

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 :

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

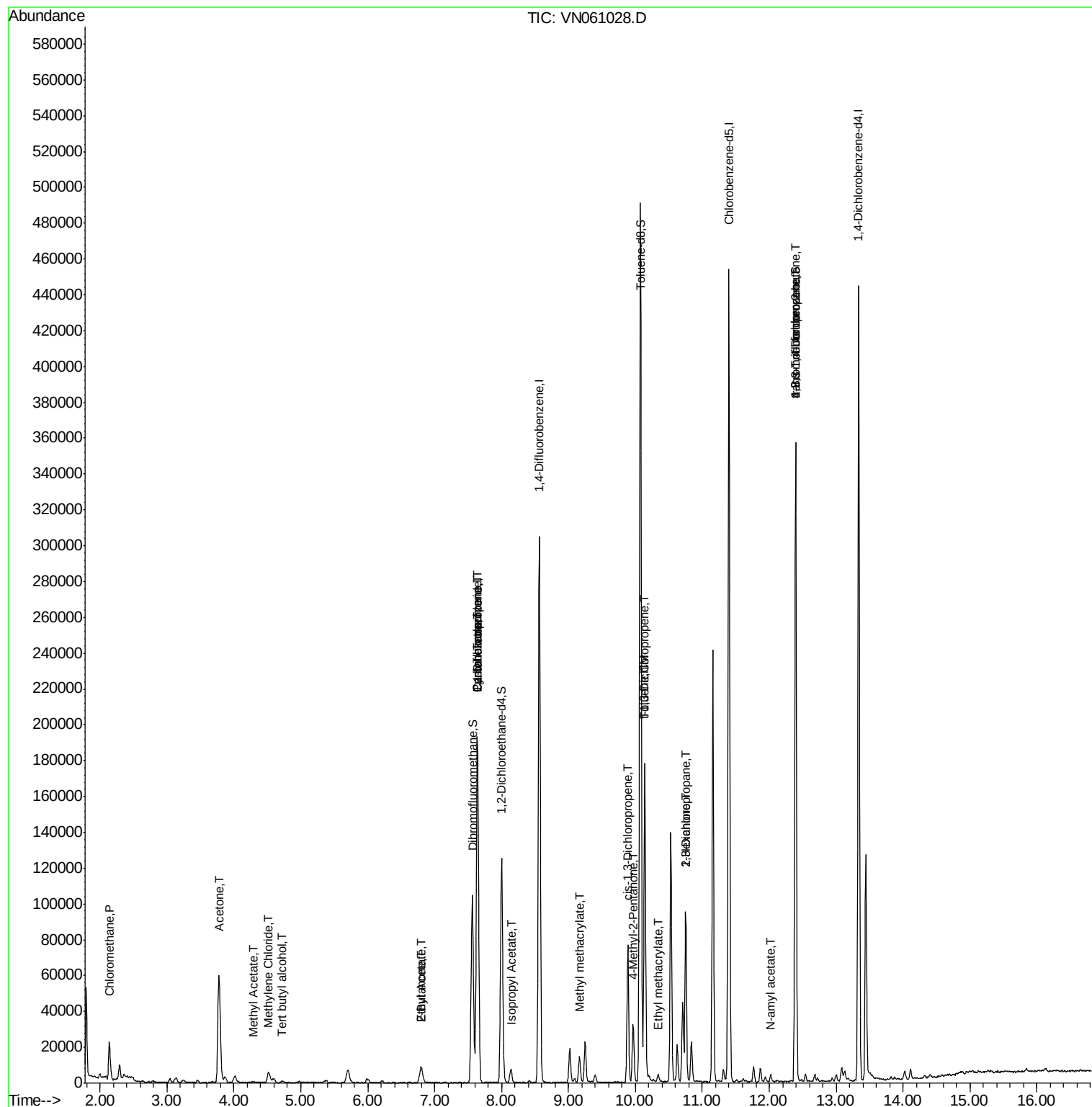
					Qvalue	
3) Chloromethane	2.14	50	917	0.331	ug/l	95
11) Tert butyl alcohol	4.72	59	2364	6.667	ug/l #	73
16) Acetone	3.78	43	104673	118.999	ug/l	99
18) Methyl Acetate	4.29	43	680	0.247	ug/l #	73
20) Methylene Chloride	4.52	84	4746	2.471	ug/l	94
25) 2-Butanone	6.80	43	17139	12.715	ug/l	100
31) Cyclohexane	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

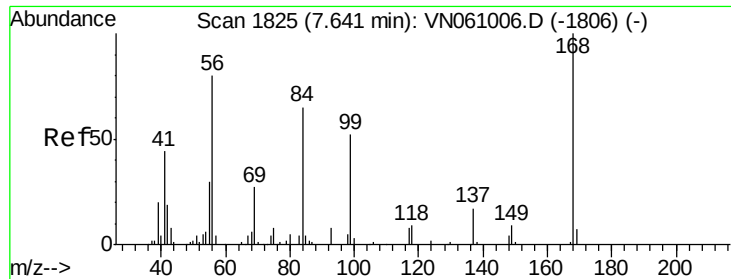
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
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#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

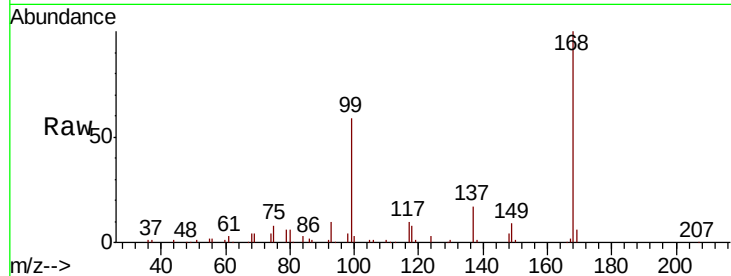
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 156196

Ion Ratio Lower Upper

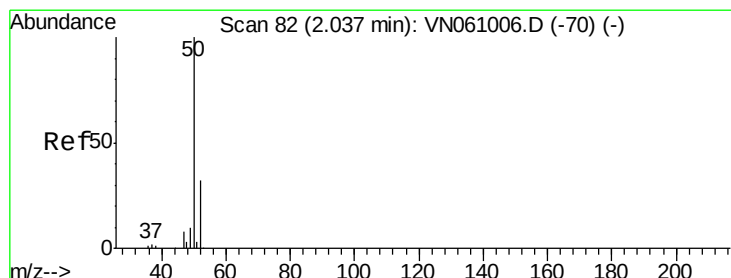
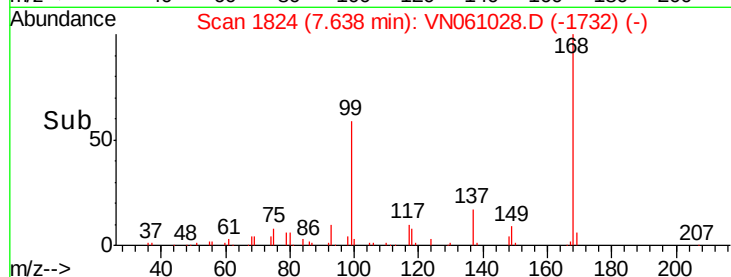
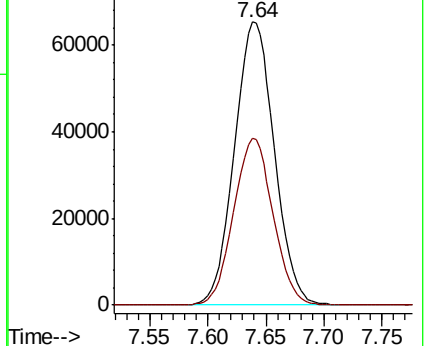
168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.331 ug/l

