

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061551.D
 Acq On : 29 May 2020 00:00
 Operator : JC/MD
 Sample : L2182-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Quant Time: May 29 02:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	293603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	520398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	479012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204924	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	190918	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	7.55	113	146677	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
50) Toluene-d8	10.06	98	614538	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.38	95	207358	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	6177	2.013	ug/l	100
3) Chloromethane	2.03	50	8960	2.502	ug/l	92
4) Vinyl Chloride	2.16	62	11934	2.432	ug/l	100
5) Bromomethane	2.54	94	7901	2.806	ug/l	94
6) Chloroethane	2.67	64	8717	2.760	ug/l	98
7) Trichlorofluoromethane	2.98	101	17375	2.746	ug/l	93
8) Diethyl Ether	3.37	74	4826	2.494	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	7712	2.746	ug/l	95
10) Methyl Iodide	3.90	142	9936	2.549	ug/l	98
11) Tert butyl alcohol	4.73	59	6603	14.191	ug/l #	79
12) 1,1-Dichloroethene	3.70	96	7580	2.527	ug/l	97
13) Acrolein	3.56	56	3713	20.813	ug/l	97
14) Allyl chloride	4.27	41	10213	2.604	ug/l #	85
15) Acrylonitrile	4.94	53	16330	12.574	ug/l	97
16) Acetone	3.77	43	14547	11.758	ug/l	91
17) Carbon Disulfide	4.00	76	18571	2.814	ug/l	99
18) Methyl Acetate	4.28	43	7421	2.343	ug/l #	62
19) Methyl tert-butyl Ether	4.99	73	26347	2.577	ug/l	98
20) Methylene Chloride	4.51	84	9201	2.145	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	8995	2.659	ug/l	87
22) Diisopropyl ether	5.90	45	21867	2.530	ug/l	94
23) Vinyl Acetate	5.85	43	83282	12.087	ug/l	99
24) 1,1-Dichloroethane	5.80	63	13842	2.525	ug/l	99
25) 2-Butanone	6.79	43	20380	12.293	ug/l	91
26) 2,2-Dichloropropane	6.77	77	11136	2.220	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	9591	2.503	ug/l	96
28) Bromochloromethane	7.14	49	1418	0.599	ug/l #	45
29) Tetrahydrofuran	7.16	42	13255	12.125	ug/l #	82
30) Chloroform	7.33	83	15333	2.528	ug/l	98
31) Cyclohexane	7.62	56	17643	3.579	ug/l #	60
32) 1,1,1-Trichloroethane	7.53	97	14199	2.569	ug/l	99
36) 1,1-Dichloropropene	7.75	75	11160	2.422	ug/l	93
37) Ethyl Acetate	6.88	43	7367	1.985	ug/l	98
38) Carbon Tetrachloride	7.73	117	9365	2.107	ug/l	94

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

39) Methylcyclohexane	9.05	83	13135	2.313	ug/l	98
40) Benzene	8.00	78	33495	2.356	ug/l	95
41) Methacrylonitrile	7.13	41	4236	2.492	ug/l #	84
42) 1,2-Dichloroethane	8.09	62	12387	2.603	ug/l	99
43) Isopropyl Acetate	8.13	43	16307	2.443	ug/l #	83
44) Trichloroethene	8.80	130	10111	2.315	ug/l	99
45) 1,2-Dichloropropane	9.09	63	8794	2.605	ug/l	99
46) Dibromomethane	9.18	93	5933	2.292	ug/l	93
47) Bromodichloromethane	9.37	83	11377	2.218	ug/l	100
48) Methyl methacrylate	9.17	41	7099	2.364	ug/l	94
49) 1,4-Dioxane	9.17	88	2329	50.055	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	42649	11.337	ug/l	95
52) Toluene	10.12	92	22440	2.419	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	11975	2.167	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	12789	2.153	ug/l	95
55) 1,1,2-Trichloroethane	10.54	97	8516	2.304	ug/l	91
56) Ethyl methacrylate	10.40	69	10660	2.065	ug/l	90
57) 1,3-Dichloropropane	10.68	76	13834	2.340	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	23087	10.463	ug/l	96
59) 2-Hexanone	10.72	43	28830	10.671	ug/l	97
60) Dibromochloromethane	10.87	129	8893	2.116	ug/l	95
61) 1,2-Dibromoethane	10.98	107	8844	2.294	ug/l	97
64) Tetrachloroethene	10.60	164	10116	2.244	ug/l	97
65) Chlorobenzene	11.41	112	23340	2.344	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	8088	2.182	ug/l	96
67) Ethyl Benzene	11.49	91	40609	2.360	ug/l	96
68) m/p-Xylenes	11.60	106	29904	4.382	ug/l	95
69) o-Xylene	11.92	106	15520	2.395	ug/l	94
70) Styrene	11.94	104	23030	2.146	ug/l	99
71) Bromoform	12.11	173	5088	1.781	ug/l #	100
73) Isopropylbenzene	12.22	105	38175	2.552	ug/l	97
74) N-amyl acetate	12.05	43	11658	2.475	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.48	83	11289	2.693	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	14415	3.868	ug/l #	100
77) Bromobenzene	12.50	156	9447	2.474	ug/l	90
78) n-propylbenzene	12.57	91	42985	2.574	ug/l	97
79) 2-Chlorotoluene	12.65	91	26624	2.674	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	30878	2.470	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	3194	2.192	ug/l	97
82) 4-Chlorotoluene	12.75	91	26081	2.490	ug/l	96
83) tert-Butylbenzene	12.97	119	27084	2.452	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	31179	2.511	ug/l	98
85) sec-Butylbenzene	13.15	105	35470	2.492	ug/l	98
86) p-Isopropyltoluene	13.26	119	30436	2.322	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	15656	2.316	ug/l	97
88) 1,4-Dichlorobenzene	13.26	146	15656	2.273	ug/l	96
89) n-Butylbenzene	13.59	91	25908	2.360	ug/l	98
90) Hexachloroethane	13.85	117	3407	2.350	ug/l	83
91) 1,2-Dichlorobenzene	13.63	146	15530	2.404	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2163	2.530	ug/l	80

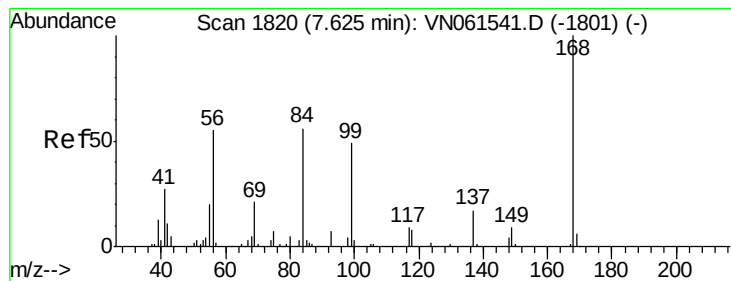
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:45:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	7850	2.078	ug/l	98
94) Hexachlorobutadiene	14.99	225	3514	2.181	ug/l	98
95) Naphthalene	15.11	128	23201	2.017	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	8426	2.268	ug/l	97

(#) = 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: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

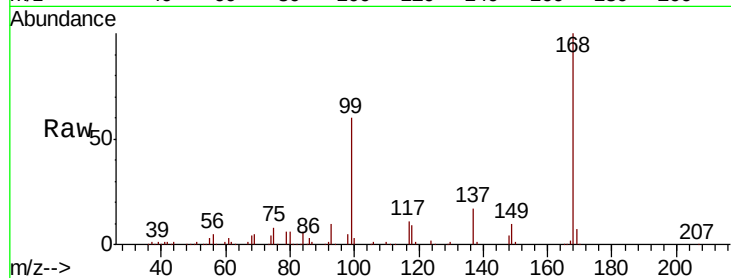
LOD-MDL-WATER-01-QT2-2020

Tot Ion:168 Resp: 293603

Ion Ratio Lower Upper

168 100

99 59.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

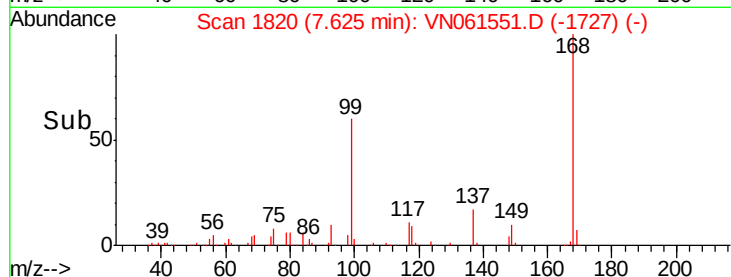
7.63

100000

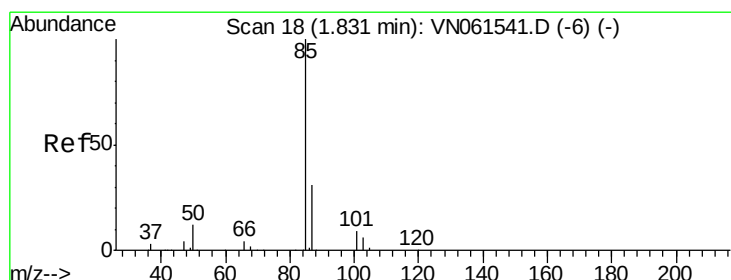
50000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 2.013 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061551.D

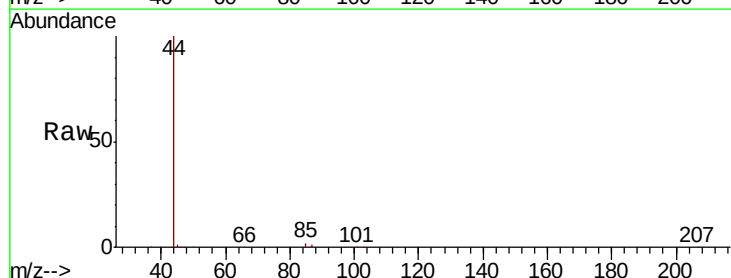
Acq: 29 May 2020 00:00

Tgt Ion: 85 Resp: 6177

Ion Ratio Lower Upper

85 100

87 31.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

5000

4000

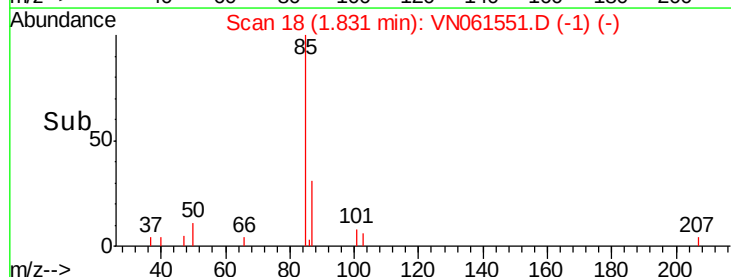
3000

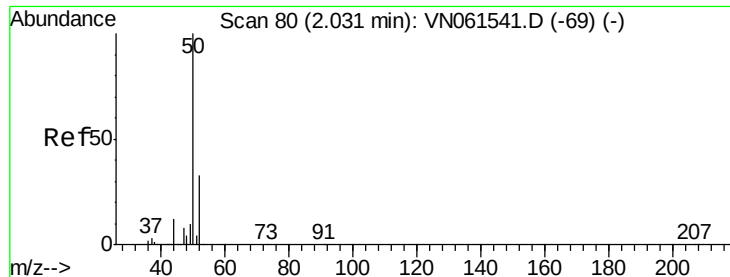
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.502 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

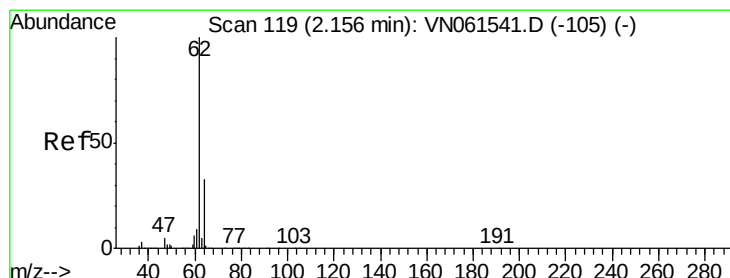
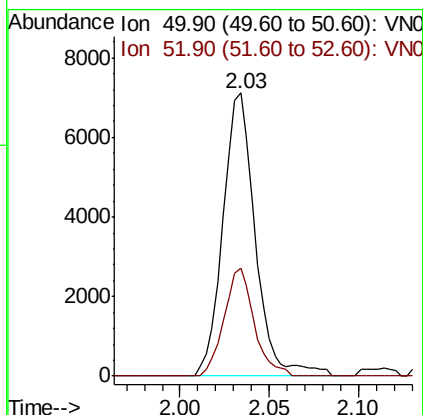
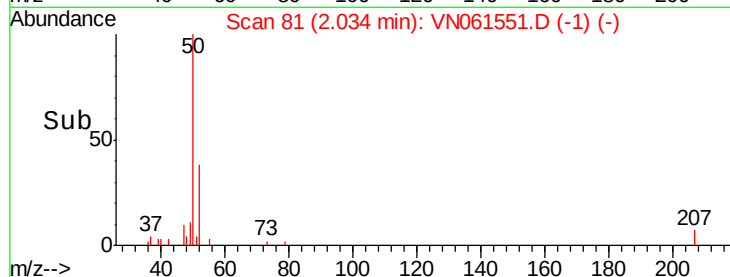
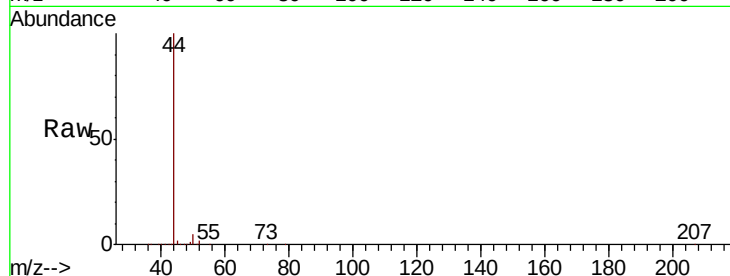
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 50 Resp: 8960

Ion Ratio Lower Upper

50 100

52 38.2 26.7 40.1



#4

Vinyl Chloride

Concen: 2.432 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061551.D

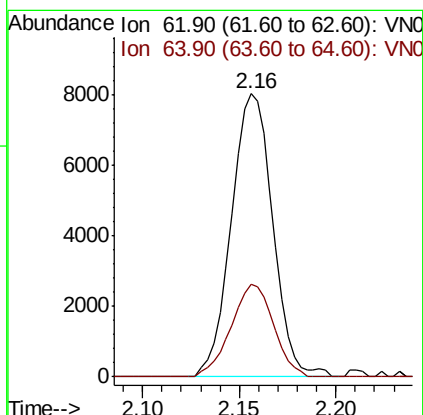
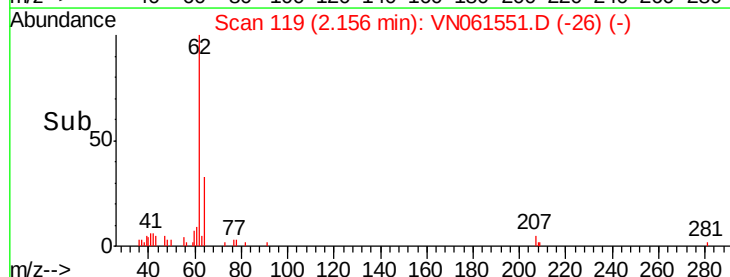
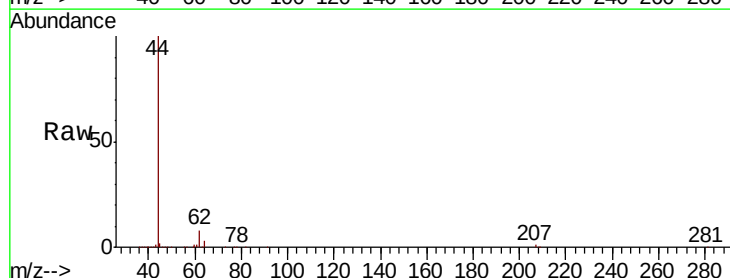
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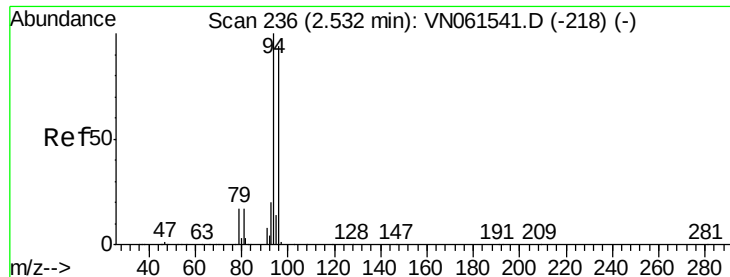
Tgt Ion: 62 Resp: 11934

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 2.806 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

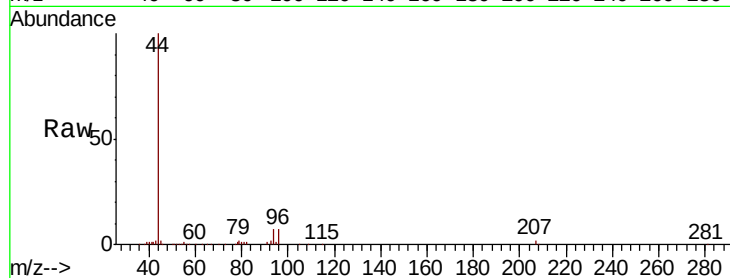
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 94 Resp: 7901

Ion Ratio Lower Upper

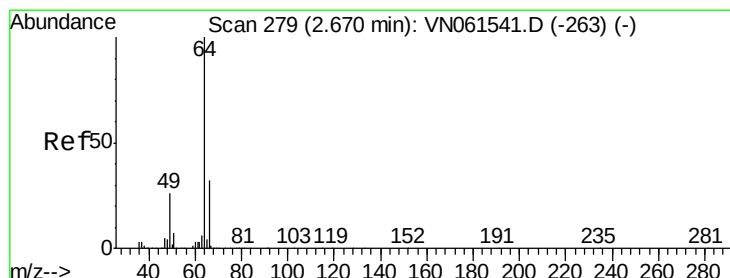
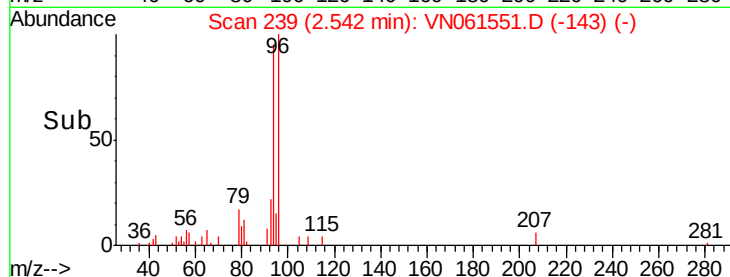
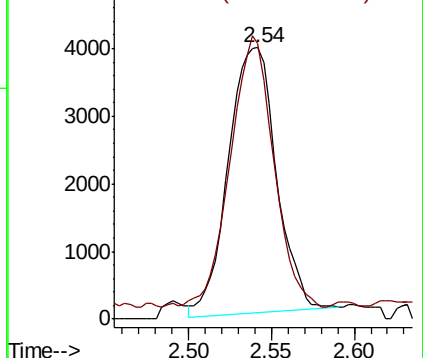
94 100

96 99.7 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.760 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061551.D

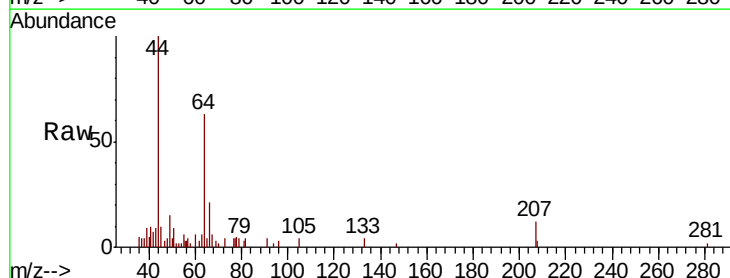
Acq: 29 May 2020 00:00

Tgt Ion: 64 Resp: 8717

Ion Ratio Lower Upper

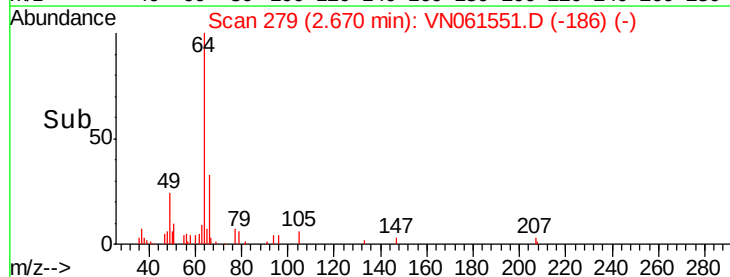
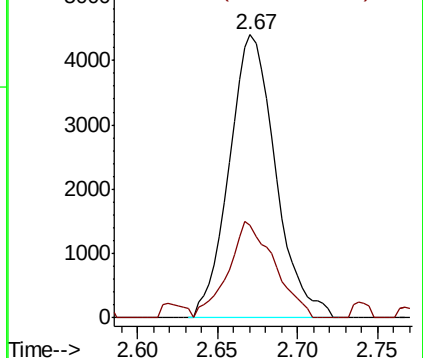
64 100

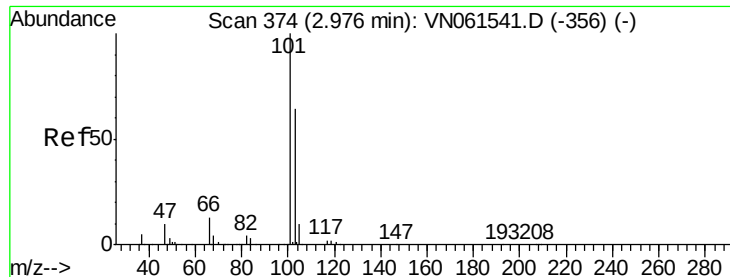
66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



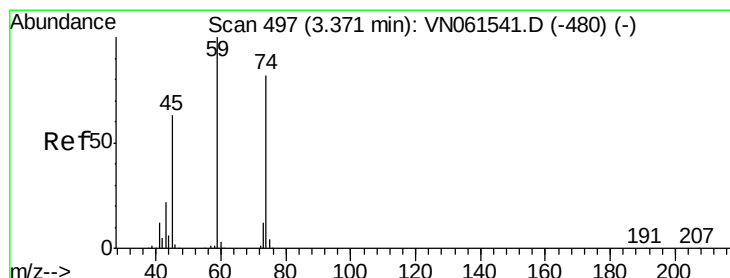
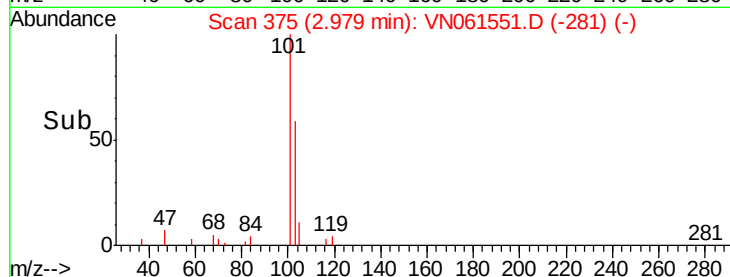
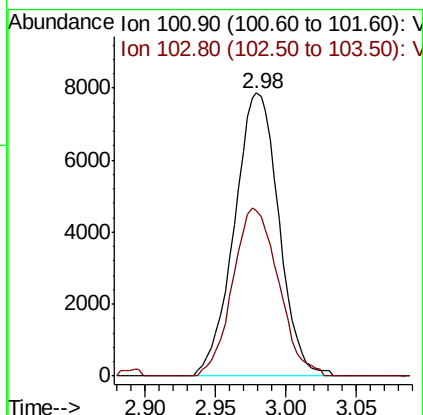
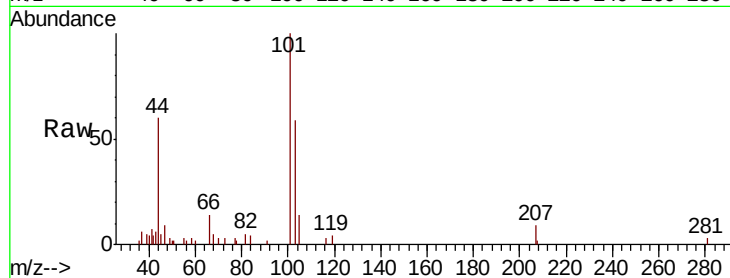


#7

Trichlorofluoromethane
 Concen: 2.746 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Instrument :
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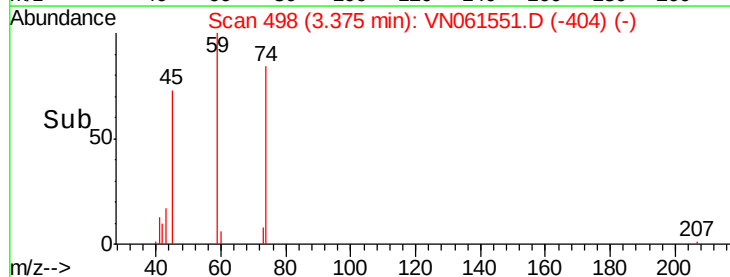
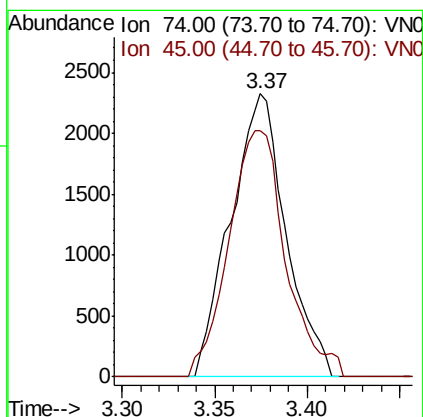
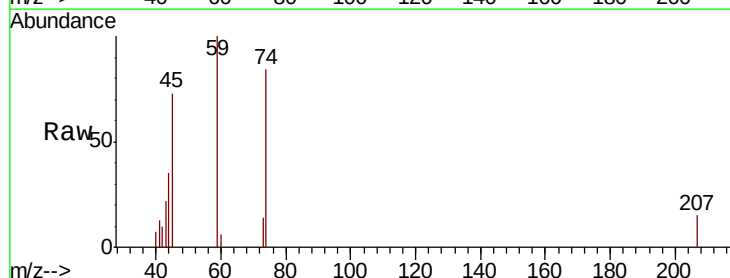
Tot Ion:101 Resp: 17375
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.4 77.2

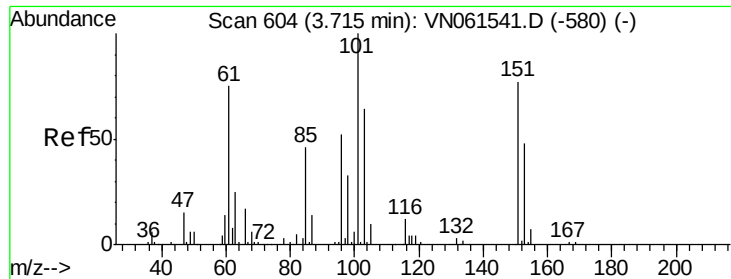


#8

Diethyl Ether
 Concen: 2.494 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 74 Resp: 4826
 Ion Ratio Lower Upper
 74 100
 45 89.6 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.746 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

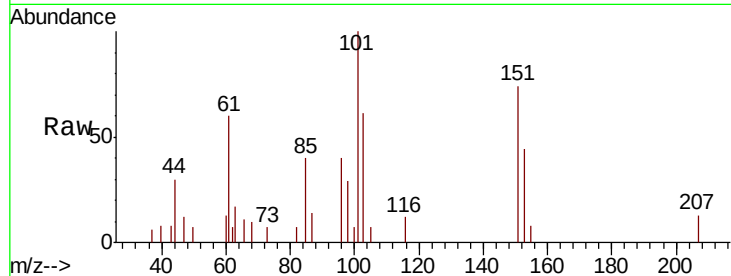
Tot Ion:101 Resp: 7712

Ion Ratio Lower Upper

101 100

85 41.4 35.2 52.8

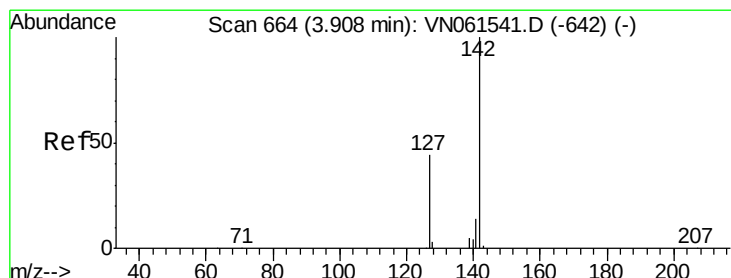
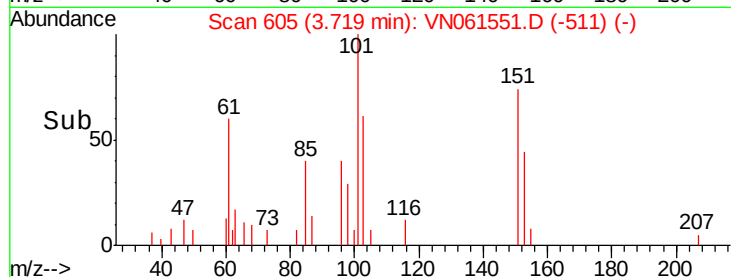
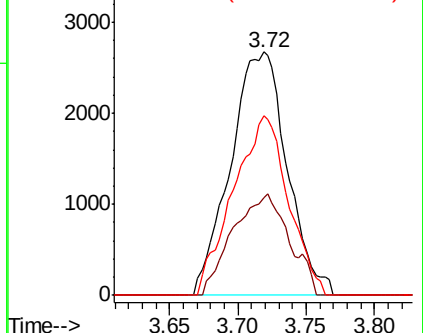
151 71.7 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.549 ug/l

RT: 3.90 min Scan# 662

Delta R.T. -0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

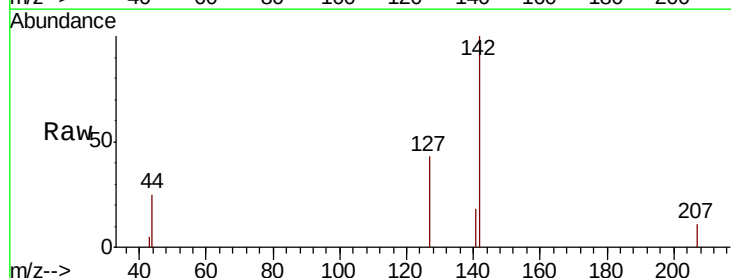
Tgt Ion:142 Resp: 9936

Ion Ratio Lower Upper

142 100

127 43.3 35.5 53.3

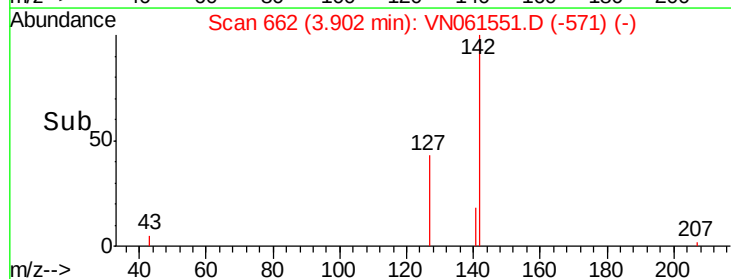
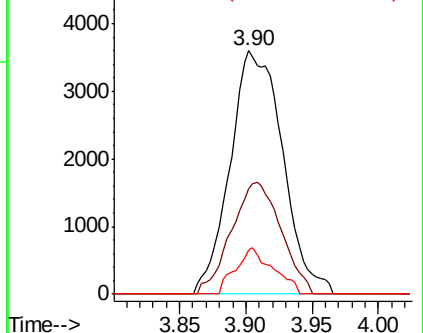
141 13.5 11.5 17.3

