

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061028.D
 Acq On : 16 Apr 2020 21:36
 Operator : JC/MD
 Sample : L2300-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SEDIM

Quant Time: Apr 17 04:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	156196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	266148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106768	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.56	113	80034	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.08	98	335351	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	
62) 4-Bromofluorobenzene	12.39	95	125739	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	

Target Compounds

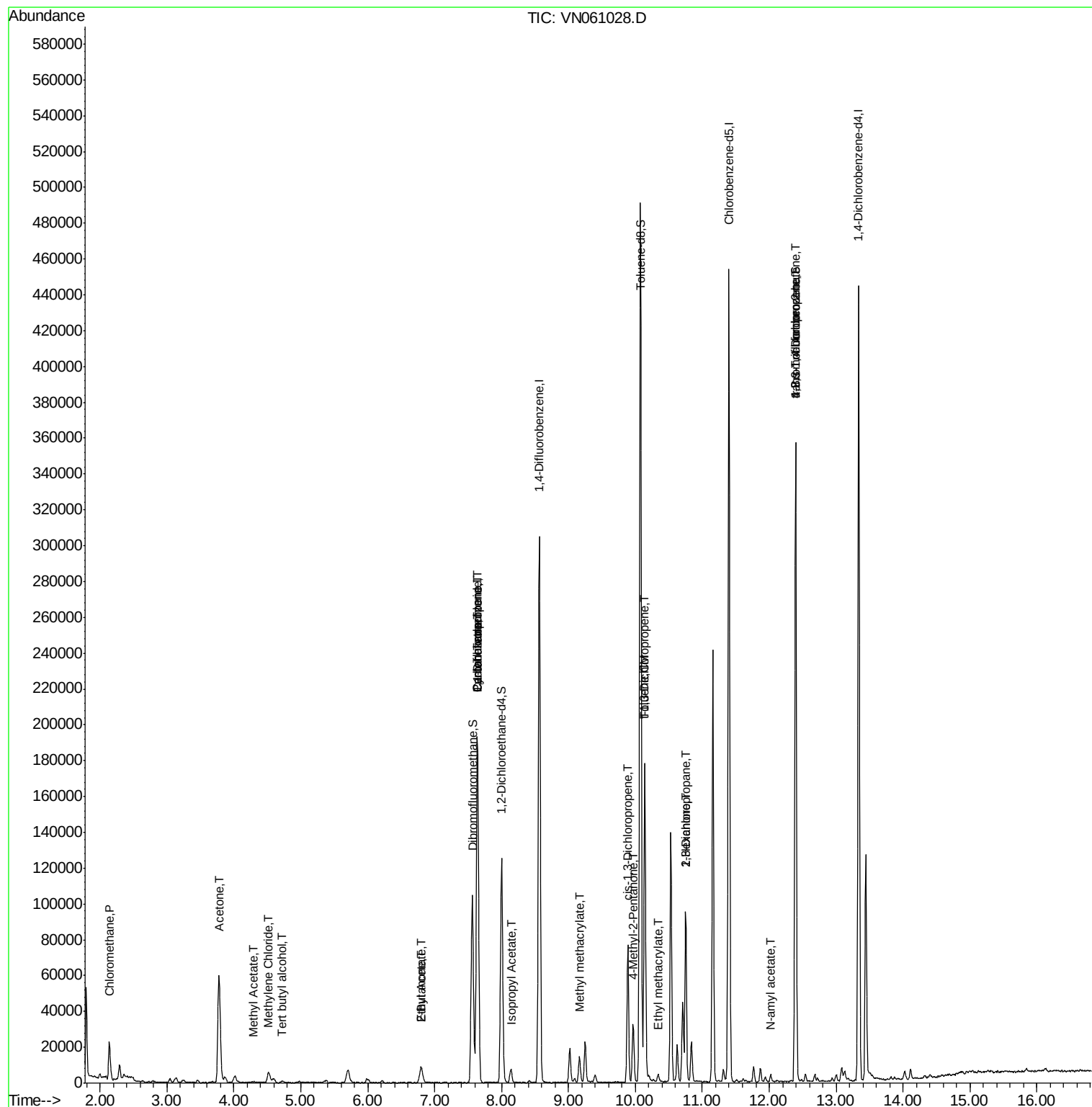
					Qvalue	
3) Chloromethane	2.14	50	917	0.331	ug/l	95
11) Tert butyl alcohol	4.72	59	2364	6.667	ug/l #	73
16) Acetone	3.78	43	104673	118.999	ug/l	99
18) Methyl Acetate	4.29	43	680	0.247	ug/l #	73
20) Methylene Chloride	4.52	84	4746	2.471	ug/l	94
25) 2-Butanone	6.80	43	17139	12.715	ug/l	100
31) Cyclohexane	7.64	56	3548	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12774	4.651	ug/l #	49
37) Ethyl Acetate	6.80	43	17139	5.747	ug/l #	69
38) Carbon Tetrachloride	7.64	117	15321	6.702	ug/l #	16
43) Isopropyl Acetate	8.14	43	8981	1.852	ug/l #	87
48) Methyl methacrylate	9.16	41	2639	1.231	ug/l #	25
51) 4-Methyl-2-Pentanone	9.97	43	24610	8.802	ug/l	96
52) Toluene	10.14	92	77381	15.831	ug/l	99
53) t-1,3-Dichloropropene	10.14	75	868	0.279	ug/l #	1
54) cis-1,3-Dichloropropene	9.89	75	13256	3.902	ug/l #	62
56) Ethyl methacrylate	10.34	69	911	0.313	ug/l #	49
57) 1,3-Dichloropropane	10.75	76	968	0.293	ug/l #	43
59) 2-Hexanone	10.75	43	15365	7.620	ug/l #	59
74) N-amyl acetate	12.02	43	3205	0.750	ug/l #	47
76) 1,2,3-Trichloropropane	12.39	75	65161	25.822	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	65161	63.693	ug/l #	12

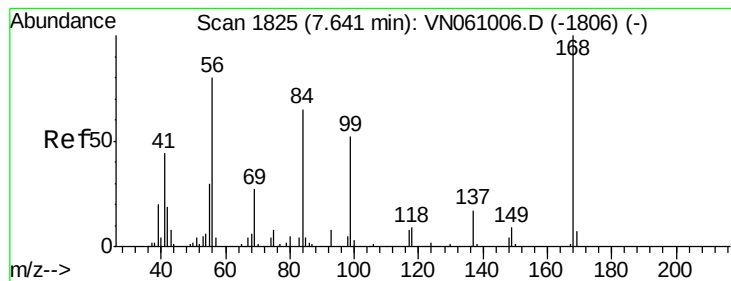
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\
Data File : VN061028.D
Acq On : 16 Apr 2020 21:36
Operator : JC/MD
Sample : L2300-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

Quant Time: Apr 17 04:02:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

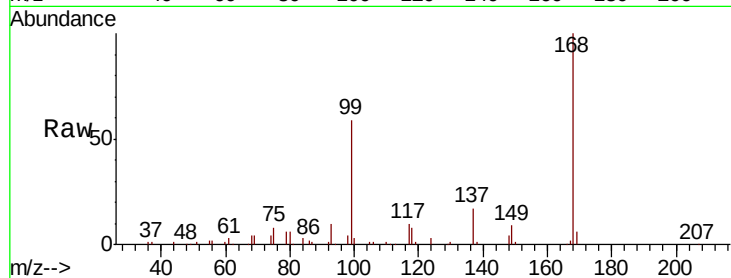
WATER-RECLAIM-SYSTEM-SEDIM

Tot Ion:168 Resp: 156196

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

60000

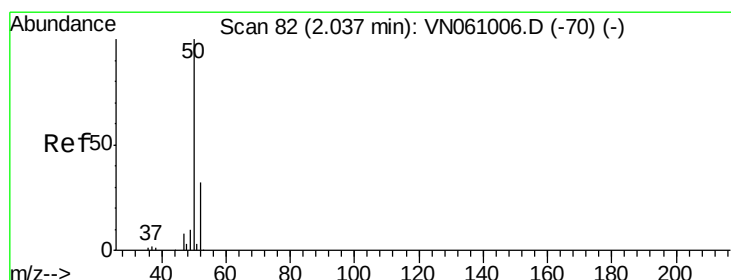
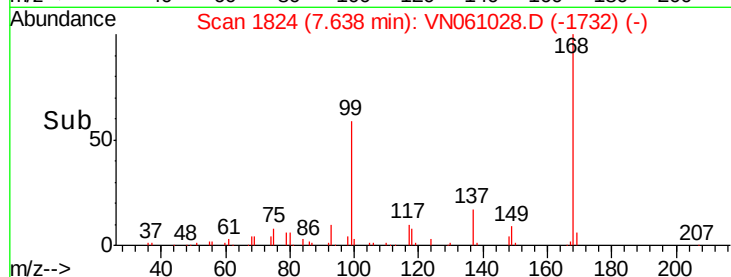
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.331 ug/l

RT: 2.14 min Scan# 114

Delta R.T. 0.10 min

Lab File: VN061028.D

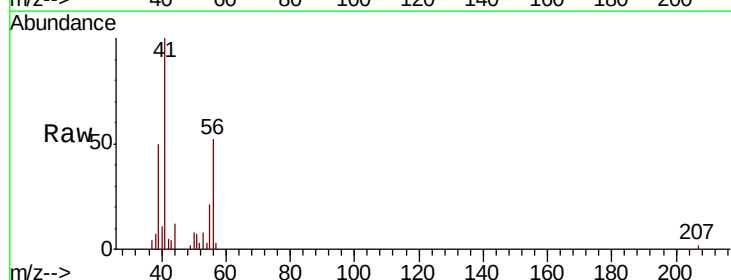
Acq: 16 Apr 2020 21:36

Tgt Ion: 50 Resp: 917

Ion Ratio Lower Upper

50 100

52 34.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN061006.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN061006.D (-70) (-)