RT: 2.14 min Scan# 114

Delta R.T. 0.10 min

Lab File: VN061028.D

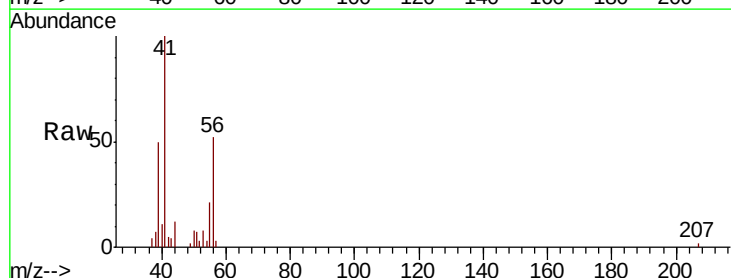
Acq: 16 Apr 2020 21:36

Tgt Ion: 50 Resp: 917

Ion Ratio Lower Upper

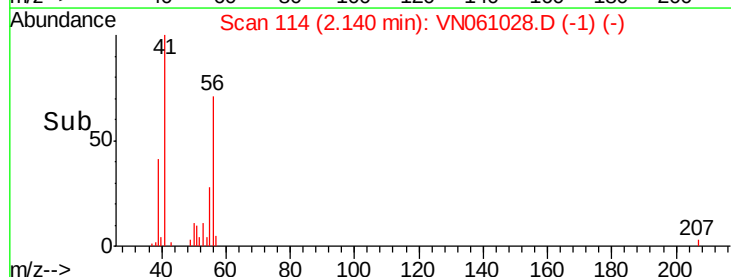
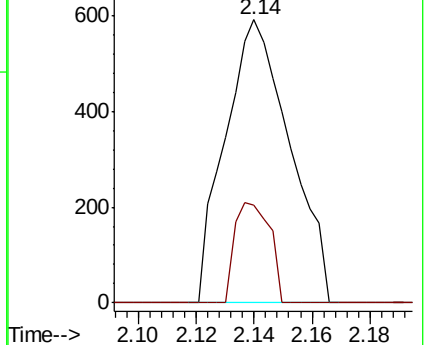
50 100

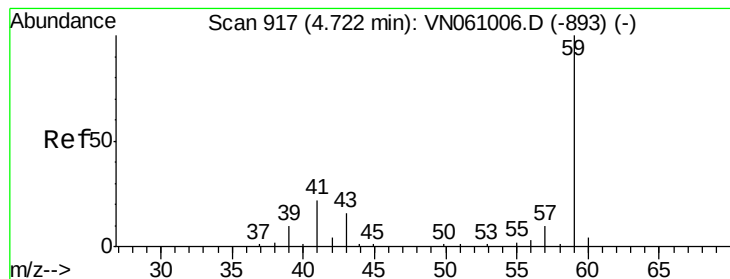
52 34.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



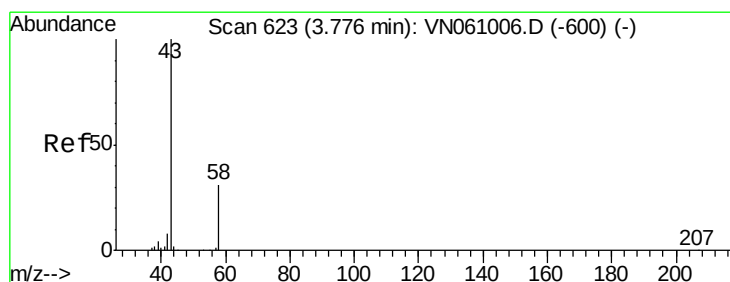
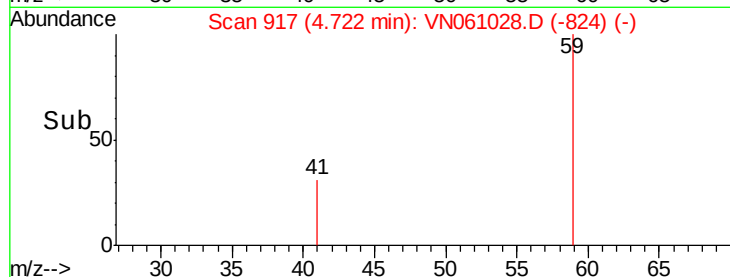
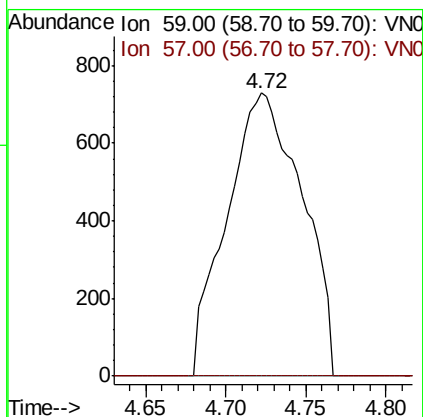
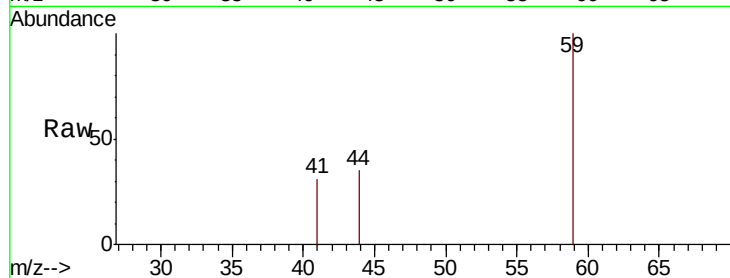


#11

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
 ClientSampled :

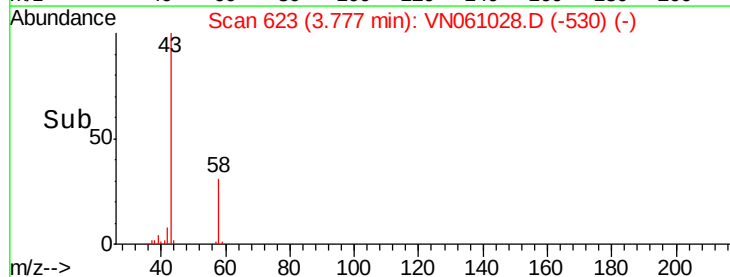
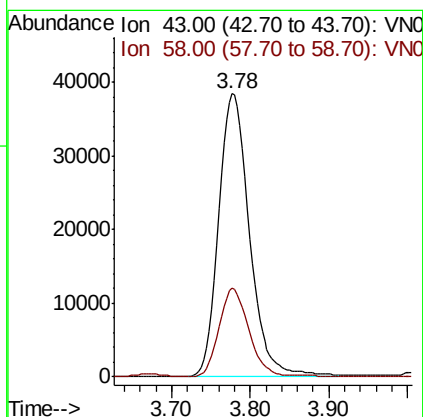
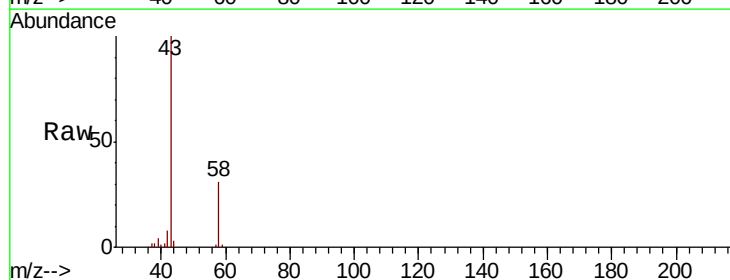
Tot Ion: 59 Resp: 2364
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

