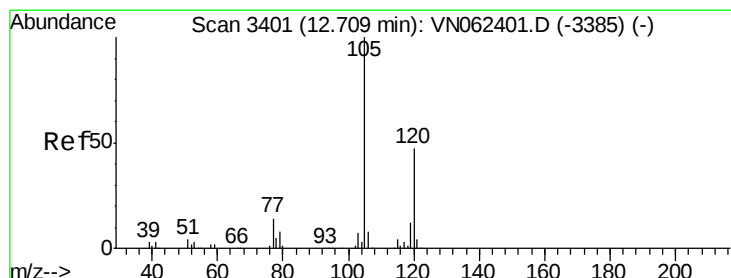
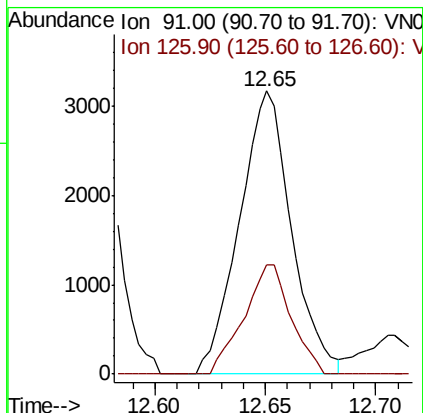
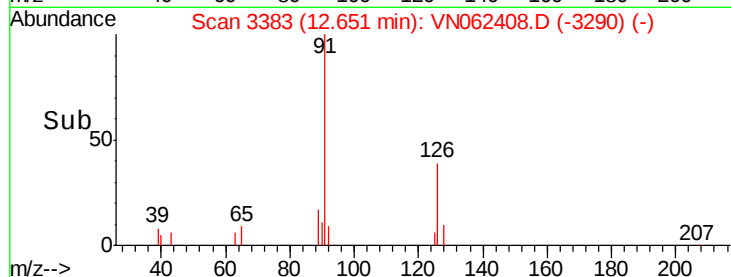
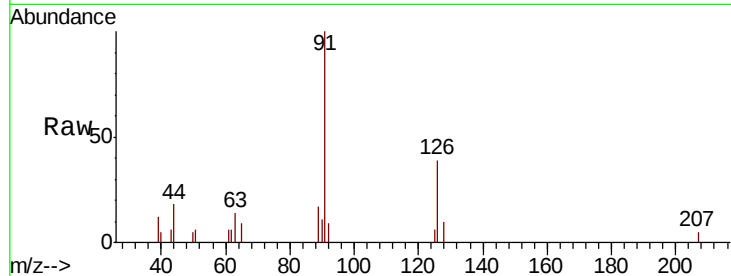
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 5184

Ion Ratio Lower Upper

91 100

126 34.8 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 0.801 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062408.D

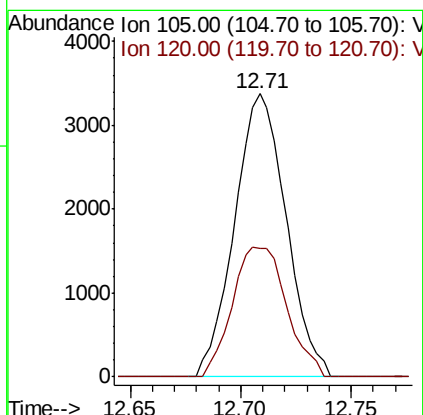
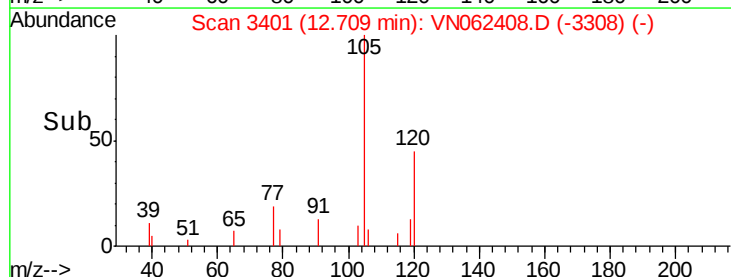
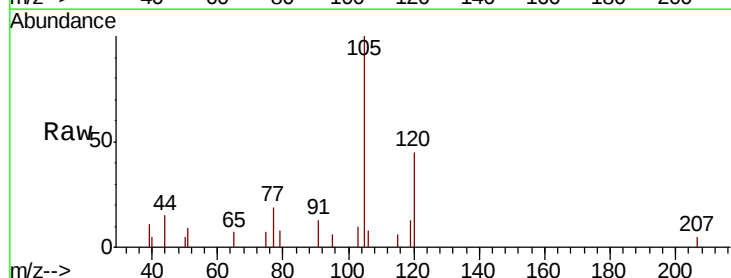
Acq: 8 Jul 2020 15:25

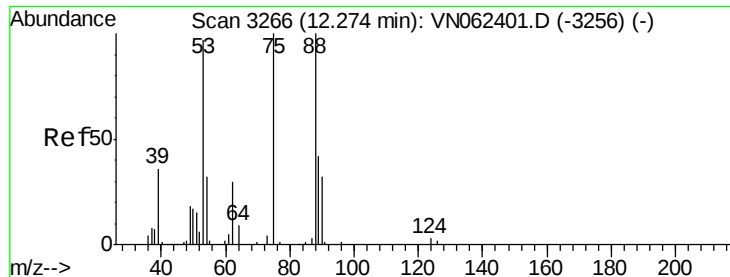
Tgt Ion: 105 Resp: 5489

Ion Ratio Lower Upper

105 100

120 48.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 71.030 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