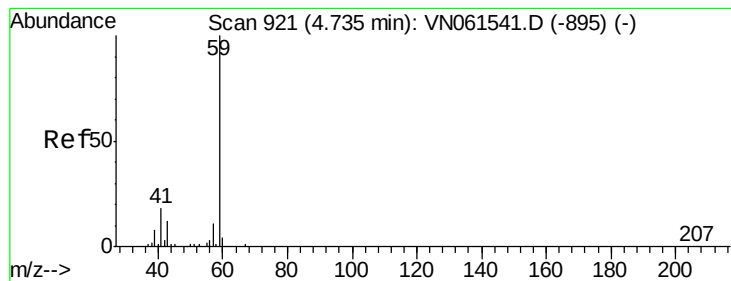


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



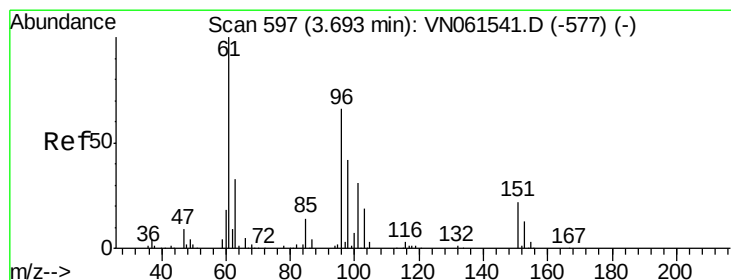
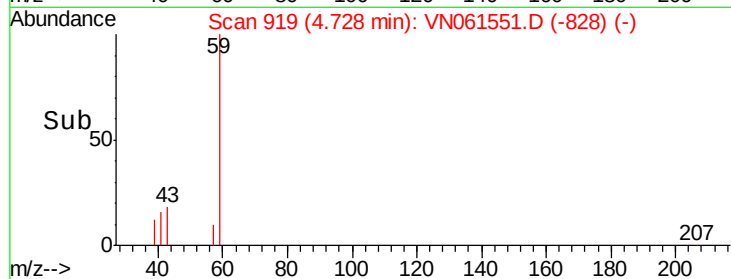
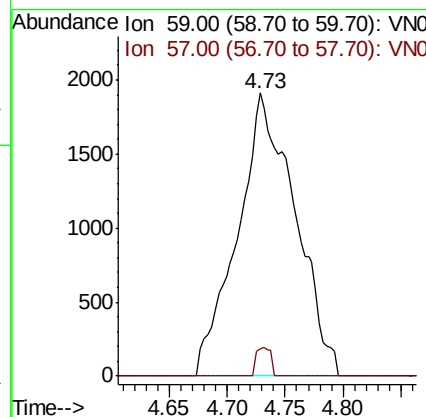
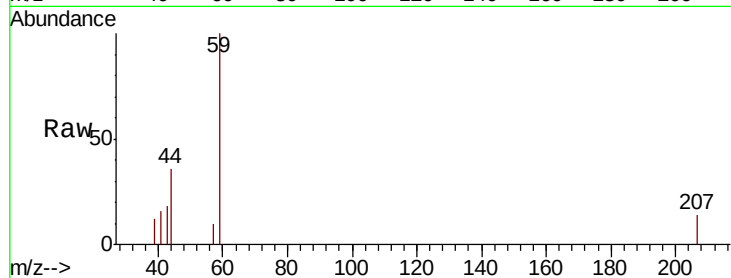


#11

Tert butyl alcohol
 Concen: 14.191 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

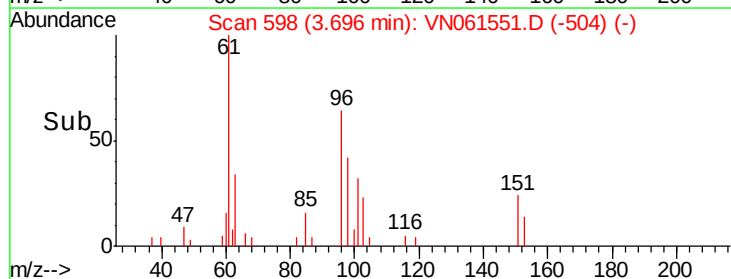
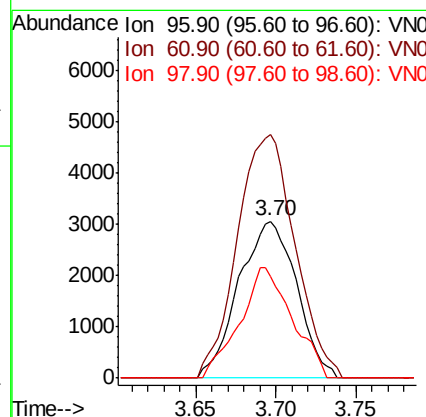
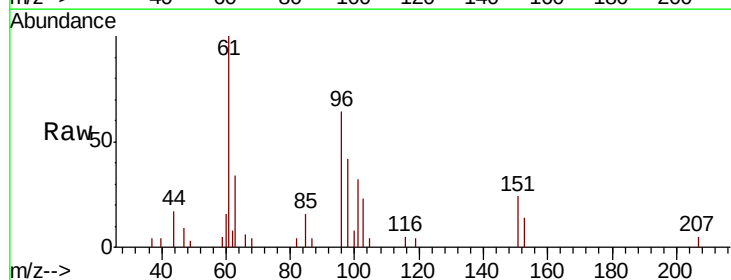
Tot Ion: 59 Resp: 6603
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.4 12.6#

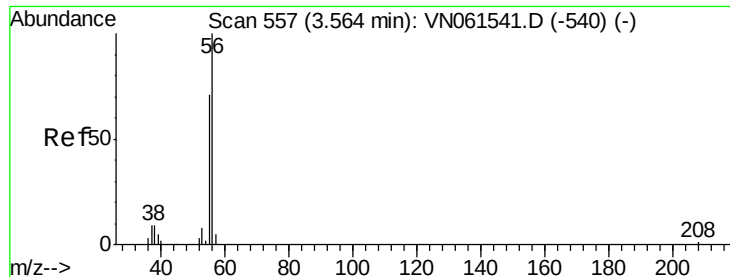


#12

1,1-Dichloroethene
 Concen: 2.527 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 96 Resp: 7580
 Ion Ratio Lower Upper
 96 100
 61 155.1 120.5 180.7
 98 64.5 50.8 76.2





#13

Acrolein

Concen: 20.813 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

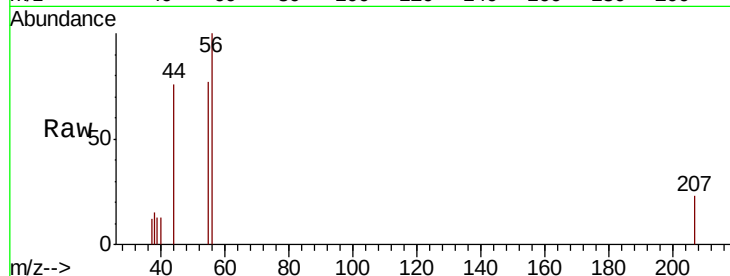
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 56 Resp: 3713

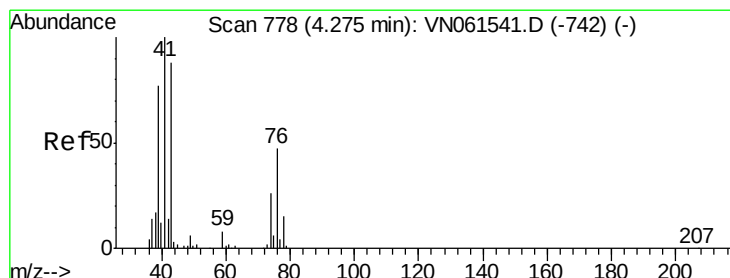
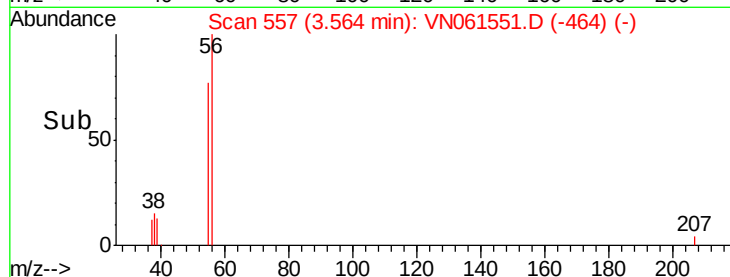
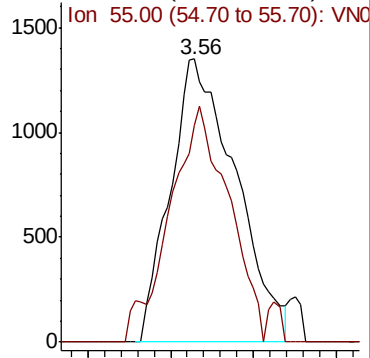
Ion Ratio Lower Upper

56 100

55 75.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)



#14

Allyl chloride

Concen: 2.604 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

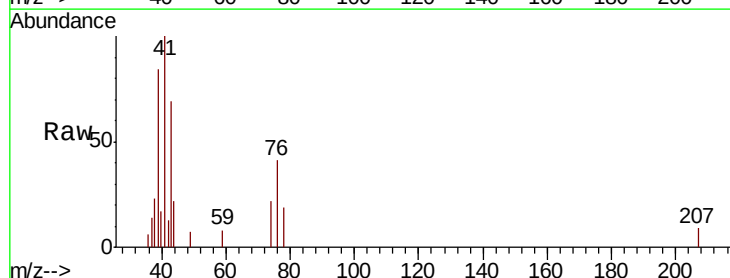
Tgt Ion: 41 Resp: 10213

Ion Ratio Lower Upper

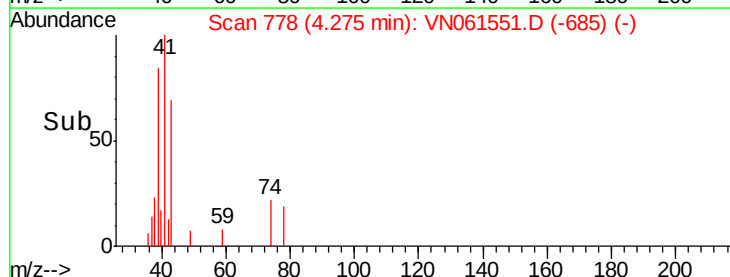
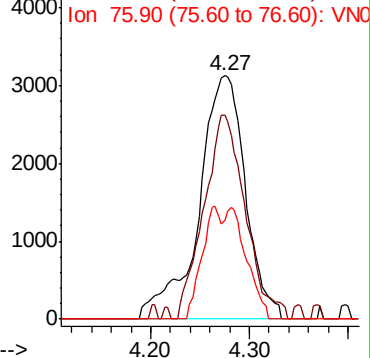
41 100

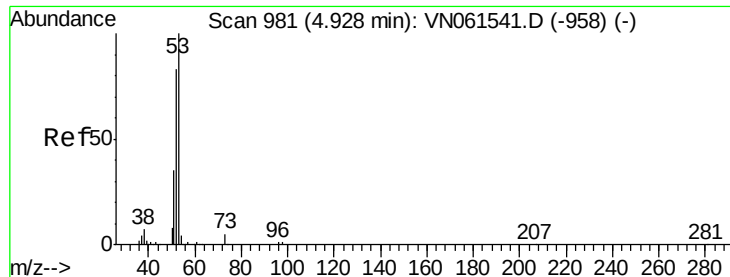
39 74.7 58.6 88.0

76 19.1 34.2 51.4#



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)





#15

Acrylonitrile

Concen: 12.574 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

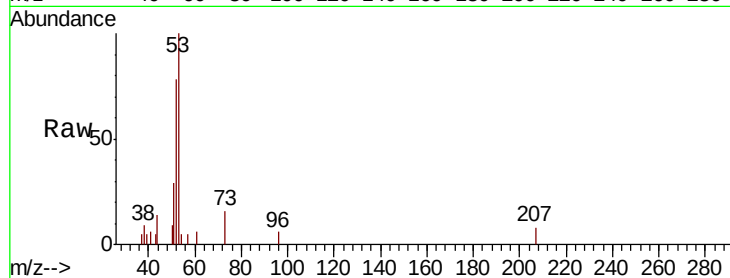
Tot Ion: 53 Resp: 16330

Ion Ratio Lower Upper

53 100

52 78.4 65.4 98.2

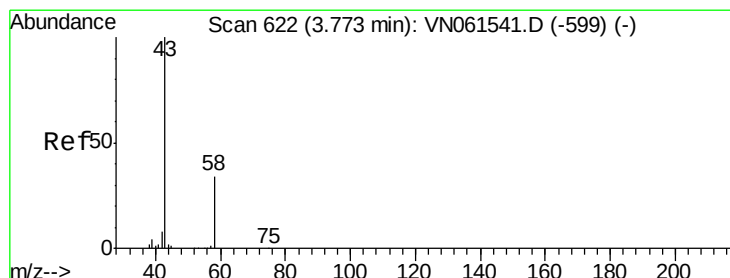
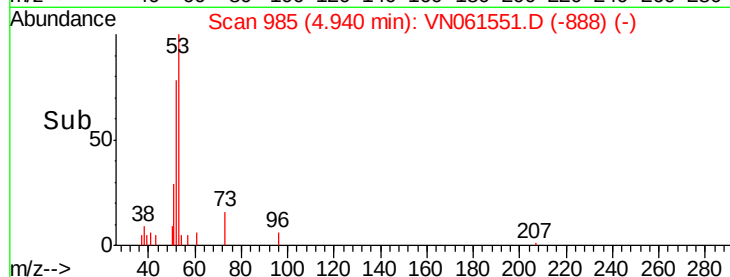
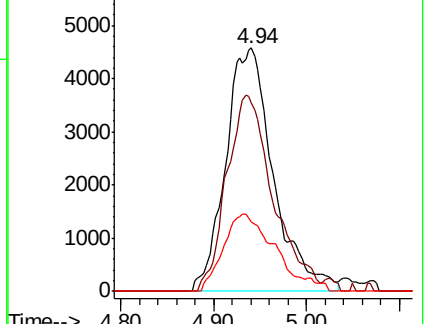
51 34.7 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061551.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061551.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061551.D (-958) (-)



#16

Acetone

Concen: 11.758 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061551.D

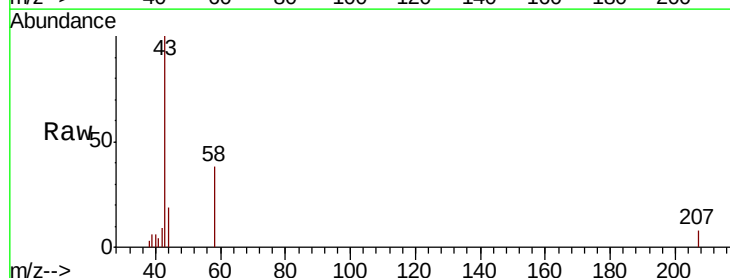
Acq: 29 May 2020 00:00

Tgt Ion: 43 Resp: 14547

Ion Ratio Lower Upper

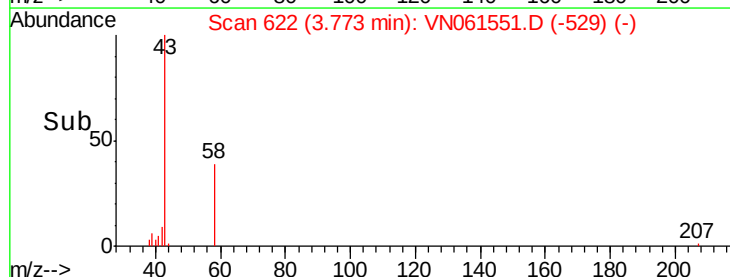
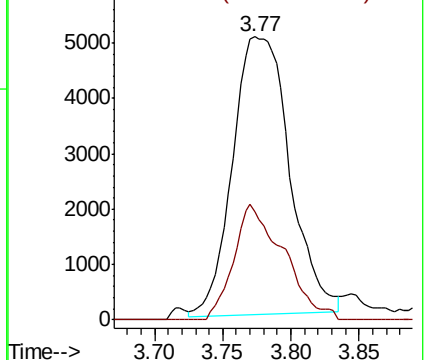
43 100

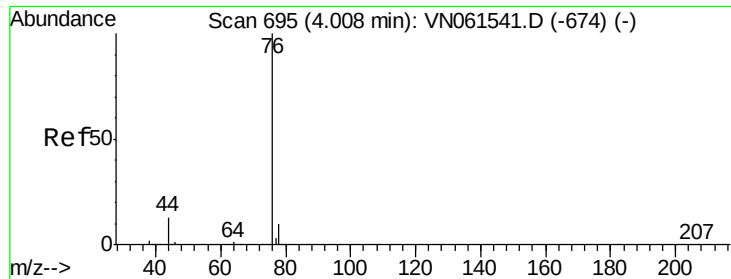
58 39.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061551.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061551.D (-529) (-)

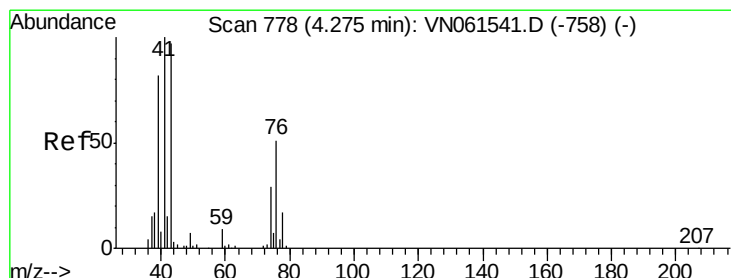
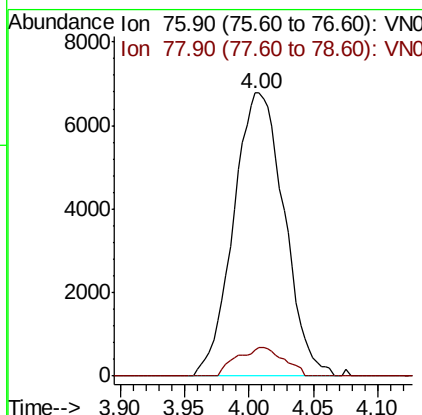
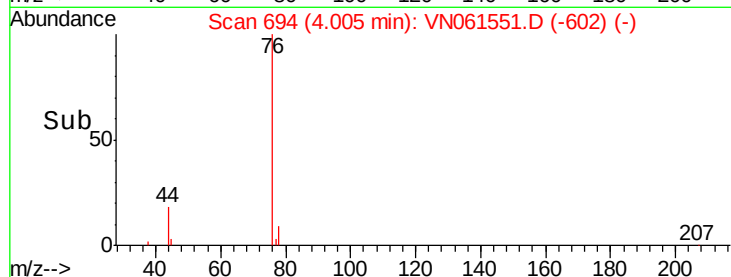
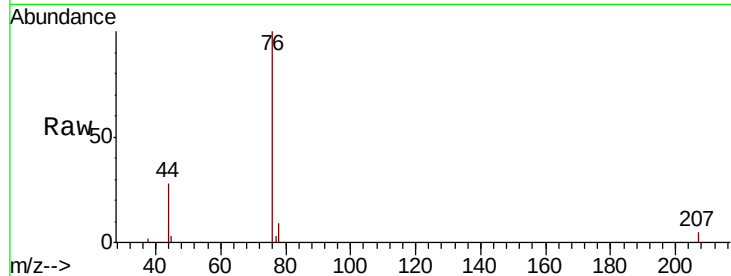




#17
Carbon Disulfide
Concen: 2.814 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

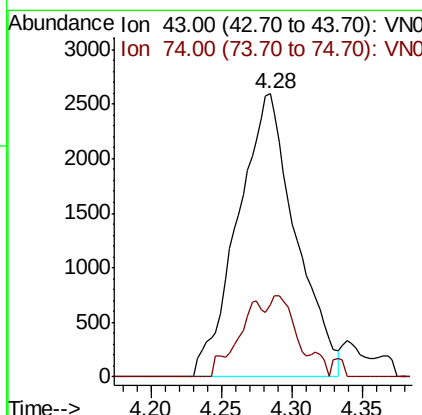
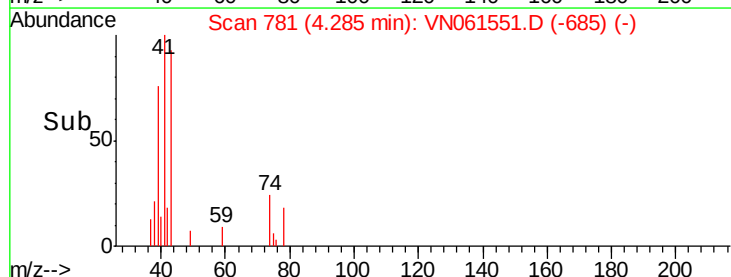
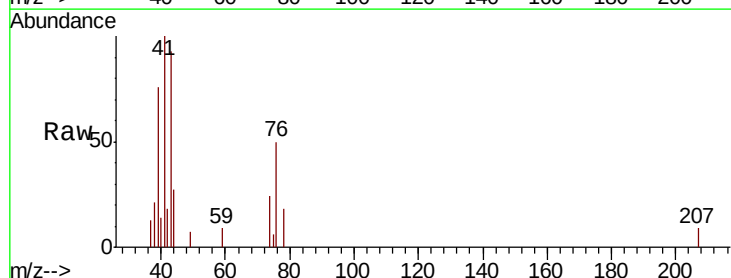
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

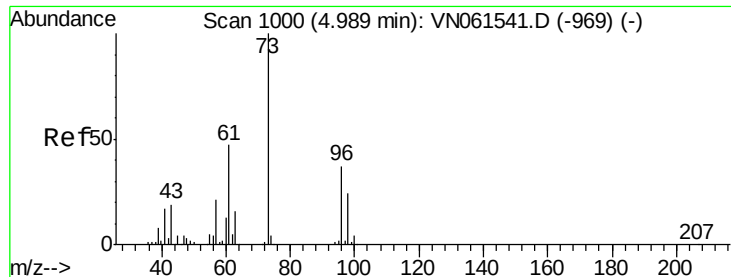
Tot Ion: 76 Resp: 18571
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 2.343 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 43 Resp: 7421
Ion Ratio Lower Upper
43 100
74 8.9 23.2 34.8#





#19

Methvl tert-butyl Ether

Concen: 2.577 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

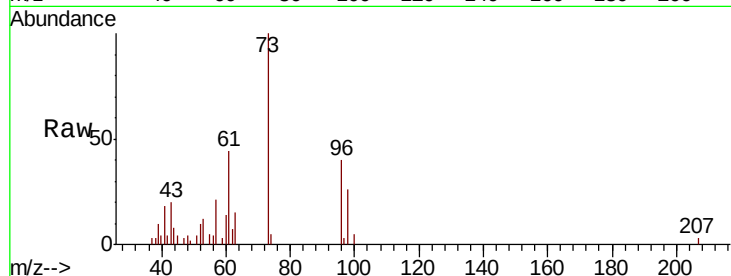
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 73 Resp: 26347

Ion Ratio Lower Upper

73 100

57 21.3 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VN061541.D (-969) (-)

Ion 57.00 (56.70 to 57.70): VN061541.D (-969) (-)

4.99

6000

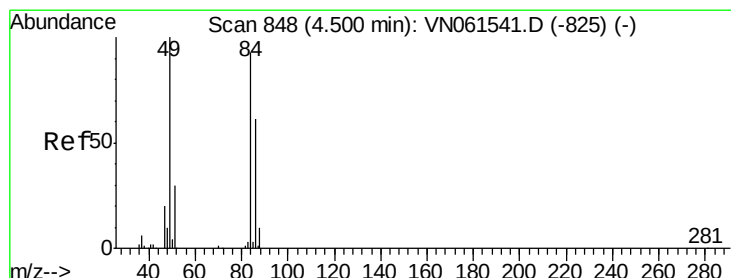
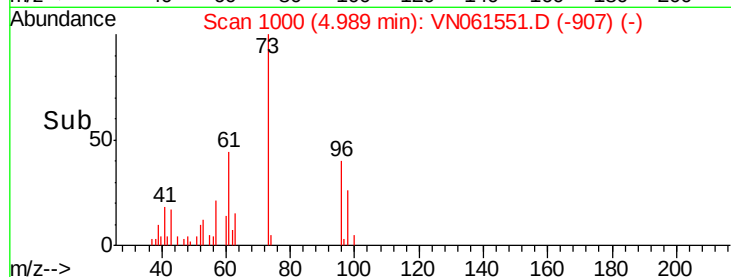
4000

2000

0

Time-->

4.90 5.00 5.10



#20

Methylene Chloride

Concen: 2.145 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Tgt Ion: 84 Resp: 9201

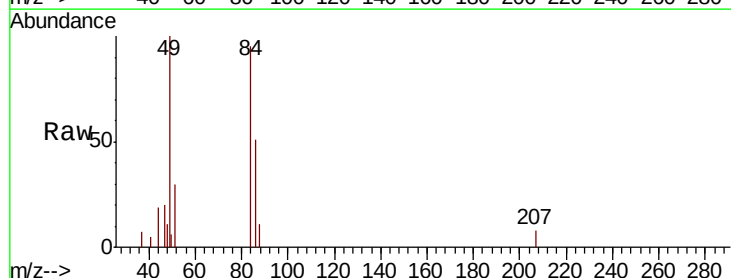
Ion Ratio Lower Upper

84 100

49 105.3 85.8 128.8

51 31.1 26.2 39.2

86 54.1 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VN061541.D (-825) (-)

Ion 48.90 (48.60 to 49.60): VN061541.D (-825) (-)

Ion 50.90 (50.60 to 51.60): VN061541.D (-825) (-)

Ion 85.90 (85.60 to 86.60): VN061541.D (-825) (-)

4.51

5000

4000

3000

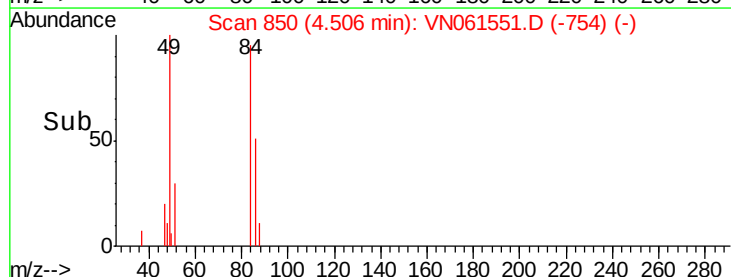
2000

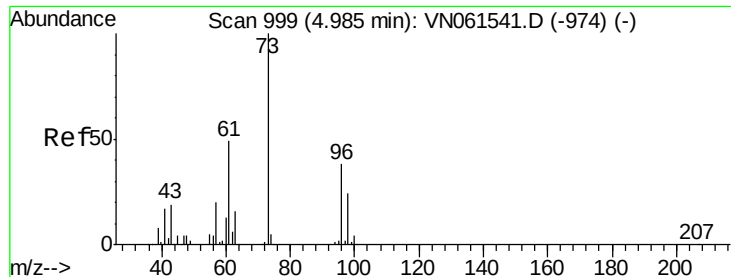
1000

0

Time-->

4.40 4.45 4.50 4.55

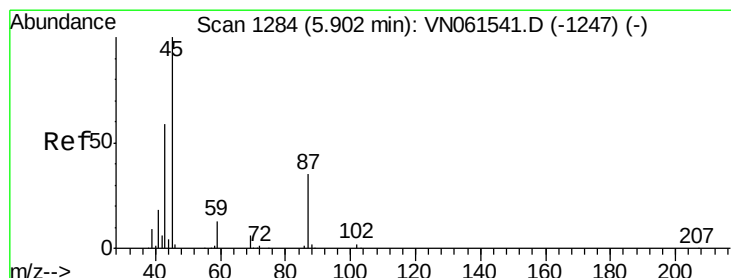
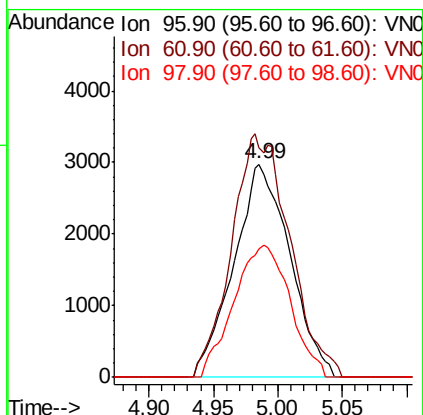
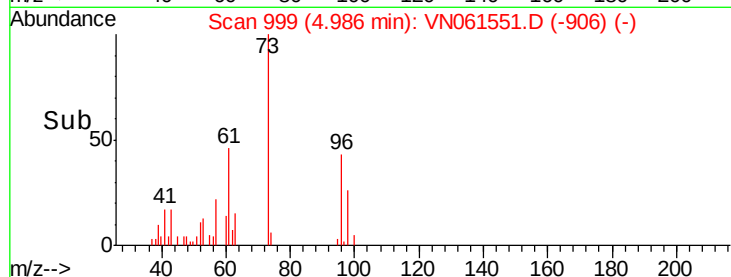
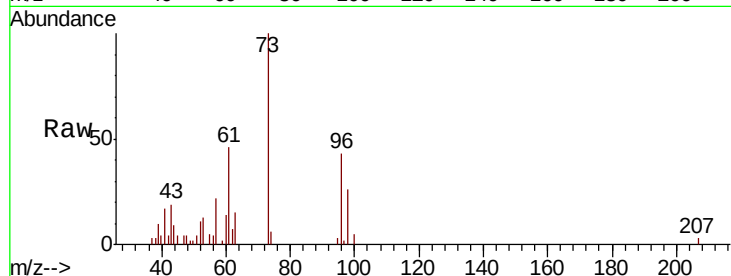




#21
trans-1,2-Dichloroethene
Concen: 2.659 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

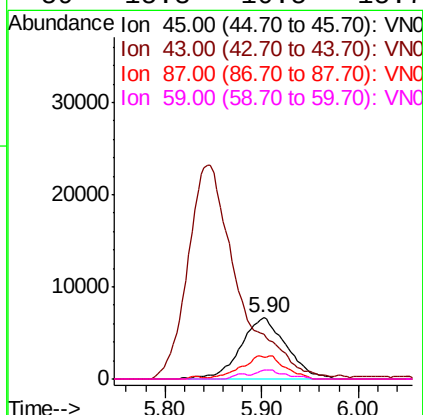
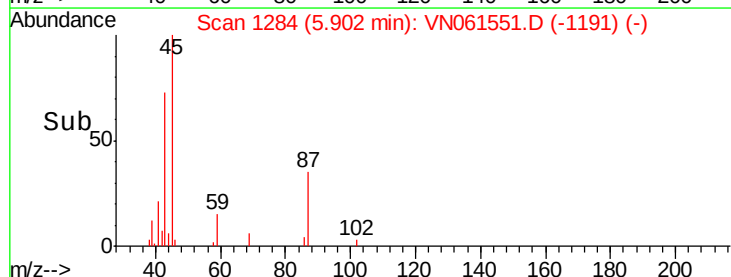
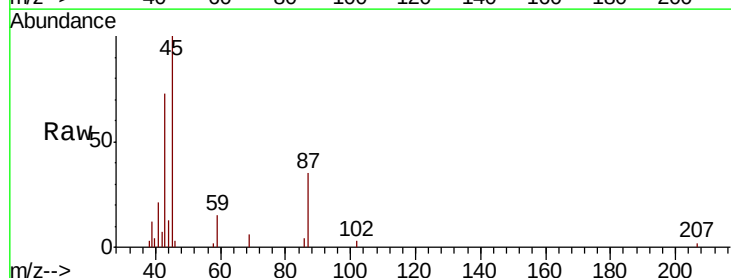
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

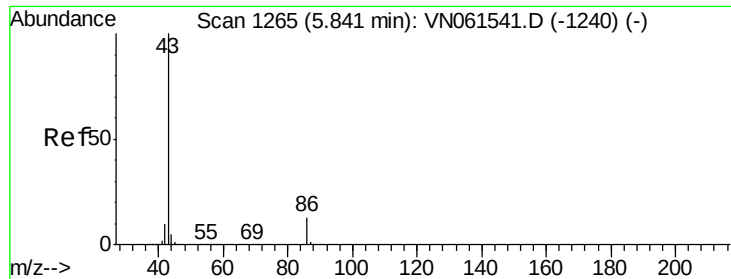
Tot Ion: 96 Resp: 8995
Ion Ratio Lower Upper
96 100
61 107.4 101.4 152.0
98 60.1 50.6 76.0



#22
Diisopropyl ether
Concen: 2.530 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 45 Resp: 21867
Ion Ratio Lower Upper
45 100
43 67.0 47.9 71.9
87 34.7 28.4 42.6
59 15.3 10.5 15.7