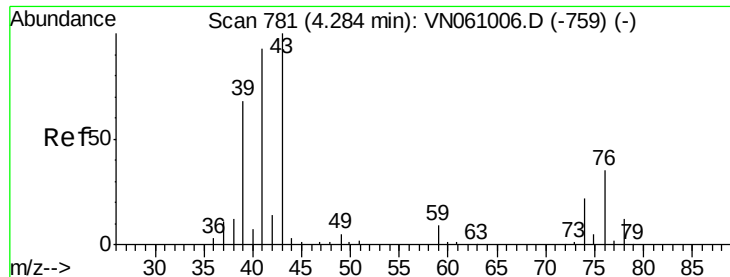


#16

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

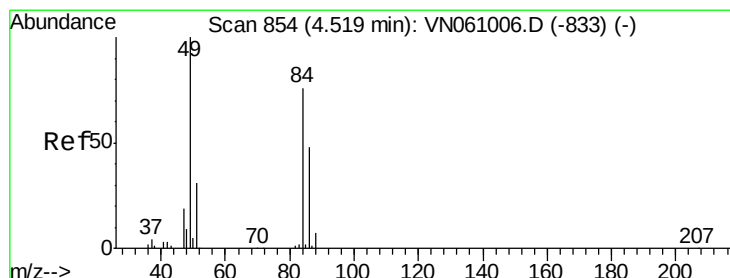
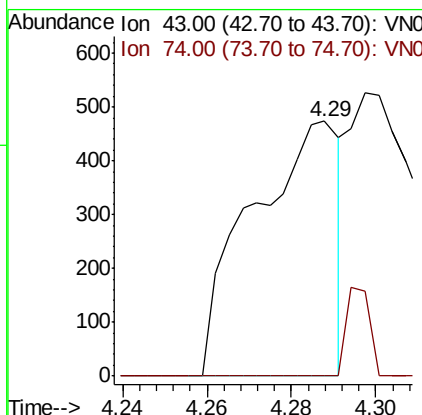
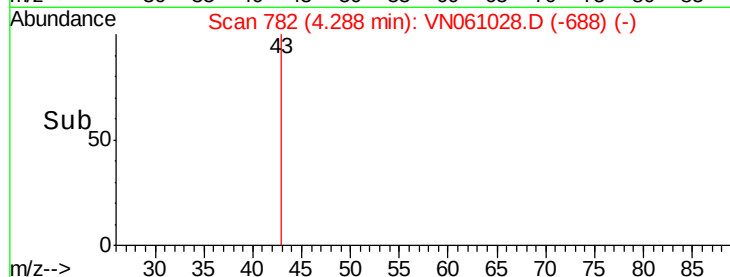
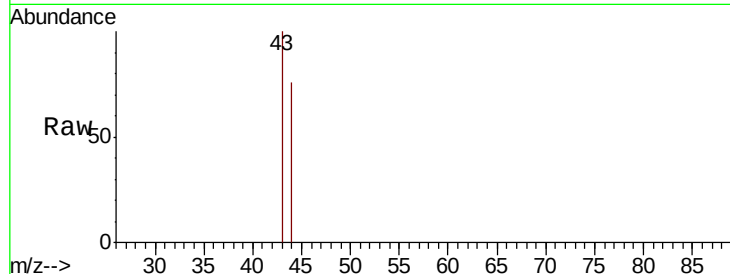




#18
Methyl Acetate
Concen: 0.247 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

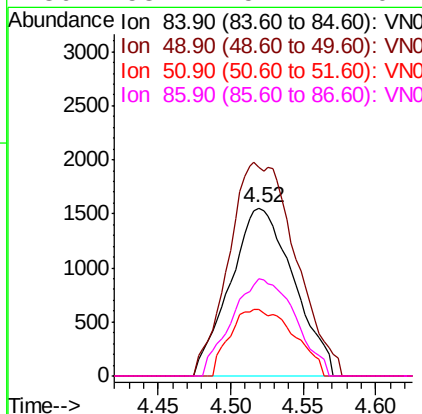
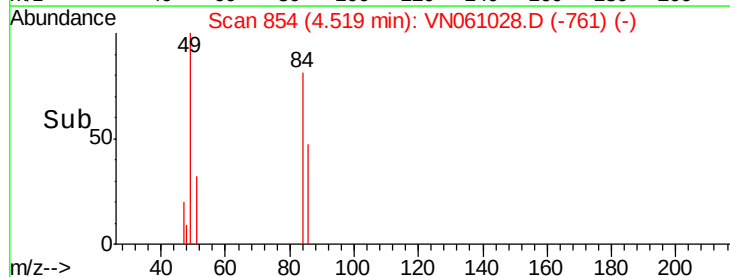
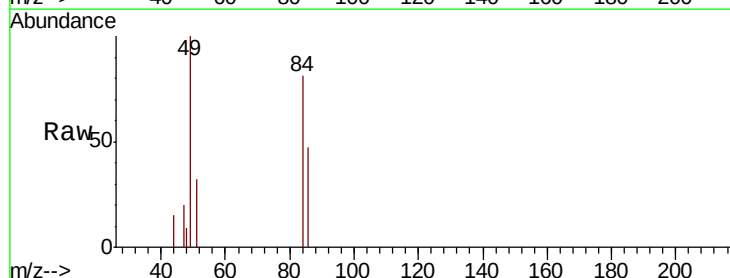
Instrument :
MSVOA_N
ClientSampled :

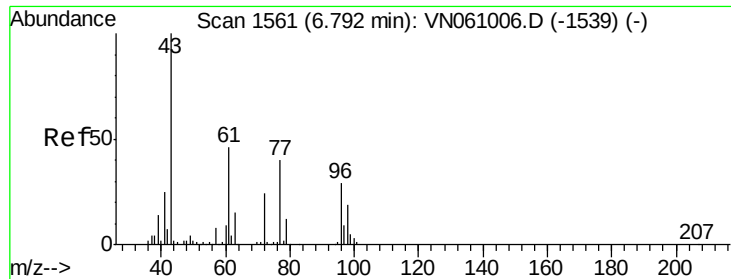
Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 9.1 17.4 26.0#



#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

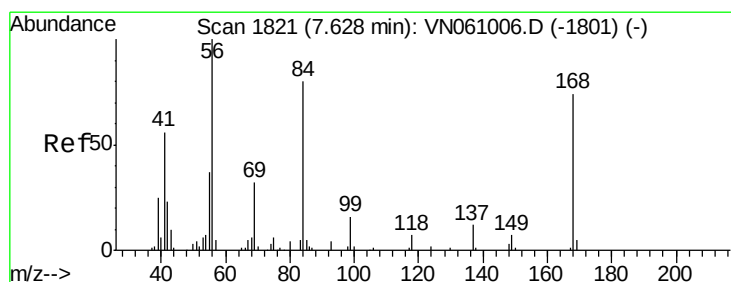
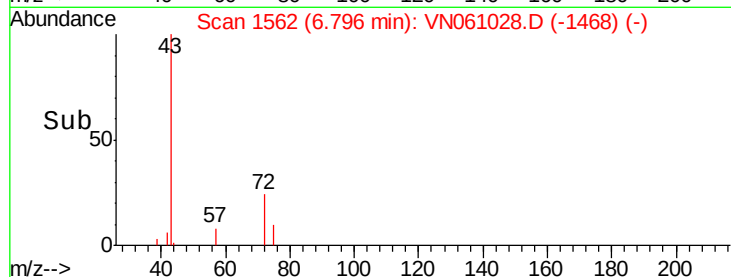
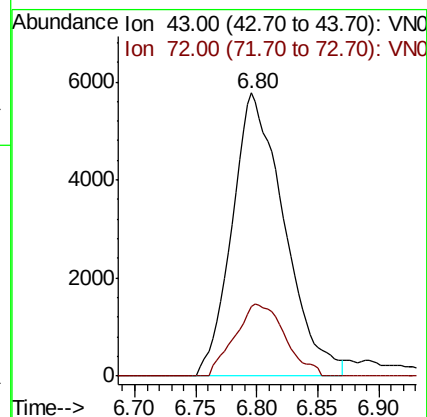
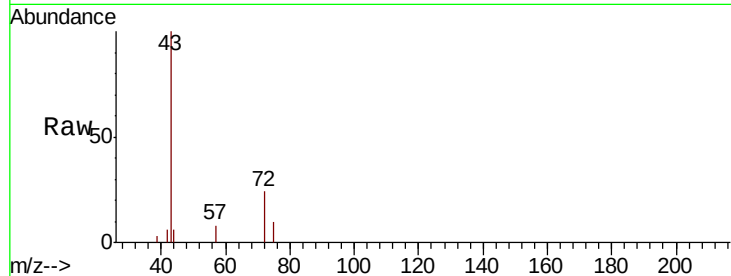