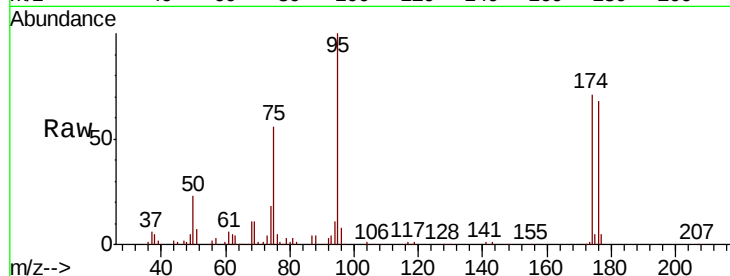
Tot Ion: 75 Resp: 70304

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

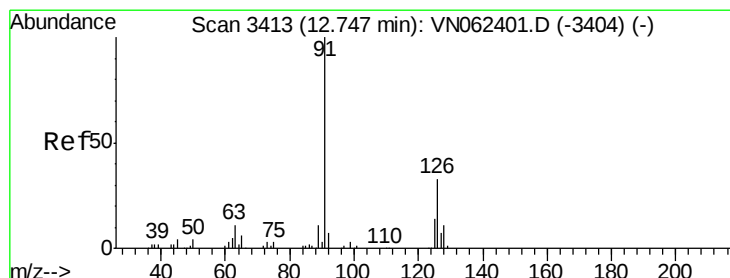
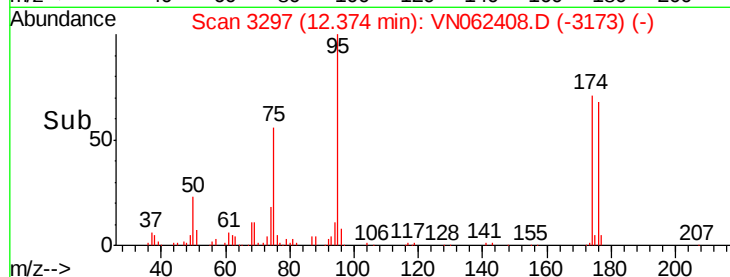
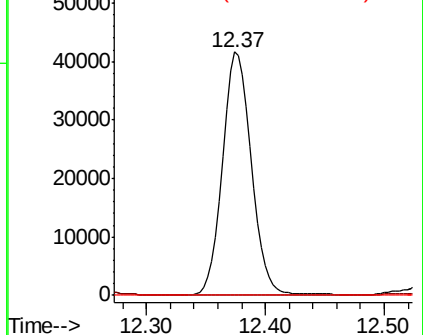
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.893 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062408.D

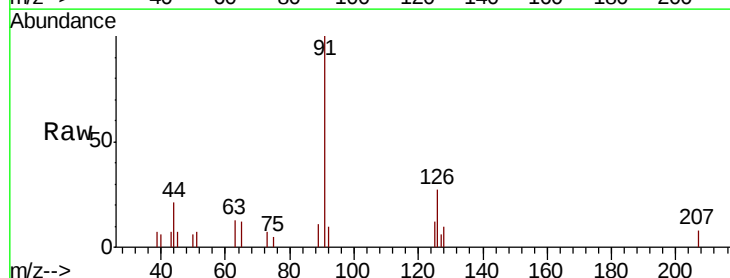
Acq: 8 Jul 2020 15:25

Tgt Ion: 91 Resp: 5371

Ion Ratio Lower Upper

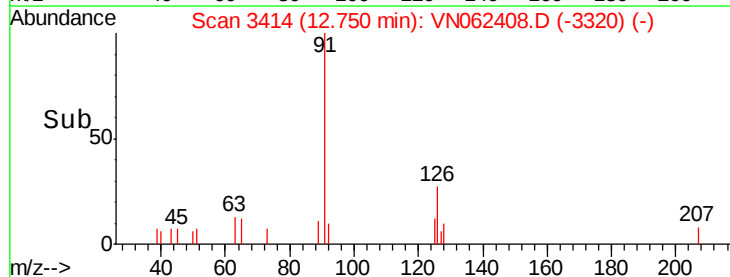
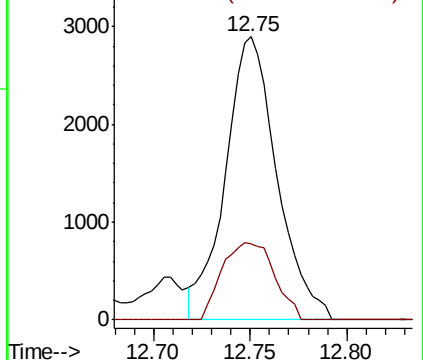
91 100

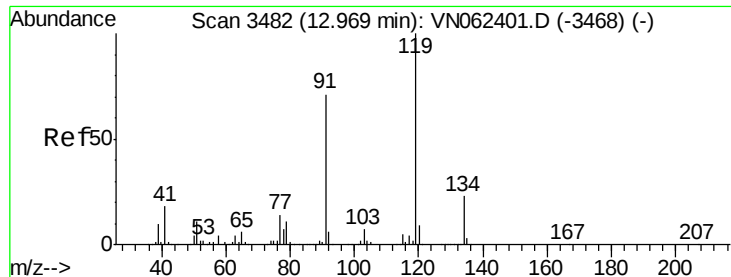
126 27.7 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