2.14

600

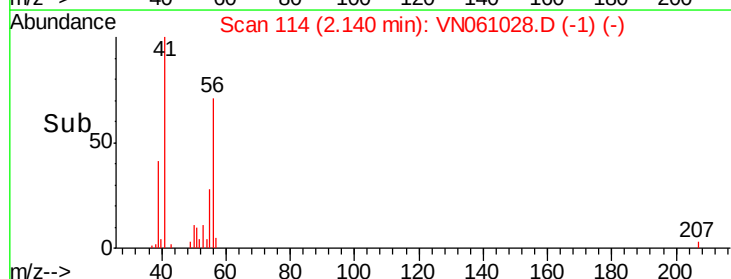
400

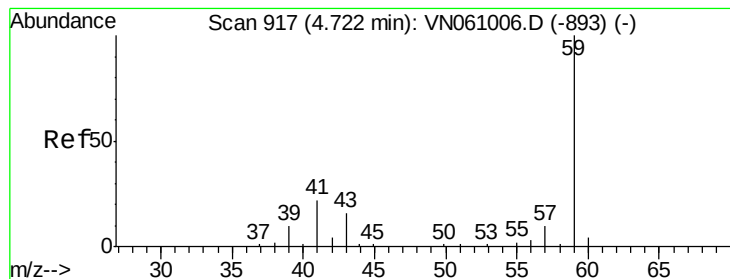
200

0

2.10 2.12 2.14 2.16 2.18

Time-->



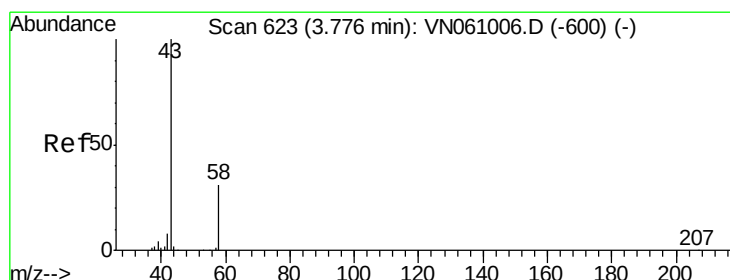
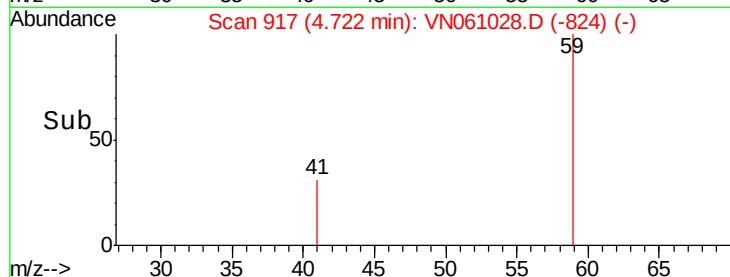
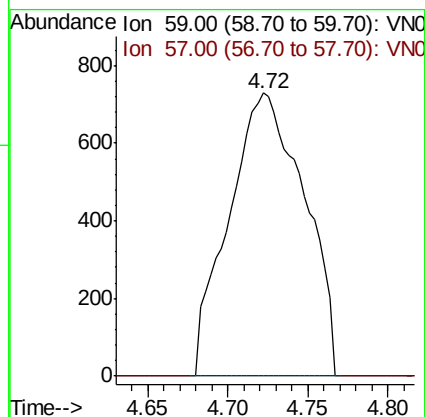
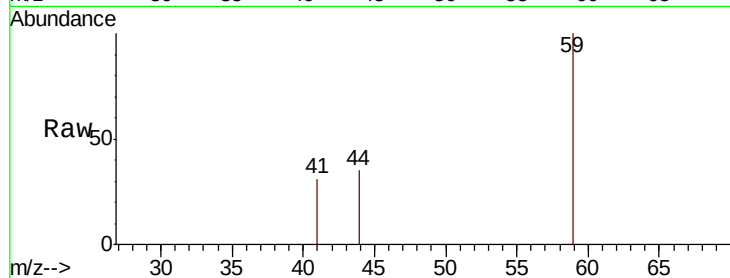


#11

Tert butyl alcohol
 Concen: 6.667 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SEDIM

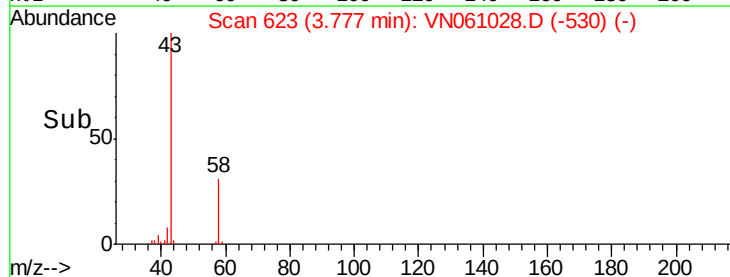
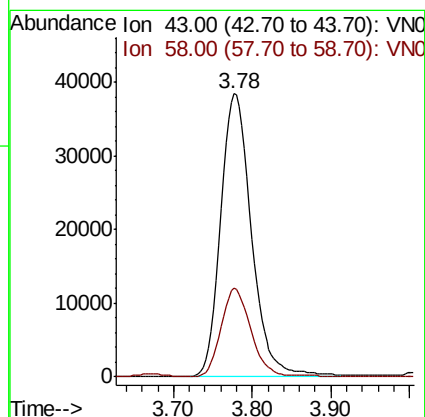
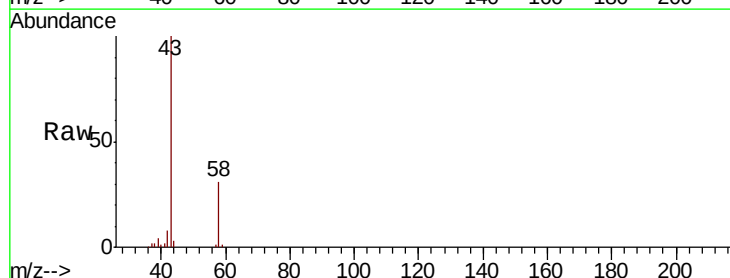
Tot Ion: 59 Resp: 2364
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

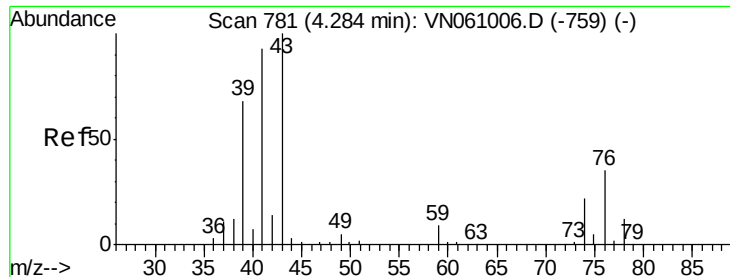


#16

Acetone
 Concen: 118.999 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

Tgt Ion: 43 Resp: 104673
 Ion Ratio Lower Upper
 43 100
 58 31.3 24.6 37.0

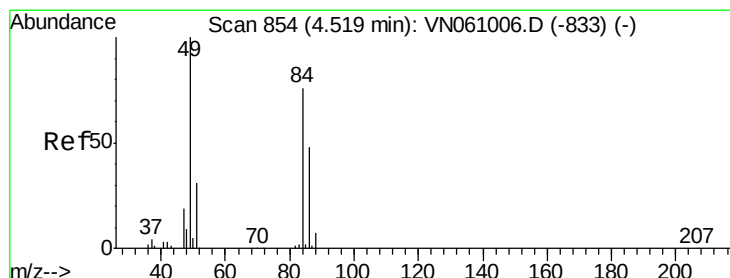
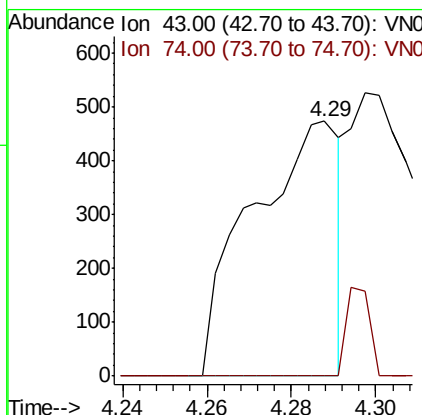
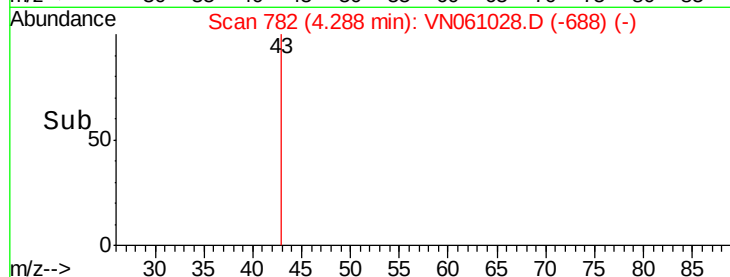
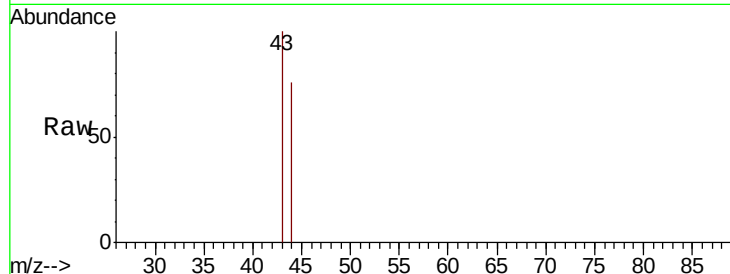




#18
Methvl Acetate
Concen: 0.247 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

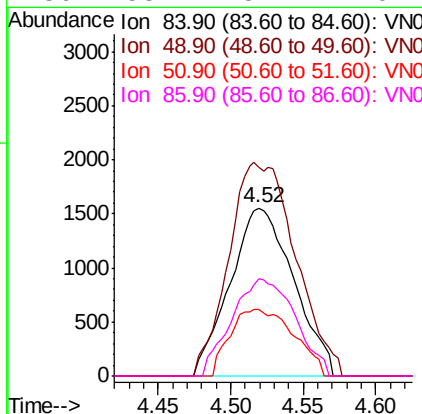
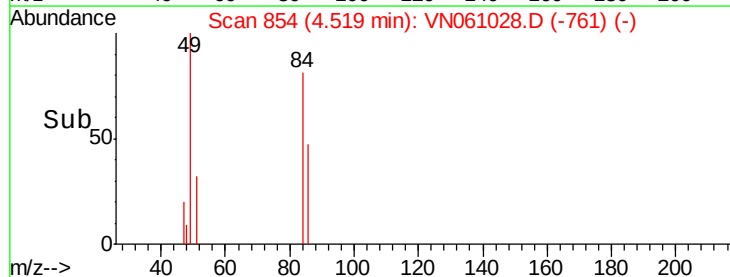
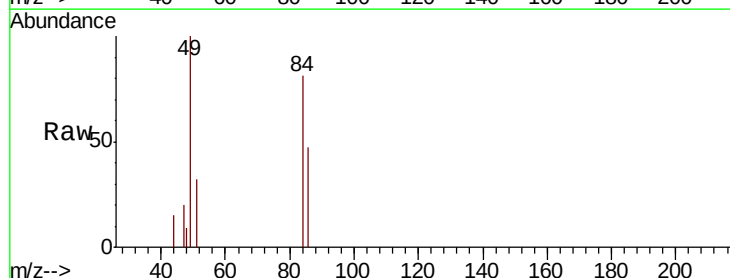
Instrument :
MSVOA_N
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