#25
2-Butanone
Concen: 12.715 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

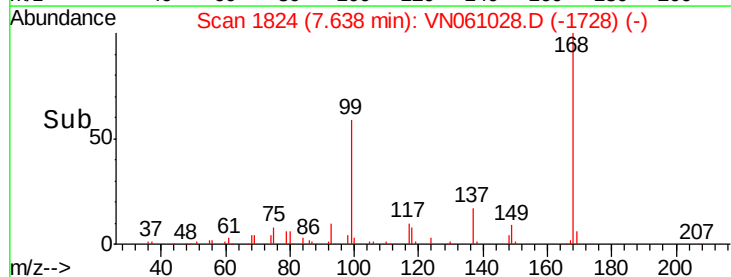
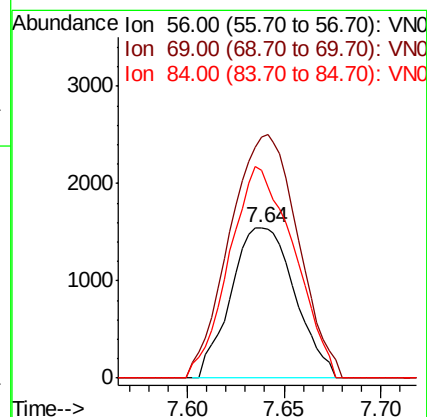
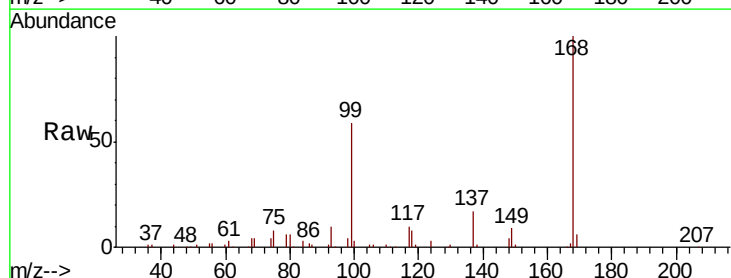
Instrument :
MSVOA_N
ClientSampleId :

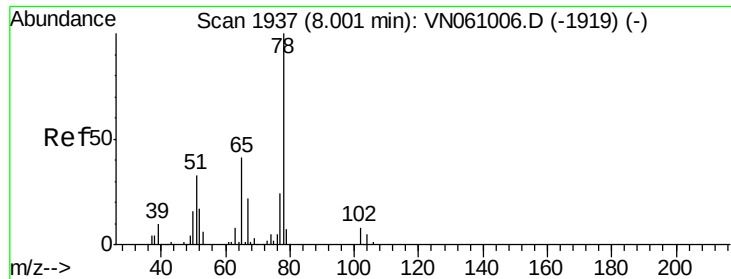
Tot Ion: 43 Resp: 17139
Ion Ratio Lower Upper
43 100
72 24.5 19.6 29.4



#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#

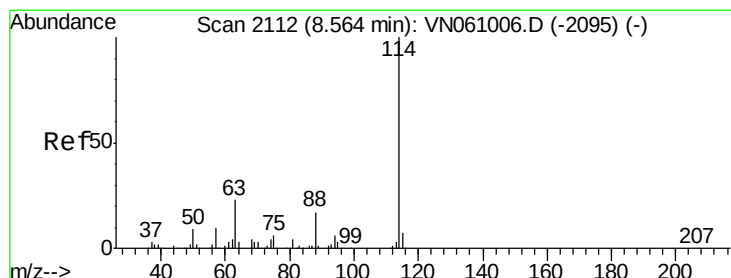
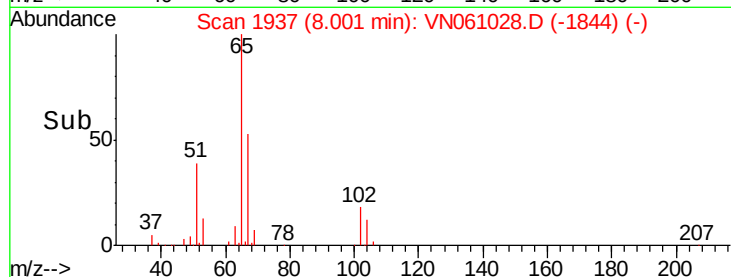
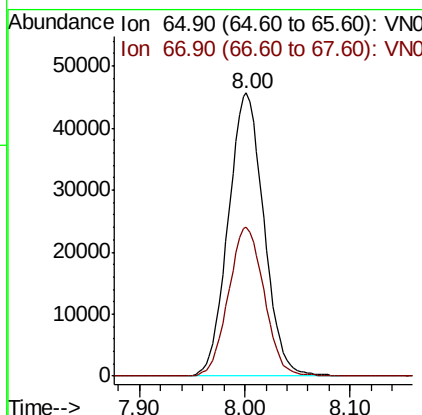
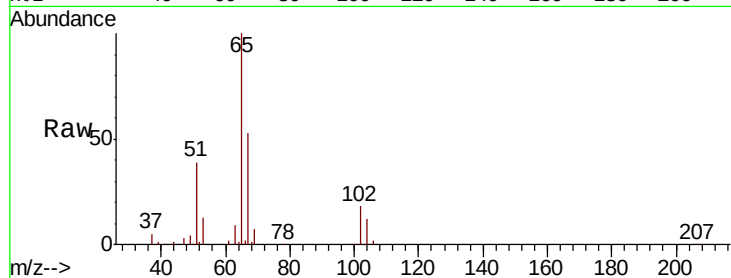




#33
 1,2-Dichloroethane-d4
 Concen: 53.426 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

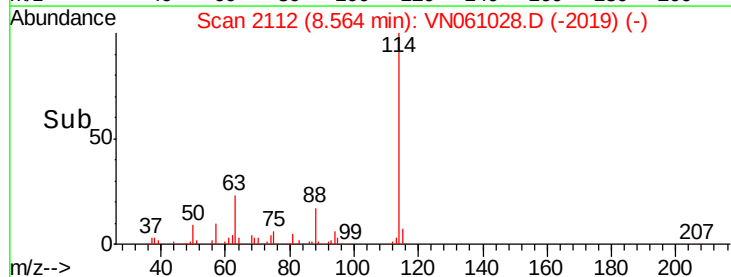
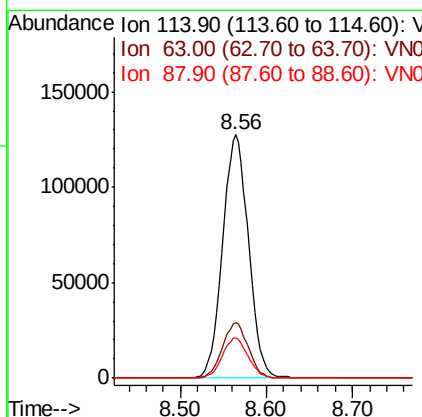
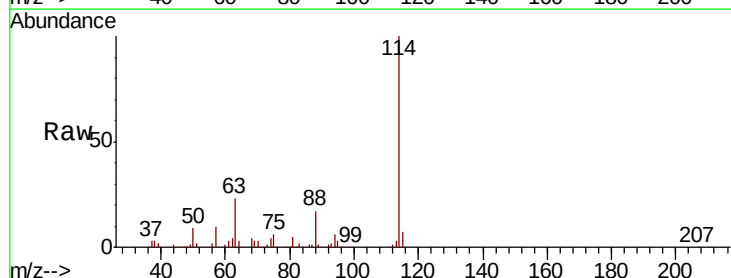
Instrument :
 MSVOA_N
 ClientSampled :