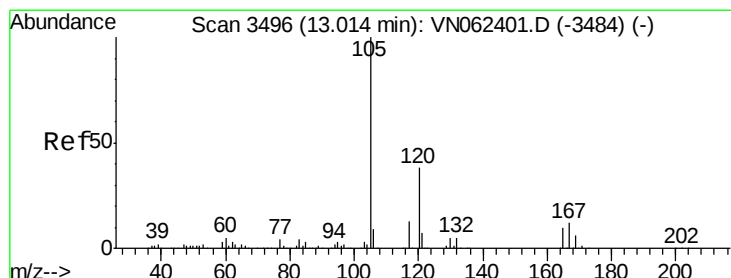
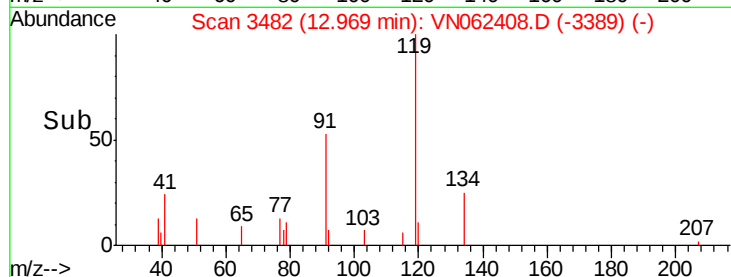
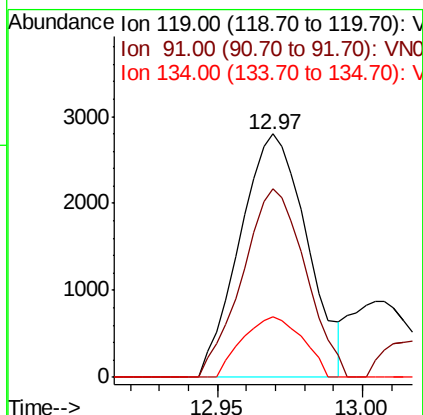
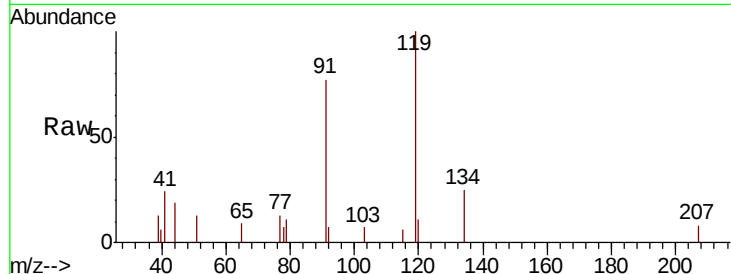




#83
 tert-Butylbenzene
 Concen: 0.774 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

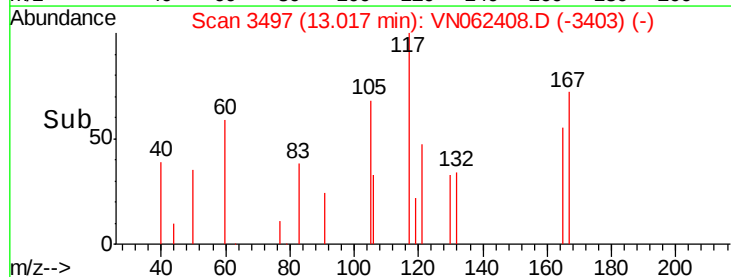
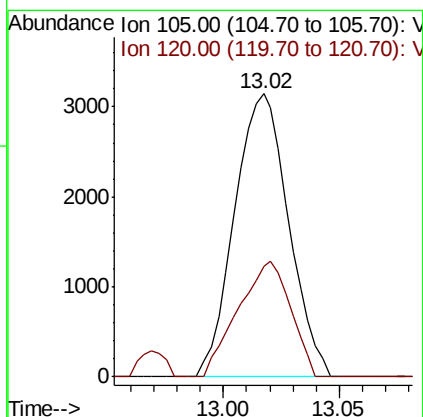
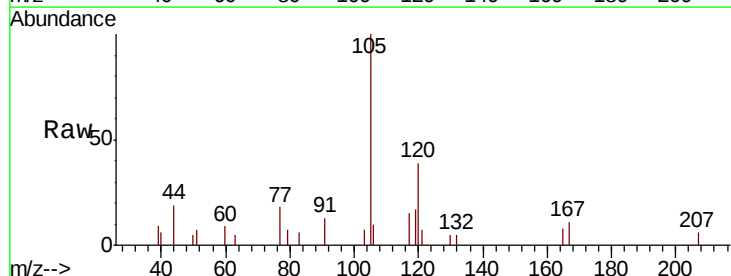
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:119 Resp: 4501
 Ion Ratio Lower Upper
 119 100
 91 72.7 34.8 104.3
 134 22.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.747 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion:105 Resp: 5085
 Ion Ratio Lower Upper
 105 100
 120 39.8 21.6 64.8

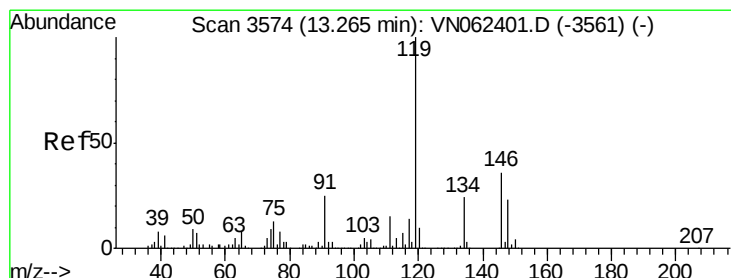
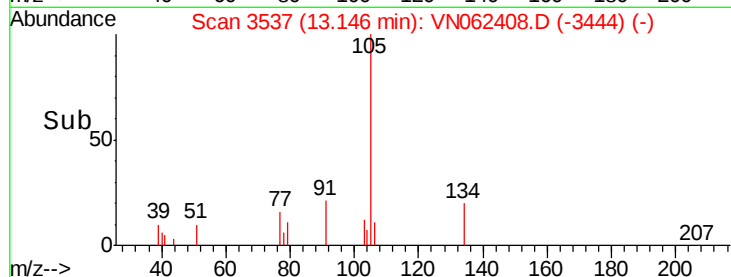
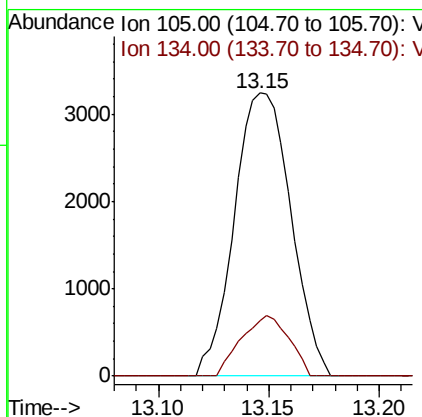
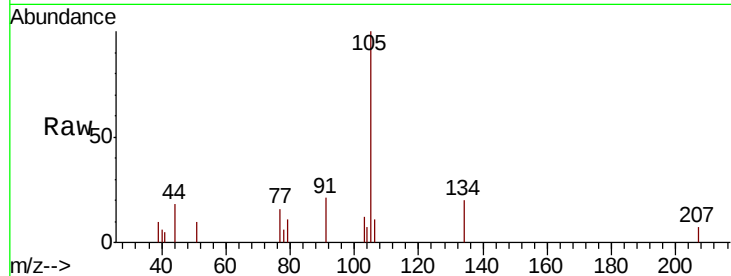