#23

Vinyl Acetate

Concen: 12.087 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

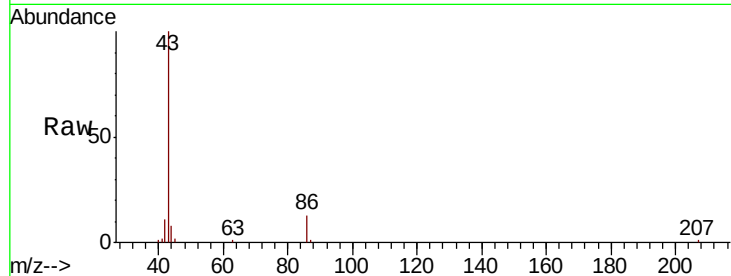
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 83282

Ion Ratio Lower Upper

43 100

86 12.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1240) (-)

Ion 86.00 (85.70 to 86.70): VN061541.D (-1240) (-)

5.85

25000

20000

15000

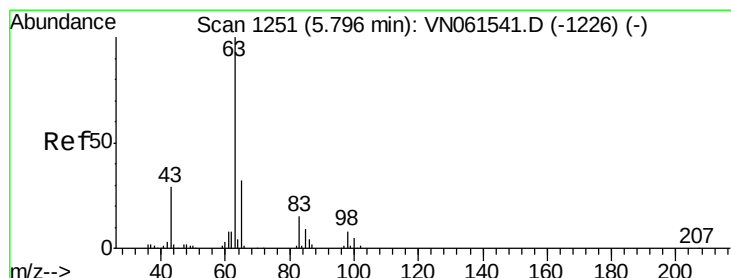
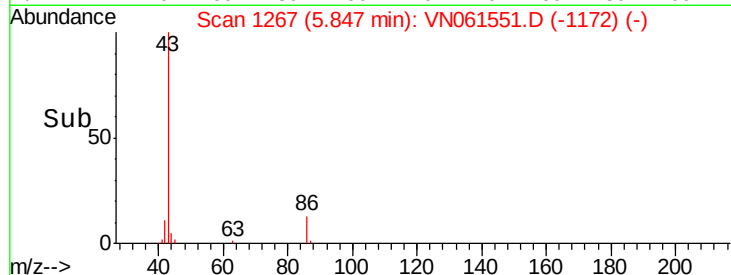
10000

5000

0

Time-->

5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 2.525 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

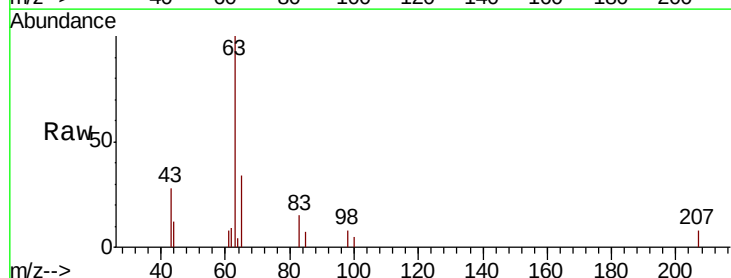
Tgt Ion: 63 Resp: 13842

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.4

100 5.0 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-1226) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1226) (-)

Ion 99.90 (99.60 to 100.60): VN061541.D (-1226) (-)

6000

5000

4000

3000

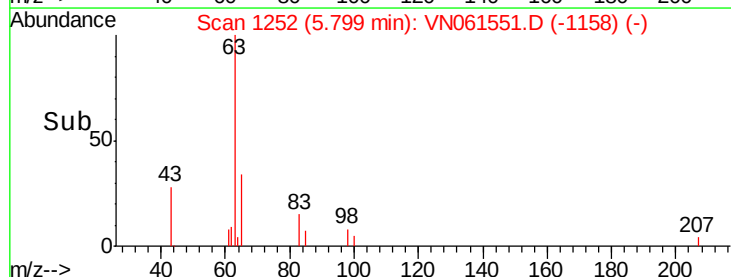
2000

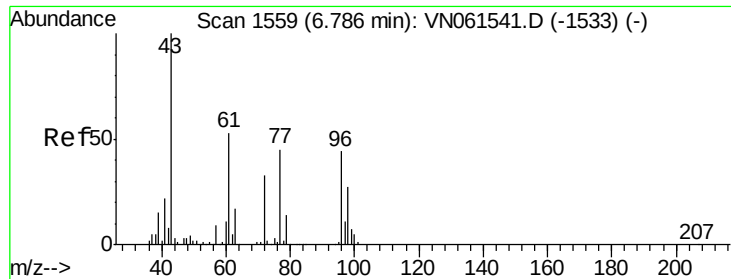
1000

0

Time-->

5.70 5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 12.293 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

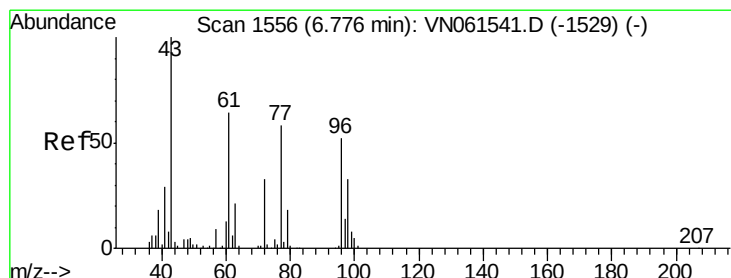
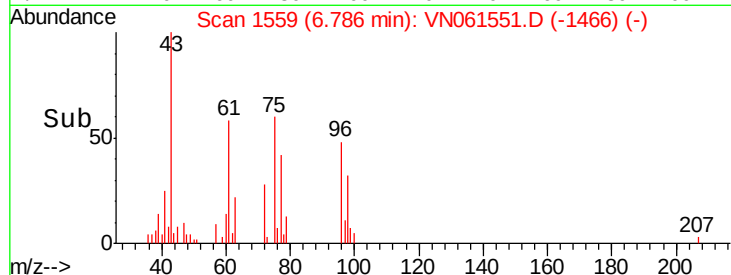
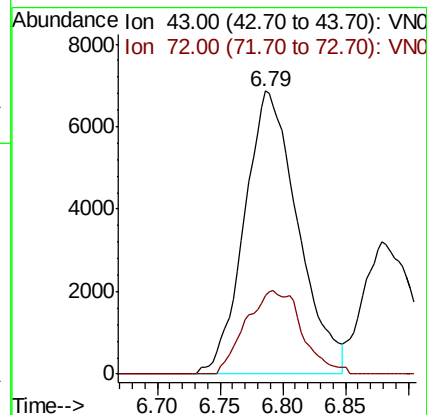
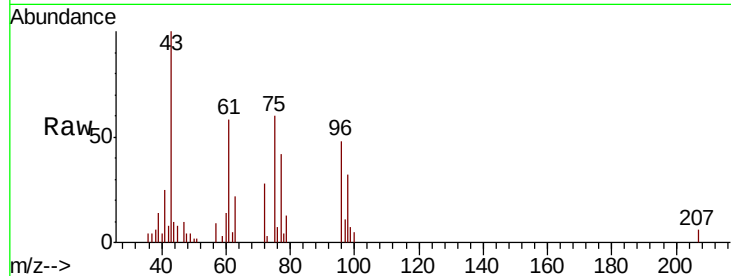
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 20380

Ion Ratio Lower Upper

43 100

72 27.5 26.0 39.0



#26

2,2-Dichloropropane

Concen: 2.220 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061551.D

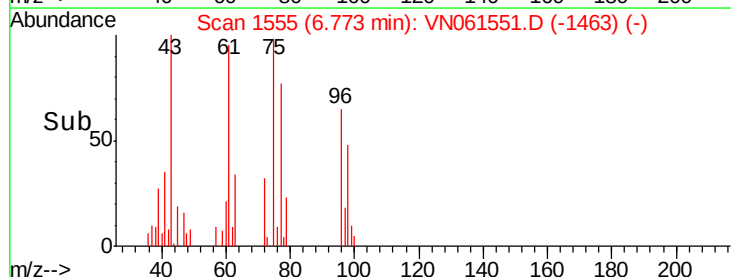
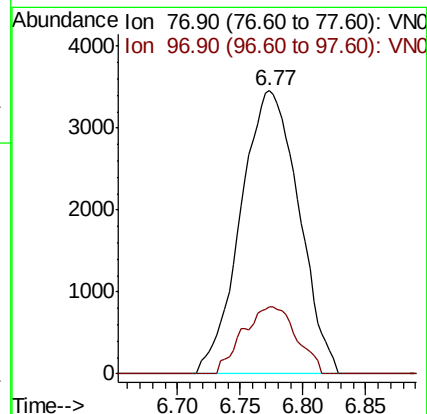
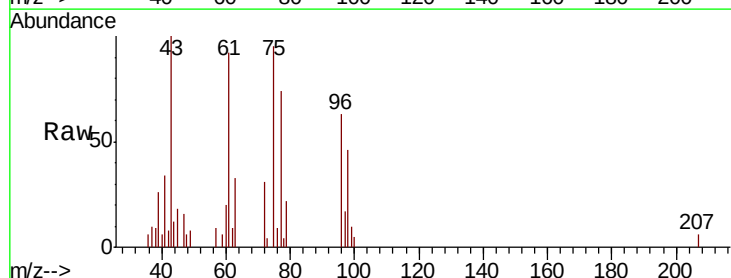
Acq: 29 May 2020 00:00

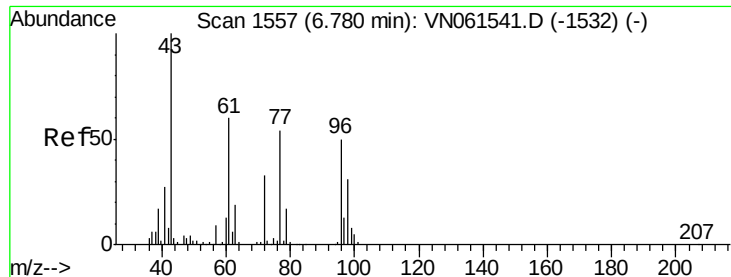
Tgt Ion: 77 Resp: 11136

Ion Ratio Lower Upper

77 100

97 21.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 2.503 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

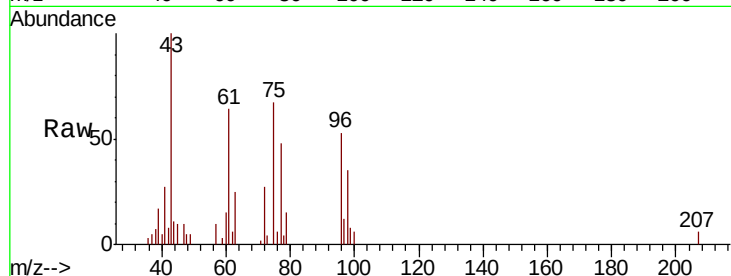
Tot Ion: 96 Resp: 9591

Ion Ratio Lower Upper

96 100

61 130.5 0.0 252.2

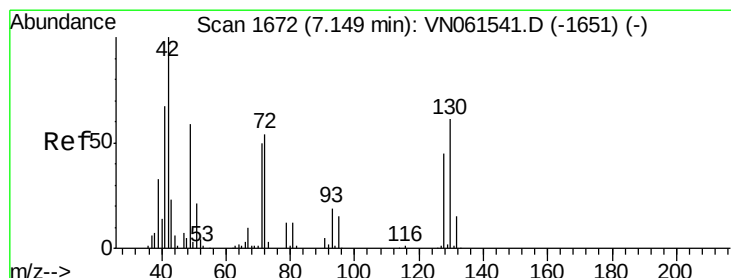
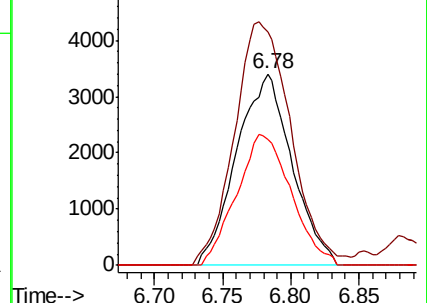
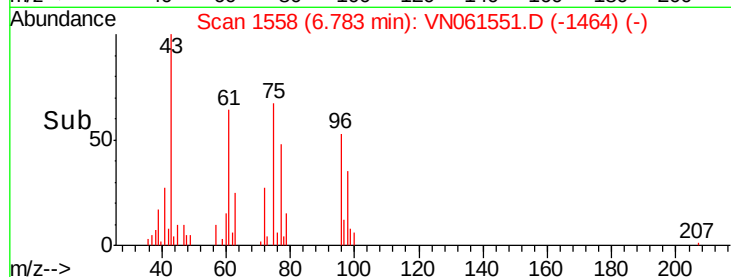
98 67.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061551.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061551.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061551.D (-1464) (-)



#28

Bromochloromethane

Concen: 0.599 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

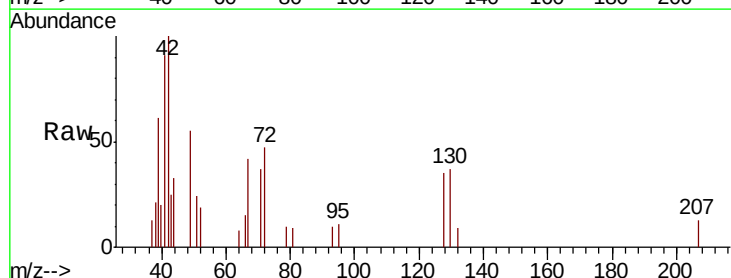
Tgt Ion: 49 Resp: 1418

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

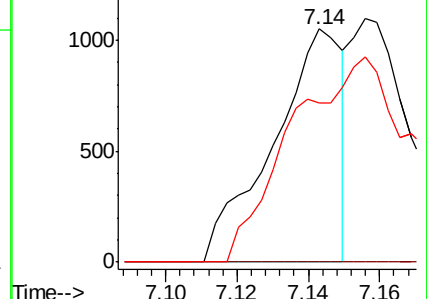
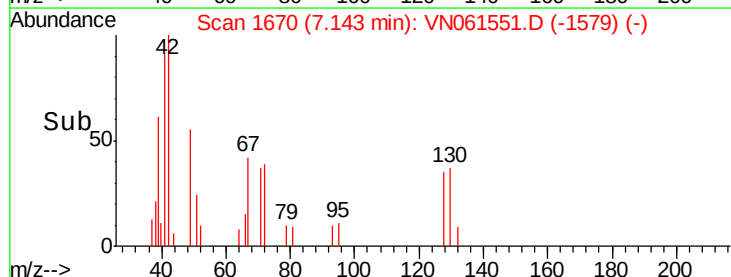
130 154.4 78.8 118.2#

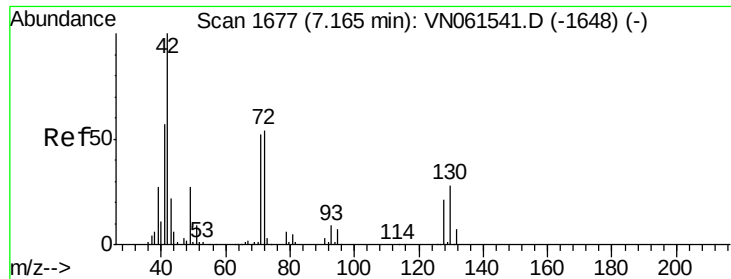


Abundance Ion 48.90 (48.60 to 49.60): VN061551.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061551.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061551.D (-1579) (-)

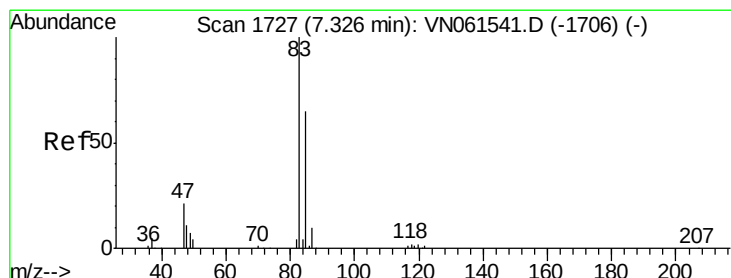
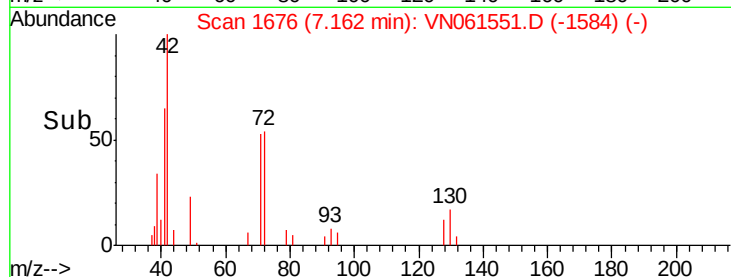
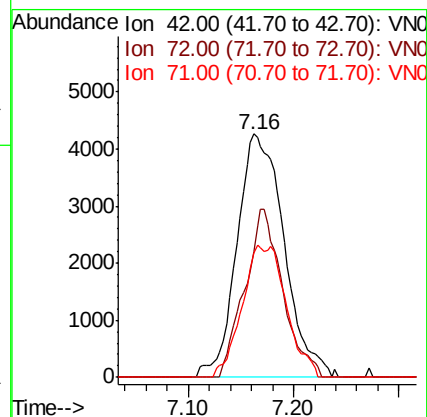
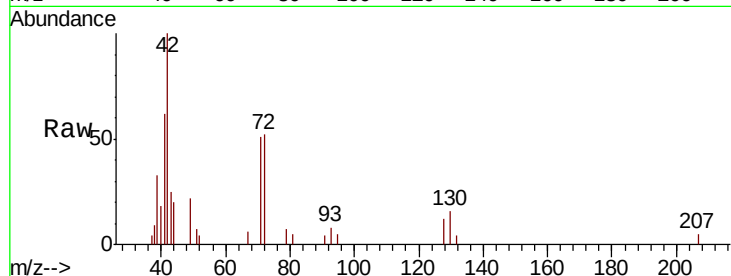




#29
Tetrahydrofuran
Concen: 12.125 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

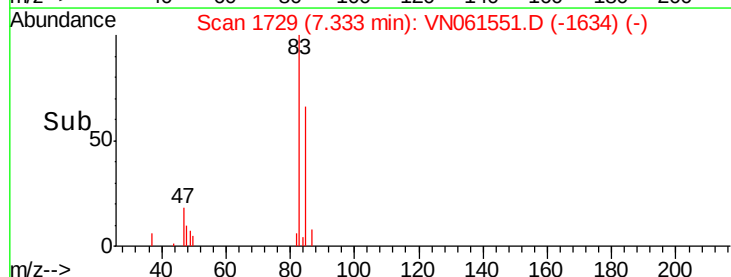
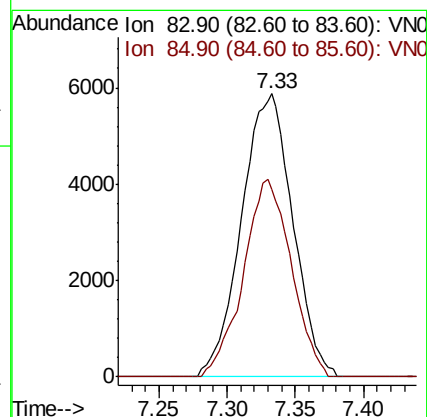
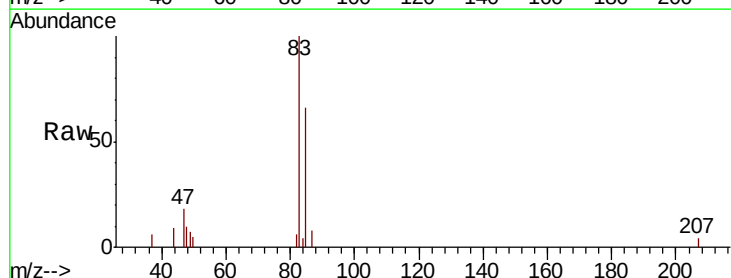
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

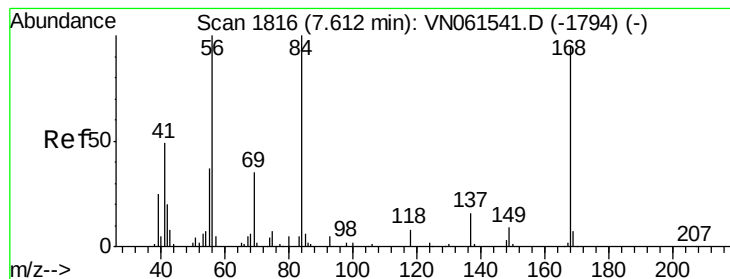
Tot Ion: 42 Resp: 13255
Ion Ratio Lower Upper
42 100
72 55.6 43.6 65.4
71 26.2 41.2 61.8#



#30
Chloroform
Concen: 2.528 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 83 Resp: 15333
Ion Ratio Lower Upper
83 100
85 66.4 51.7 77.5





#31

Cyclohexane

Concen: 3.579 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

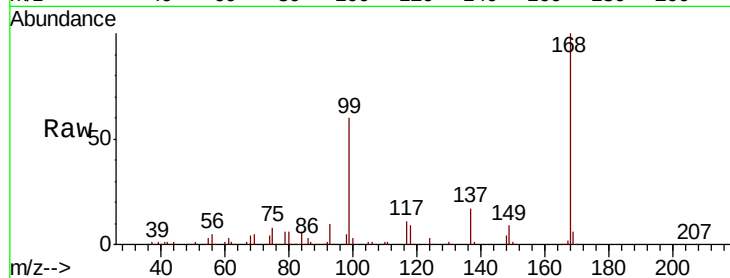
Tot Ion: 56 Resp: 17643

Ion Ratio Lower Upper

56 100

69 93.9 27.8 41.8#

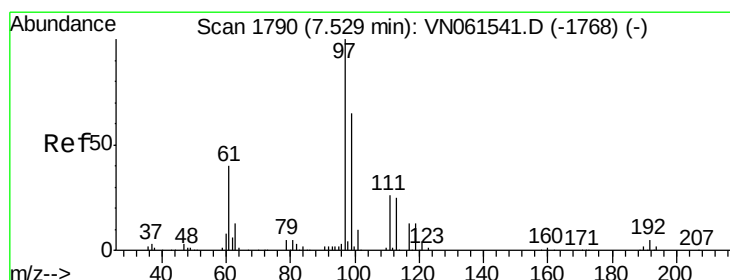
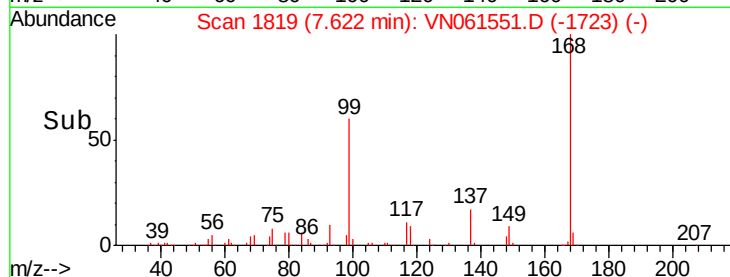
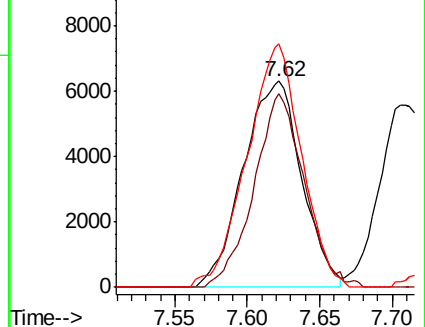
84 118.2 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061551.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061551.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061551.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 2.569 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

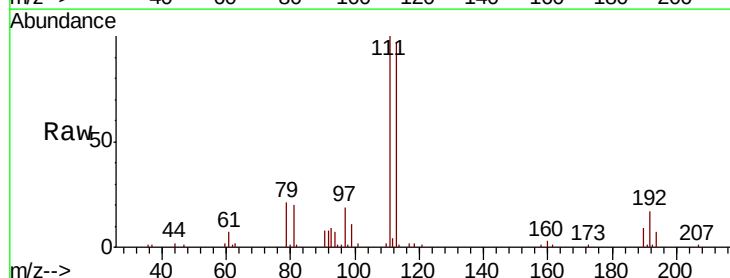
Tgt Ion: 97 Resp: 14199

Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

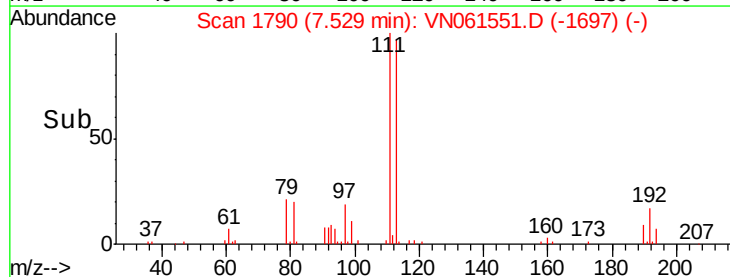
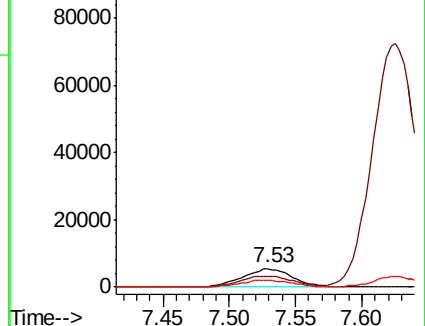
61 39.7 31.4 47.0

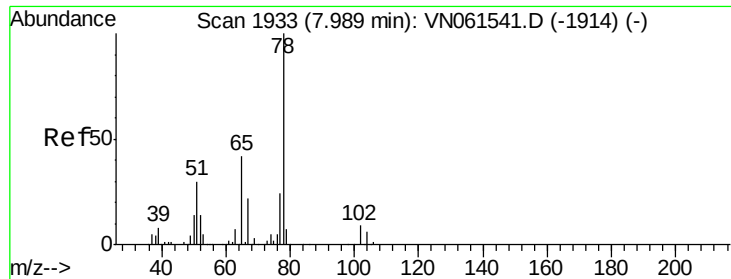


Abundance Ion 96.90 (96.60 to 97.60): VN061551.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061551.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061551.D (-1697) (-)

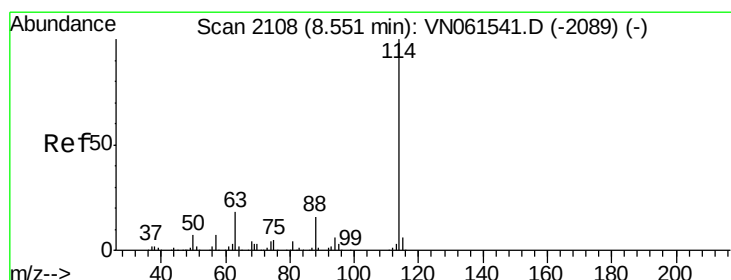
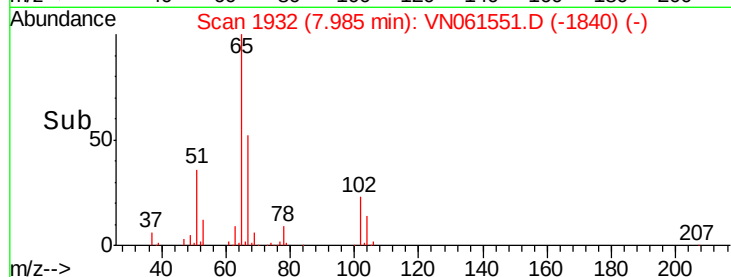
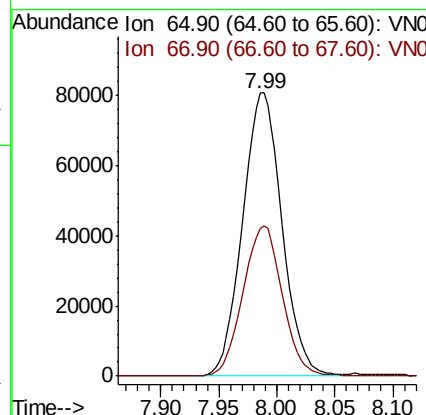
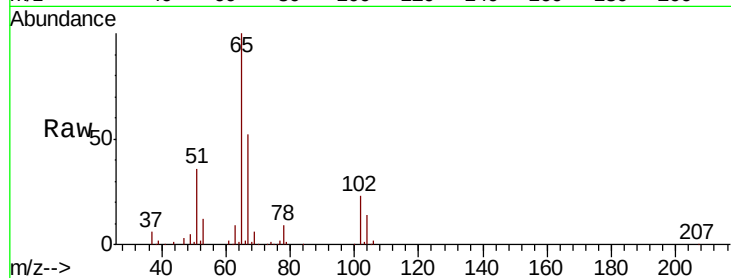




#33
 1,2-Dichloroethane-d4
 Concen: 54.578 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

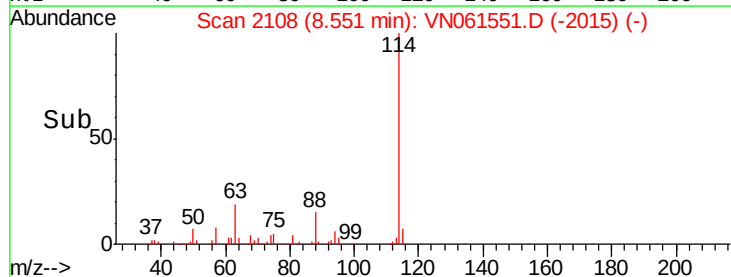
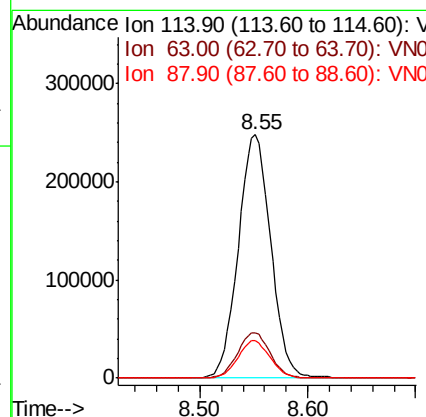
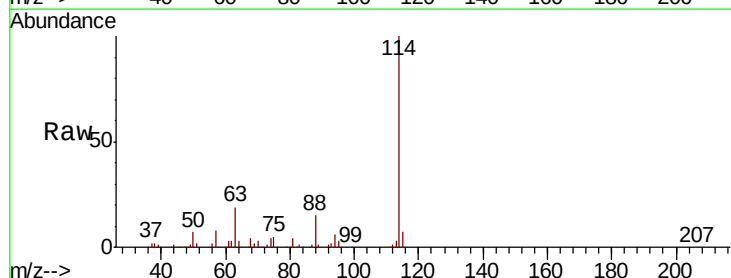
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

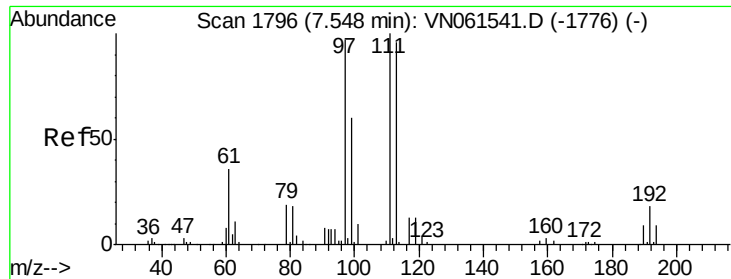
Tot Ion: 65 Resp: 190918
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 114 Resp: 520398
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.8
 88 15.4 0.0 31.0