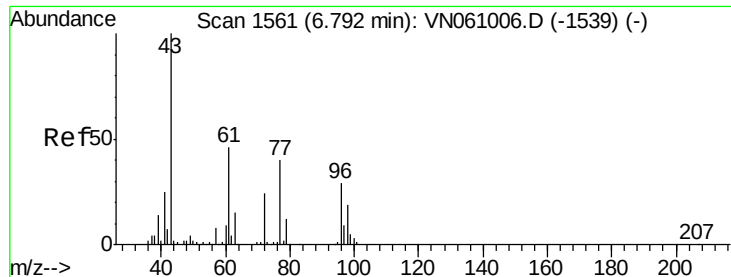
Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 9.1 17.4 26.0#



#20
Methylene Chloride
Concen: 2.471 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

Tgt Ion: 84 Resp: 4746
Ion Ratio Lower Upper
84 100
49 124.2 105.8 158.6
51 39.8 32.4 48.6
86 58.2 51.1 76.7

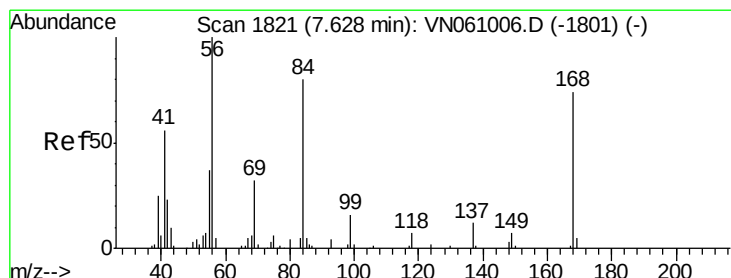
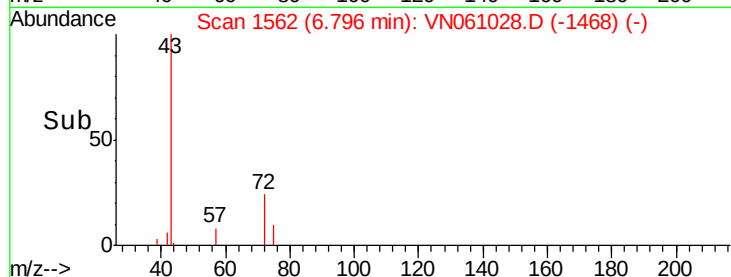
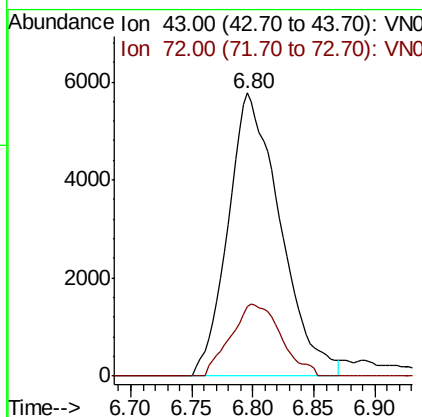
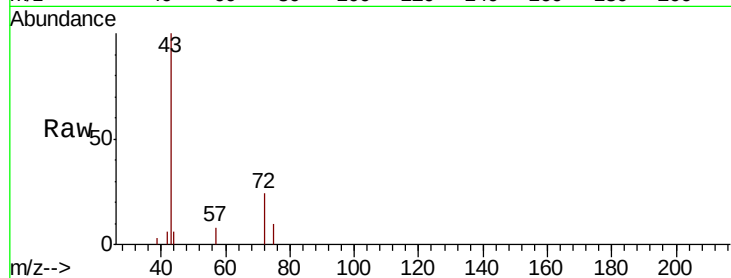




#25
2-Butanone
Concen: 12.715 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

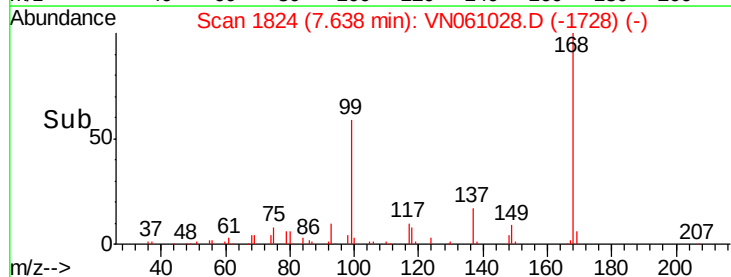
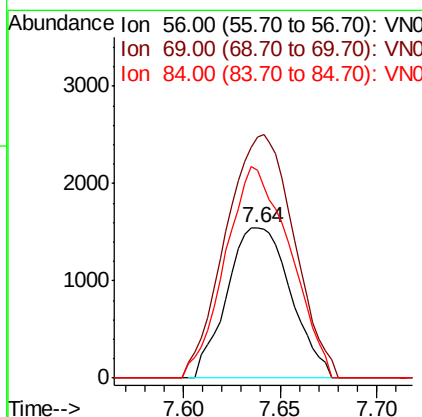
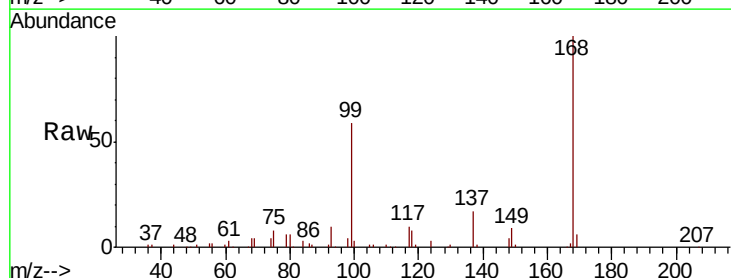
Instrument :
MSVOA_N
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

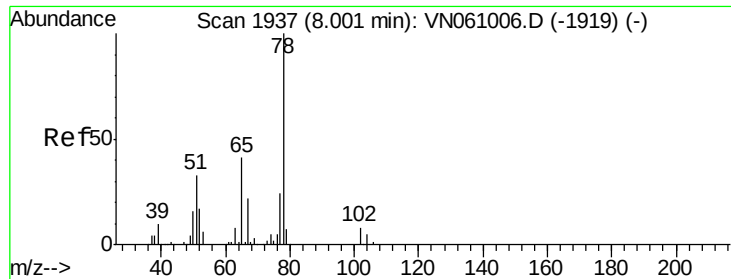
Tot Ion: 43 Resp: 17139
Ion Ratio Lower Upper
43 100
72 24.5 19.6 29.4



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

Tgt Ion: 56 Resp: 3548
Ion Ratio Lower Upper
56 100
69 160.2 25.6 38.4#
84 138.0 63.4 95.2#

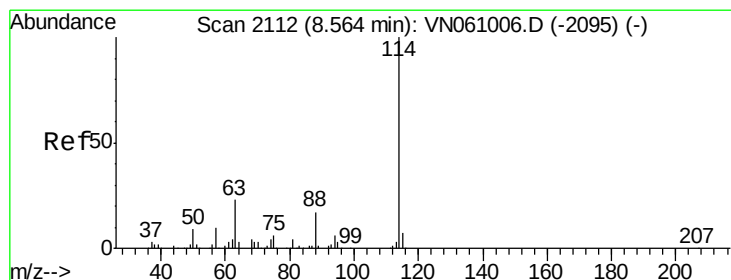
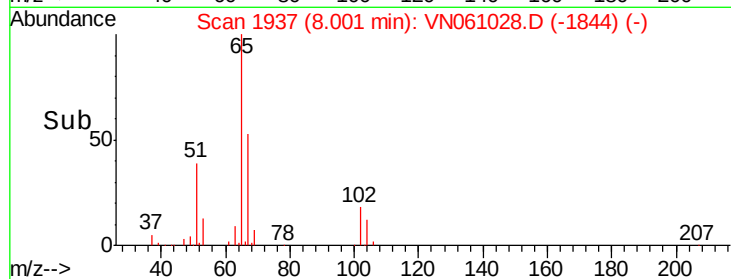
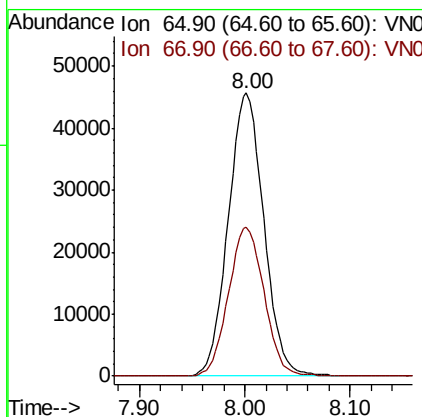
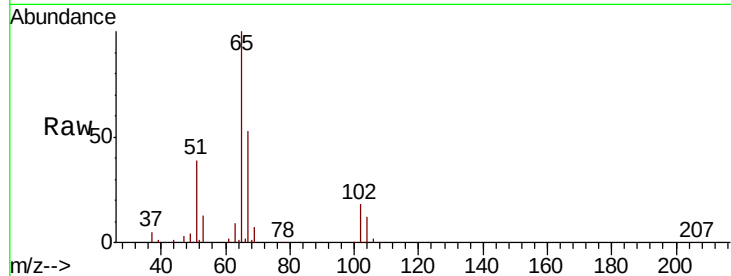




#33
 1,2-Dichloroethane-d4
 Concen: 53.426 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

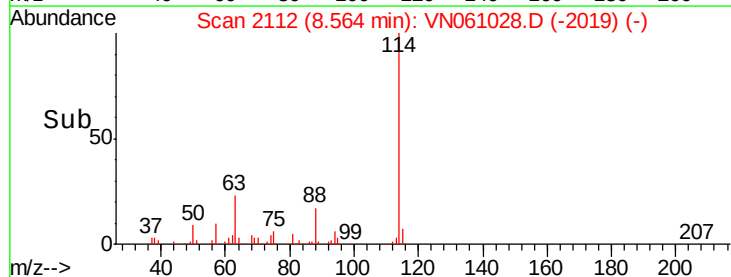
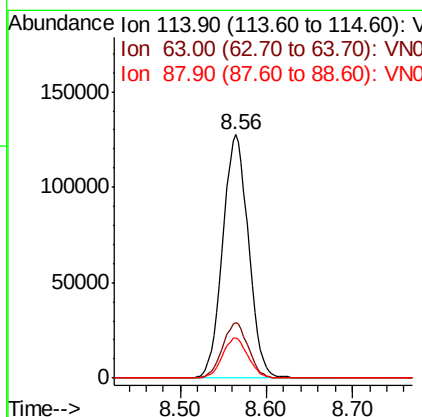
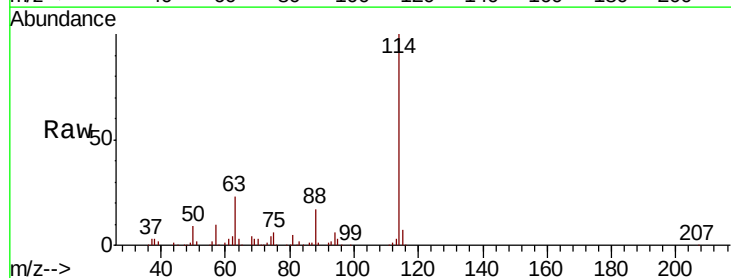
Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SEDIM