#85
 sec-Butylbenzene
 Concen: 0.751 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

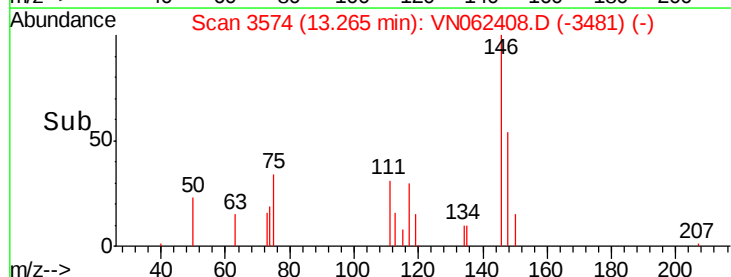
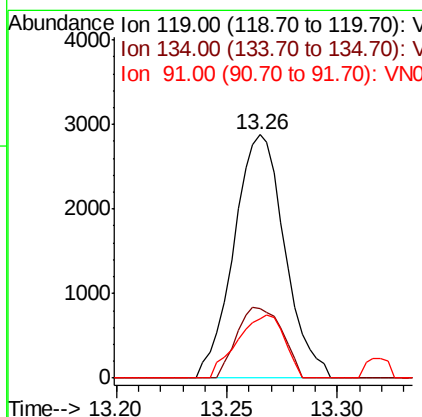
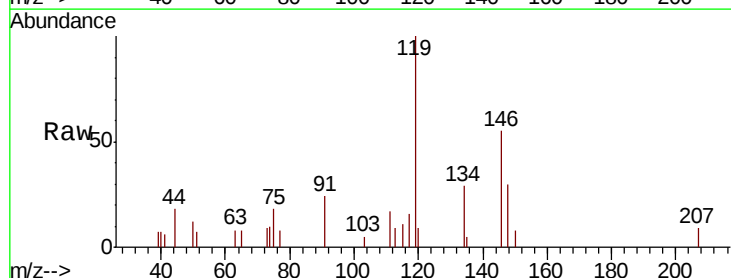
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

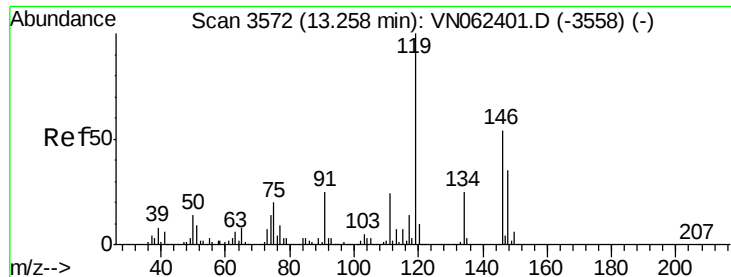
Tot Ion:105 Resp: 5785
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 0.695 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion:119 Resp: 4618
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.4 37.0
 91 24.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 0.847 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

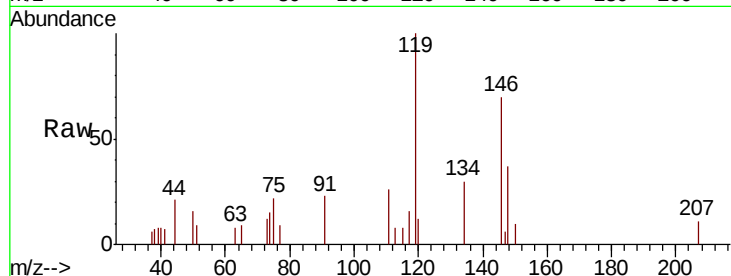
Tot Ion:146 Resp: 2776

Ion Ratio Lower Upper

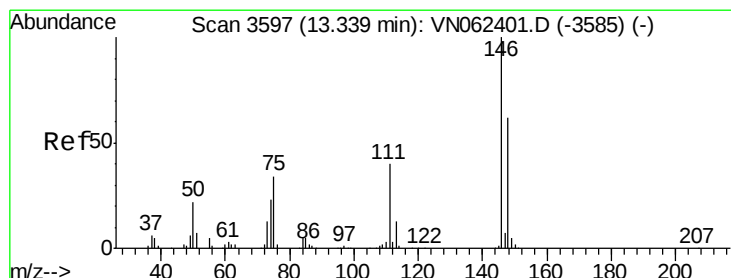
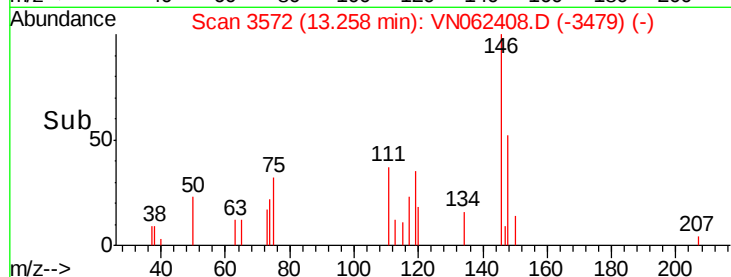
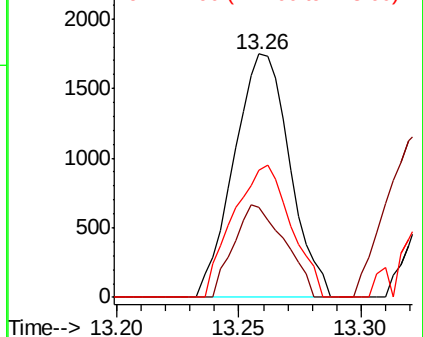
146 100