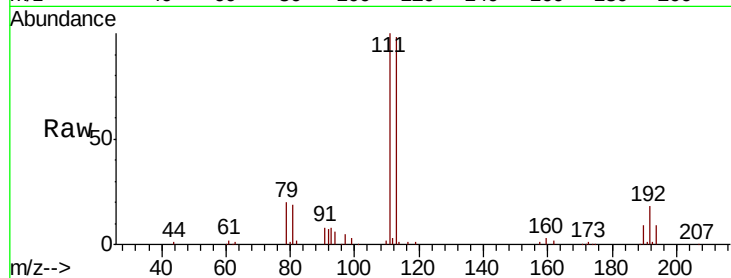




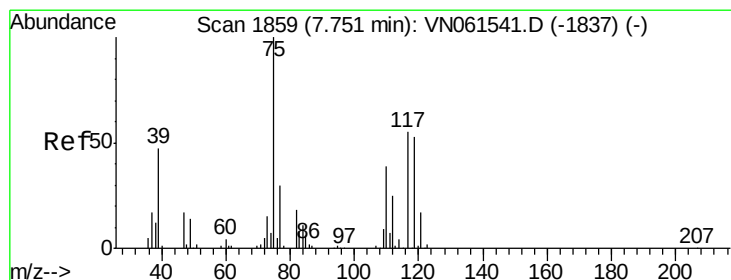
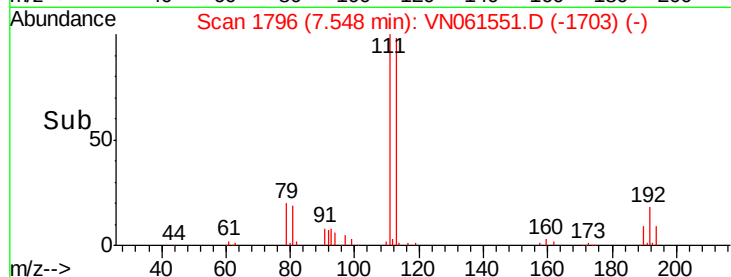
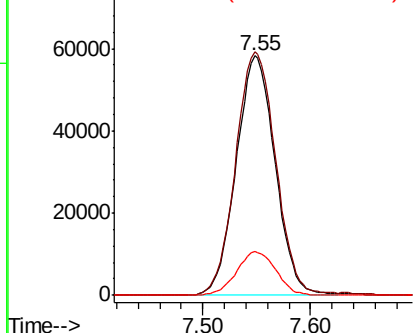
#35
 Dibromofluoromethane
 Concen: 55.562 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.4	125.0
192	18.4	15.4	23.2

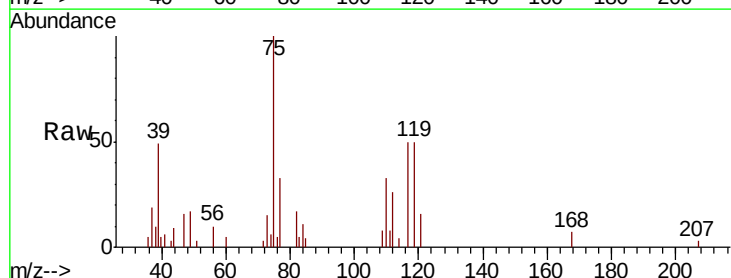


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

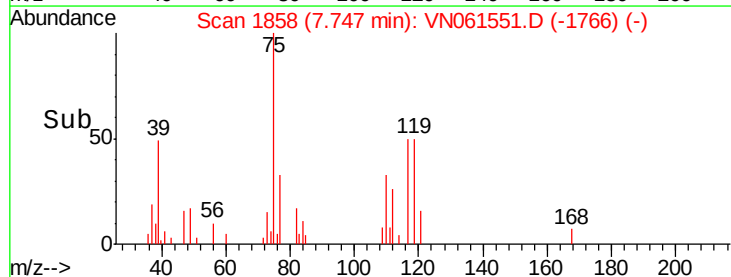
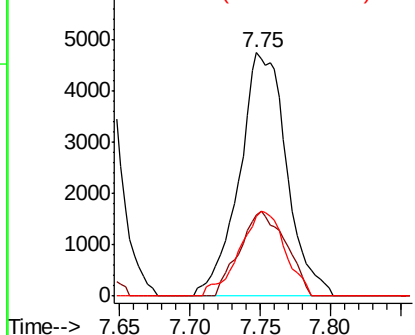


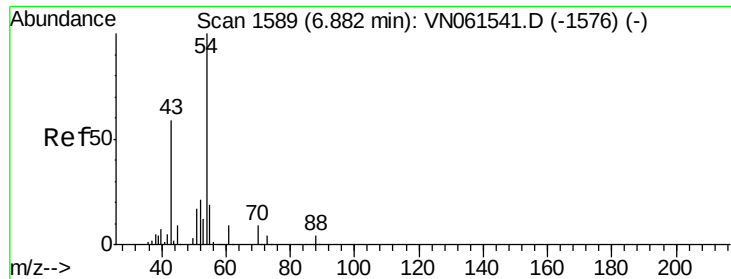
#36
 1,1-Dichloropropene
 Concen: 2.422 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.5	58.5
77	33.4	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

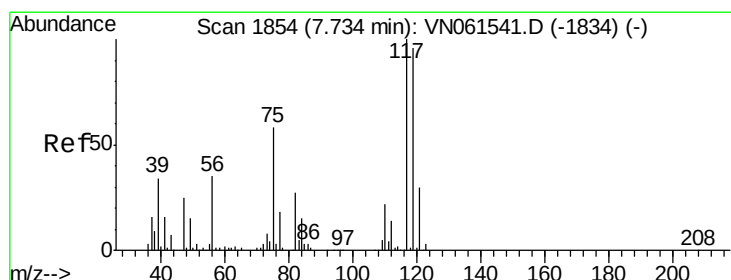
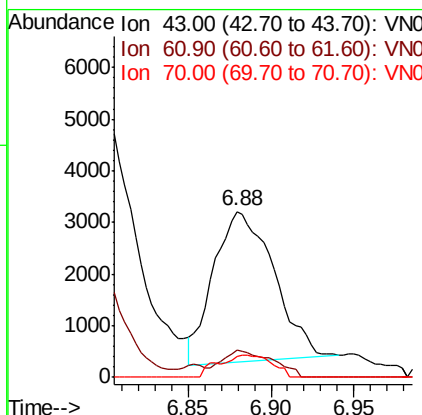
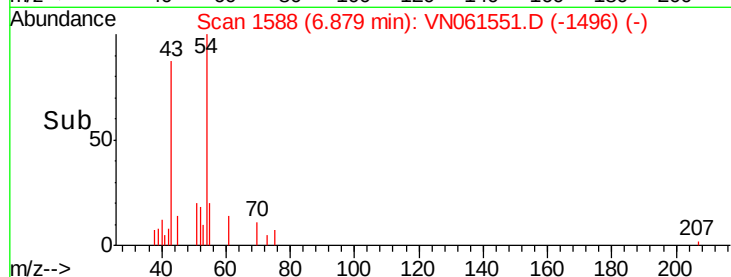
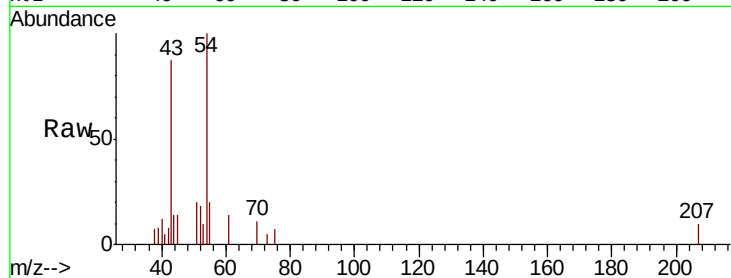




#37
Ethyl Acetate
Concen: 1.985 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

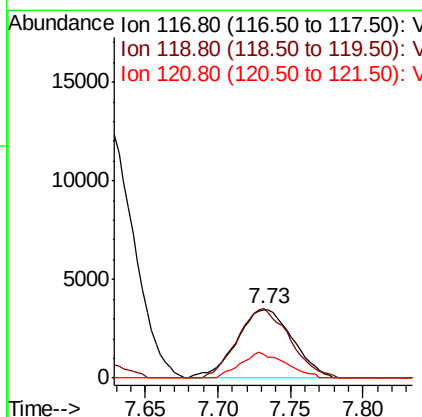
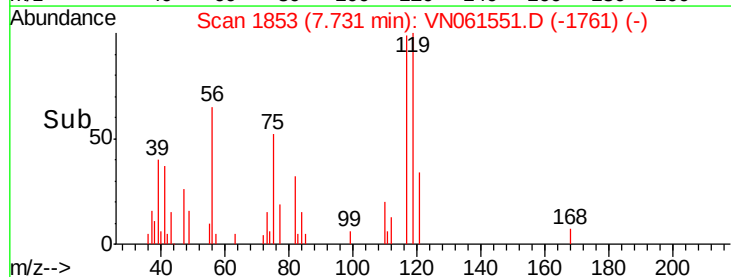
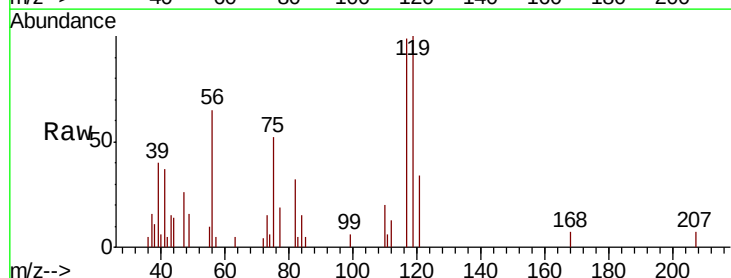
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

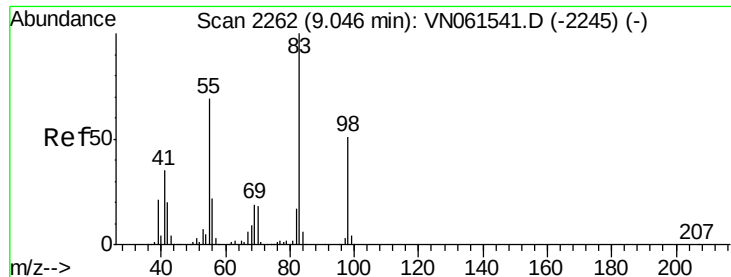
Tot Ion: 43 Resp: 7367
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.4
70 13.2 9.4 14.2



#38
Carbon Tetrachloride
Concen: 2.107 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 117 Resp: 9365
Ion Ratio Lower Upper
117 100
119 100.9 76.5 114.7
121 34.3 24.1 36.1

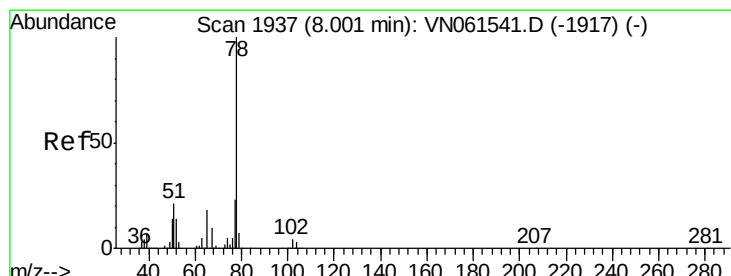
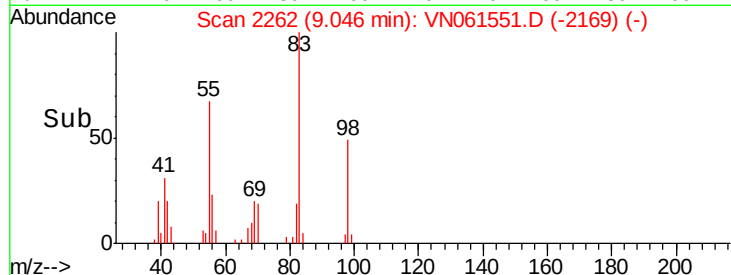
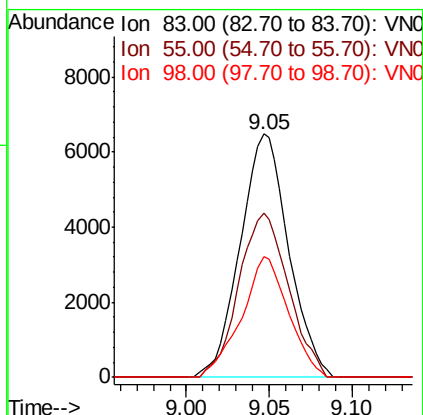
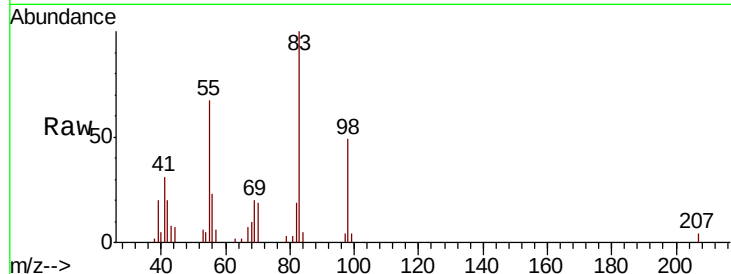




#39
Methylvlcyclohexane
Concen: 2.313 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

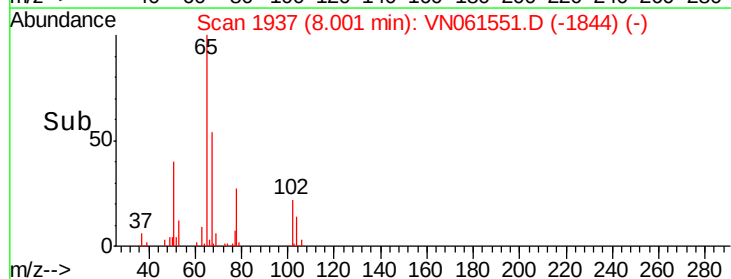
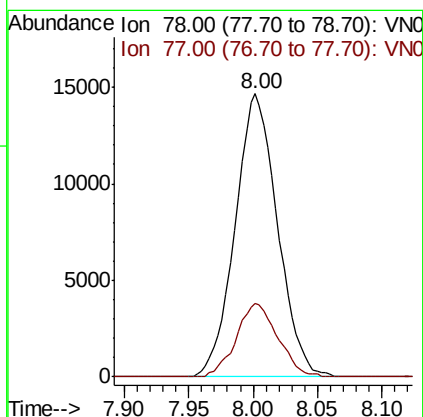
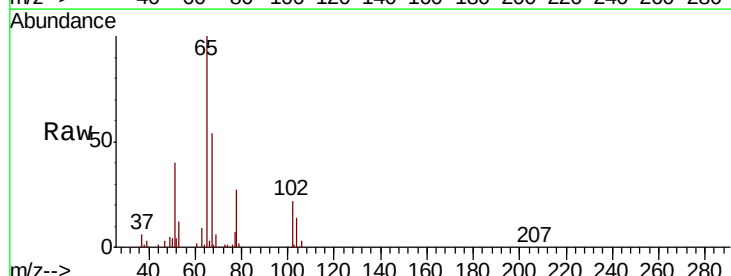
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

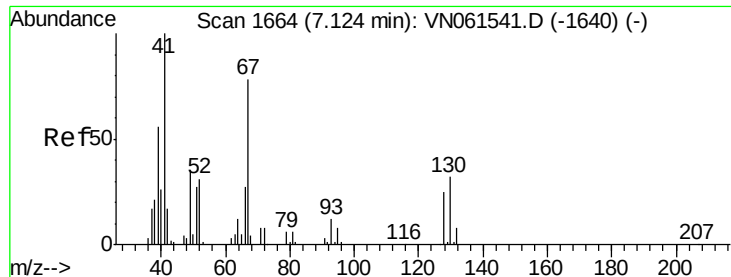
Tot Ion	83	Resp	13135
Ion Ratio	Lower	Upper	
83	100		
55	67.3	54.9	82.3
98	49.5	41.0	61.4



#40
Benzene
Concen: 2.356 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion	78	Resp	33495
Ion Ratio	Lower	Upper	
78	100		
77	26.0	18.6	28.0

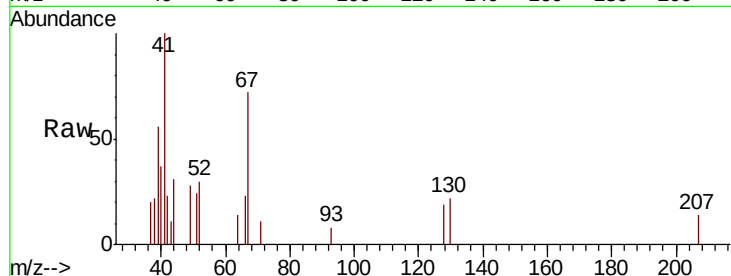




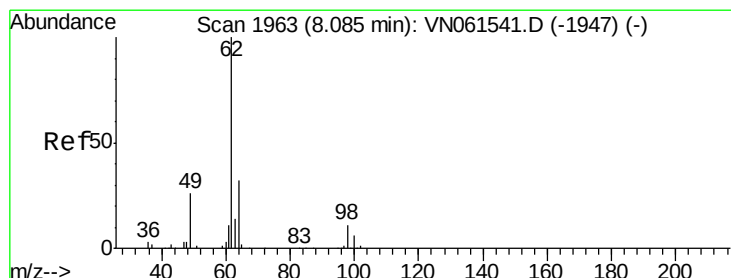
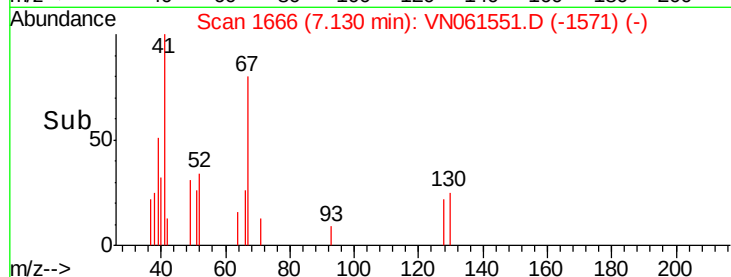
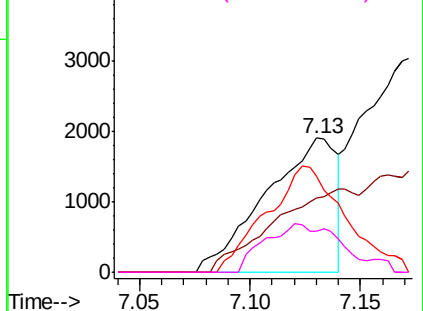
#41
Methacrylonitrile
Concen: 2.492 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:	41	Resp:	4236
Ion	Ratio	Lower	Upper
41	100		
39	73.1	53.8	80.6
67	88.0	91.1	136.7#
52	37.7	36.0	54.0

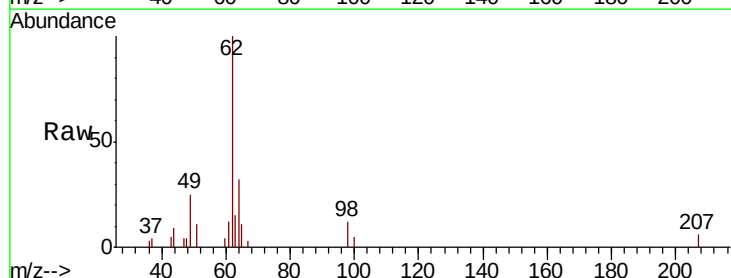


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

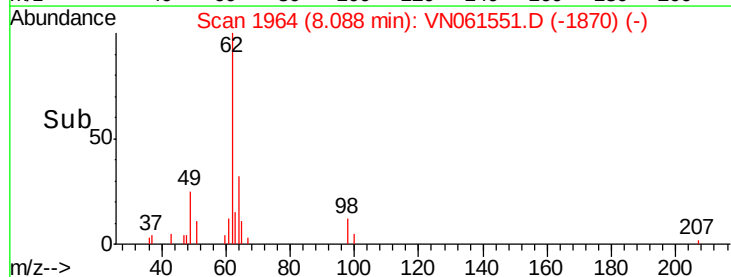
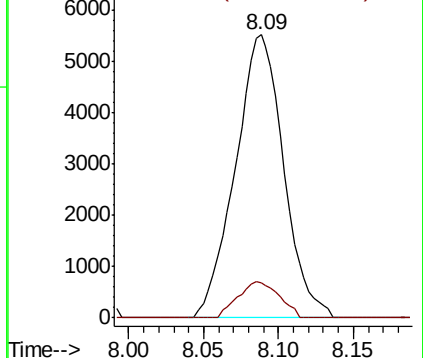


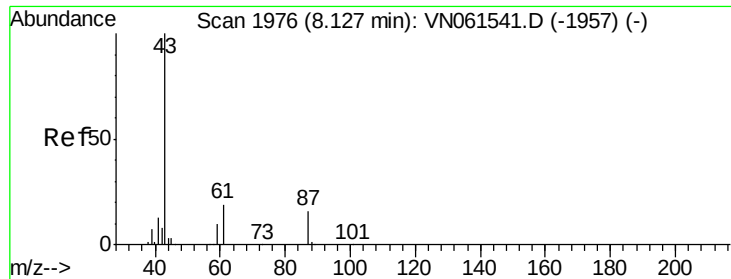
#42
1,2-Dichloroethane
Concen: 2.603 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion:	62	Resp:	12387
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 2.443 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

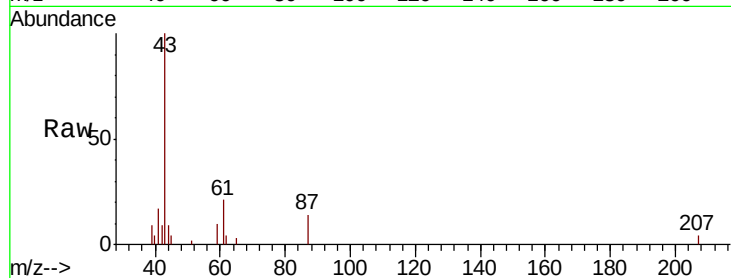
Tot Ion: 43 Resp: 16307

Ion Ratio Lower Upper

43 100

61 19.8 23.6 35.4#

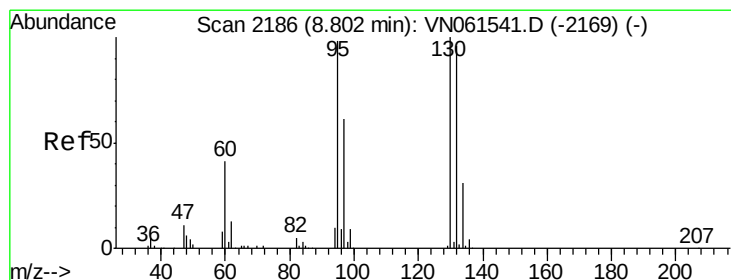
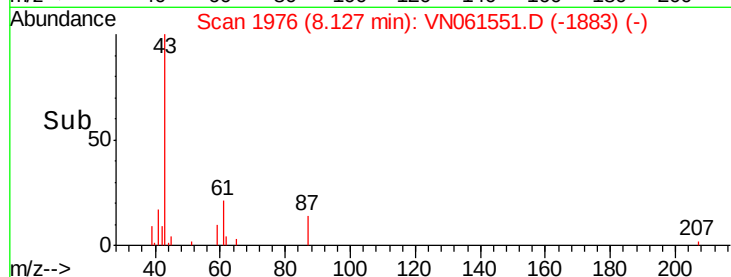
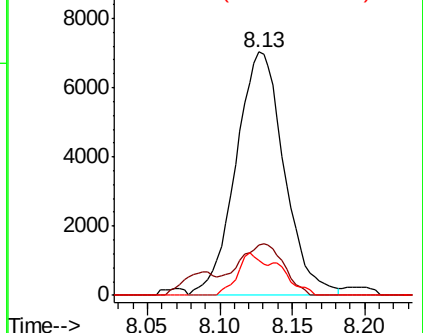
87 9.7 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)



#44

Trichloroethene

Concen: 2.315 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VN061551.D

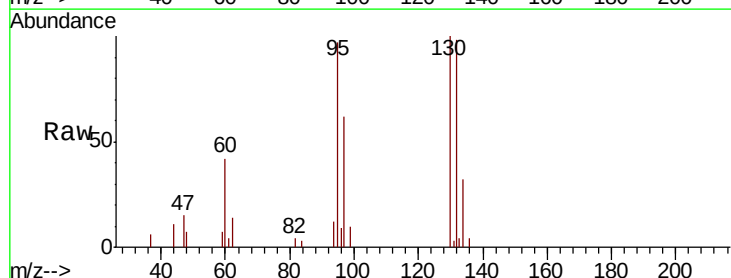
Acq: 29 May 2020 00:00

Tgt Ion: 130 Resp: 10111

Ion Ratio Lower Upper

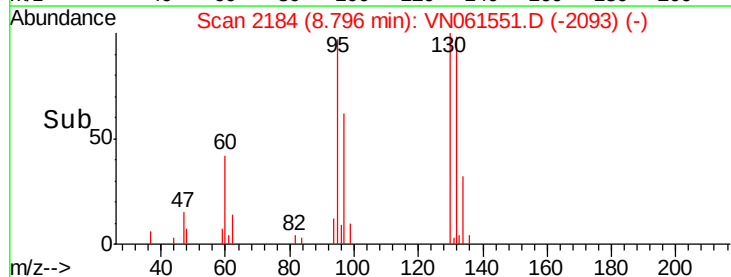
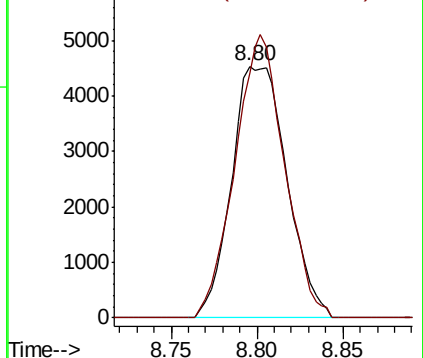
130 100

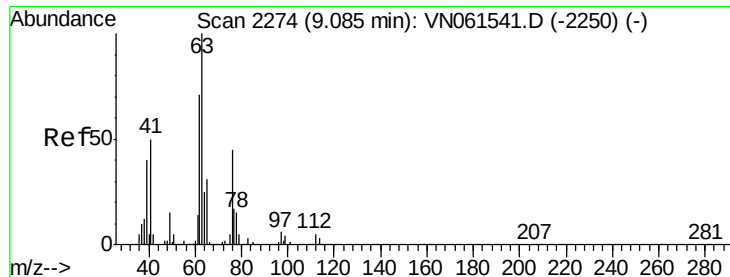
95 97.2 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)

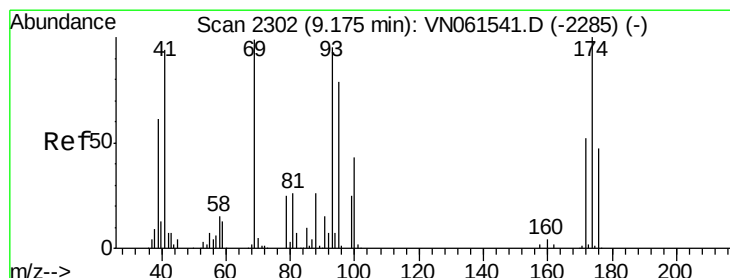
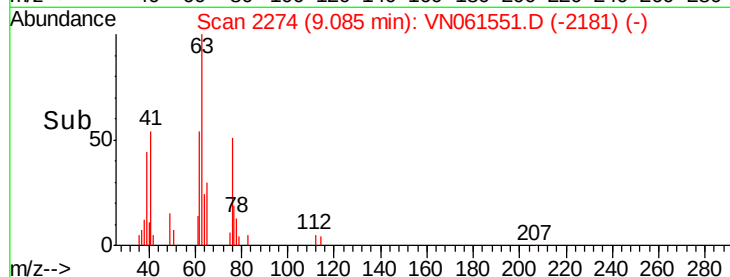
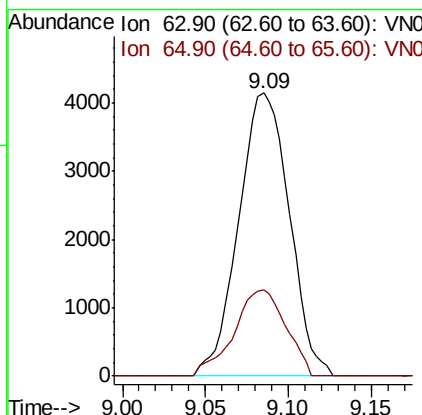
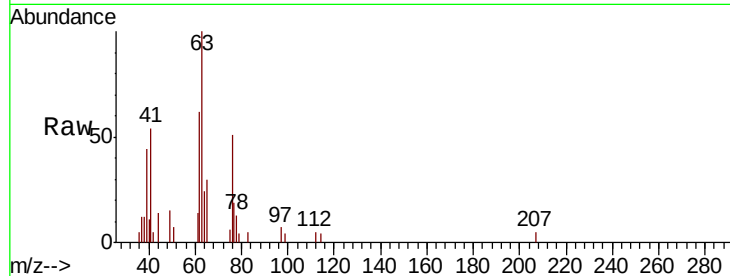




#45
 1,2-Dichloropropane
 Concen: 2.605 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

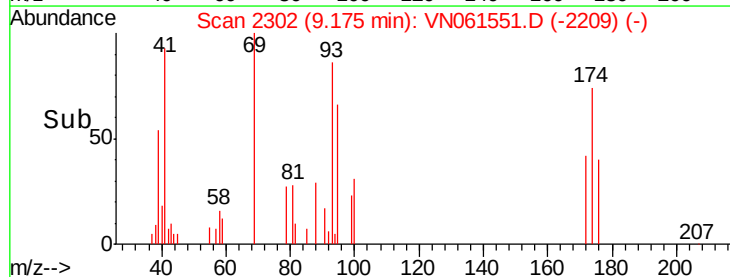
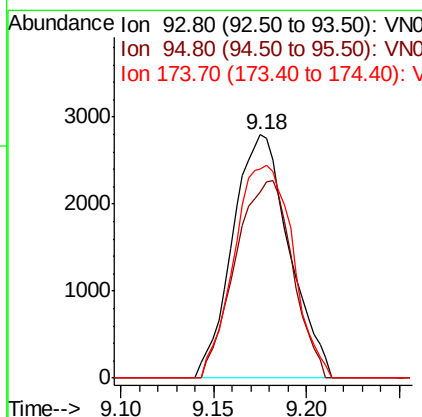
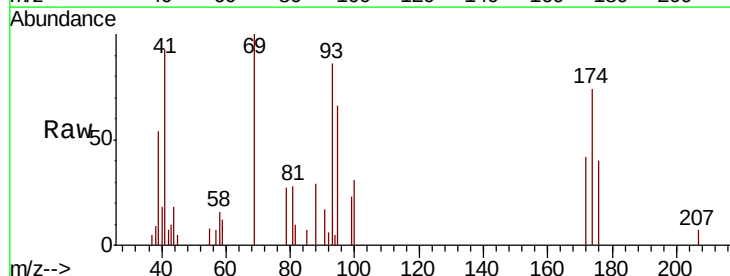
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

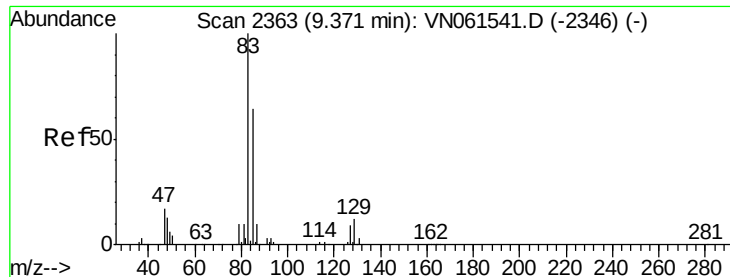
Tot Ion: 63 Resp: 8794
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 2.292 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 93 Resp: 5933
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.0 99.0
 174 90.3 82.5 123.7