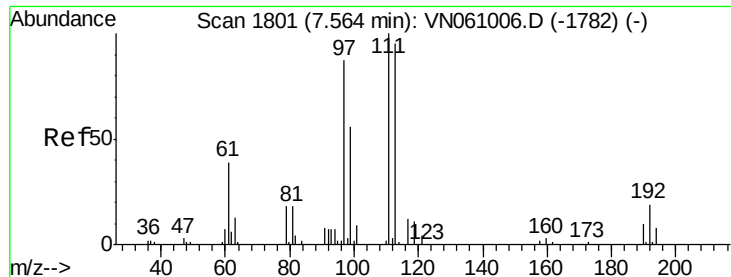
Tot Ion: 65 Resp: 106768
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

Tgt Ion: 114 Resp: 266148
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.493 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

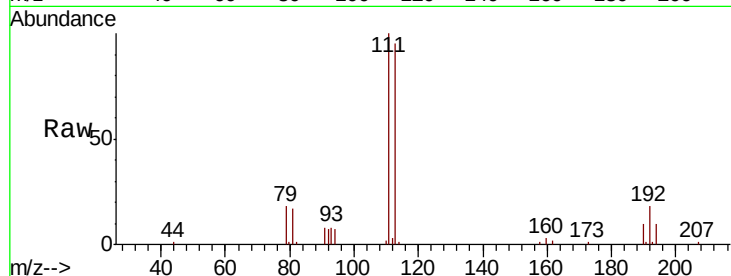
Tot Ion:113 Resp: 80034

Ion Ratio Lower Upper

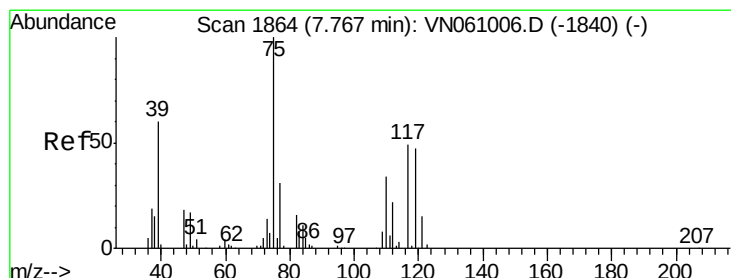
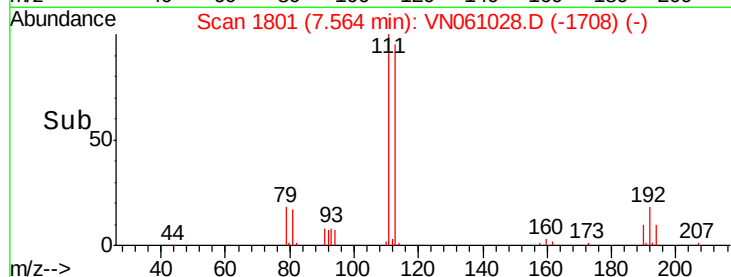
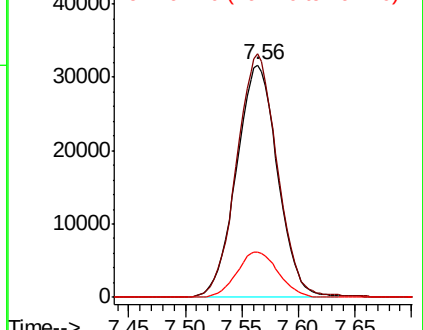
113 100

111 103.8 83.4 125.2

192 19.5 15.5 23.3



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: 4.651 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

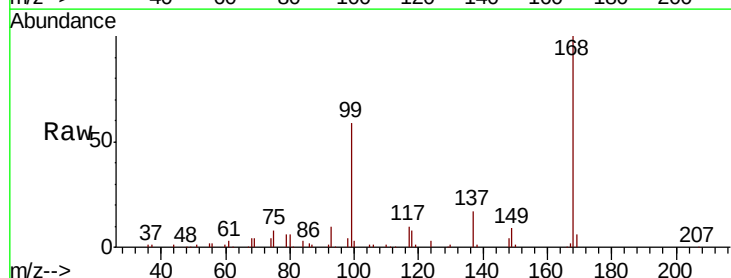
Tgt Ion: 75 Resp: 12774

Ion Ratio Lower Upper

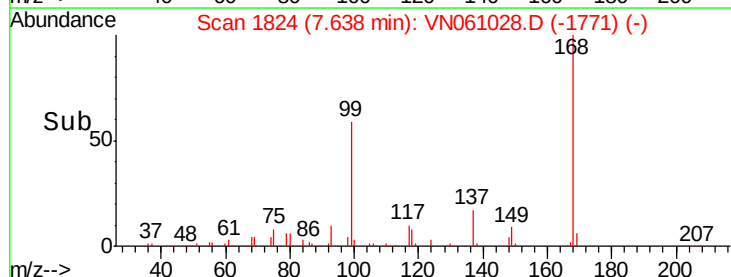
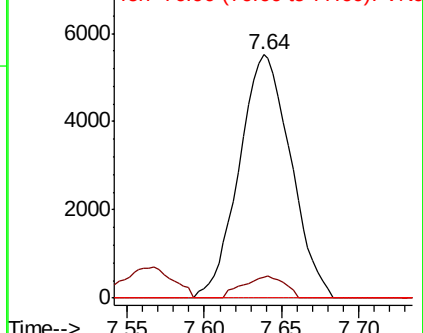
75 100

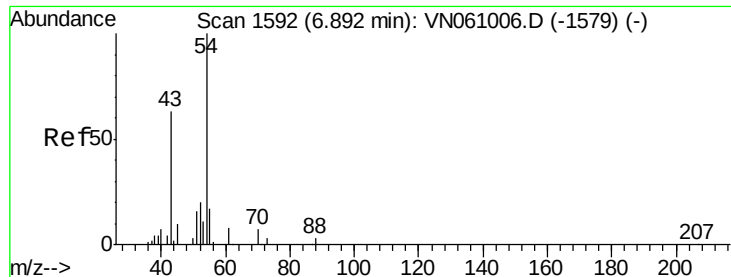
110 7.2 16.8 50.3#

77 0.0 24.7 37.1#



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





#37

Ethyl Acetate

Concen: 5.747 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

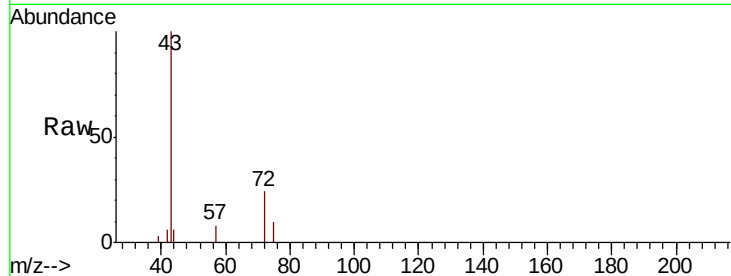
Tot Ion: 43 Resp: 17139

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

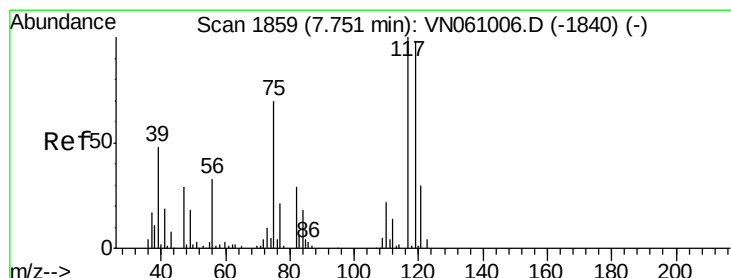
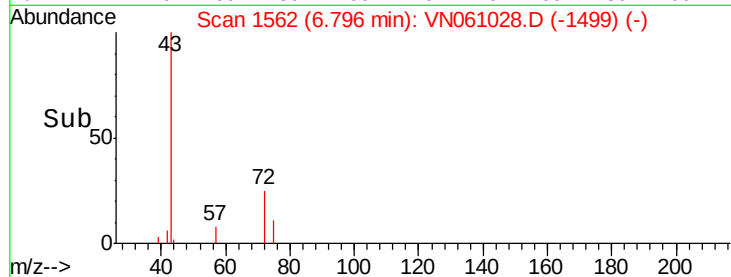
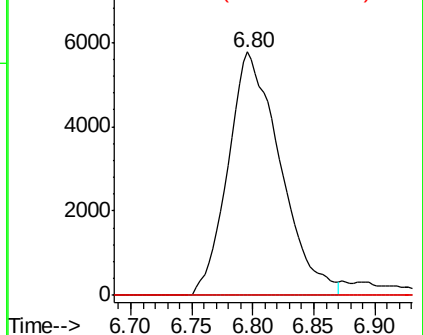
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1579) (-)

Ion 60.90 (60.60 to 61.60): VN061006.D (-1579) (-)

Ion 70.00 (69.70 to 70.70): VN061006.D (-1579) (-)



#38

Carbon Tetrachloride

Concen: 6.702 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

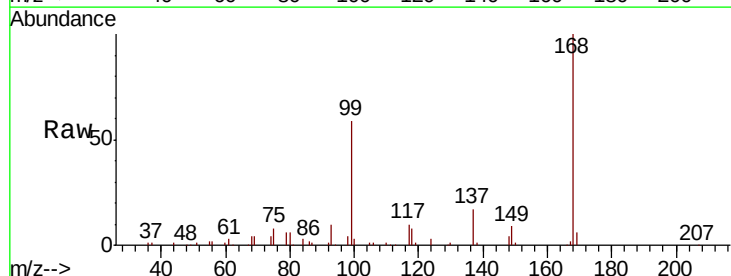
Tgt Ion: 117 Resp: 15321

Ion Ratio Lower Upper

117 100

119 5.5 78.1 117.1#

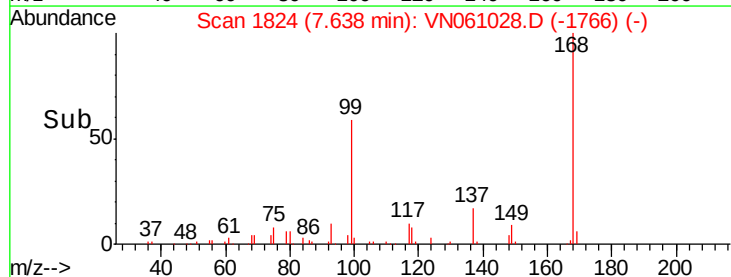
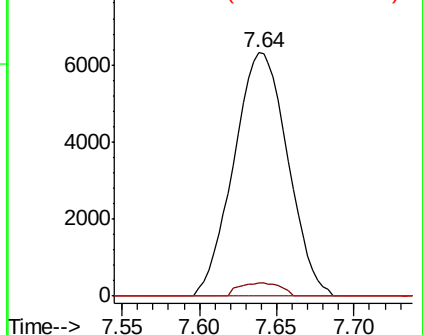
121 0.0 24.0 36.0#