111 34.7 21.6 64.6

148 56.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.823 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

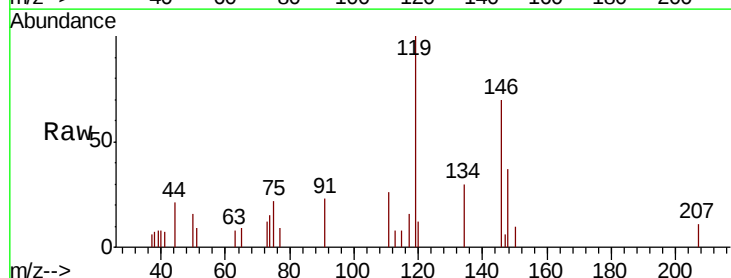
Tgt Ion:146 Resp: 2776

Ion Ratio Lower Upper

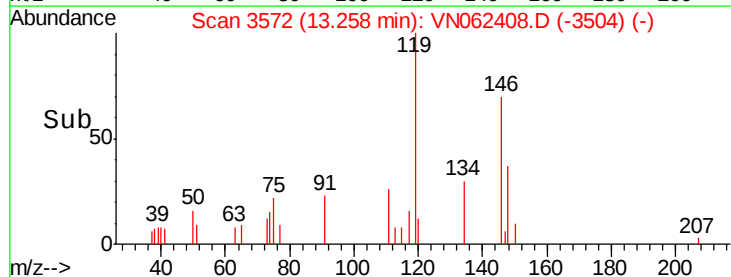
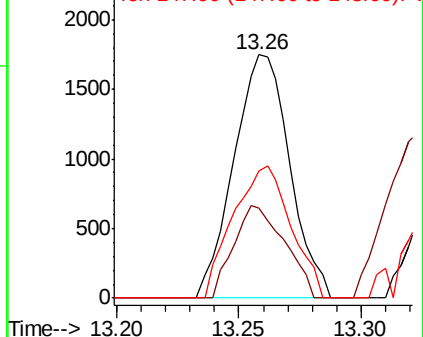
146 100

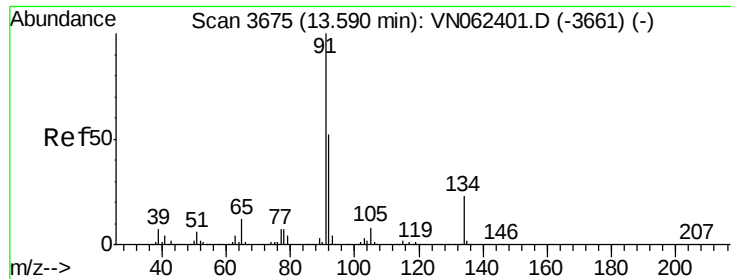
111 34.7 21.1 63.1

148 56.4 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

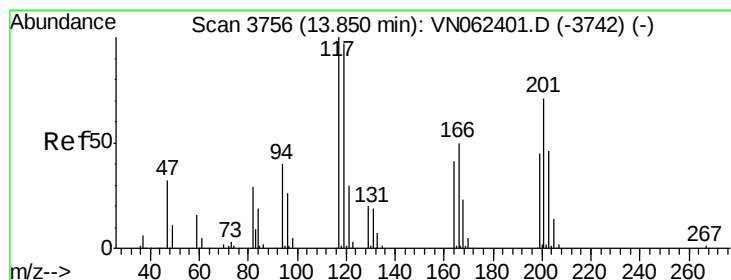
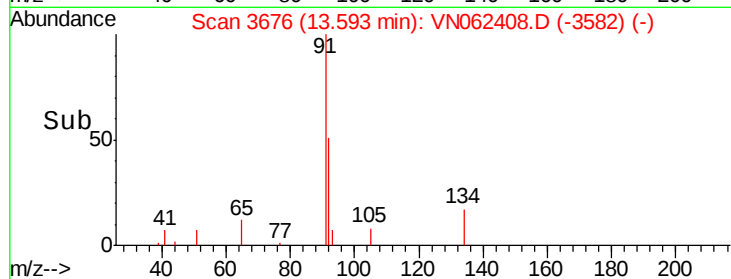
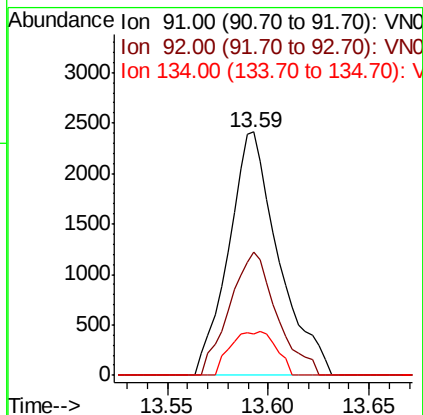
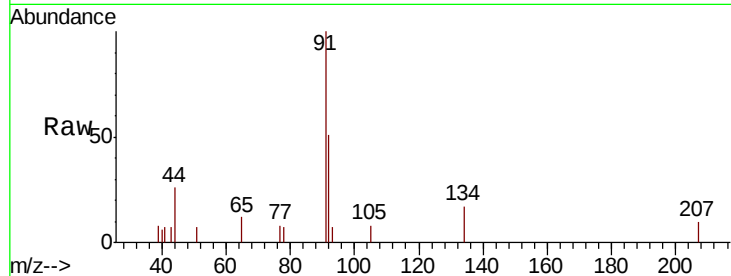