#47

Bromodichloromethane

Concen: 2.218 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

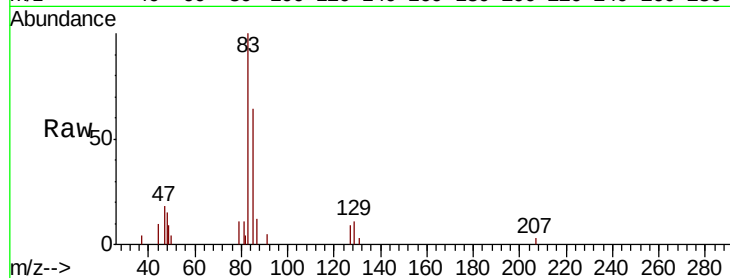
Tot Ion: 83 Resp: 11377

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7

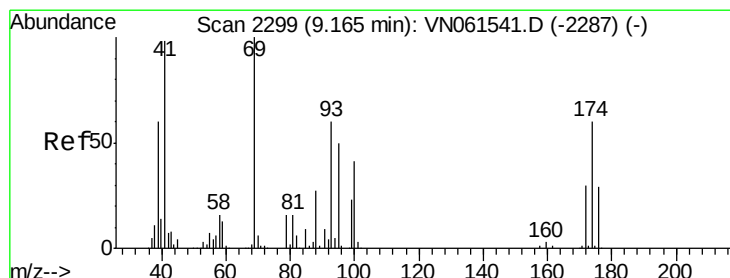
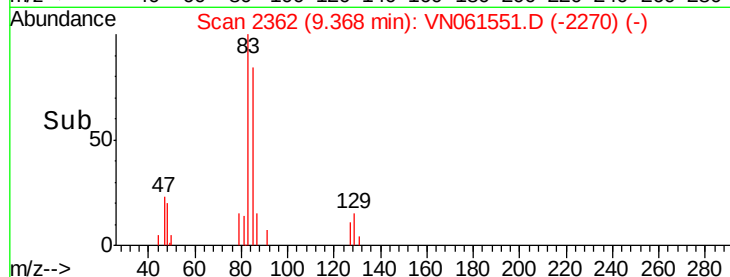
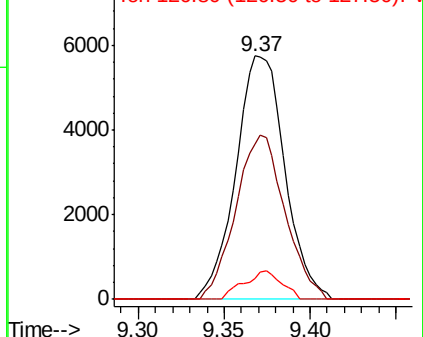
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061551.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061551.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061551.D (-2270) (-)



#48

Methyl methacrylate

Concen: 2.364 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

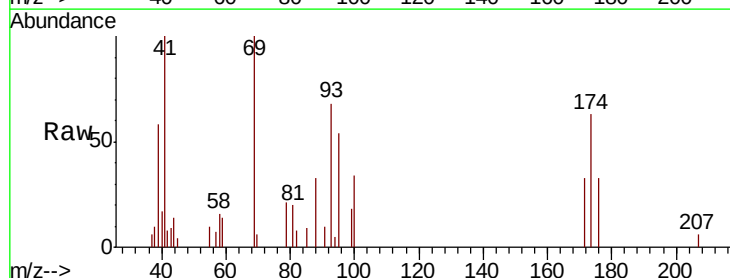
Tgt Ion: 41 Resp: 7099

Ion Ratio Lower Upper

41 100

69 96.5 83.9 125.9

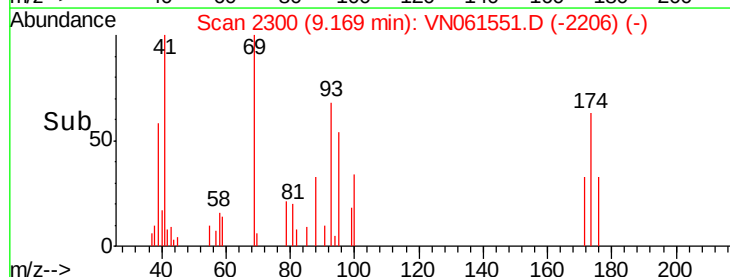
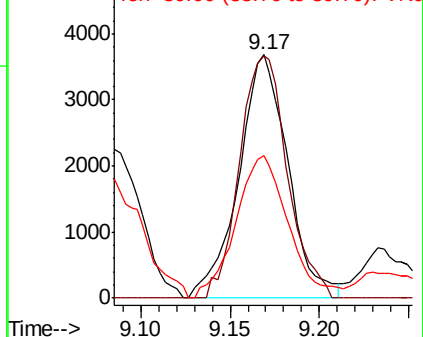
39 62.4 52.1 78.1

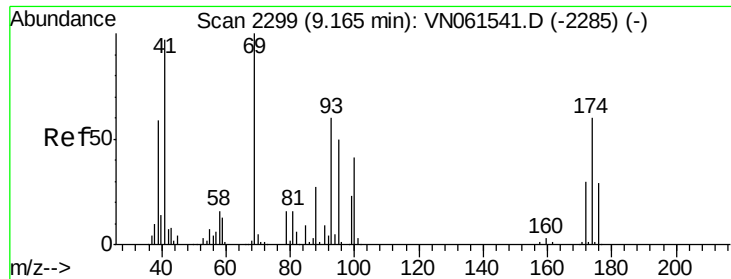


Abundance Ion 41.00 (40.70 to 41.70): VN061551.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061551.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061551.D (-2206) (-)

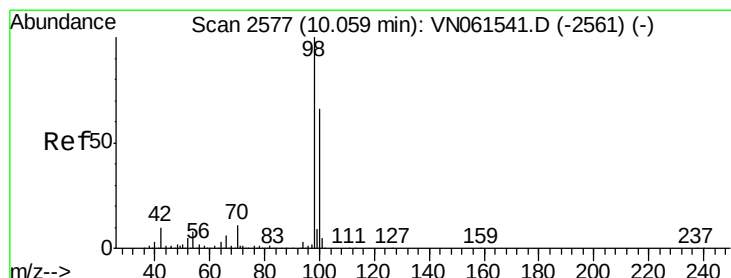
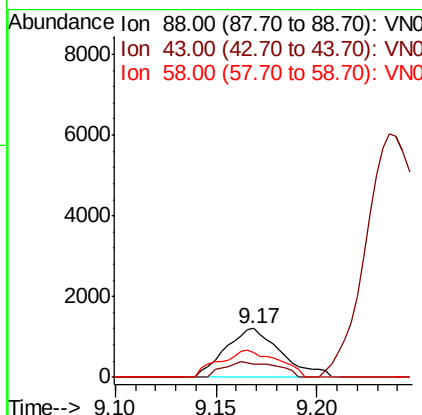
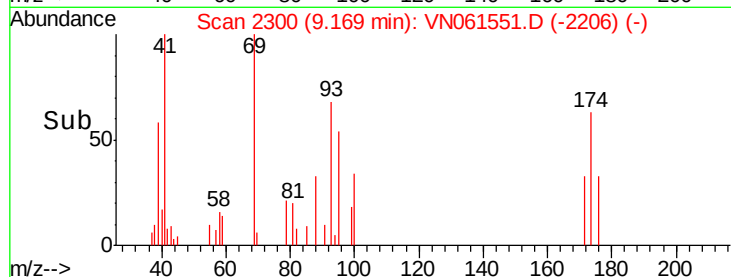
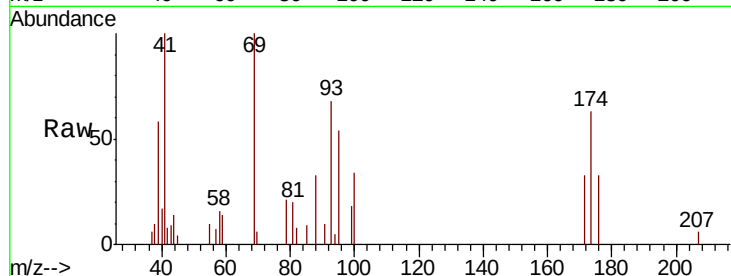




#49
1,4-Dioxane
Concen: 50.055 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

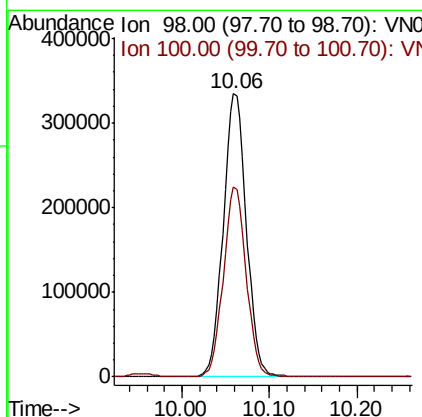
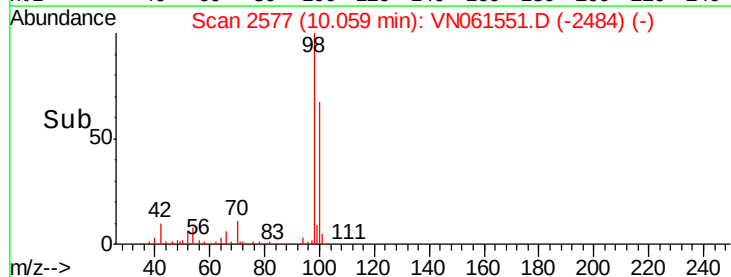
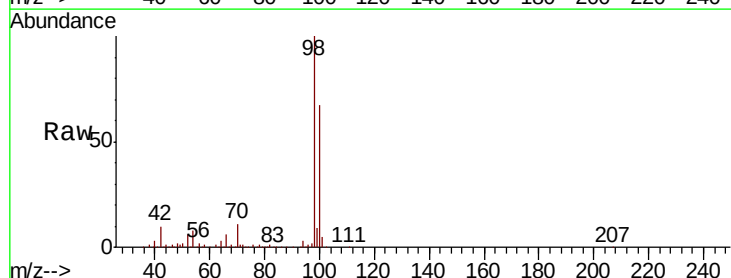
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

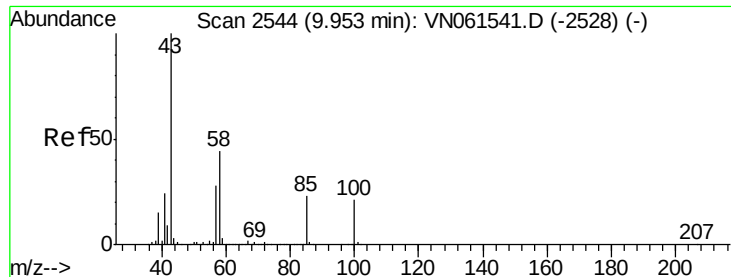
Tot Ion: 88 Resp: 2329
Ion Ratio Lower Upper
88 100
43 30.6 23.1 34.7
58 58.5 48.3 72.5



#50
Toluene-d8
Concen: 50.234 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 98 Resp: 614538
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2

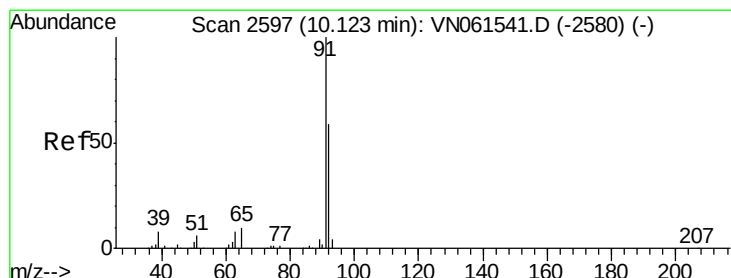
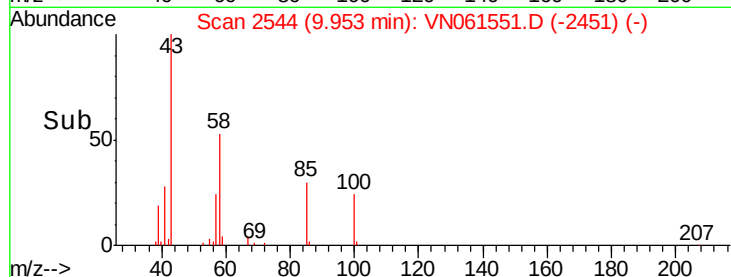
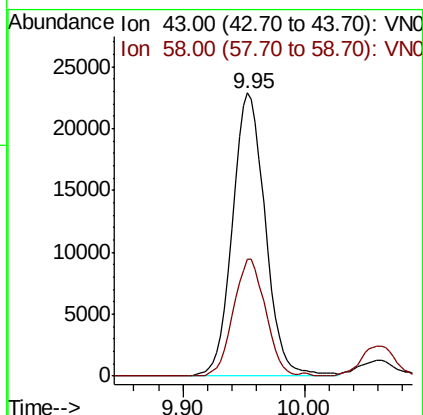
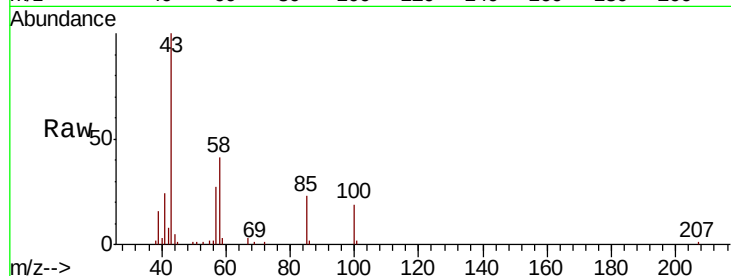




#51
 4-Methyl-2-Pentanone
 Concen: 11.337 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

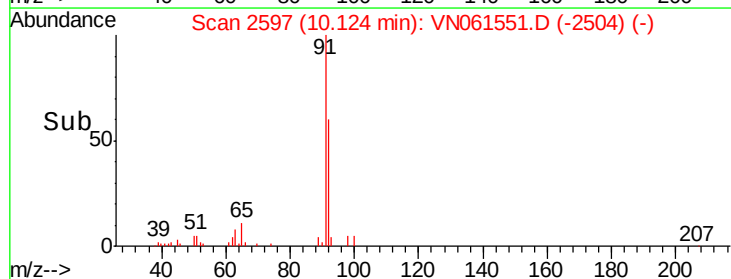
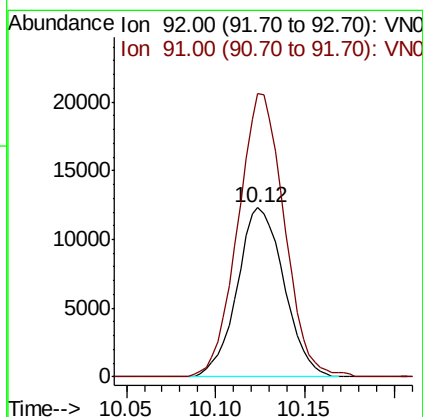
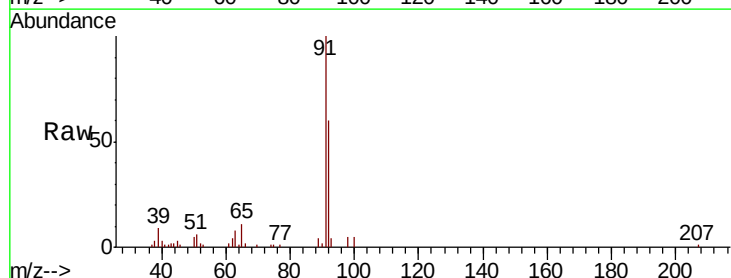
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

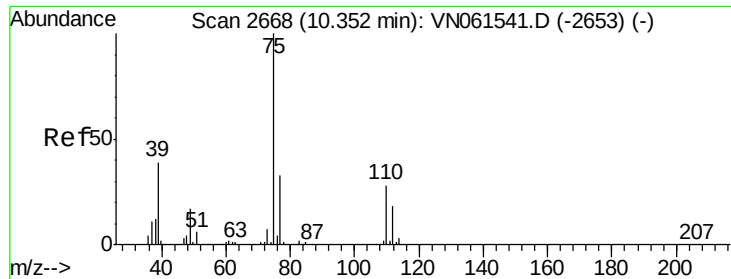
Tot Ion: 43 Resp: 42649
 Ion Ratio Lower Upper
 43 100
 58 40.3 35.0 52.6



#52
 Toluene
 Concen: 2.419 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 92 Resp: 22440
 Ion Ratio Lower Upper
 92 100
 91 166.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 2.167 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

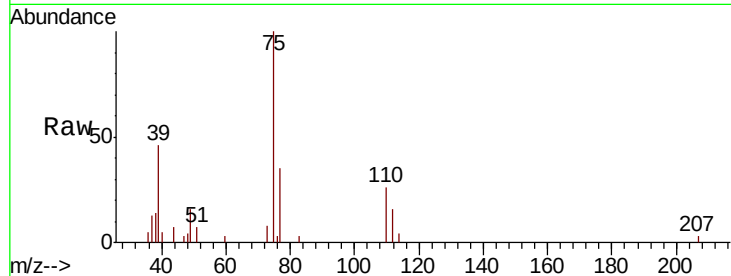
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 75 Resp: 11975

Ion Ratio Lower Upper

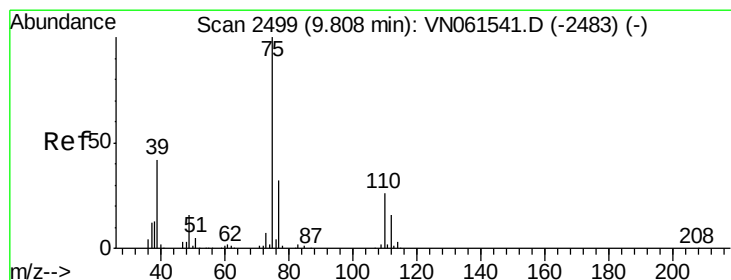
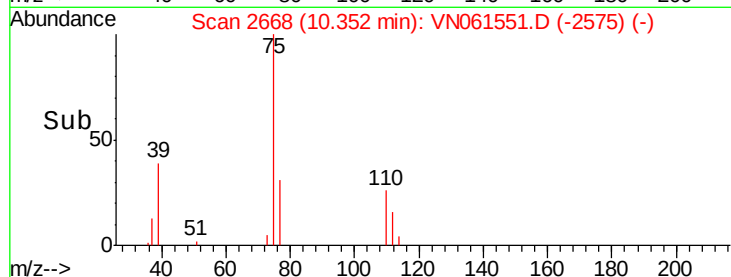
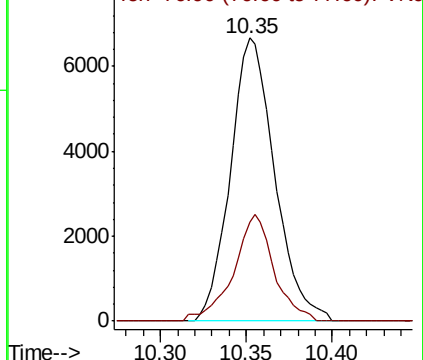
75 100

77 35.2 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 2.153 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

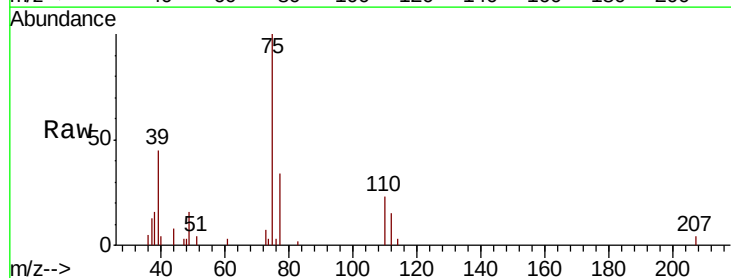
Tgt Ion: 75 Resp: 12789

Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.2

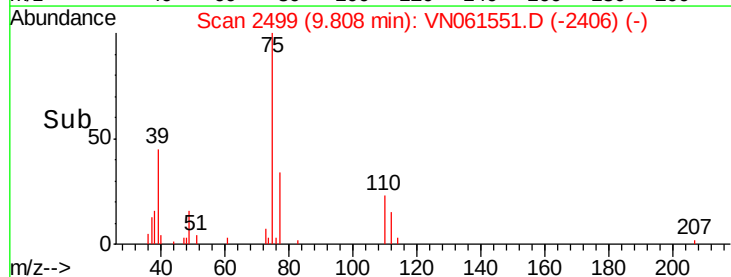
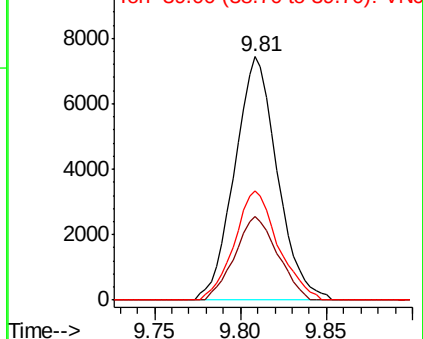
39 45.0 33.8 50.6

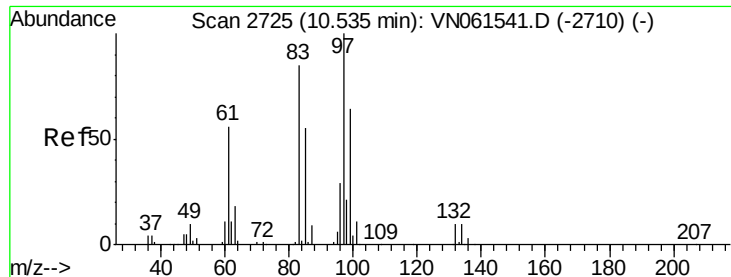


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

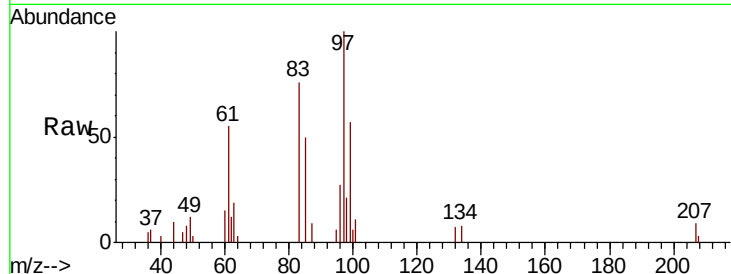




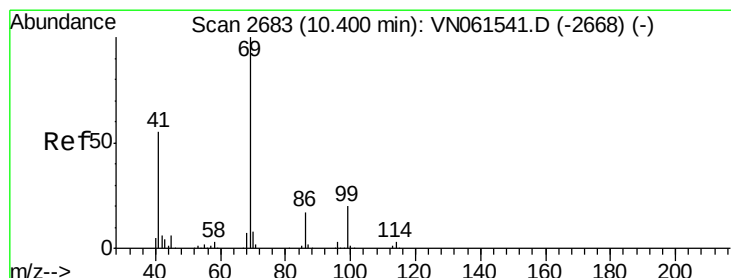
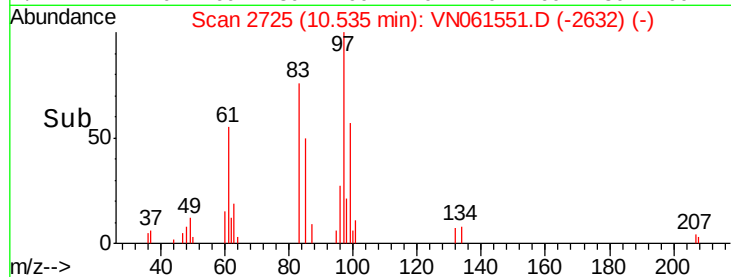
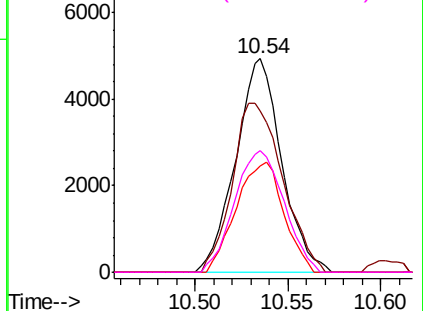
#55
 1,1,2-Trichloroethane
 Concen: 2.304 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:	97	Resp:	8516
Ion	Ratio	Lower	Upper
97	100		
83	75.7	68.1	102.1
85	49.6	44.1	66.1
99	56.9	51.1	76.7

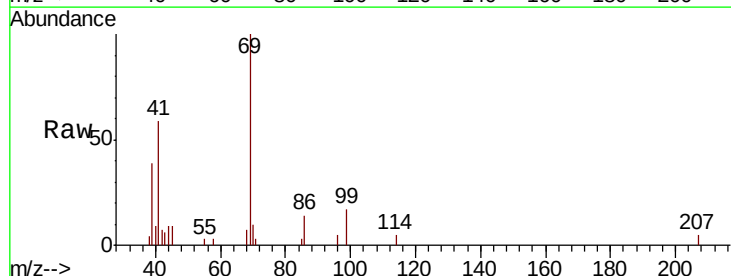


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

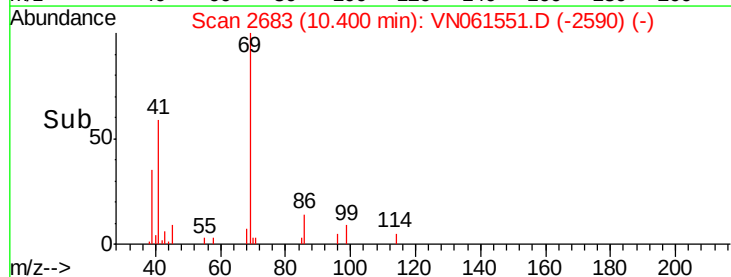
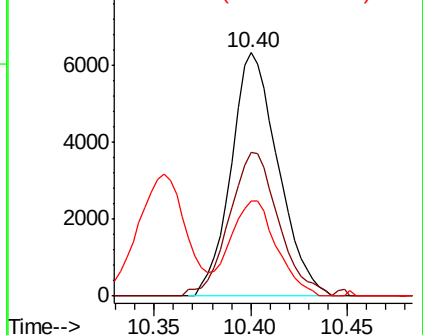


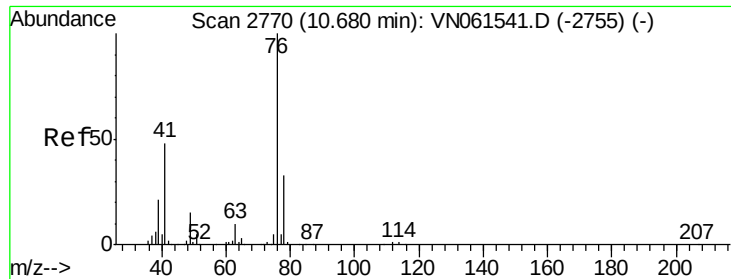
#56
 Ethyl methacrylate
 Concen: 2.065 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion:	69	Resp:	10660
Ion	Ratio	Lower	Upper
69	100		
41	61.9	43.5	65.3
39	39.0	27.0	40.6



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

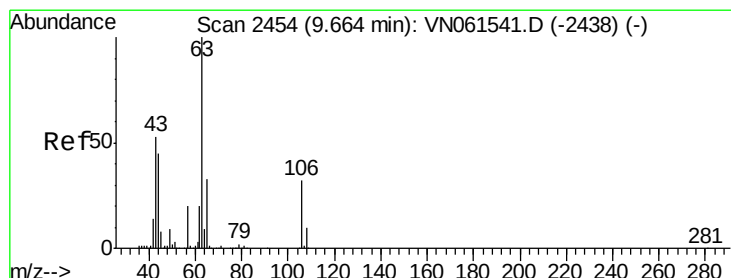
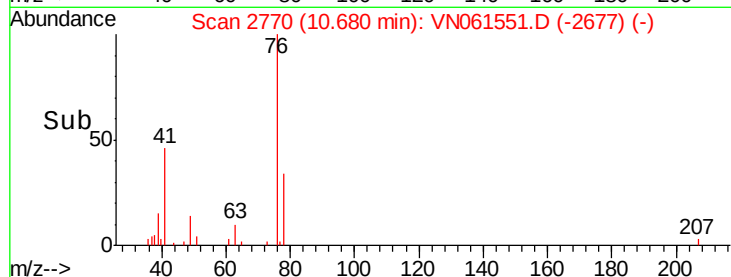
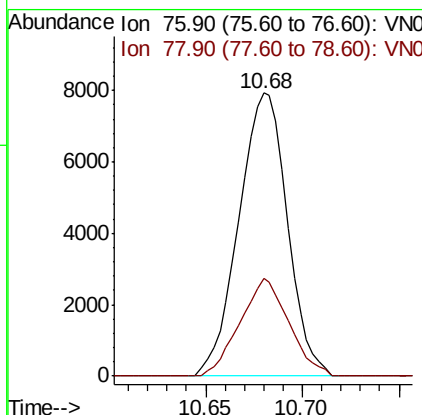
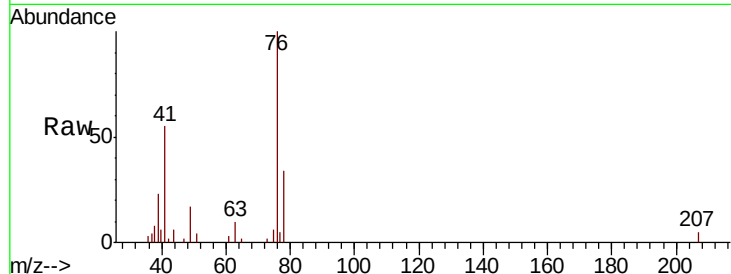




#57
 1,3-Dichloropropane
 Concen: 2.340 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

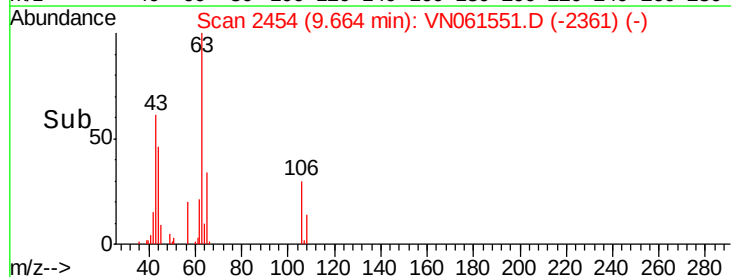
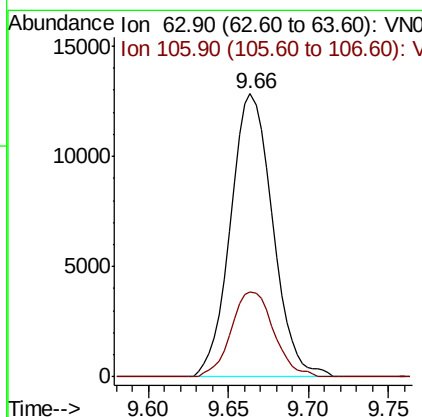
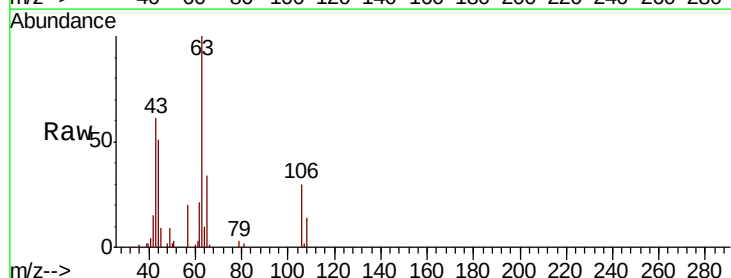
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

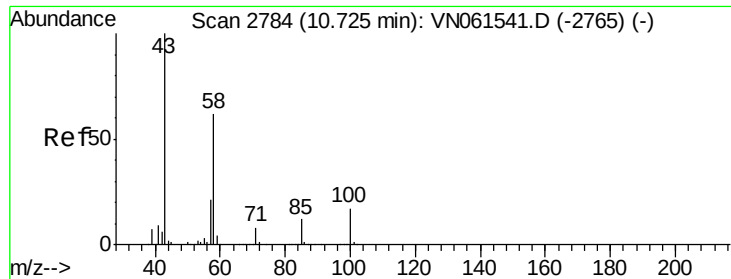
Tot Ion: 76 Resp: 13834
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.463 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 63 Resp: 23087
 Ion Ratio Lower Upper
 63 100
 106 30.3 25.9 38.9