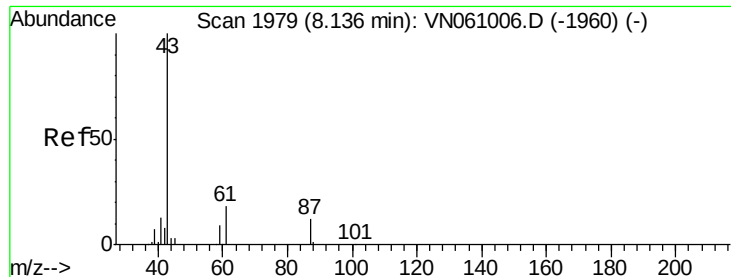


Abundance Ion 116.80 (116.50 to 117.50): VN061006.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN061006.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN061006.D (-1840) (-)





#43

Isopropyl Acetate

Concen: 1.852 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

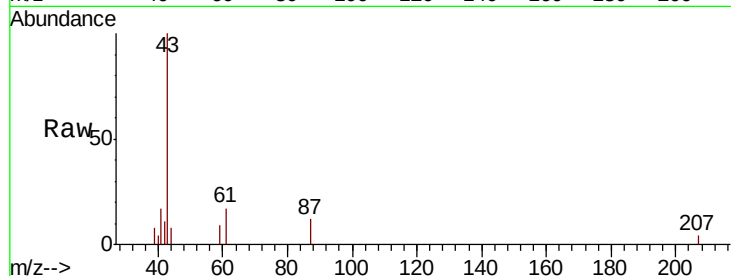
Tot Ion: 43 Resp: 8981

Ion Ratio Lower Upper

43 100

61 17.5 20.3 30.5#

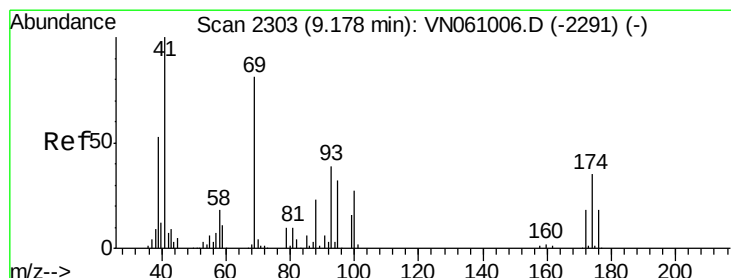
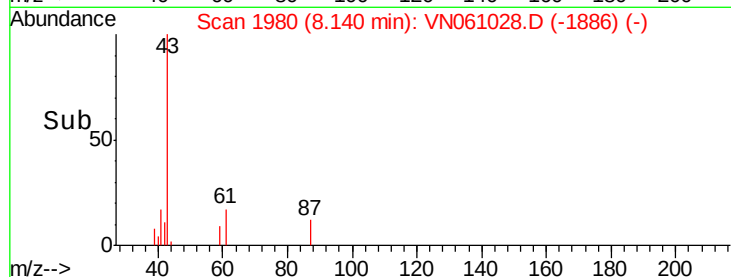
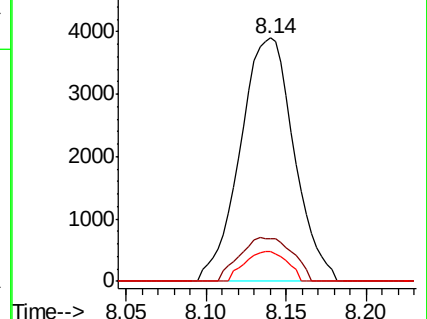
87 9.5 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061028.D (-1980) (-)

Ion 61.00 (60.70 to 61.70): VN061028.D (-1980) (-)

Ion 87.00 (86.70 to 87.70): VN061028.D (-1980) (-)



#48

Methyl methacrylate

Concen: 1.231 ug/l

RT: 9.16 min Scan# 2296

Delta R.T. -0.02 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

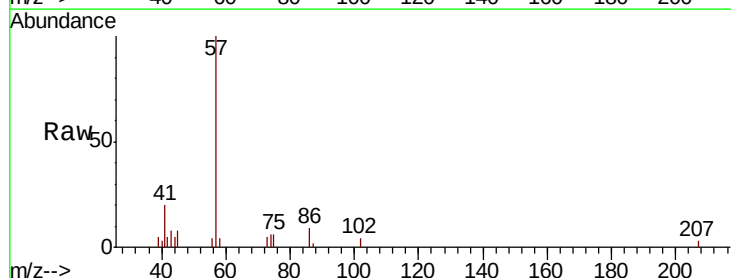
Tgt Ion: 41 Resp: 2639

Ion Ratio Lower Upper

41 100

69 0.0 65.3 97.9#

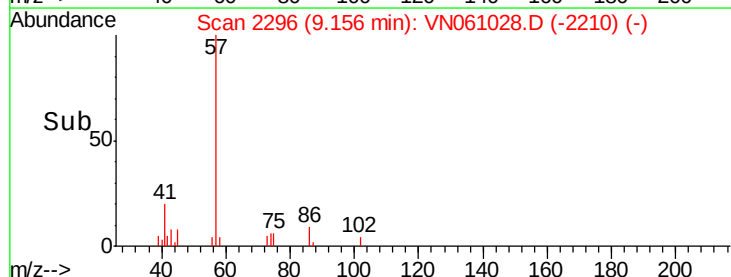
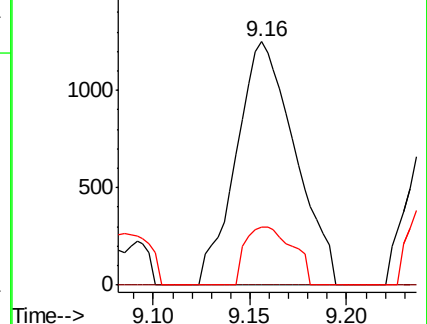
39 19.1 45.2 67.8#

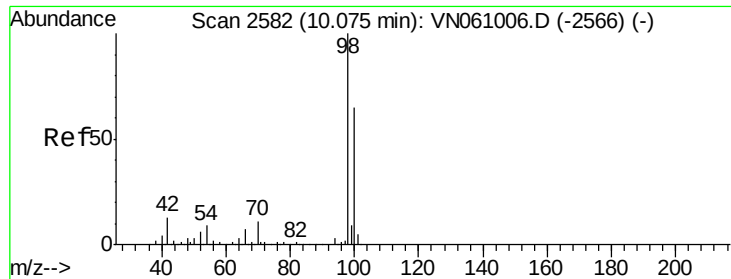


Abundance Ion 41.00 (40.70 to 41.70): VN061028.D (-2296) (-)

Ion 69.00 (68.70 to 69.70): VN061028.D (-2296) (-)

Ion 39.00 (38.70 to 39.70): VN061028.D (-2296) (-)

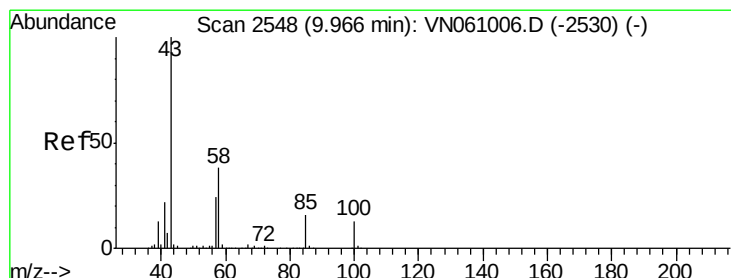
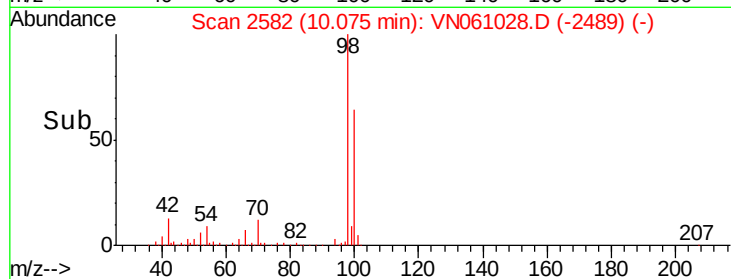
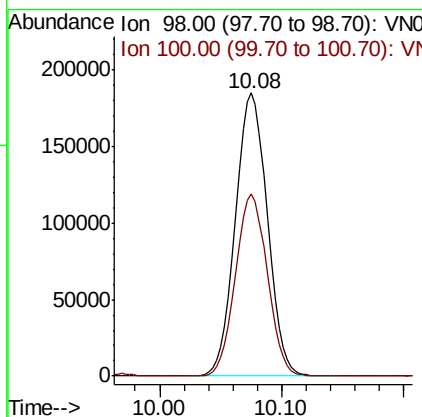
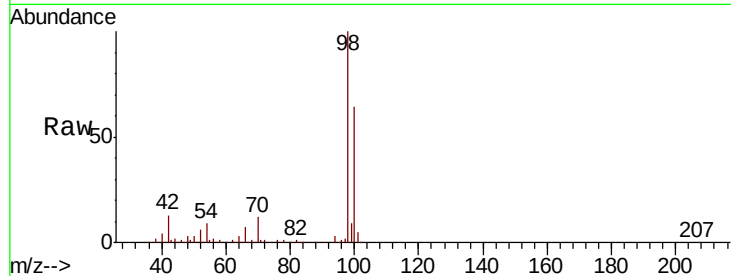




#50
Toluene-d8
Concen: 57.098 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

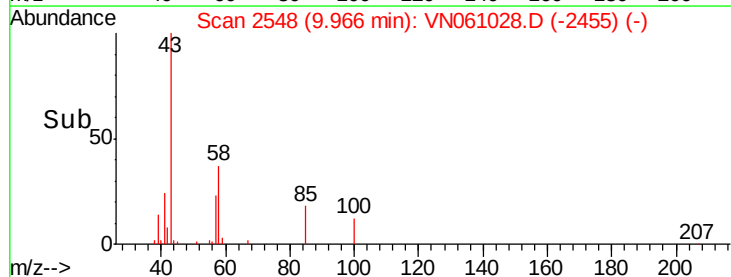
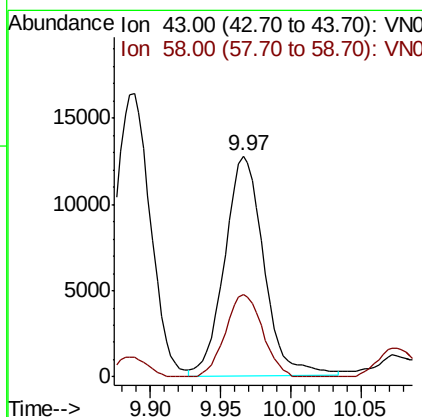
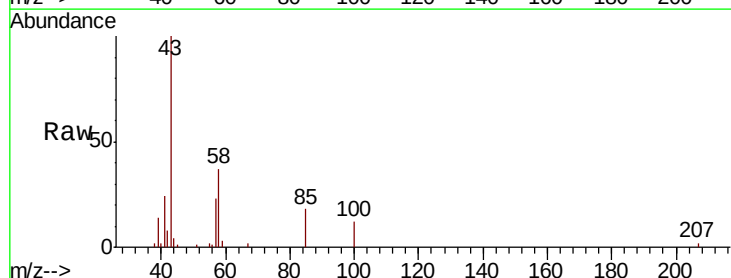
Instrument :
MSVOA_N
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