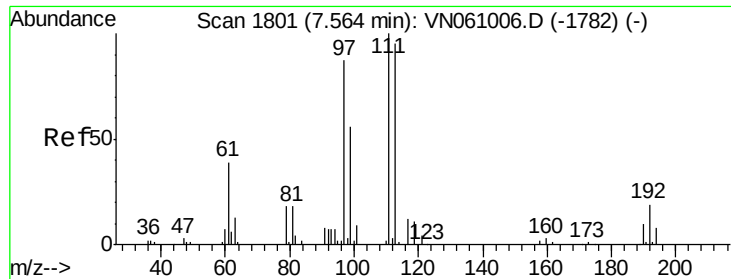
Tot Ion: 65 Resp: 106768
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.0



#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

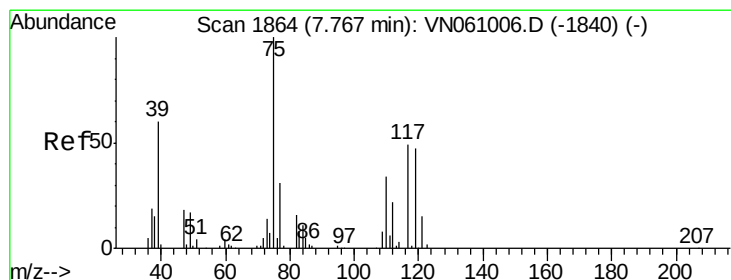
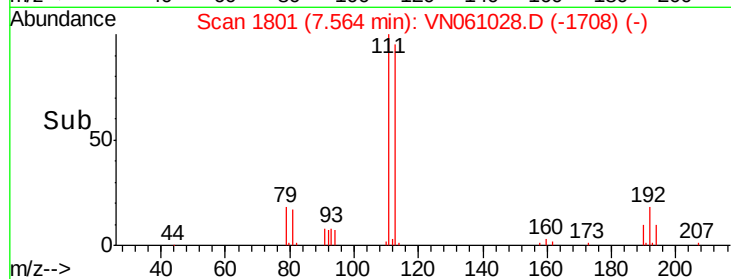
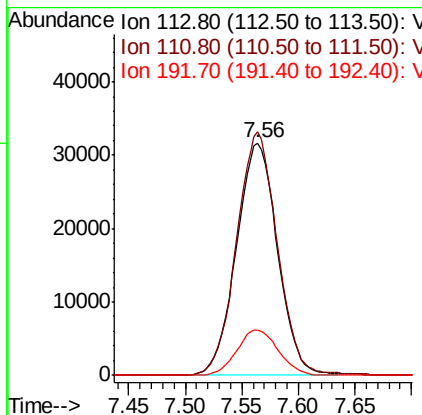
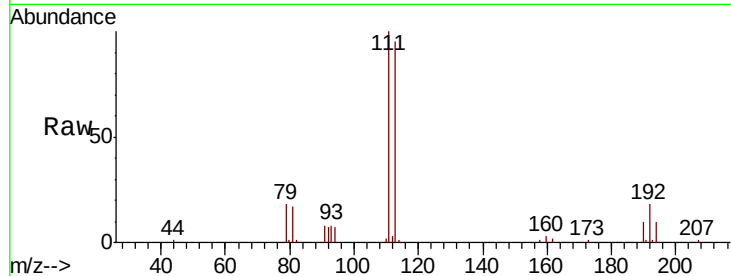




#35
 Dibromofluoromethane
 Concen: 51.493 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

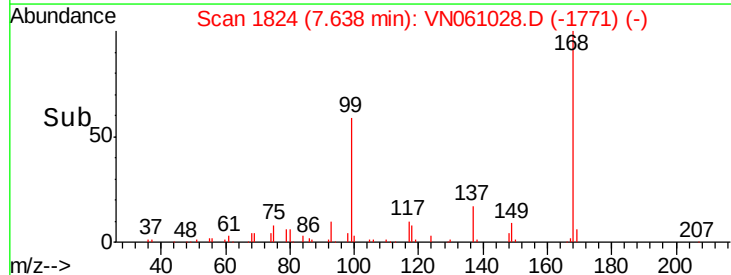
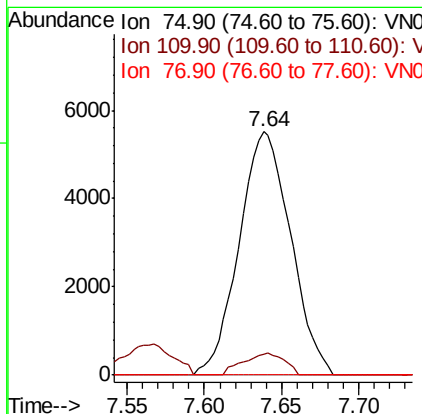
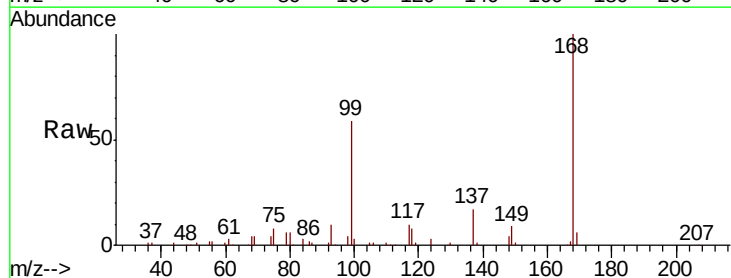
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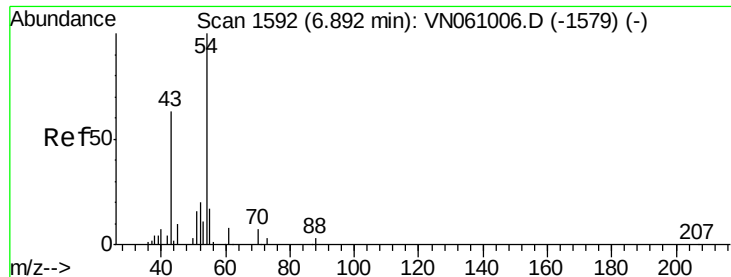
Tot Ion:113 Resp: 80034
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.4 125.2
 192 19.5 15.5 23.3