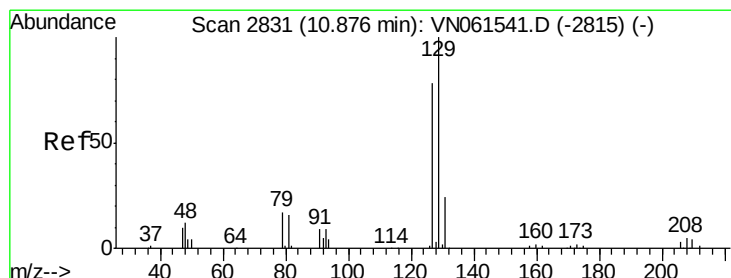
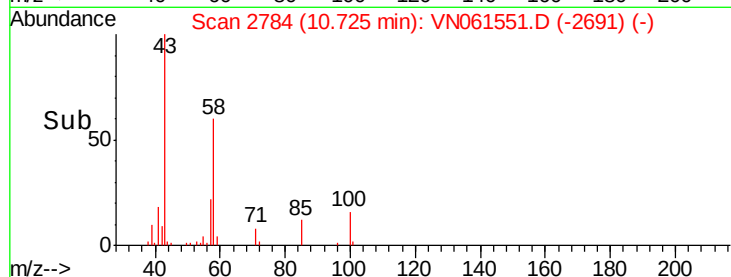
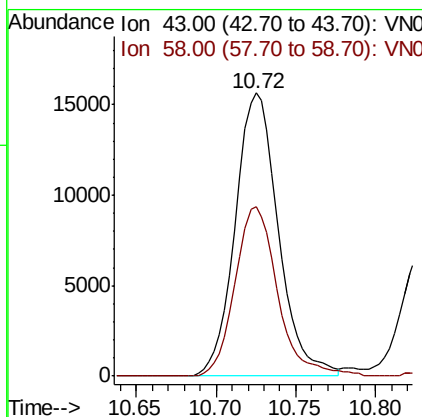
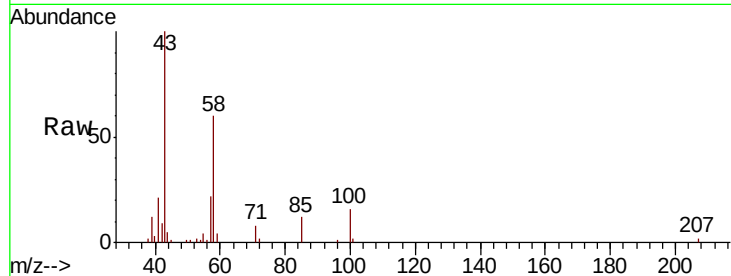




#59
2-Hexanone
Concen: 10.671 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

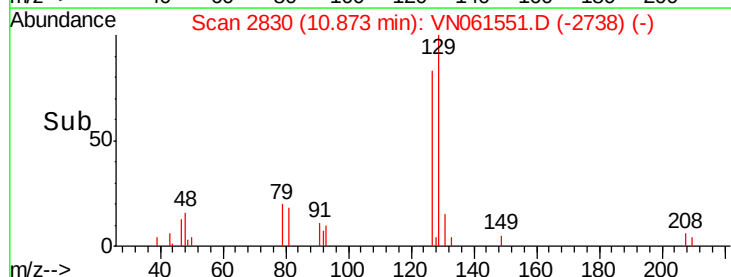
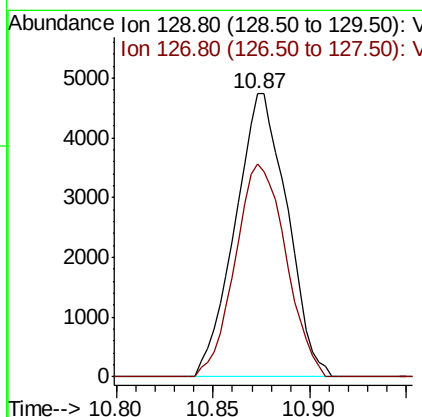
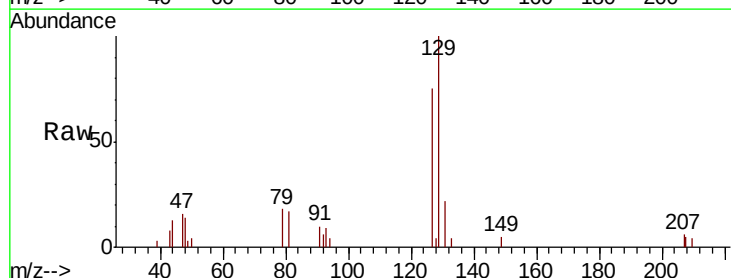
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

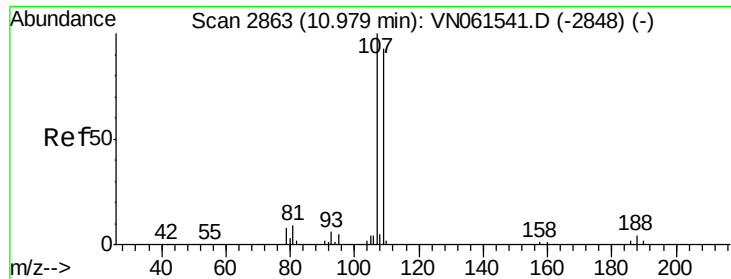
Tot Ion: 43 Resp: 28830
Ion Ratio Lower Upper
43 100
58 59.1 30.7 92.1



#60
Dibromochloromethane
Concen: 2.116 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 129 Resp: 8893
Ion Ratio Lower Upper
129 100
127 73.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 2.294 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

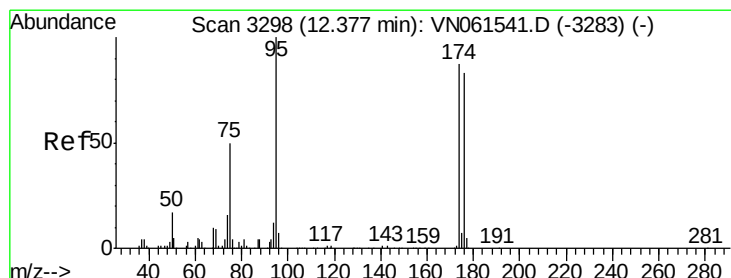
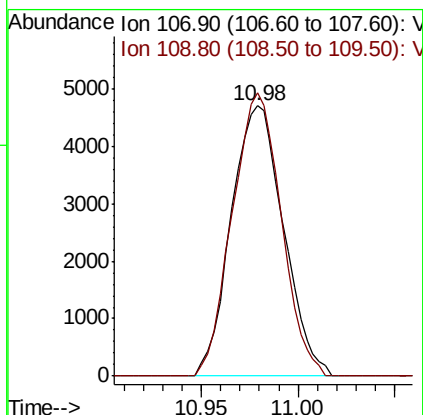
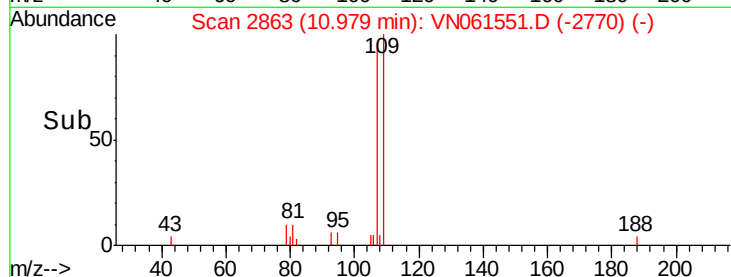
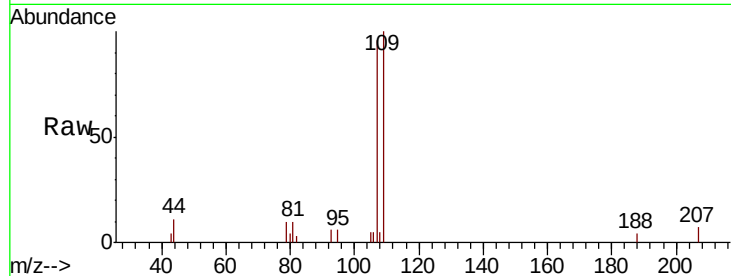
LOD-MDL-WATER-01-QT2-2020

Tot Ion:107 Resp: 8844

Ion Ratio Lower Upper

107 100

109 98.2 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 46.459 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

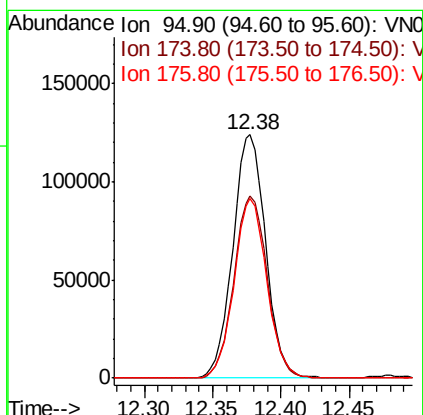
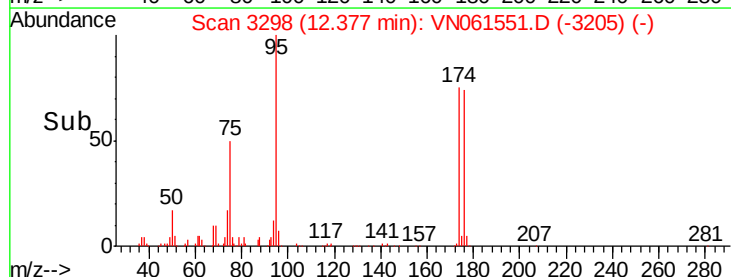
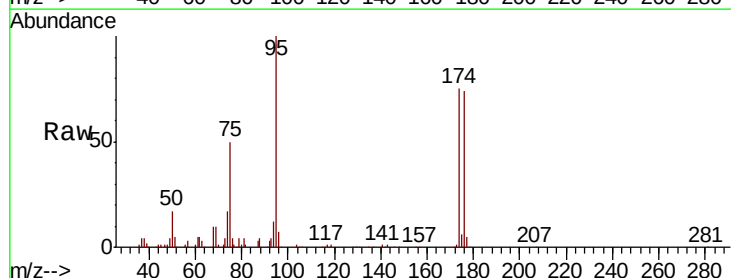
Tgt Ion: 95 Resp: 207358

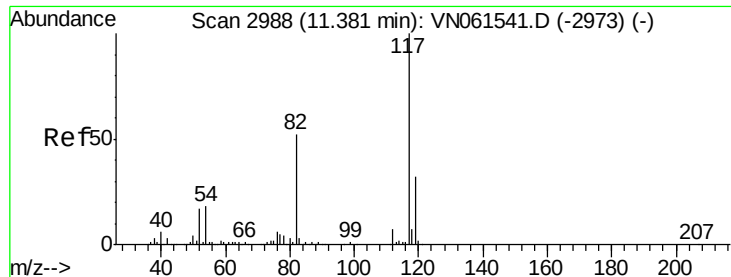
Ion Ratio Lower Upper

95 100

174 76.0 0.0 172.8

176 73.5 0.0 164.8

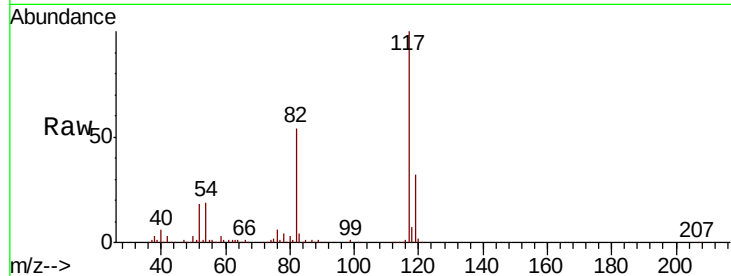




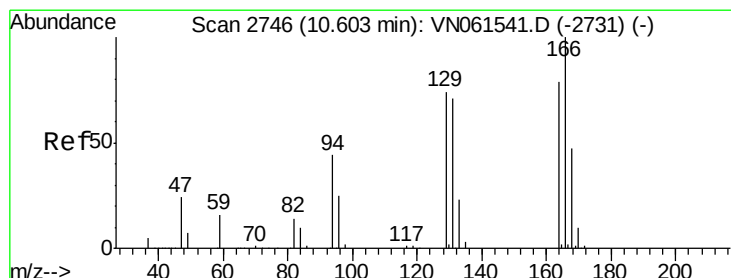
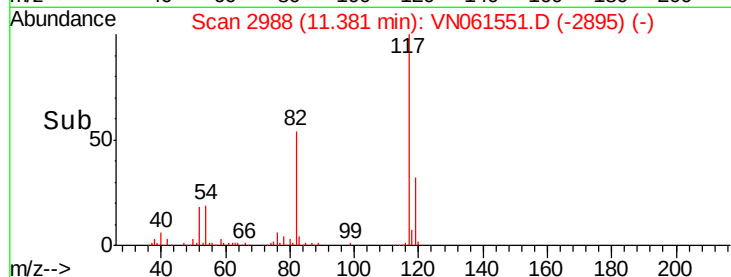
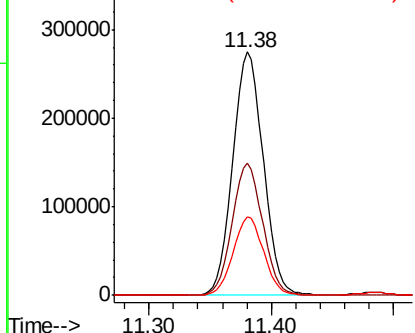
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:117 Resp: 479012
Ion Ratio Lower Upper
117 100
82 54.3 41.5 62.3
119 32.2 25.6 38.4

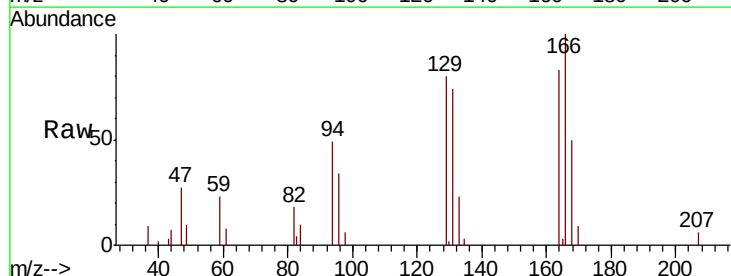


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

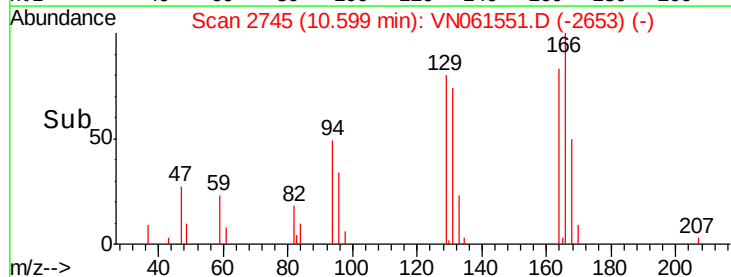
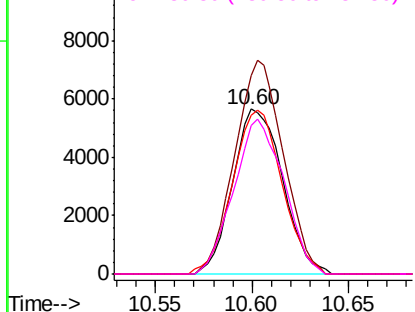


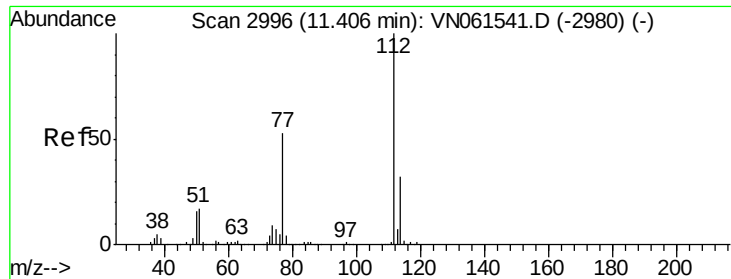
#64
Tetrachloroethene
Concen: 2.244 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion:164 Resp: 10116
Ion Ratio Lower Upper
164 100
166 120.8 101.5 152.3
129 96.4 74.9 112.3
131 89.8 72.2 108.2



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: 2.344 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

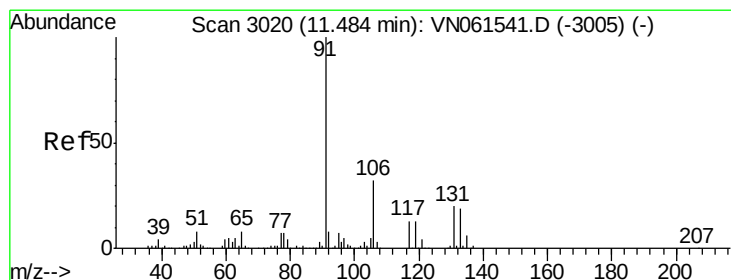
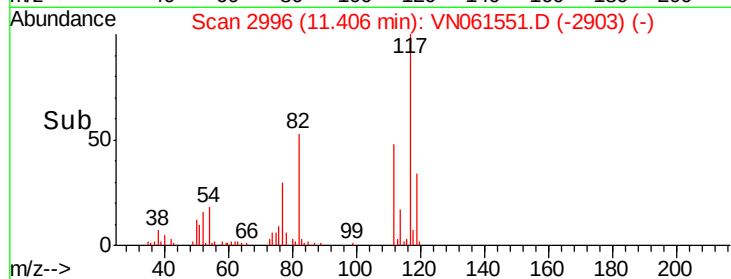
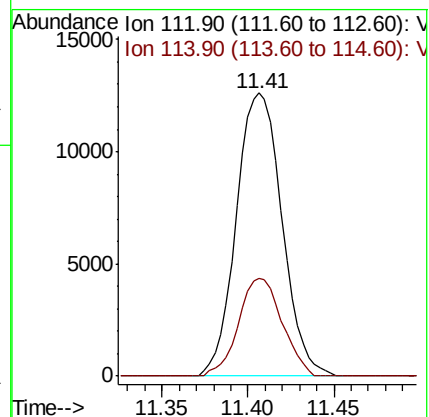
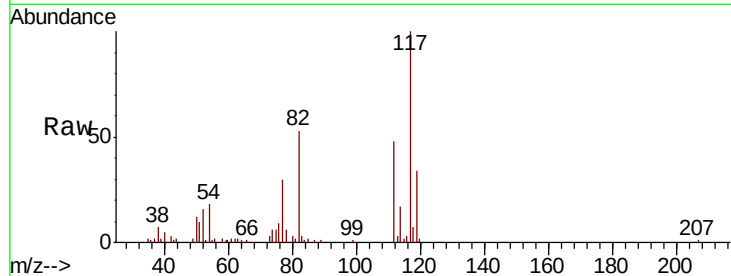
LOD-MDL-WATER-01-QT2-2020

Tot Ion:112 Resp: 23340

Ion Ratio Lower Upper

112 100

114 34.5 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 2.182 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

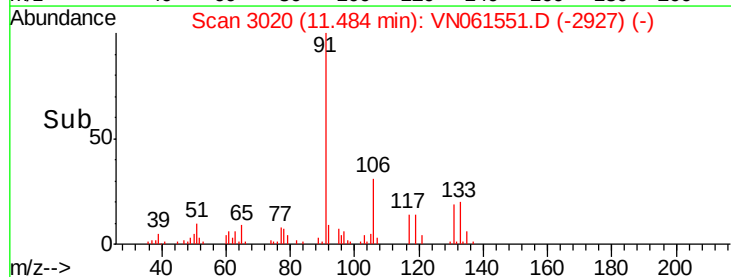
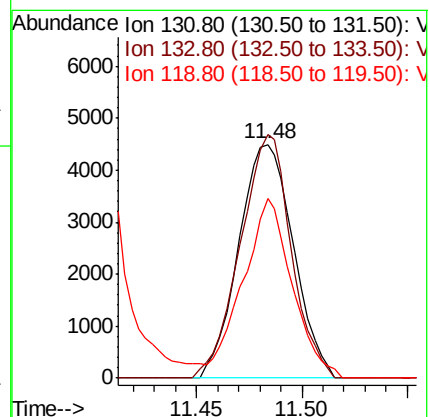
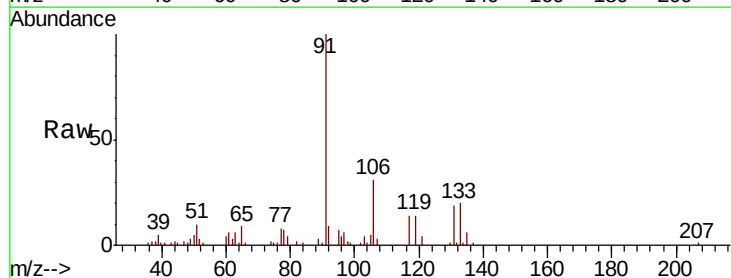
Tgt Ion:131 Resp: 8088

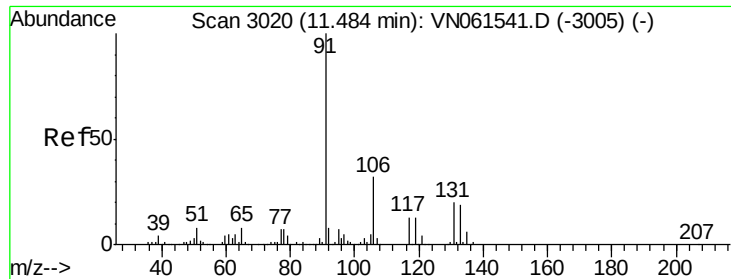
Ion Ratio Lower Upper

131 100

133 97.2 47.4 142.2

119 69.3 32.6 97.8

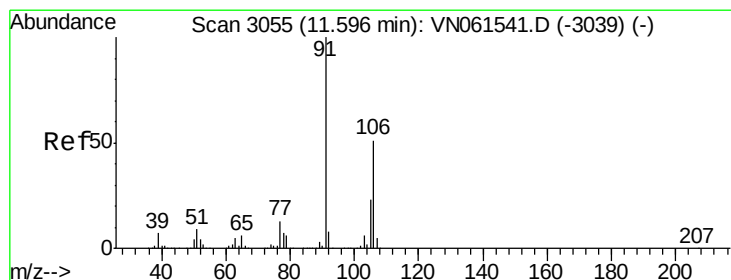
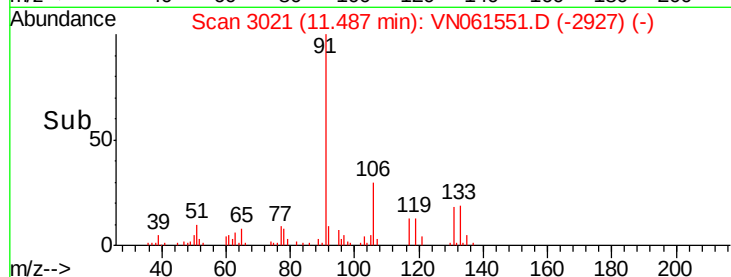
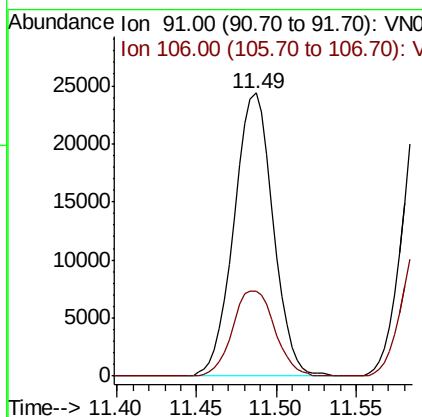
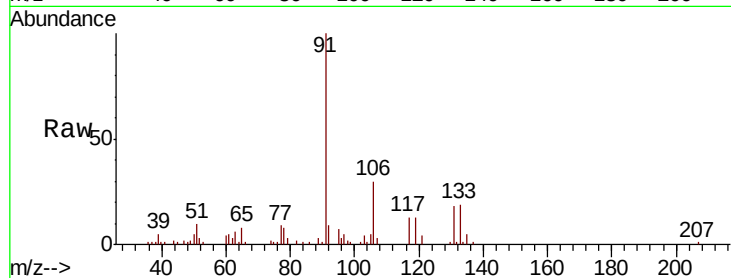




#67
Ethyl Benzene
Concen: 2.360 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

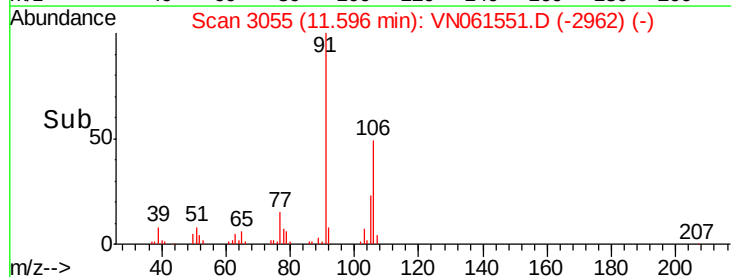
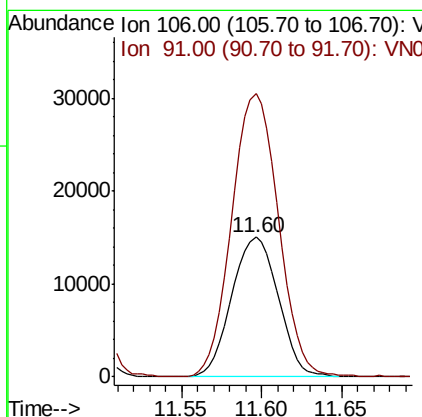
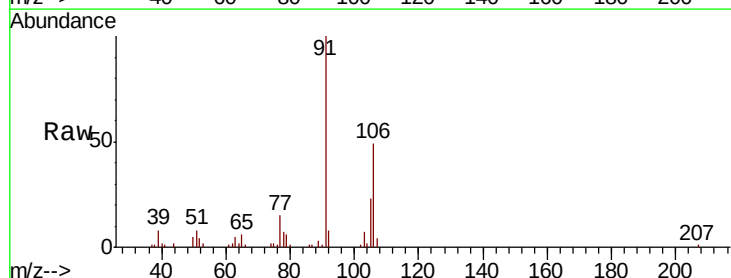
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

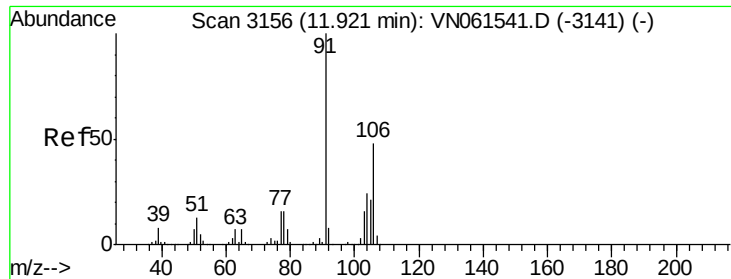
Tot Ion: 91 Resp: 40609
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4



#68
m/p-Xylenes
Concen: 4.382 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 106 Resp: 29904
Ion Ratio Lower Upper
106 100
91 203.5 156.2 234.4

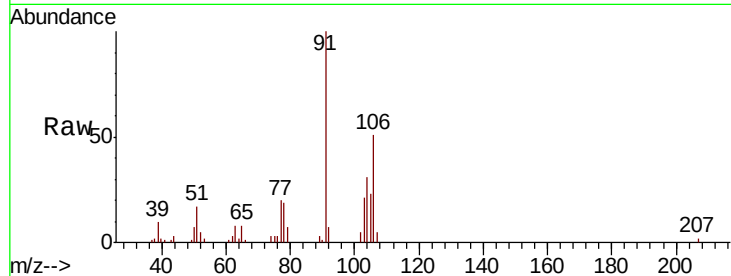




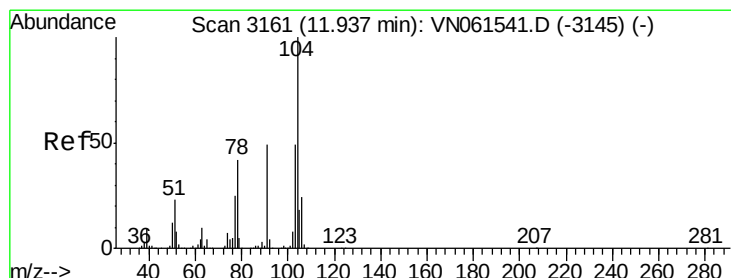
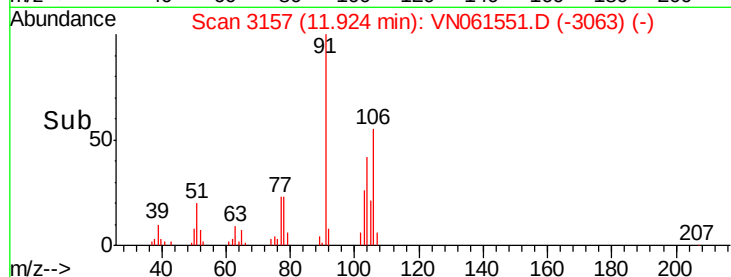
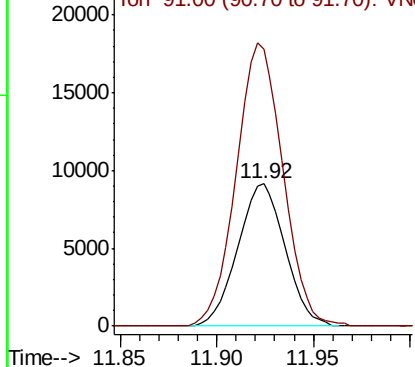
#69
o-Xylene
Concen: 2.395 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:106 Resp: 15520
Ion Ratio Lower Upper
106 100
91 197.0 103.3 309.8

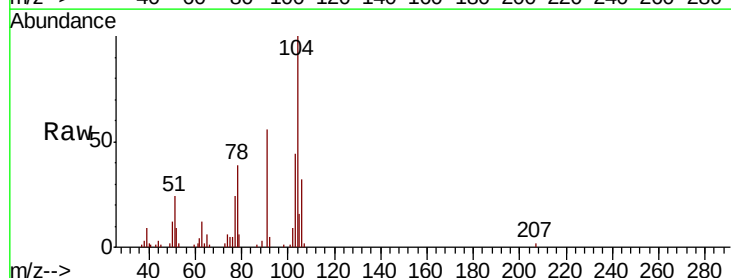


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

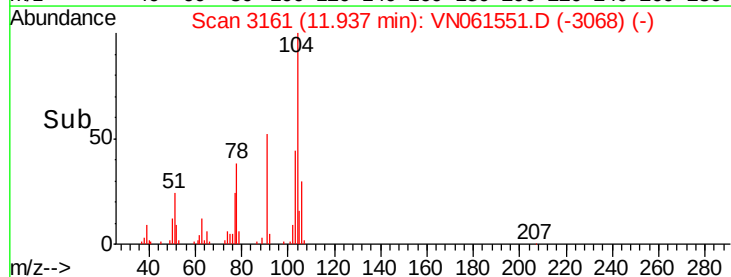
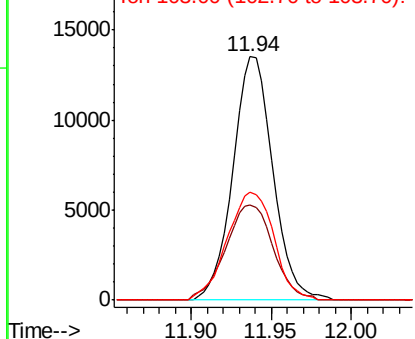


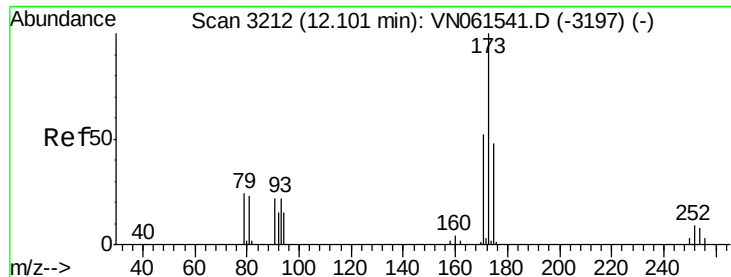
#70
Styrene
Concen: 2.146 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion:104 Resp: 23030
Ion Ratio Lower Upper
104 100
78 46.5 37.4 56.0
103 52.0 42.3 63.5