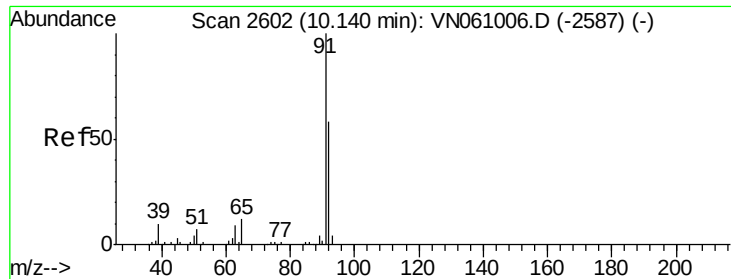
Tot Ion: 98 Resp: 335351
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 8.802 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

Tgt Ion: 43 Resp: 24610
Ion Ratio Lower Upper
43 100
58 35.7 30.3 45.5





#52

Toluene

Concen: 15.831 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

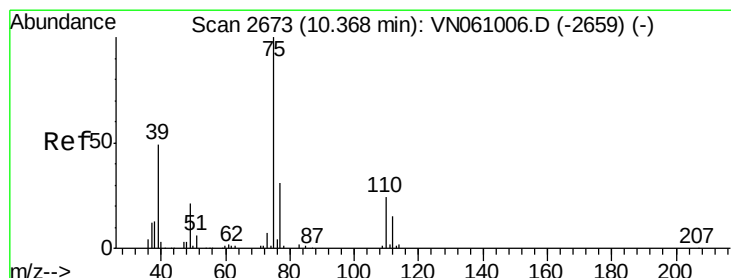
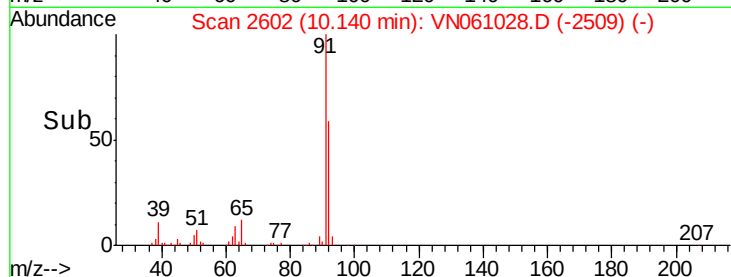
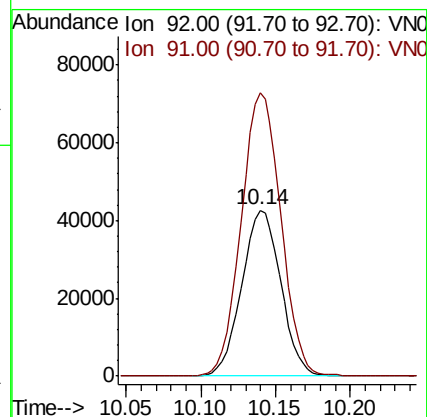
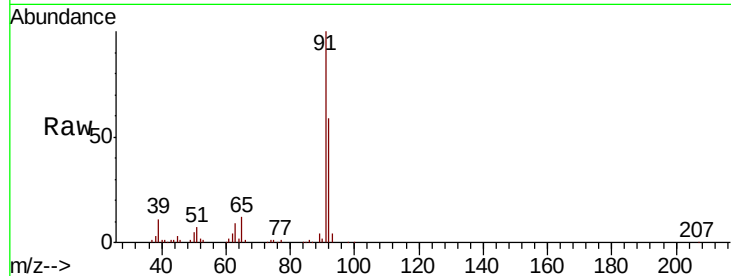
WATER-RECLAIM-SYSTEM-SEDIM

Tot Ion: 92 Resp: 77381

Ion Ratio Lower Upper

92 100

91 173.7 137.7 206.5



#53

t-1,3-Dichloropropene

Concen: 0.279 ug/l

RT: 10.14 min Scan# 2601

Delta R.T. -0.23 min

Lab File: VN061028.D

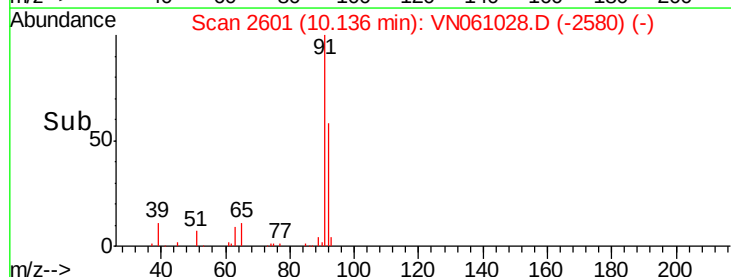
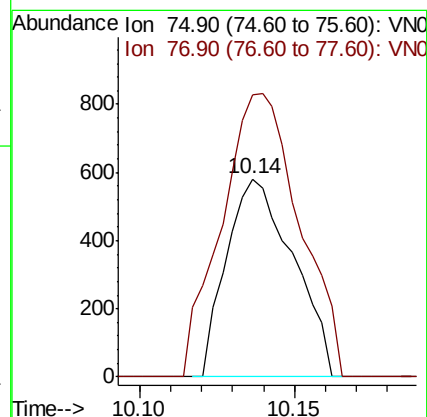
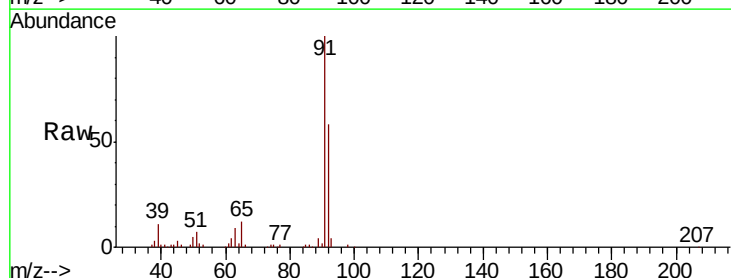
Acq: 16 Apr 2020 21:36

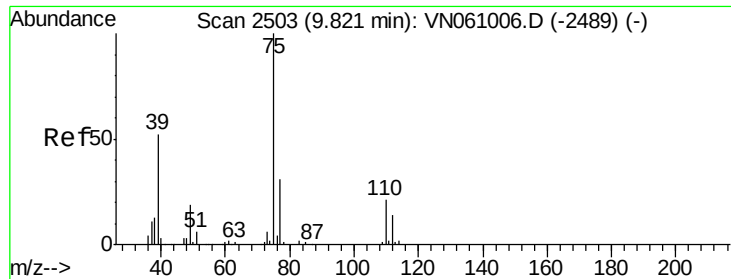
Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

77 142.6 25.0 37.6#





#54

cis-1,3-Dichloropropene

Concen: 3.902 ug/l

RT: 9.89 min Scan# 2523

Delta R.T. 0.06 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

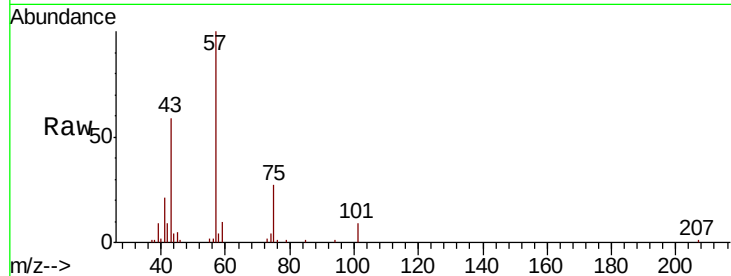
Tot Ion: 75 Resp: 13256

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

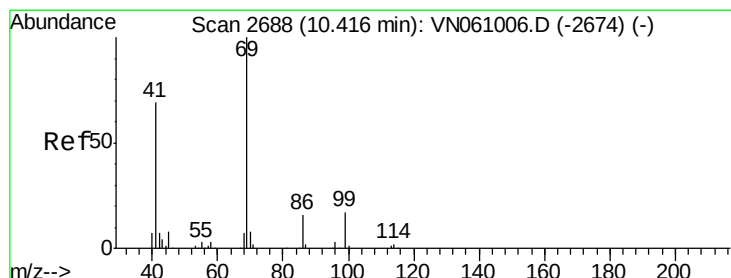
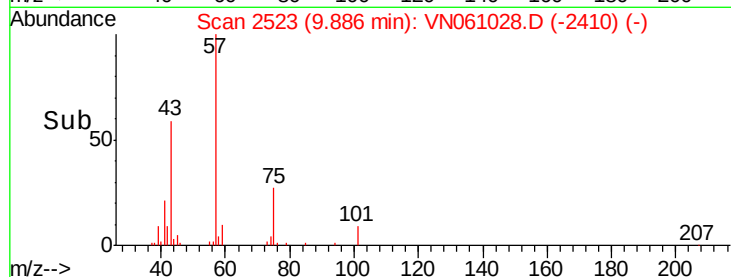
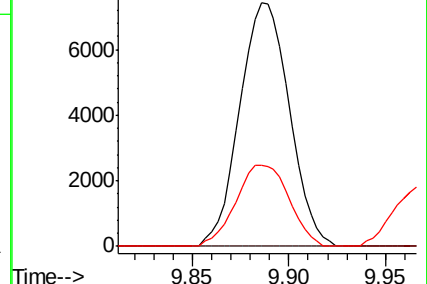
39 33.6 41.4 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN061006.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-2489) (-)