#89
n-Butylbenzene
Concen: 0.708 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

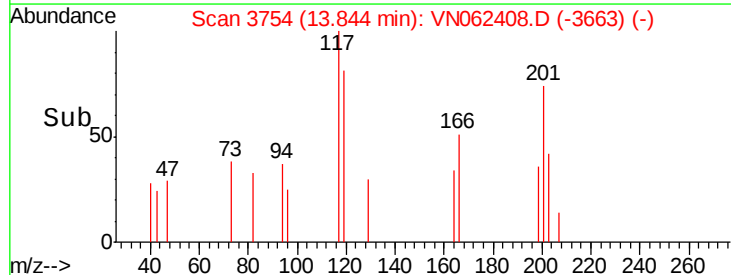
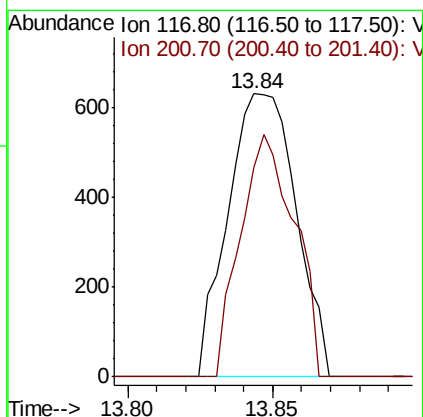
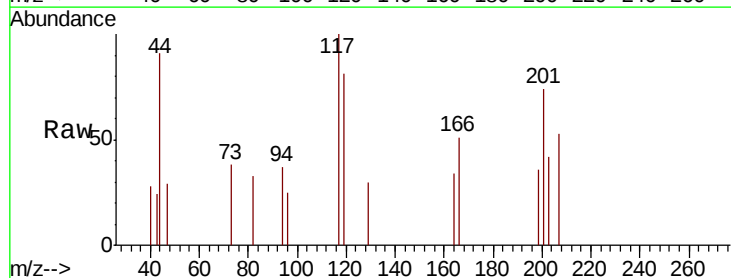
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

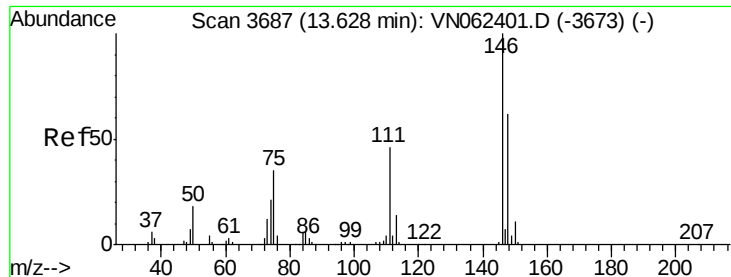
Tot Ion: 91 Resp: 4153
Ion Ratio Lower Upper
91 100
92 47.9 25.9 77.7
134 16.6 11.6 34.8



#90
Hexachloroethane
Concen: 0.792 ug/l
RT: 13.84 min Scan# 3754
Delta R.T. -0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 117 Resp: 1036
Ion Ratio Lower Upper
117 100
201 67.6 35.4 106.2

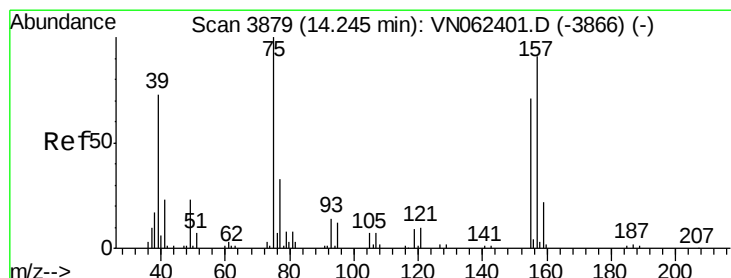
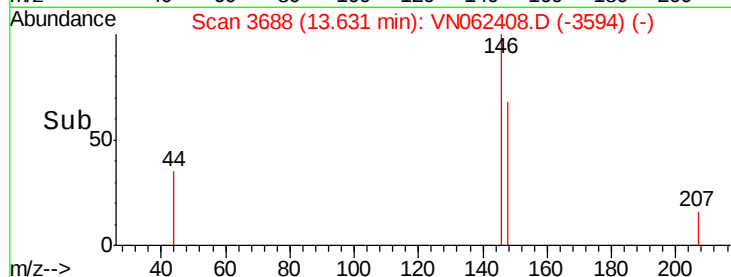
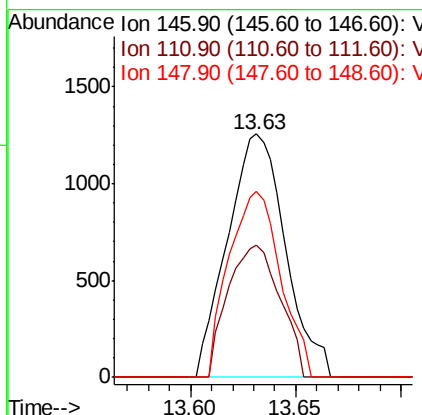
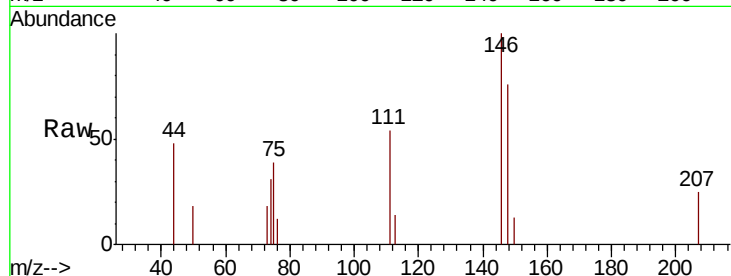