#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#

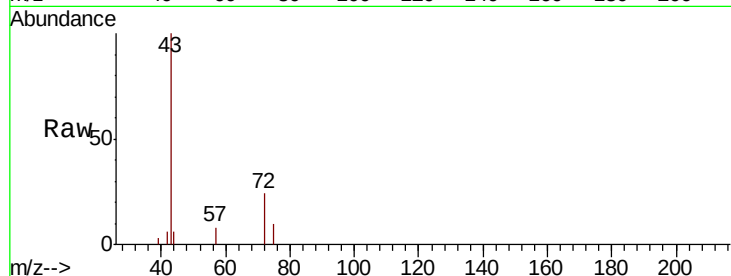




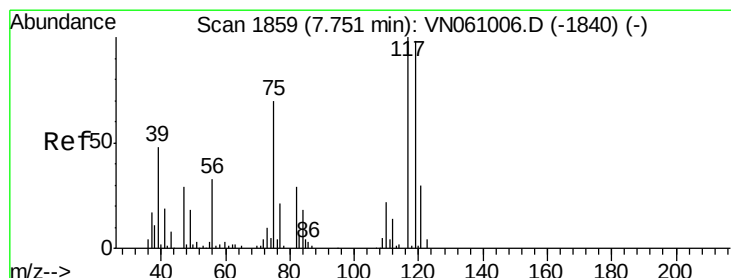
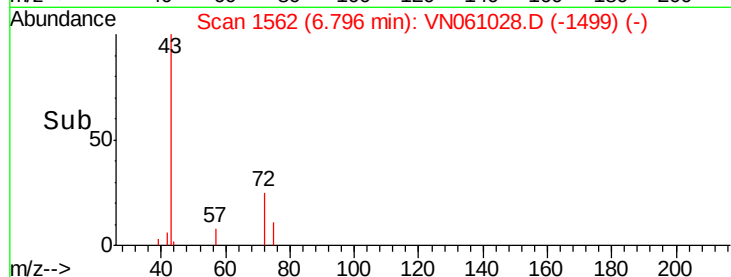
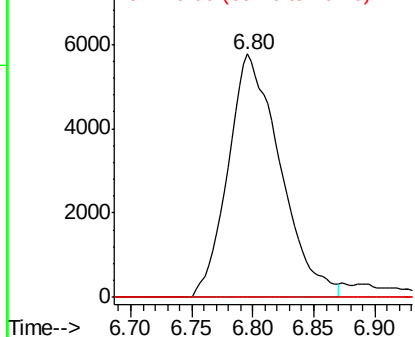
#37
Ethyl Acetate
Concen: 5.747 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampled :

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#

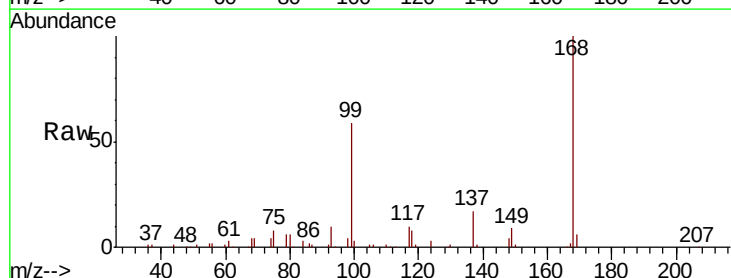


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

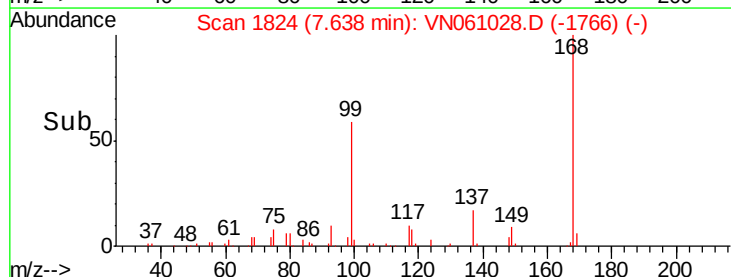
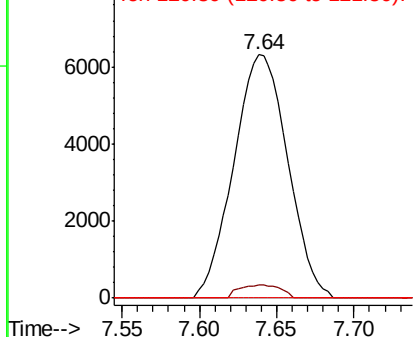


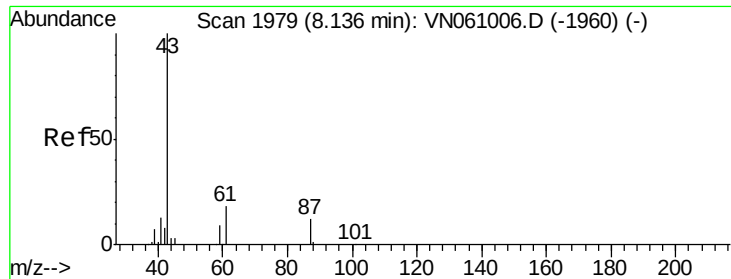
#38
Carbon Tetrachloride
Concen: 6.702 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

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): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#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

ClientSampled :

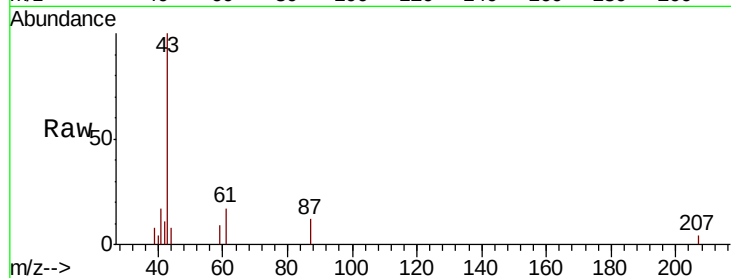
Tot Ion: 43 Resp: 8981

Ion Ratio Lower Upper

43 100

61 17.5 20.3 30.5#

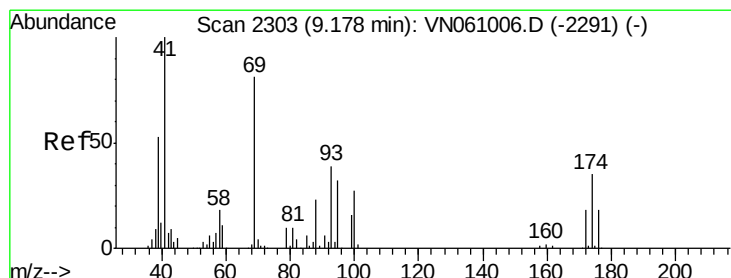
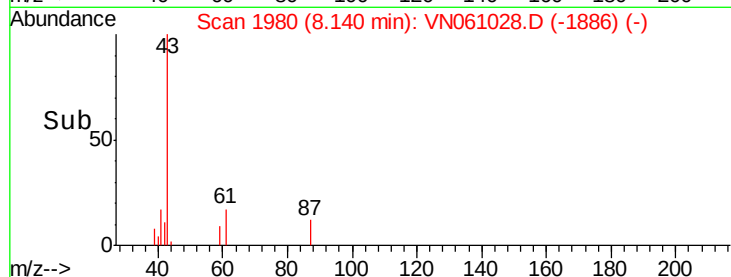
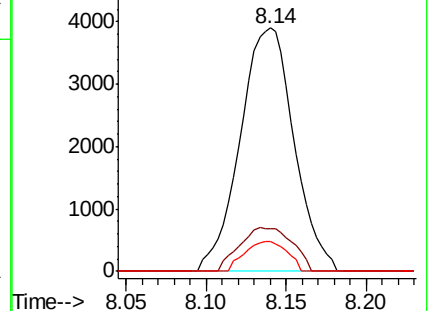
87 9.5 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061006.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061006.D (-1960) (-)