#56

Ethyl methacrylate

Concen: 0.313 ug/l

RT: 10.34 min Scan# 2665

Delta R.T. -0.07 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

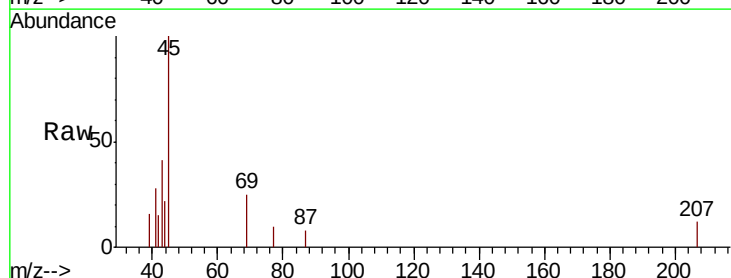
Tgt Ion: 69 Resp: 911

Ion Ratio Lower Upper

69 100

41 127.1 56.7 85.1#

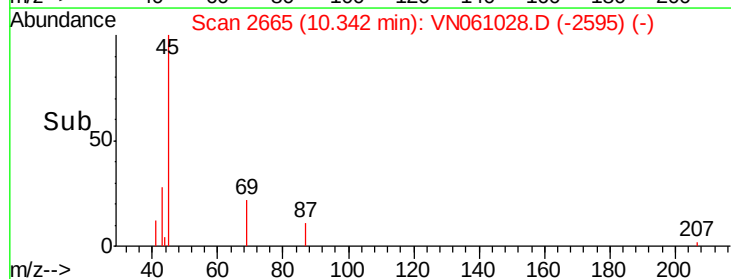
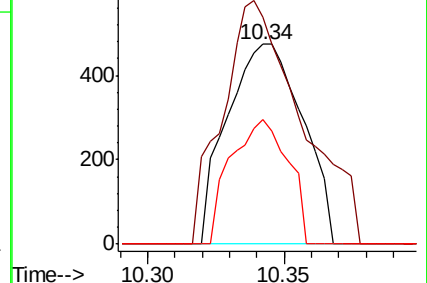
39 47.2 29.4 44.0#

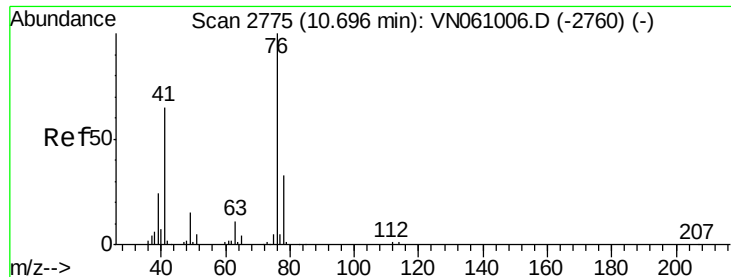


Abundance Ion 69.00 (68.70 to 69.70): VN061006.D (-2674) (-)

Ion 41.00 (40.70 to 41.70): VN061006.D (-2674) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-2674) (-)





#57

1,3-Dichloropropane

Concen: 0.293 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

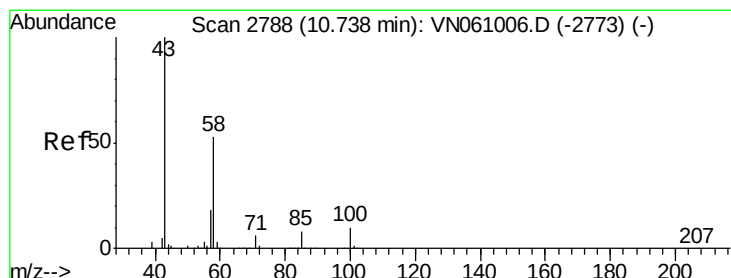
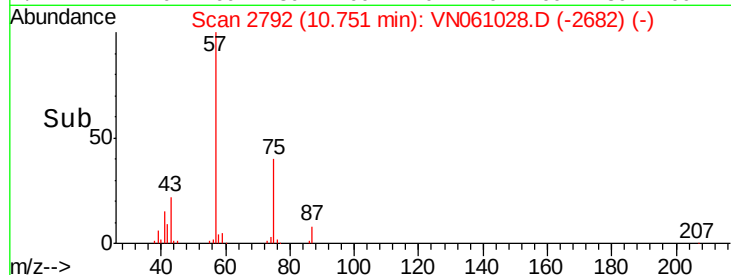
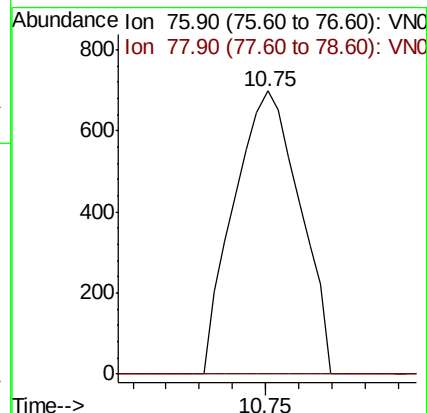
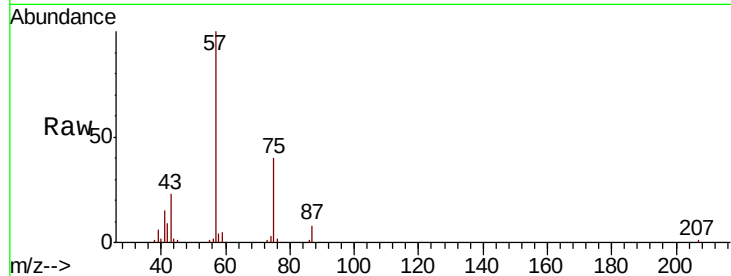
WATER-RECLAIM-SYSTEM-SEDIM

Tot Ion: 76 Resp: 968

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 7.620 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN061028.D

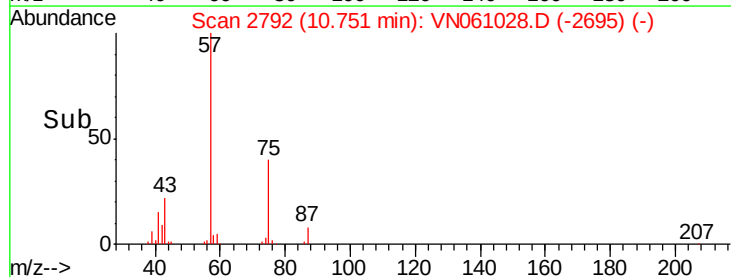
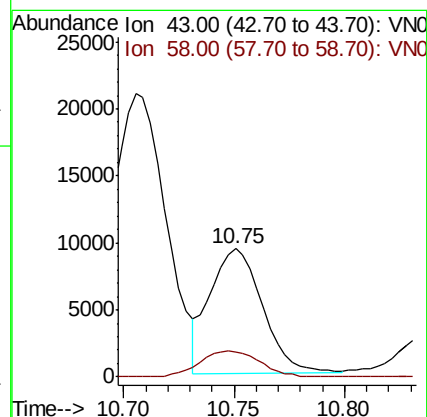
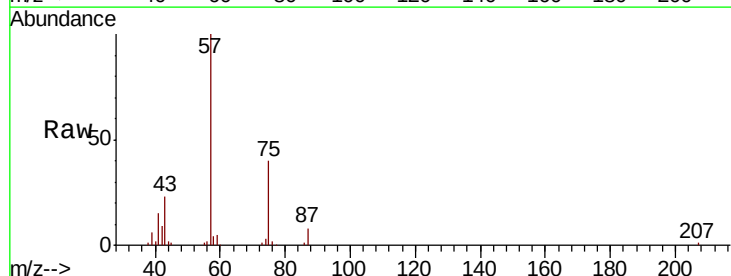
Acq: 16 Apr 2020 21:36

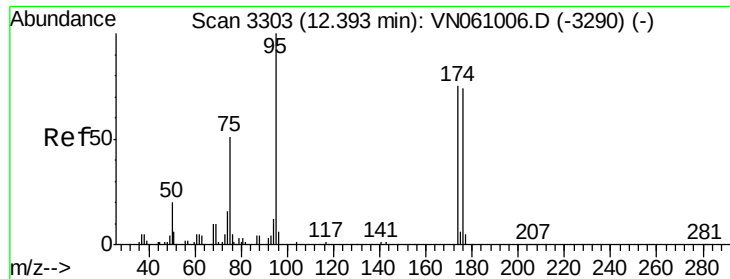
Tgt Ion: 43 Resp: 15365

Ion Ratio Lower Upper

43 100

58 23.5 26.4 79.0#

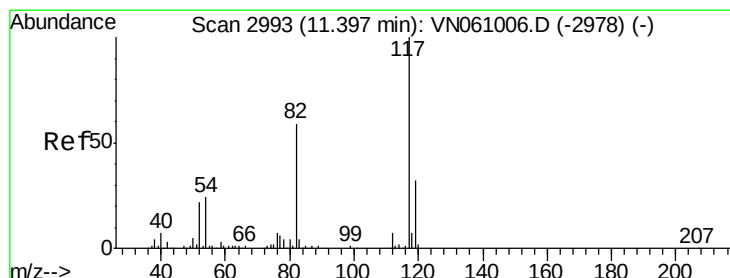
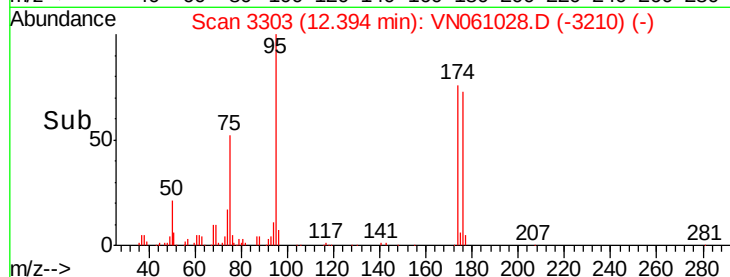
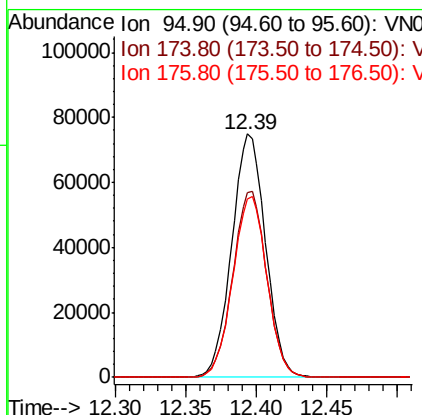
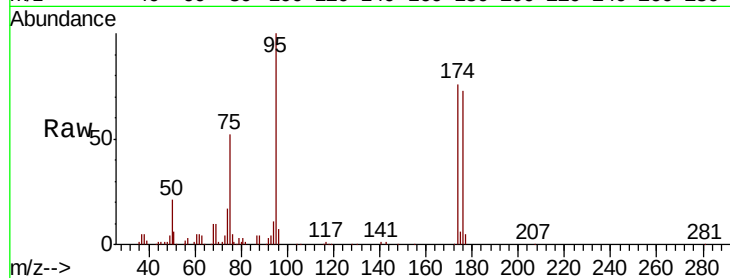




#62
 4-Bromofluorobenzene
 Concen: 54.624 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