#91
 1,2-Dichlorobenzene
 Concen: 0.757 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

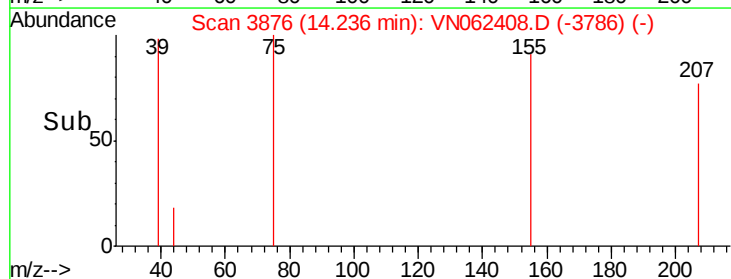
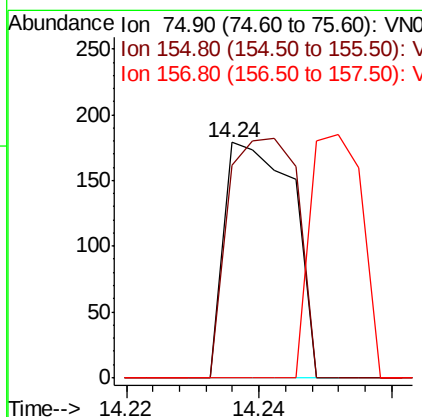
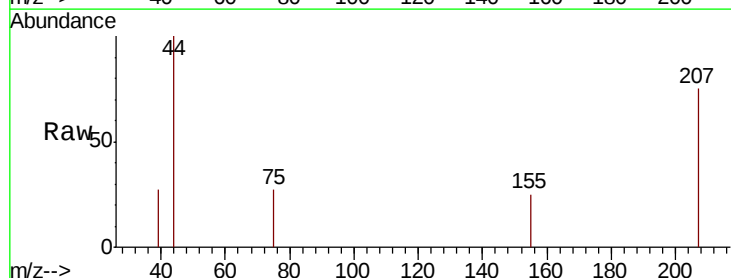
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

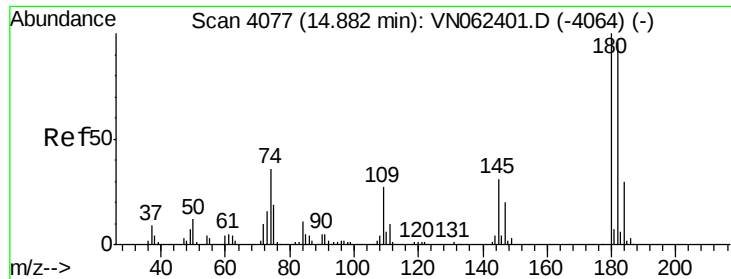
Tot Ion:146 Resp: 2399
 Ion Ratio Lower Upper
 146 100
 111 48.8 22.5 67.5
 148 67.9 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.248 ug/l
 RT: 14.24 min Scan# 3876
 Delta R.T. -0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 75 Resp: 127
 Ion Ratio Lower Upper
 75 100
 155 103.9 35.2 105.6
 157 79.5 45.8 137.3

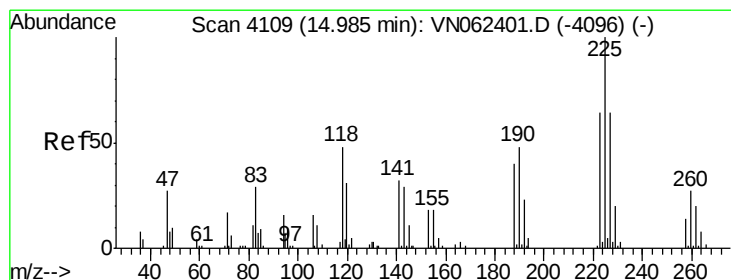
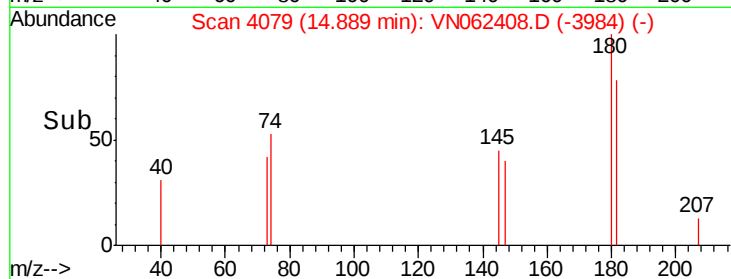
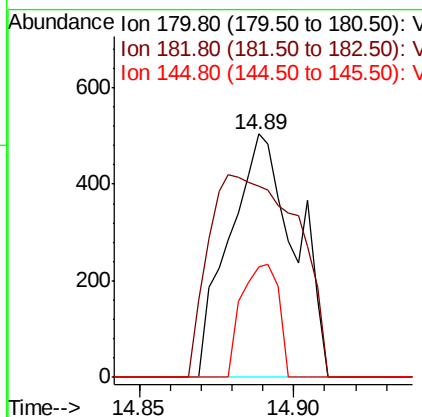
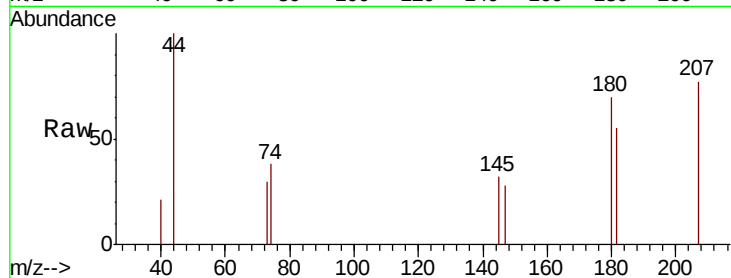




#93
 1,2,4-Trichlorobenzene
 Concen: 0.522 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