#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

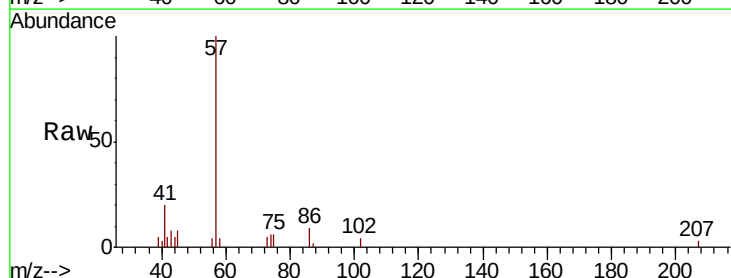
Tgt Ion: 41 Resp: 2639

Ion Ratio Lower Upper

41 100

69 0.0 65.3 97.9#

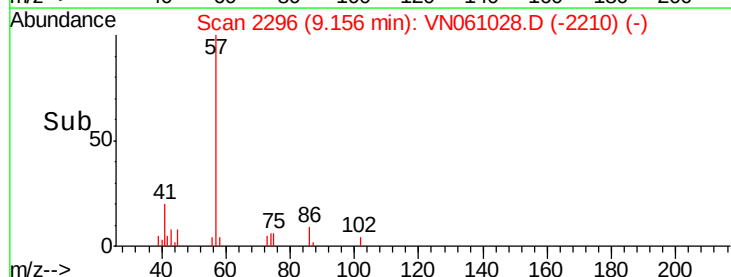
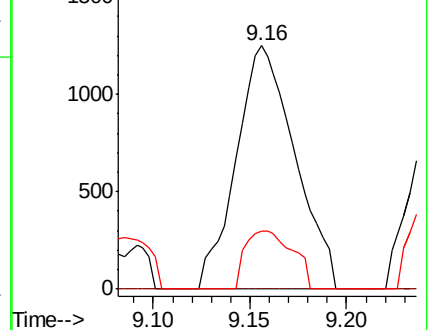
39 19.1 45.2 67.8#

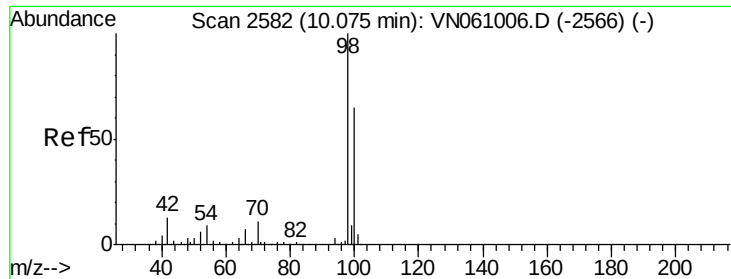


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-2291) (-)

Ion 69.00 (68.70 to 69.70): VN061006.D (-2291) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-2291) (-)

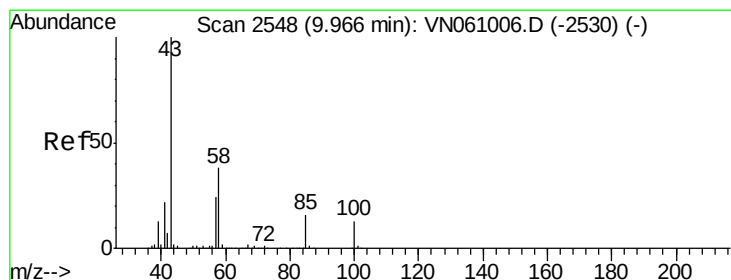
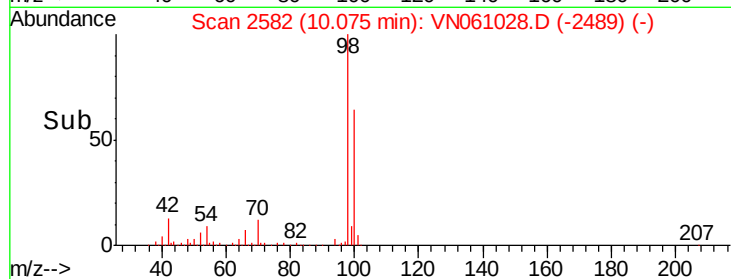
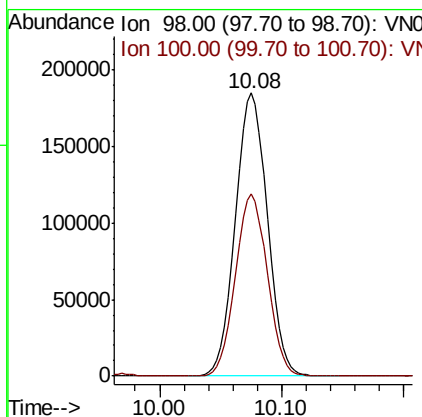
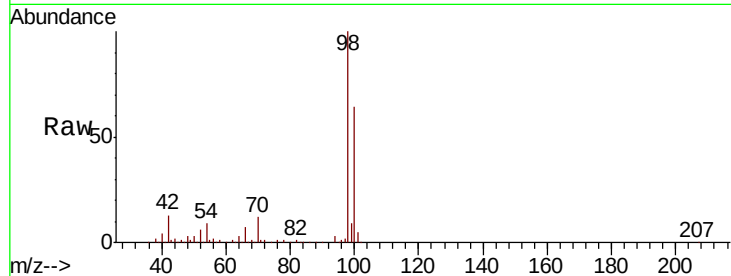




#50
Toluene-d8
Concen: 57.098 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061028.D
Acq: 16 Apr 2020 21:36

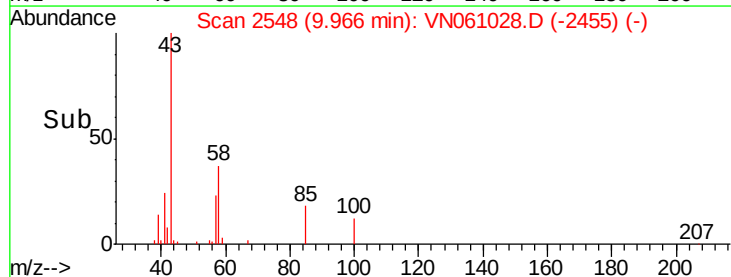
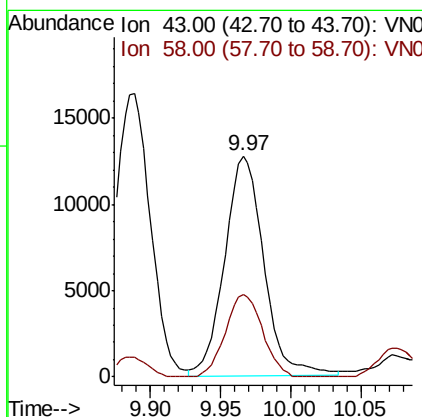
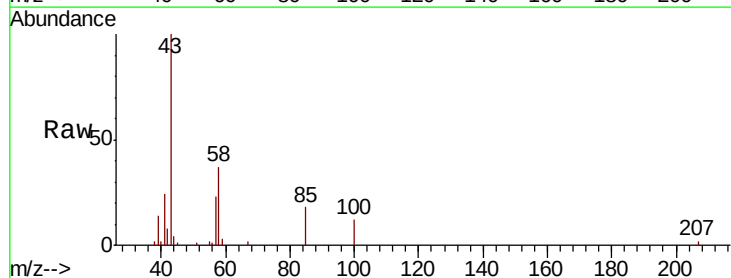
Instrument :
MSVOA_N
ClientSampled :

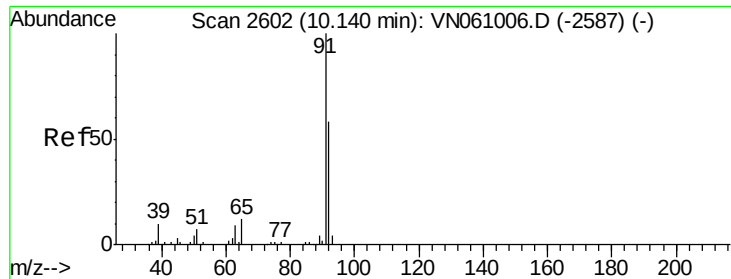
Tot Ion: 98 Resp: 335351
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#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