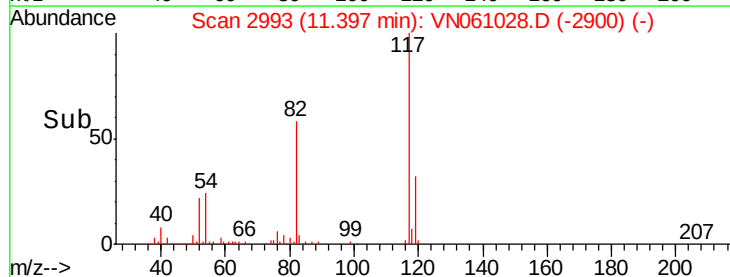
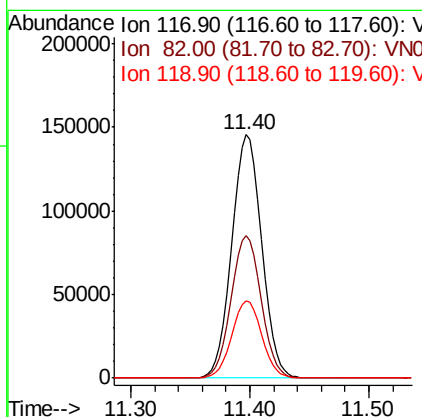
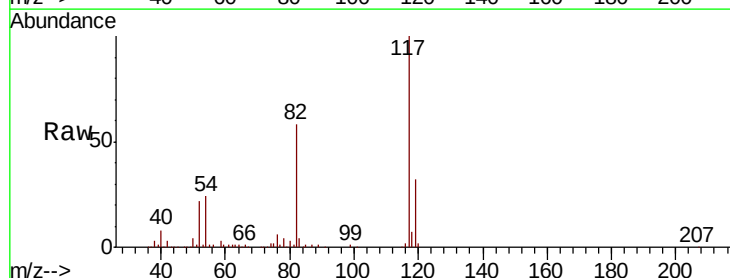
Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SEDIM

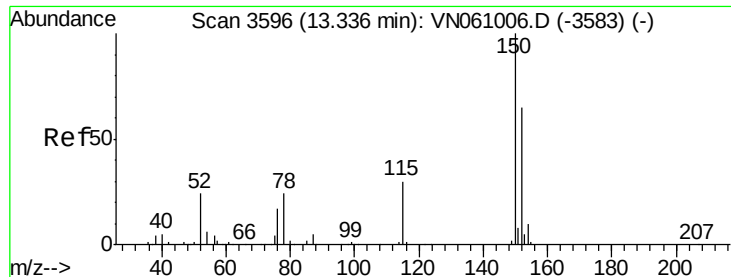
Tot Ion: 95 Resp: 125739
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 151.2
 176 75.1 0.0 148.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2993
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

Tgt Ion: 117 Resp: 254178
 Ion Ratio Lower Upper
 117 100
 82 58.3 47.1 70.7
 119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

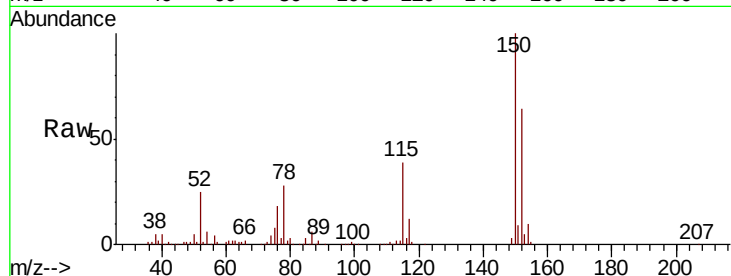
Tot Ion:152 Resp: 114723

Ion Ratio Lower Upper

152 100

115 60.9 30.8 92.4

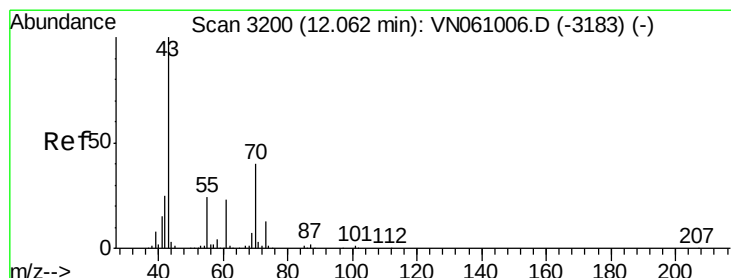
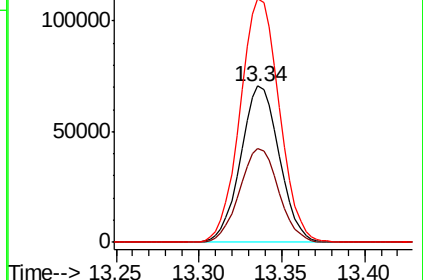
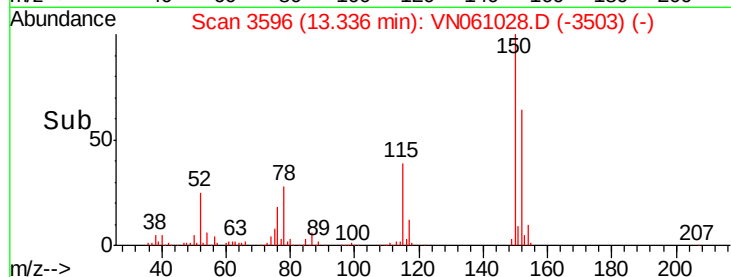
150 157.9 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.750 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Tgt Ion: 43 Resp: 3205

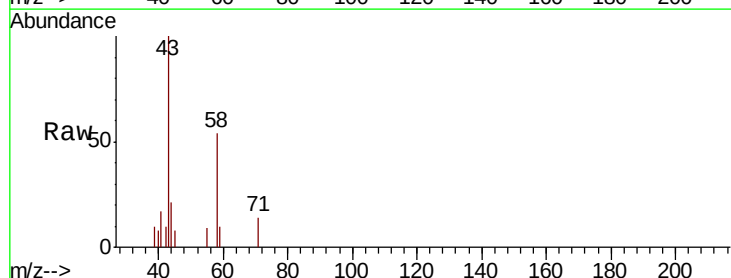
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 3.2 18.6 27.8#

61 0.0 18.2 27.4#

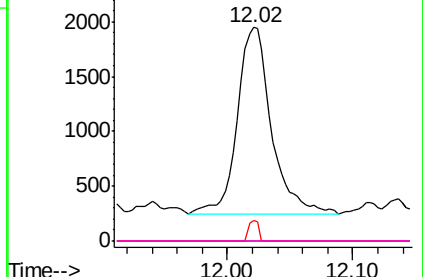
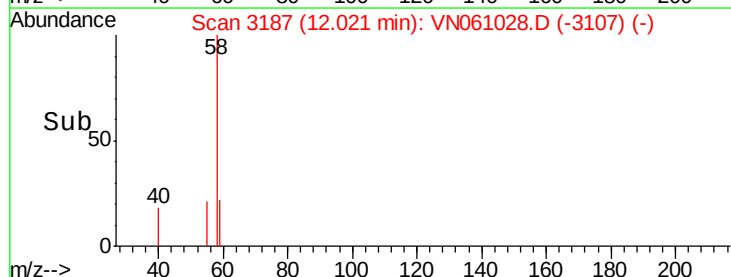


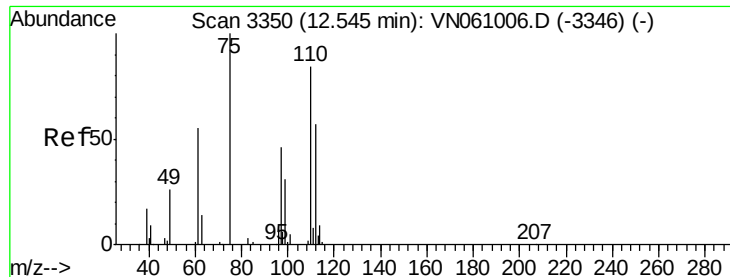
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.822 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

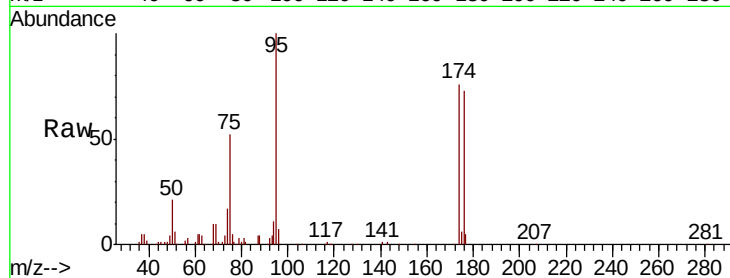
WATER-RECLAIM-SYSTEM-SEDIM

Tot Ion: 75 Resp: 65161

Ion Ratio Lower Upper

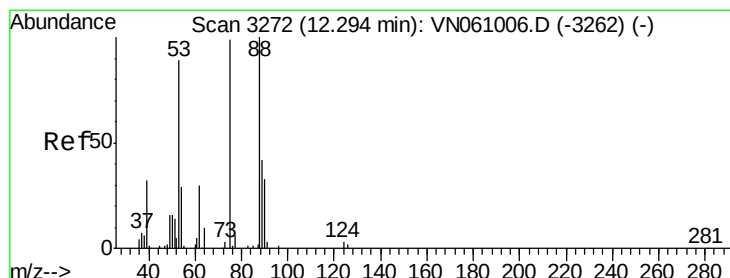
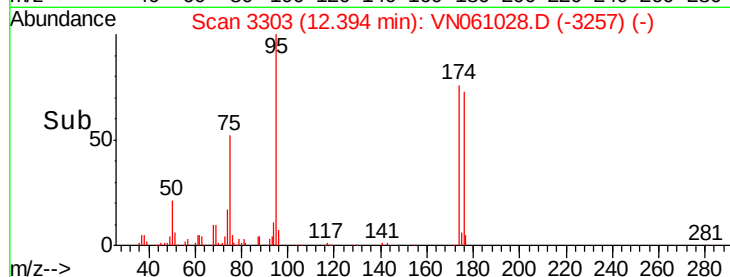
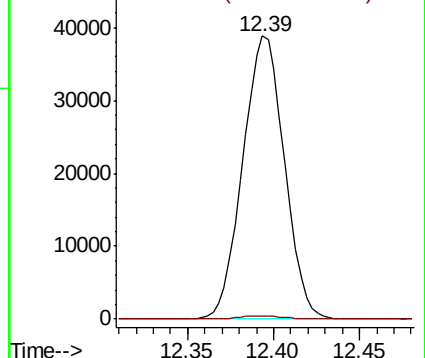
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.693 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061028.D

Acq: 16 Apr 2020 21:36

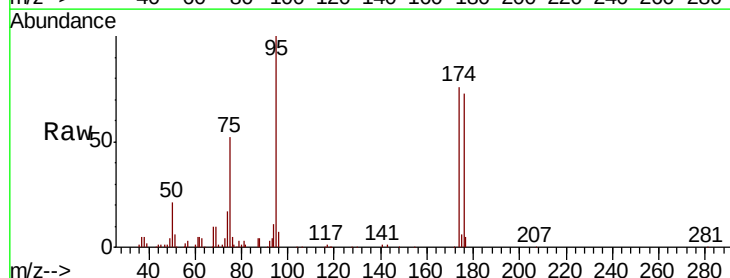
Tgt Ion: 75 Resp: 65161

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