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





#71

Bromoform

Concen: 1.781 ug/l

RT: 12.11 min Scan# 3214

Delta R.T. 0.01 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

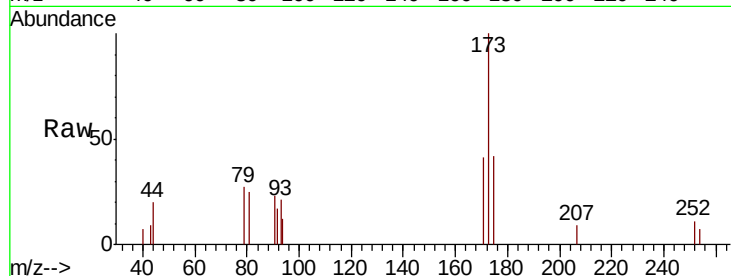
Tot Ion:173 Resp: 5088

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.2

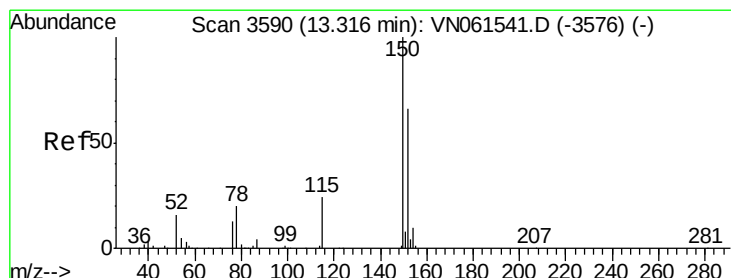
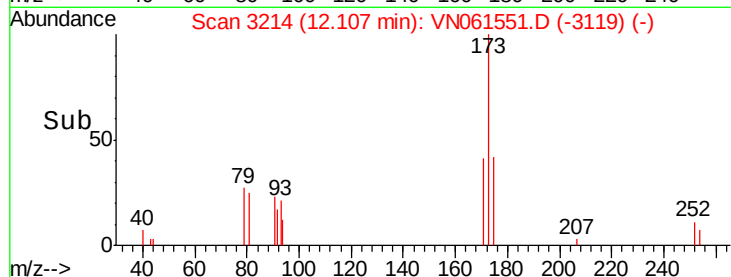
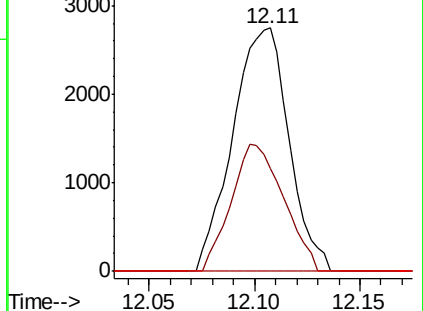
254 0.0 0.0 0.0



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: VN061551.D

Acq: 29 May 2020 00:00

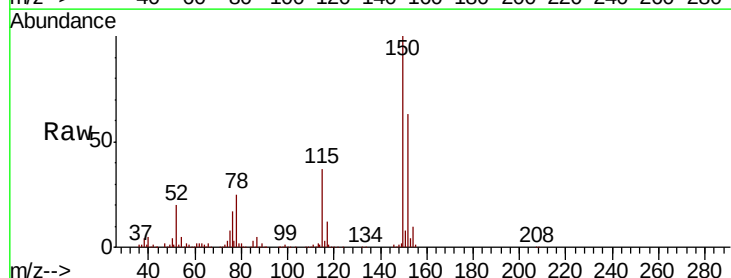
Tgt Ion:152 Resp: 204924

Ion Ratio Lower Upper

152 100

115 59.3 28.0 84.0

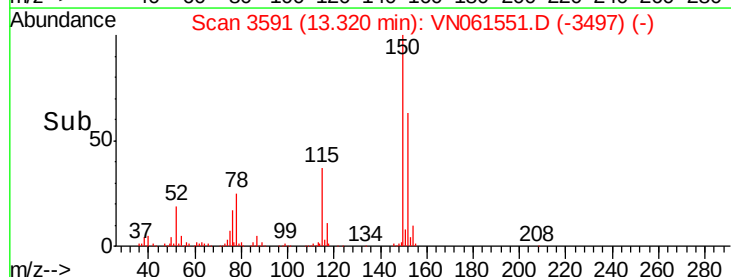
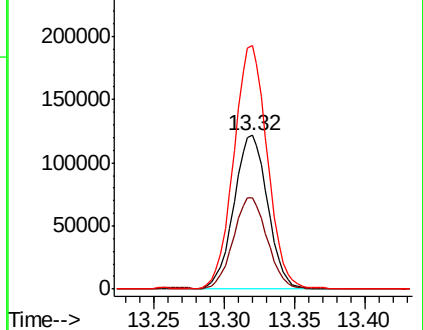
150 156.5 0.0 344.0

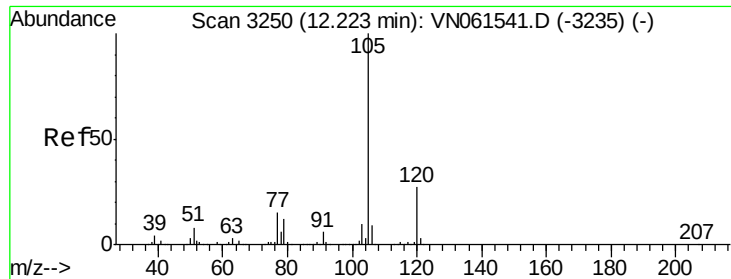


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

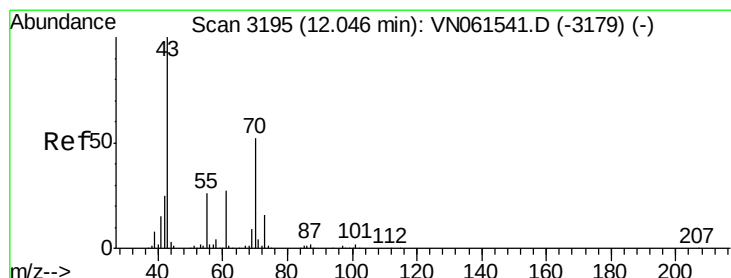
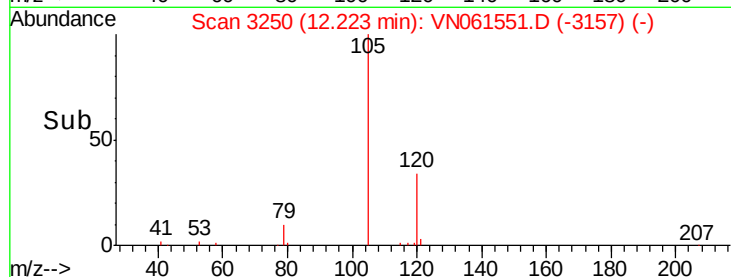
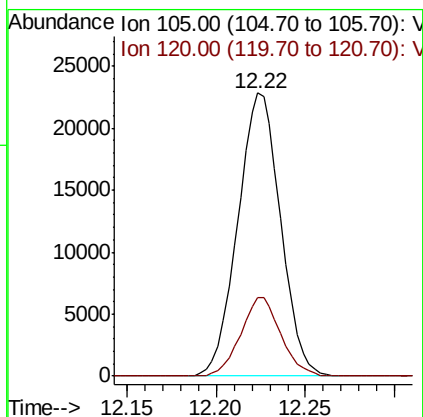
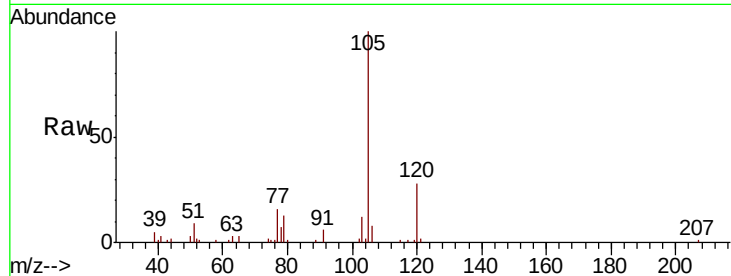




#73
Isopropylbenzene
Concen: 2.552 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

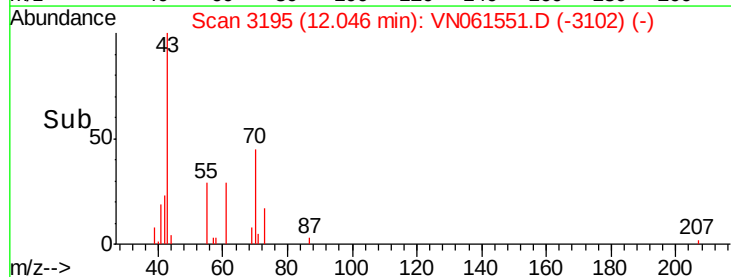
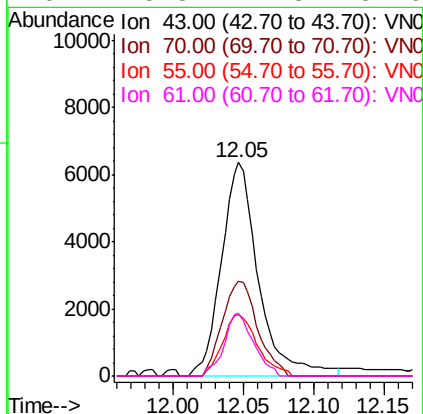
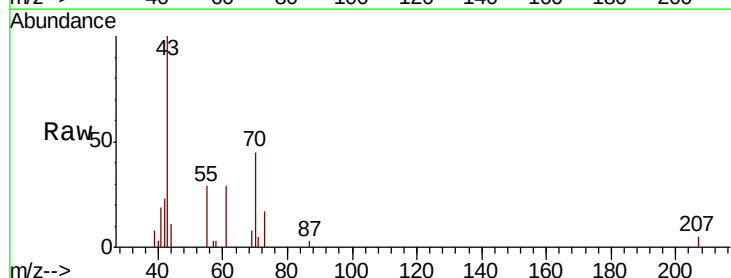
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

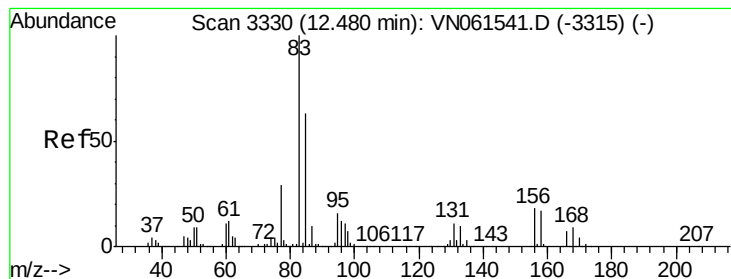
Tot Ion:105 Resp: 38175
Ion Ratio Lower Upper
105 100
120 26.1 13.8 41.3



#74
N-ethyl acetate
Concen: 2.475 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061551.D
Acq: 29 May 2020 00:00

Tgt Ion: 43 Resp: 11658
Ion Ratio Lower Upper
43 100
70 42.1 40.5 60.7
55 27.0 20.6 31.0
61 23.3 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.693 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

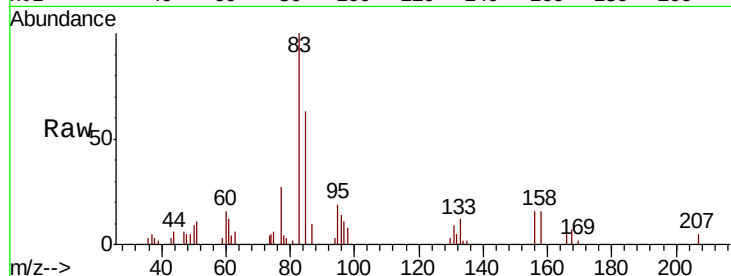
Tot Ion: 83 Resp: 11289

Ion Ratio Lower Upper

83 100

131 9.0 5.5 16.5

85 63.7 32.1 96.3



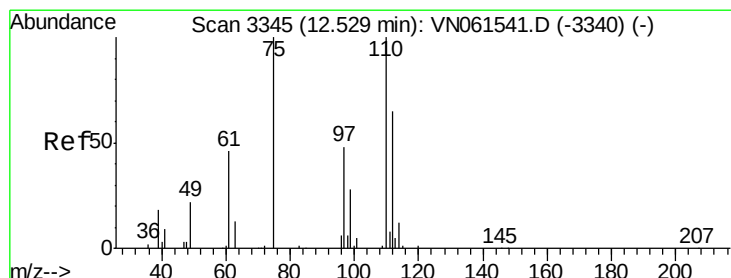
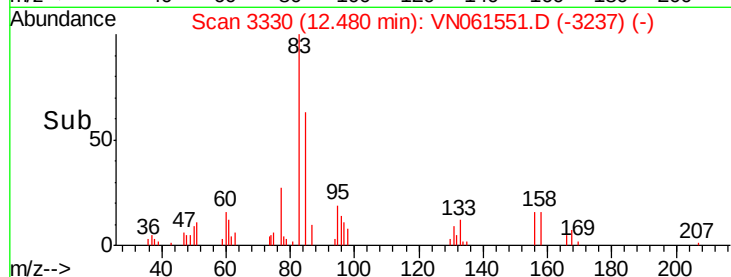
Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 3.868 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061551.D

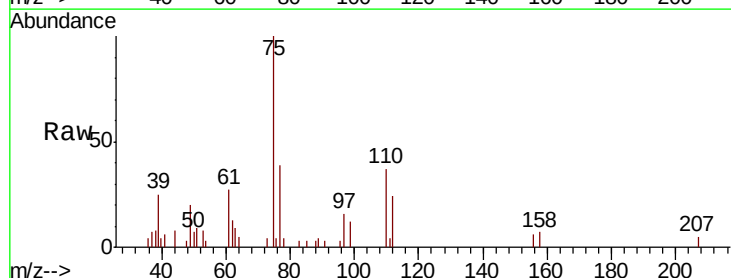
Acq: 29 May 2020 00:00

Tgt Ion: 75 Resp: 14415

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

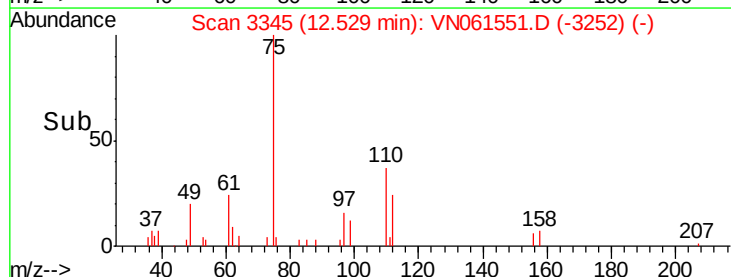


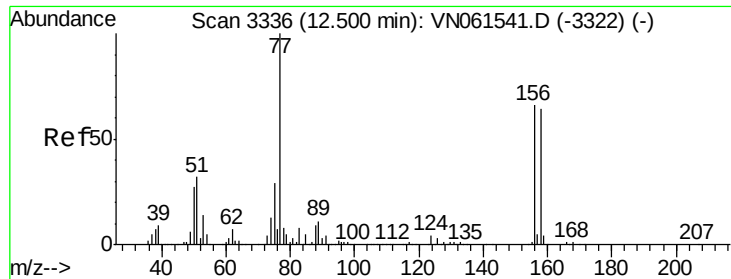
Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

12.53

Time-->





#77

Bromobenzene

Concen: 2.474 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

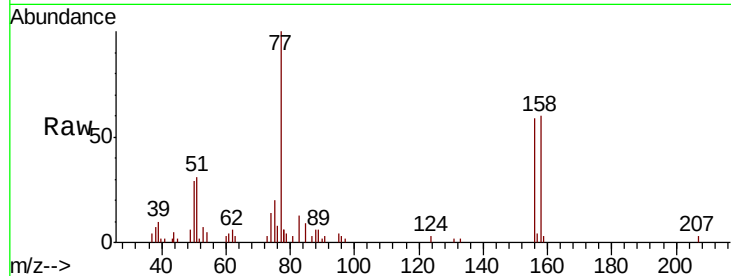
Tot Ion:156 Resp: 9447

Ion Ratio Lower Upper

156 100

77 200.0 90.9 272.7

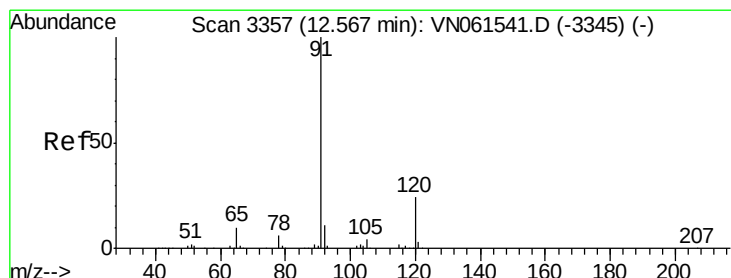
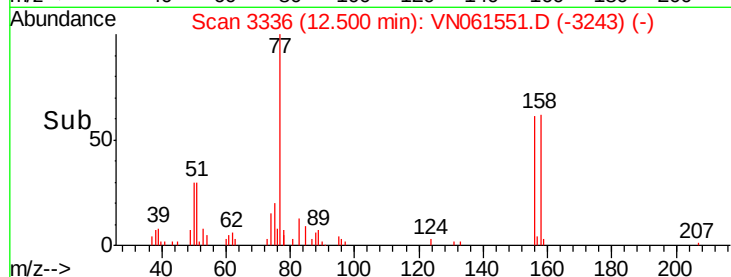
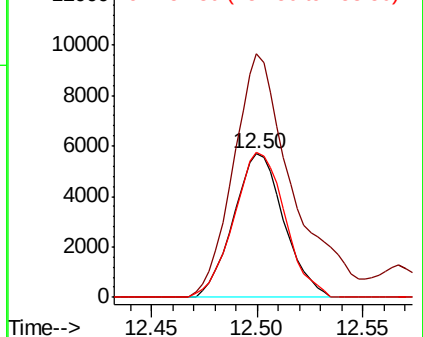
158 102.8 48.4 145.3



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: 2.574 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061551.D

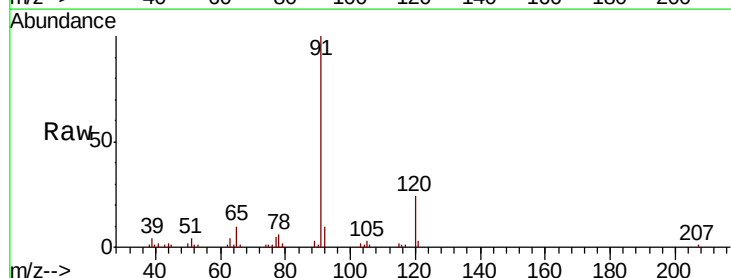
Acq: 29 May 2020 00:00

Tgt Ion: 91 Resp: 42985

Ion Ratio Lower Upper

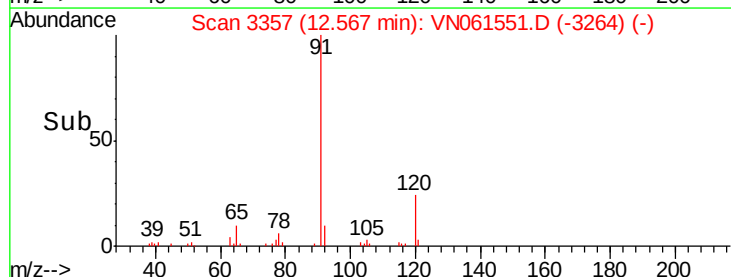
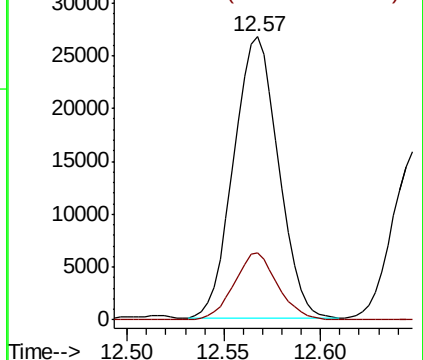
91 100

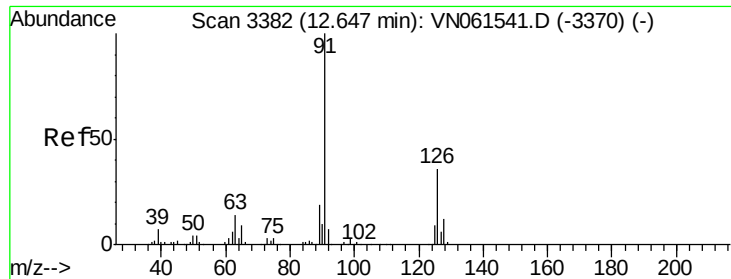
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

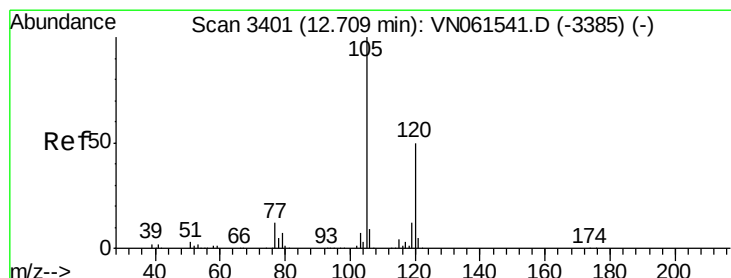
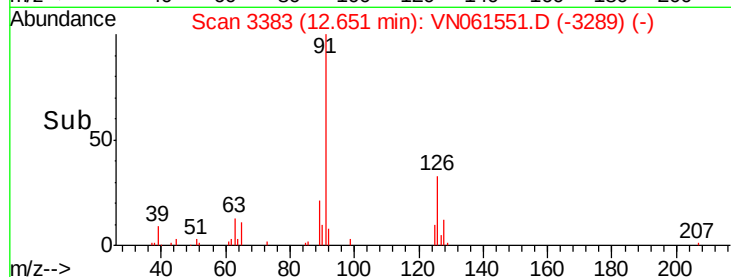
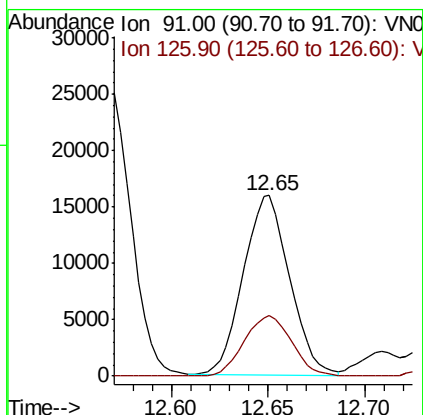
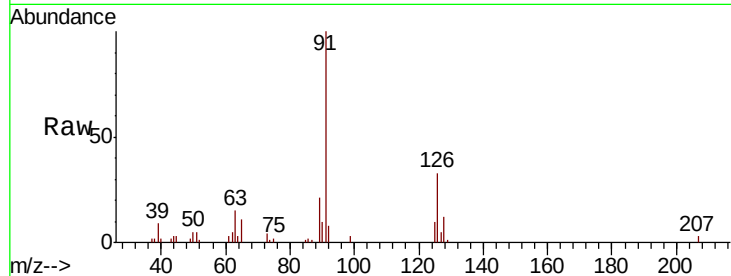




#79
 2-Chlorotoluene
 Concen: 2.674 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

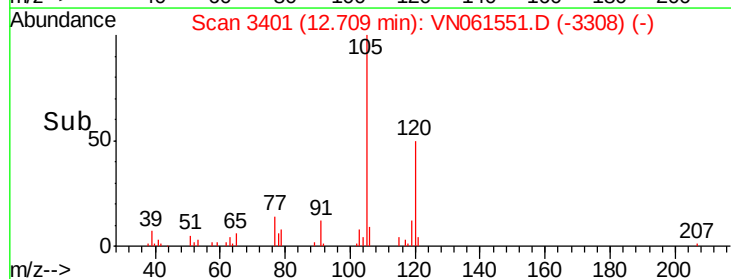
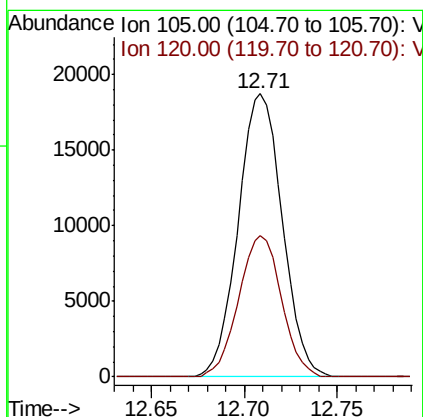
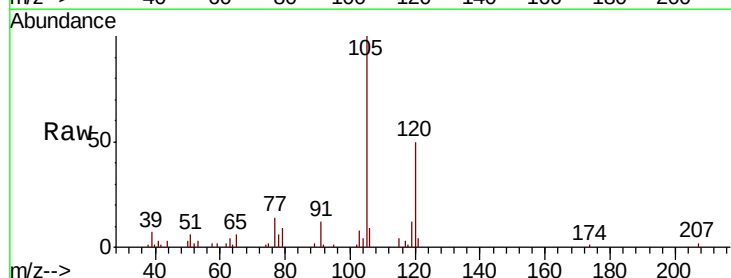
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

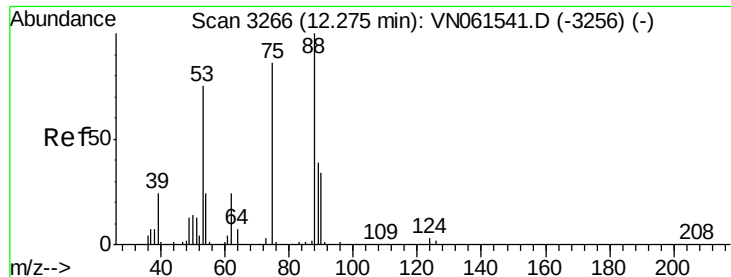
Tot Ion: 91 Resp: 26624
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 2.470 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion: 105 Resp: 30878
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2.192 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

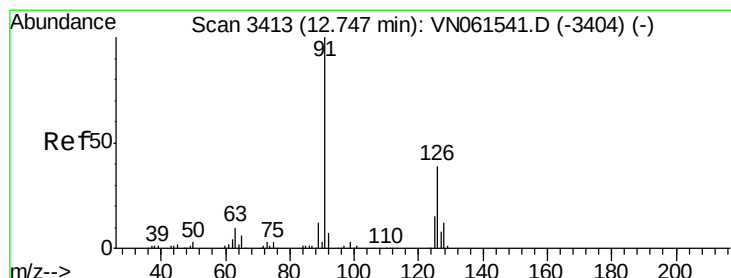
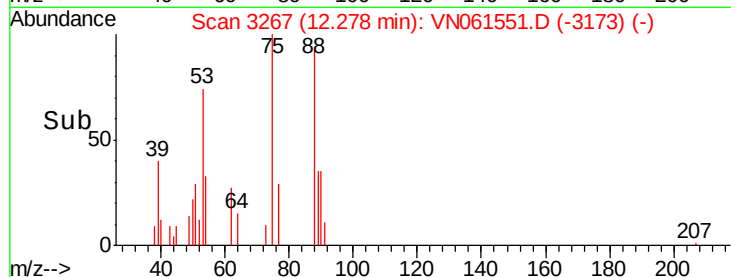
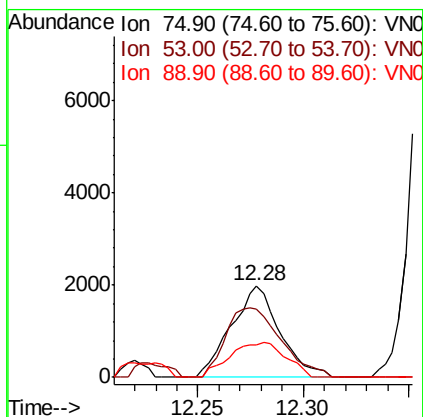
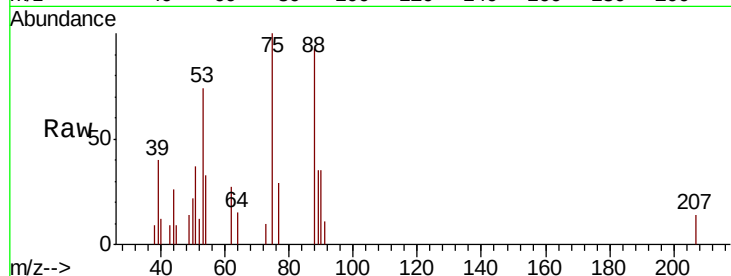
Tot Ion: 75 Resp: 3194

Ion Ratio Lower Upper

75 100

53 86.4 67.8 101.8

89 43.7 37.1 55.7



#82

4-Chlorotoluene

Concen: 2.490 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061551.D

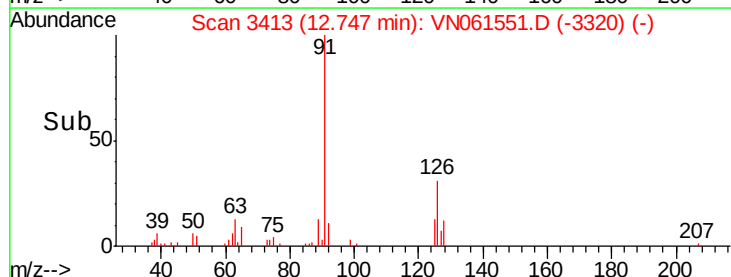
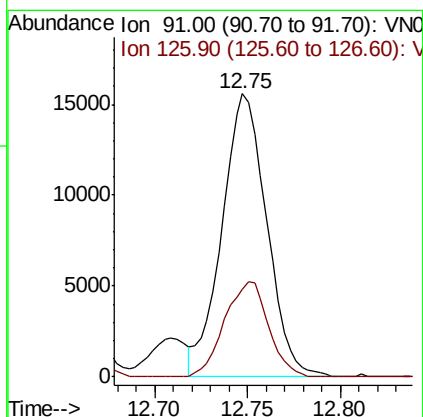
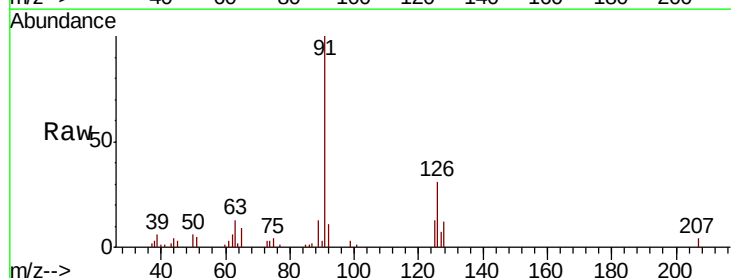
Acq: 29 May 2020 00:00

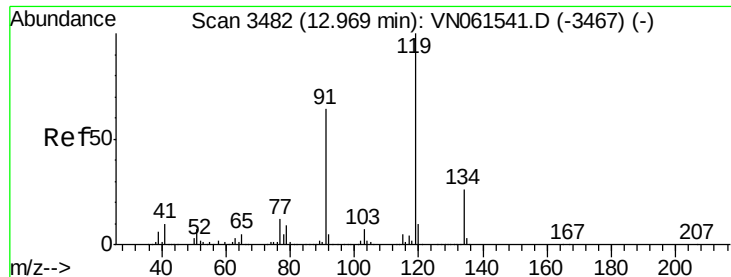
Tgt Ion: 91 Resp: 26081

Ion Ratio Lower Upper

91 100

126 32.9 17.5 52.6

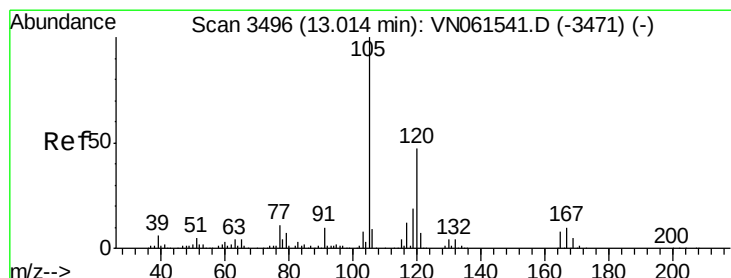
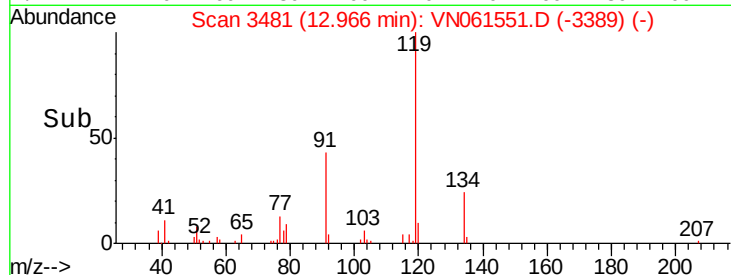
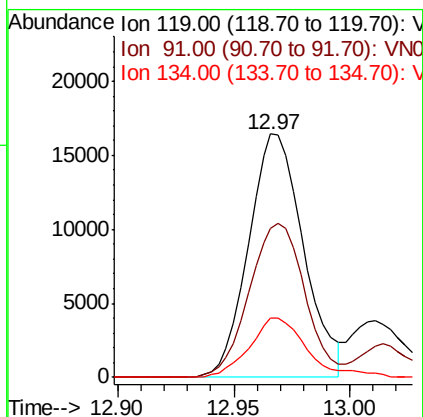
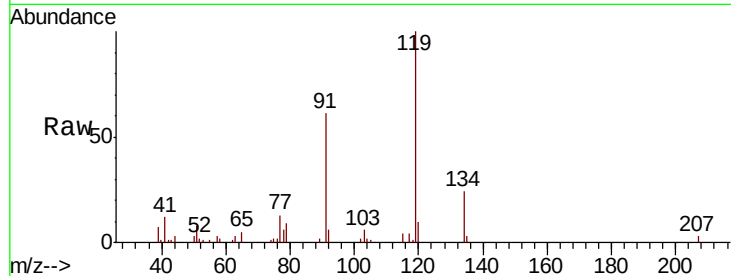