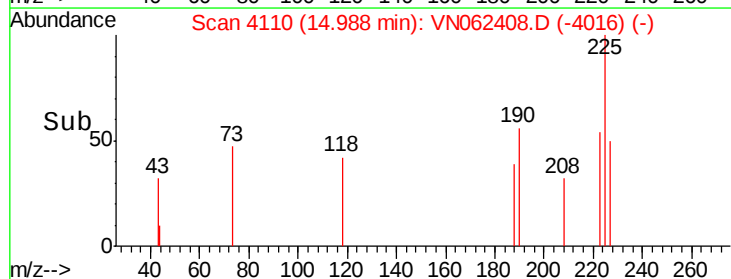
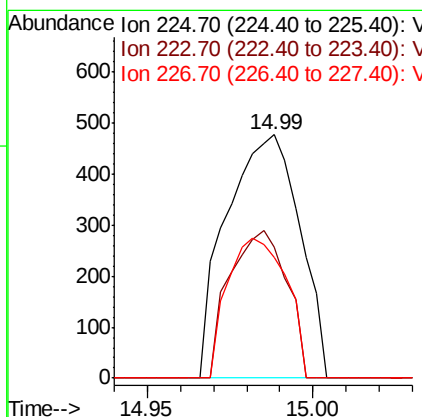
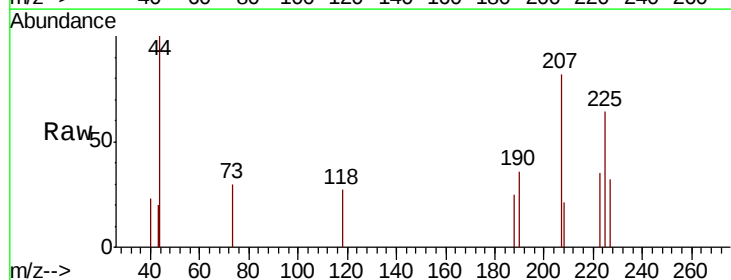
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:180 Resp: 745
 Ion Ratio Lower Upper
 180 100
 182 112.5 48.4 145.2
 145 26.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.873 ug/l
 RT: 14.99 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion:225 Resp: 734
 Ion Ratio Lower Upper
 225 100
 223 47.0 32.3 96.8
 227 46.0 31.9 95.7





#95

Naphthalene

Concen: 0.642 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

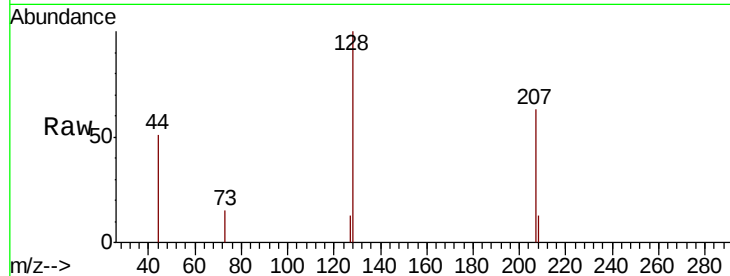
Tot Ion:128 Resp: 2586

Ion Ratio Lower Upper

128 100

127 4.0 10.2 15.2#

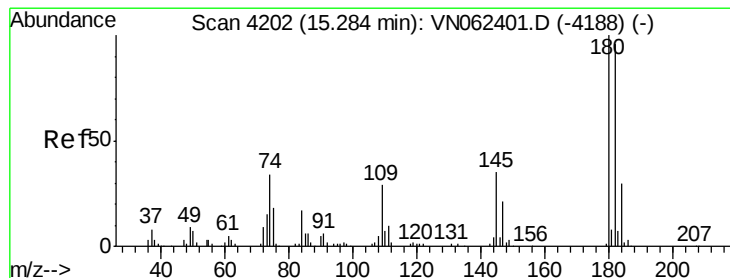
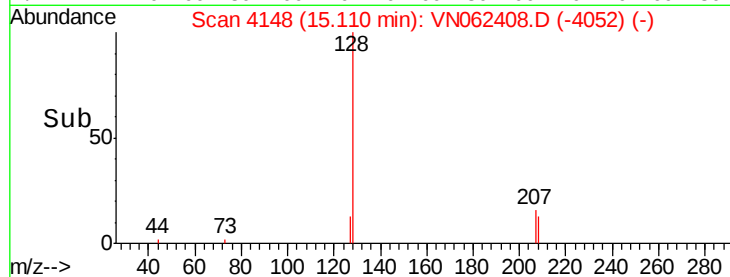
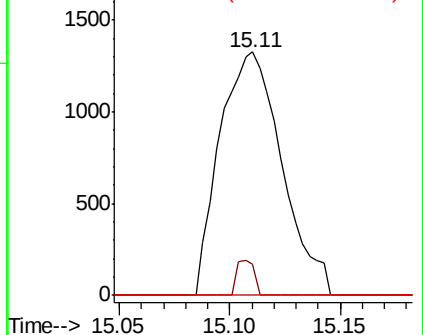
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.343 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

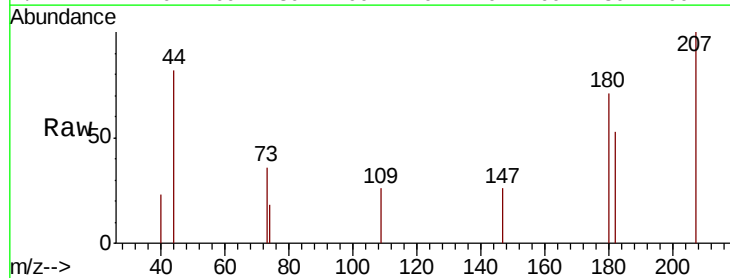
Tgt Ion:180 Resp: 510

Ion Ratio Lower Upper

180 100

182 198.2 47.8 143.4#

145 34.7 17.0 50.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