#83
 tert-Butylbenzene
 Concen: 2.452 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

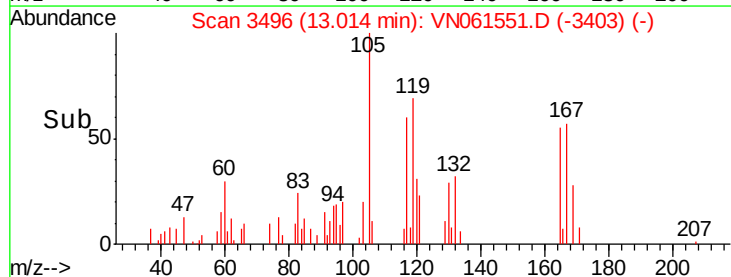
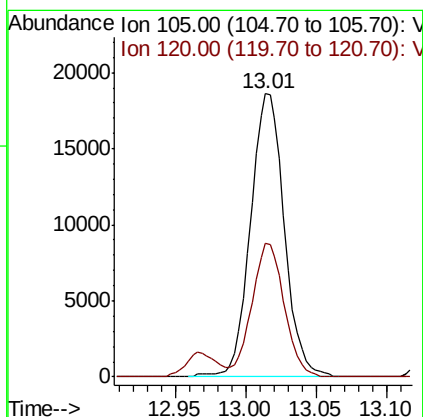
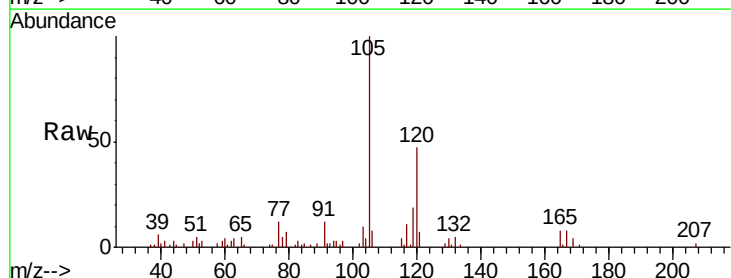
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

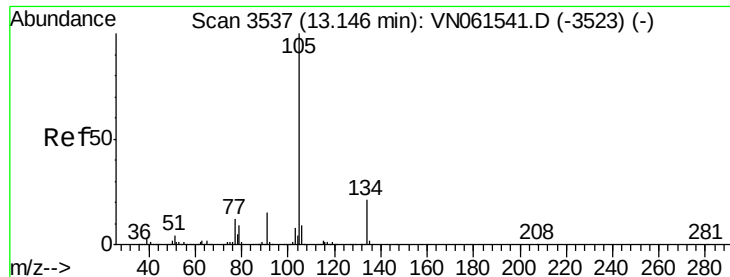
Tot Ion:119 Resp: 27084
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.3 93.8
 134 25.5 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 2.511 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion:105 Resp: 31179
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 2.492 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

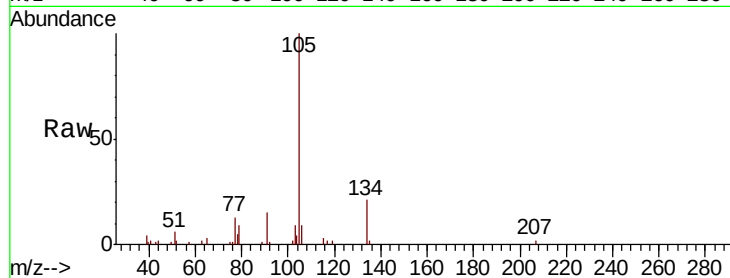
LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 35470

Ion Ratio Lower Upper

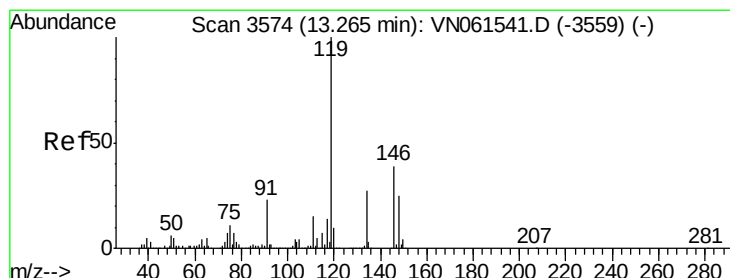
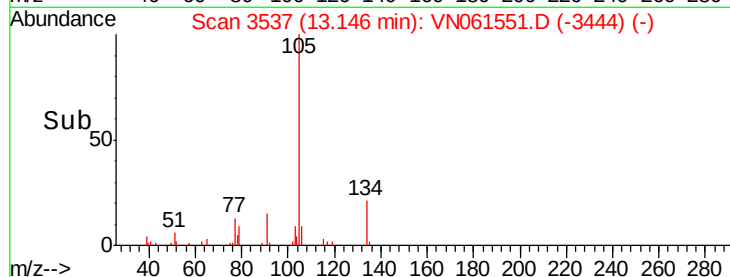
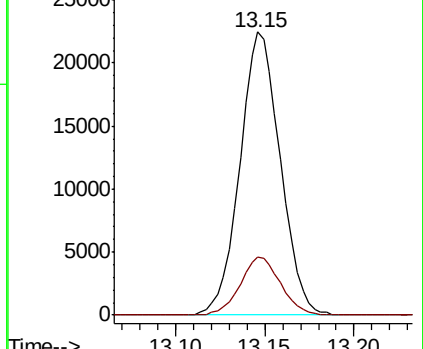
105 100

134 20.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.322 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

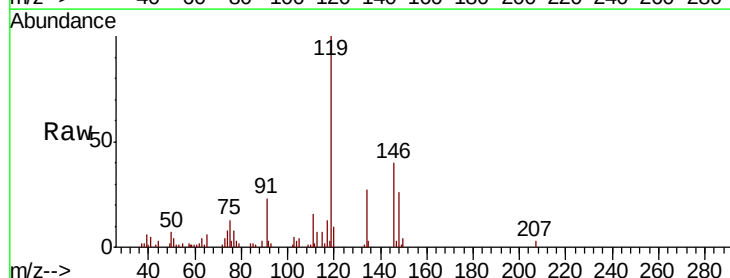
Tgt Ion:119 Resp: 30436

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

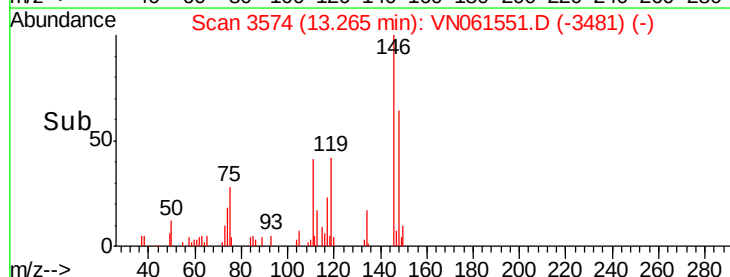
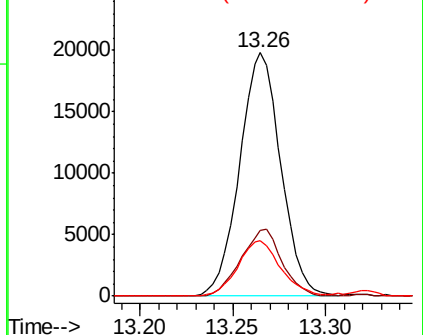
91 23.7 11.4 34.1

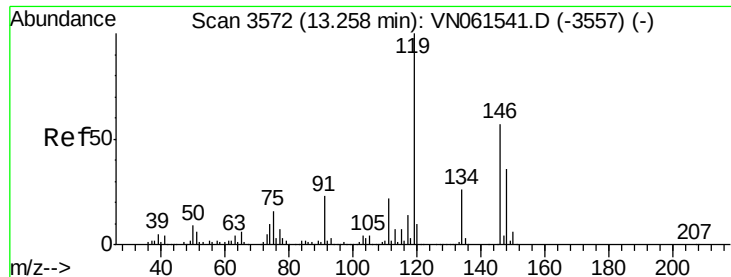


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.316 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

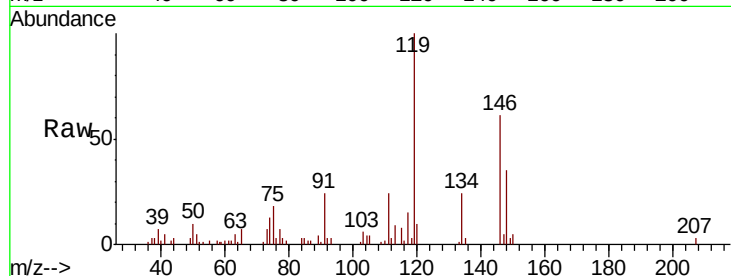
Tot Ion:146 Resp: 15656

Ion Ratio Lower Upper

146 100

111 42.5 19.2 57.6

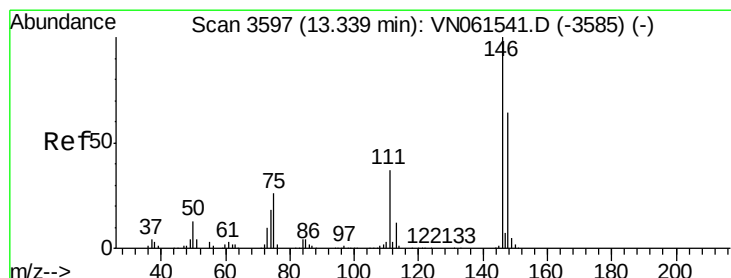
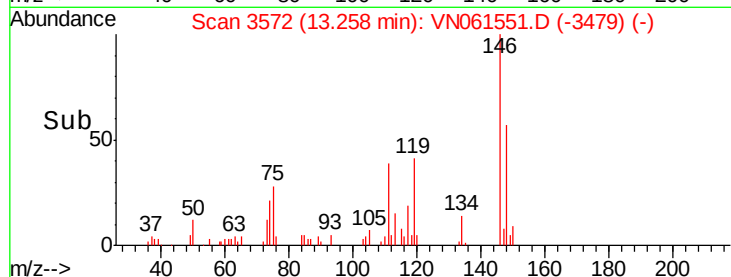
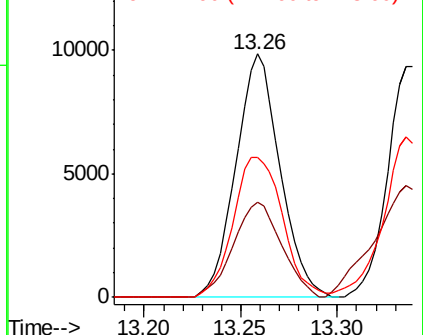
148 64.5 31.7 95.1



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: 2.273 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

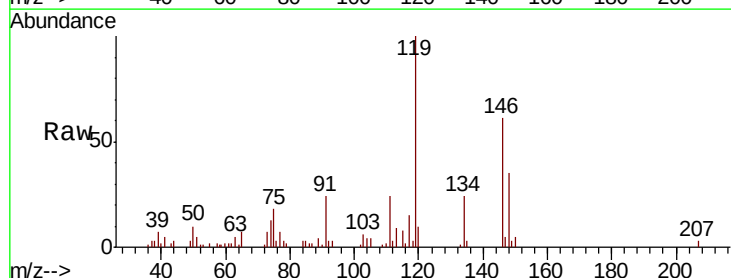
Tgt Ion:146 Resp: 15656

Ion Ratio Lower Upper

146 100

111 42.5 18.9 56.9

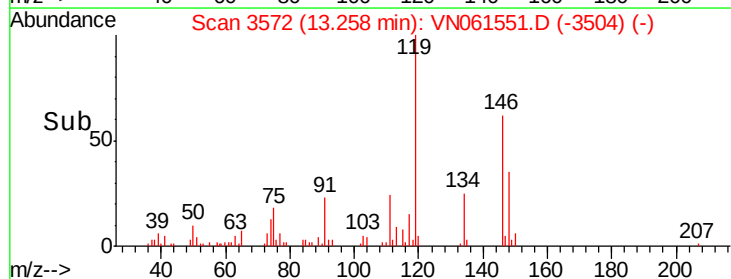
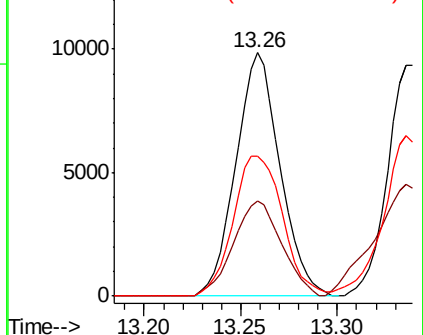
148 64.5 31.8 95.3

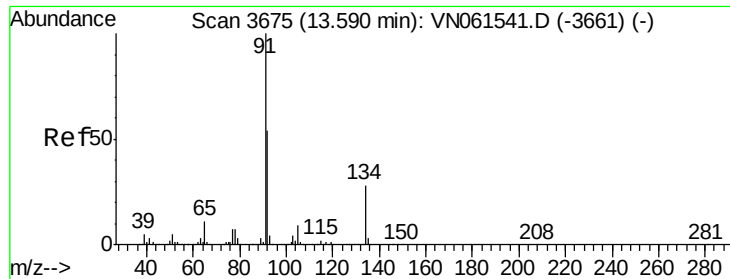


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.360 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

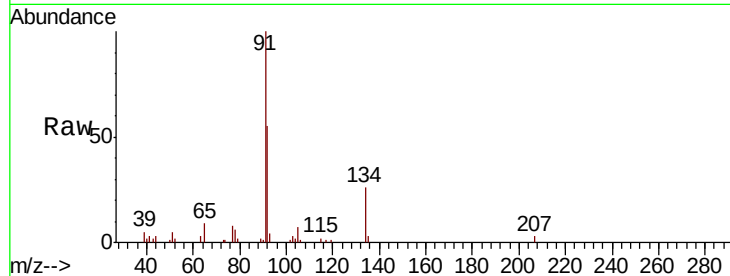
Tot Ion: 91 Resp: 25908

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

134 26.6 14.0 42.0

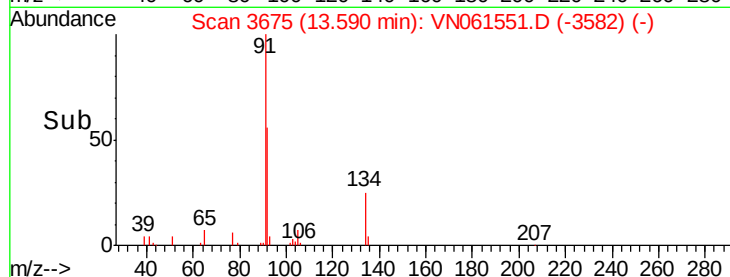


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time--> 13.50 13.55 13.60 13.65

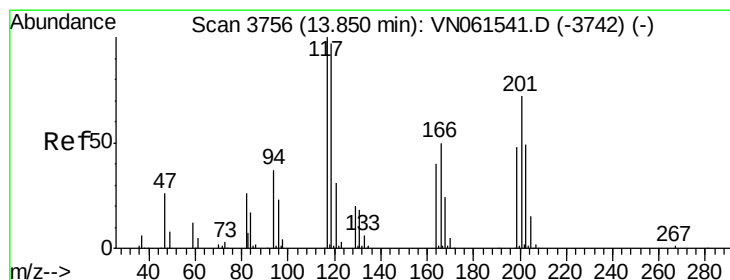


Abundance Ion 91.00 (90.70 to 91.70): VN061551.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061551.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061551.D (-3582) (-)

Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 2.350 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061551.D

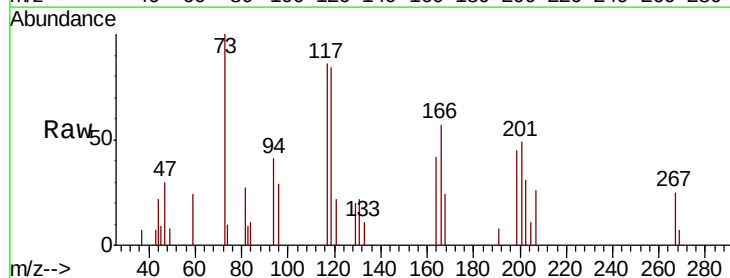
Acq: 29 May 2020 00:00

Tgt Ion: 117 Resp: 3407

Ion Ratio Lower Upper

117 100

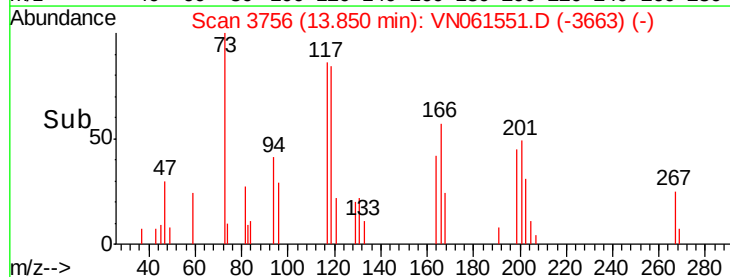
201 59.3 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

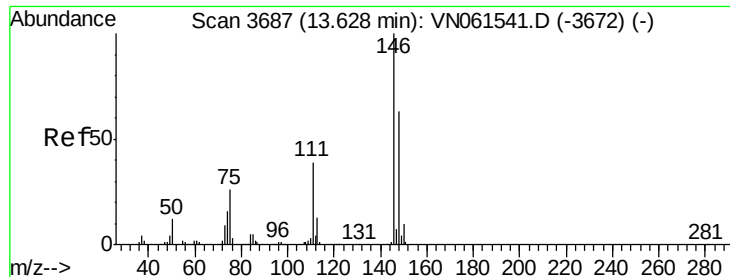
Time--> 13.80 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN061551.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061551.D (-3663) (-)

Time--> 13.80 13.85 13.90



#91

1,2-Dichlorobenzene

Concen: 2.404 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

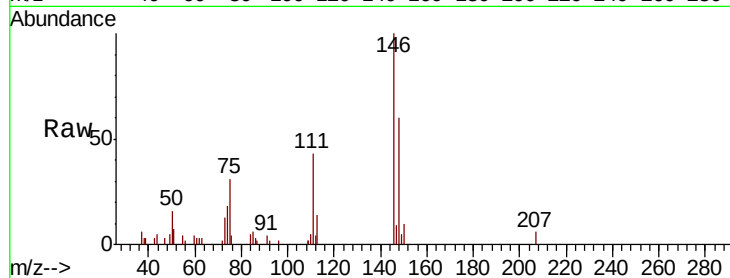
Tot Ion:146 Resp: 15530

Ion Ratio Lower Upper

146 100

111 41.8 20.1 60.2

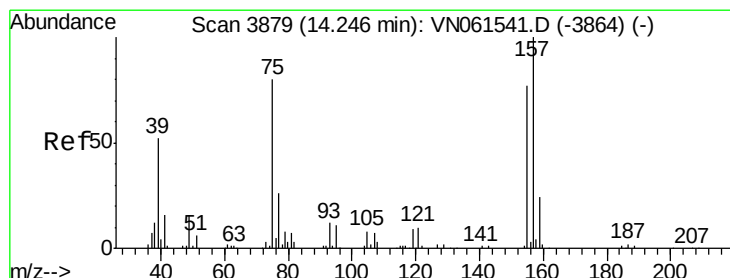
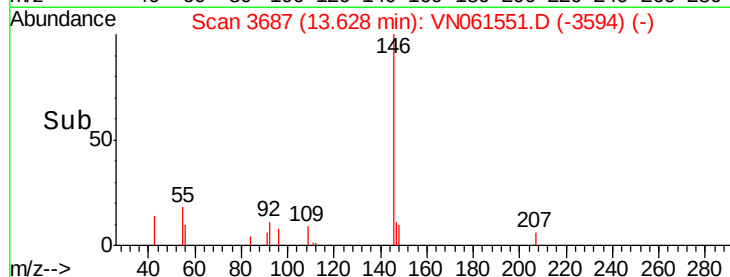
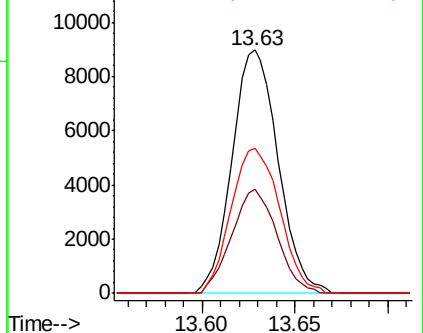
148 62.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.530 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

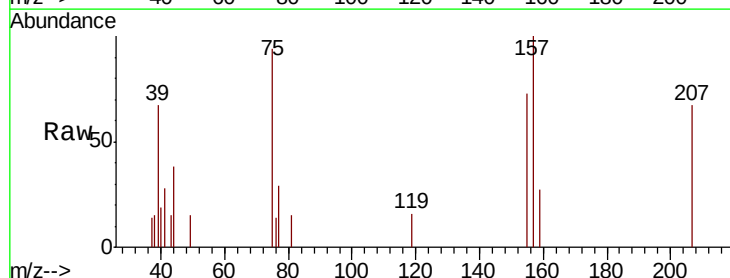
Tgt Ion: 75 Resp: 2163

Ion Ratio Lower Upper

75 100

155 78.2 47.1 141.4

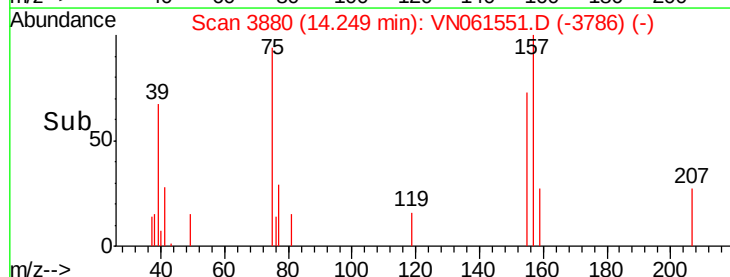
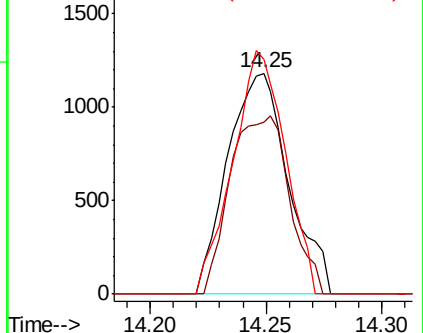
157 94.6 60.3 180.8

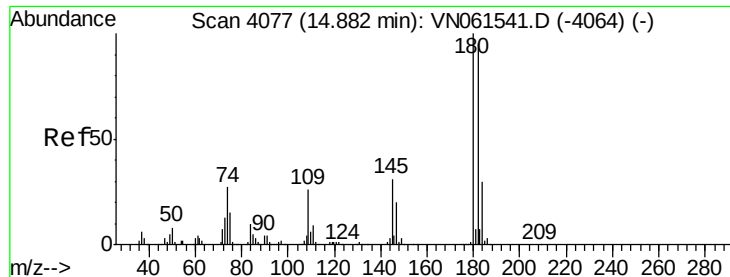


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

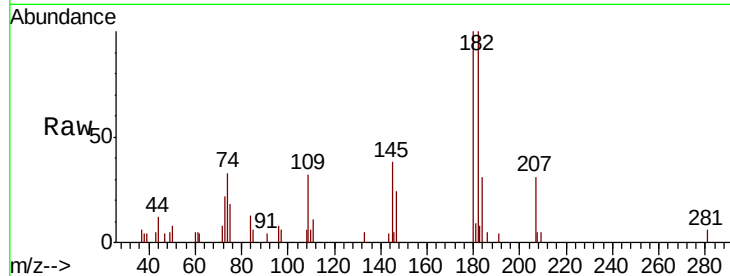




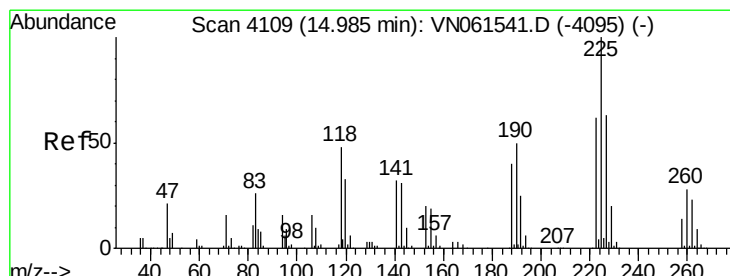
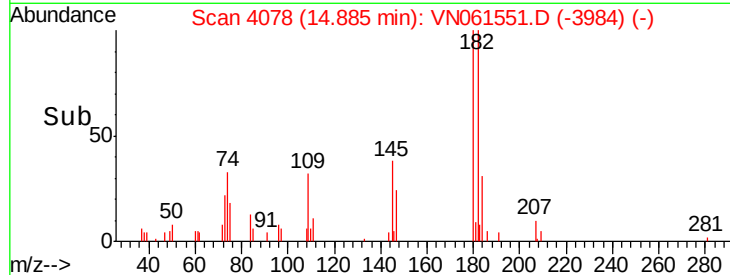
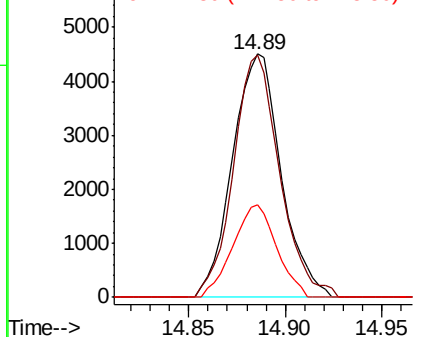
#93
 1,2,4-Trichlorobenzene
 Concen: 2.078 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	34.3	15.5	46.5

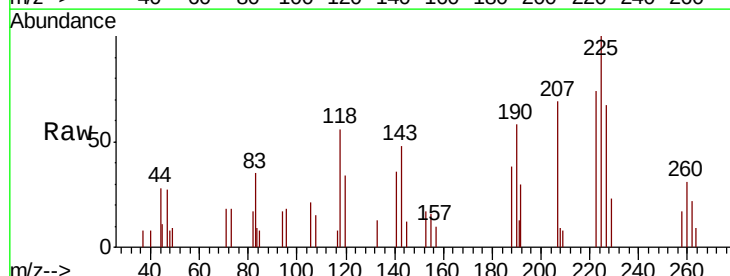


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

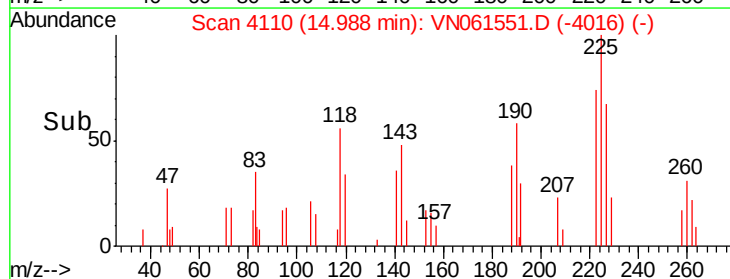
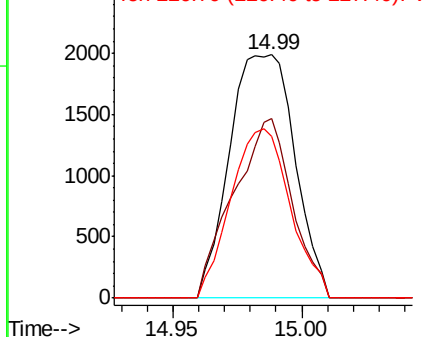


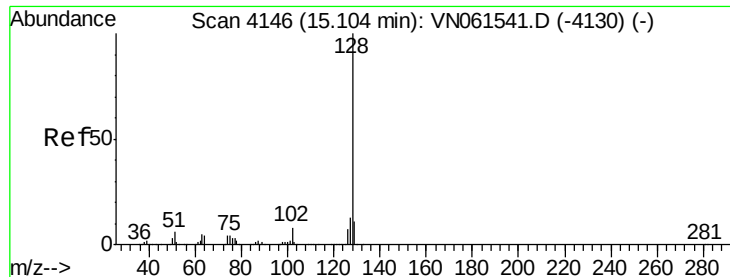
#94
 Hexachlorobutadiene
 Concen: 2.181 ug/l
 RT: 14.99 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VN061551.D
 Acq: 29 May 2020 00:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.9	95.5
227	63.4	31.9	95.9



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





#95

Naphthalene

Concen: 2.017 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

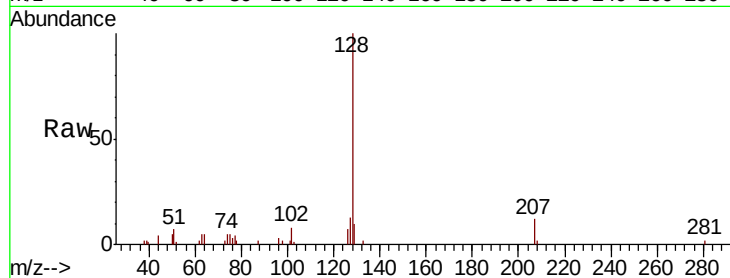
Tot Ion:128 Resp: 23201

Ion Ratio Lower Upper

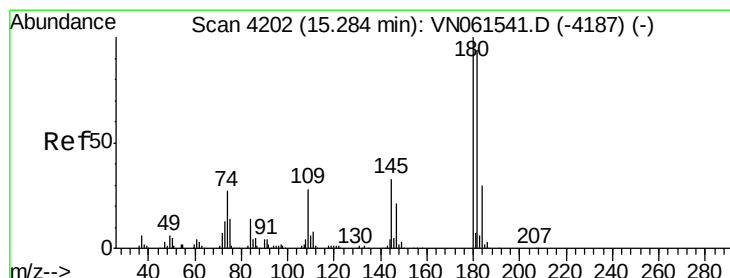
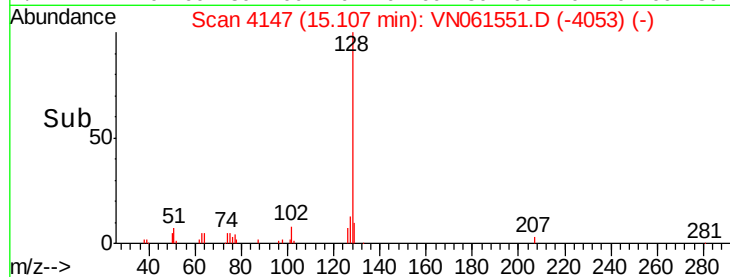
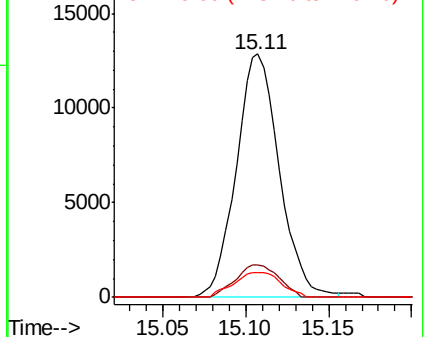
128 100

127 13.3 10.0 15.0

129 11.3 8.5 12.7



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: 2.268 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061551.D

Acq: 29 May 2020 00:00

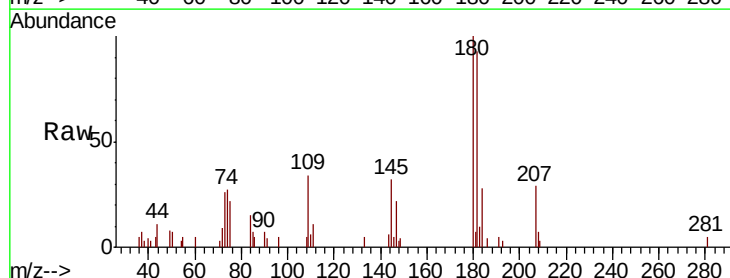
Tgt Ion:180 Resp: 8426

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.3

145 34.9 16.3 48.9



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