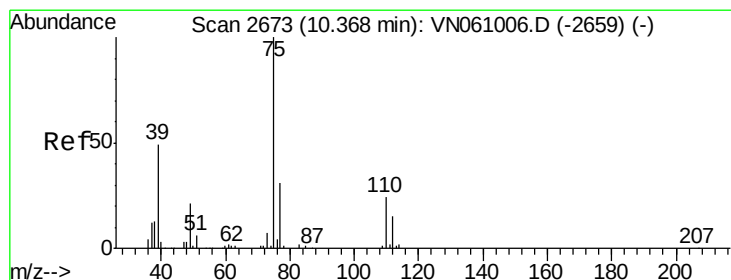
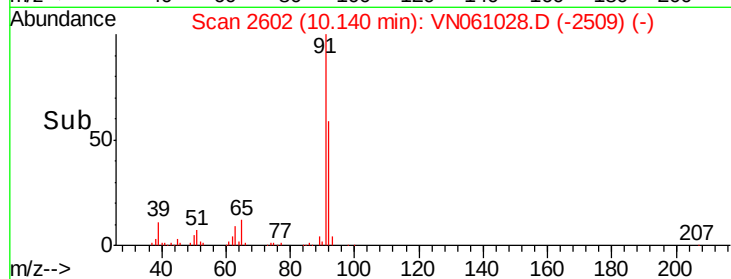
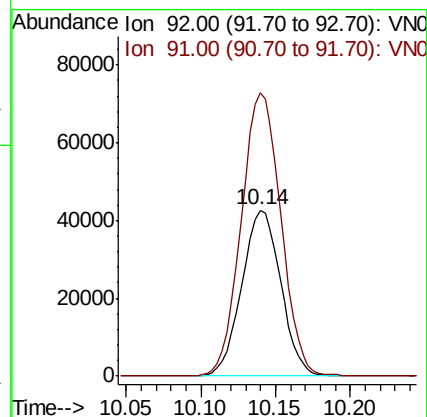
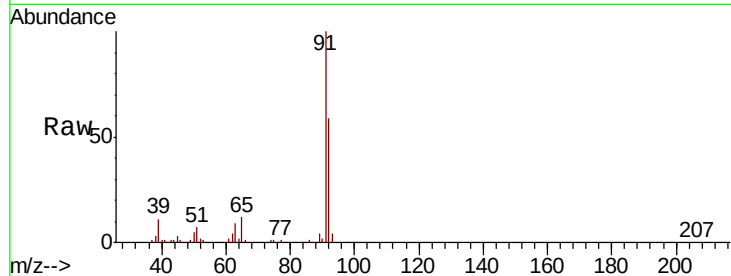
ClientSampleId :

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

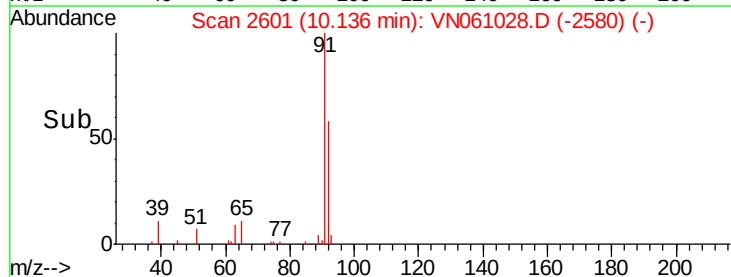
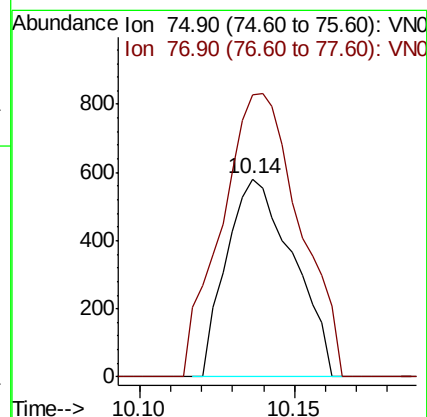
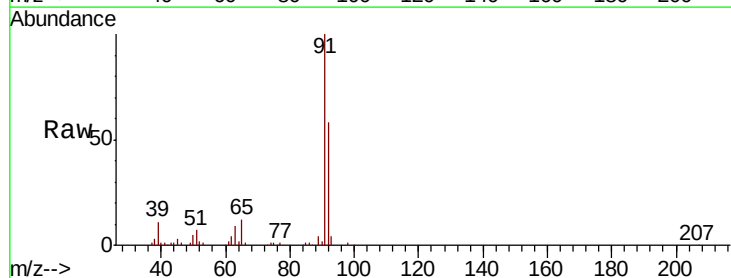
Acq: 16 Apr 2020 21:36

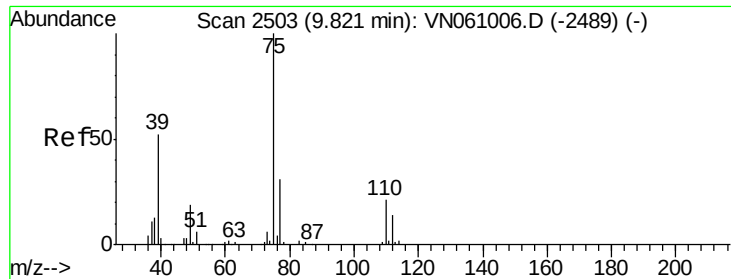
Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

77 142.6 25.0 37.6#



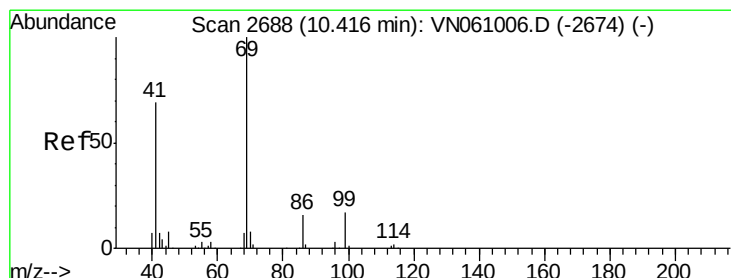
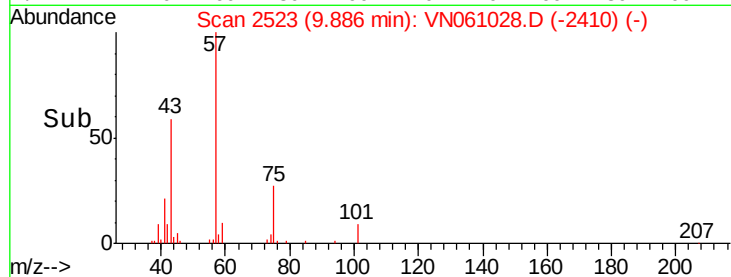
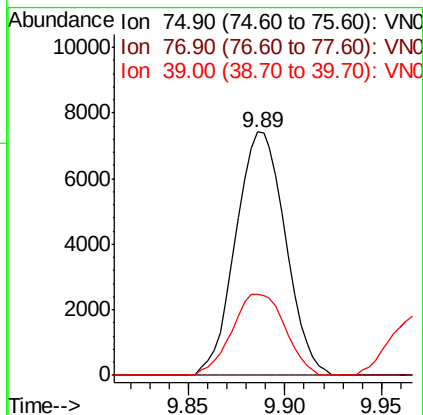
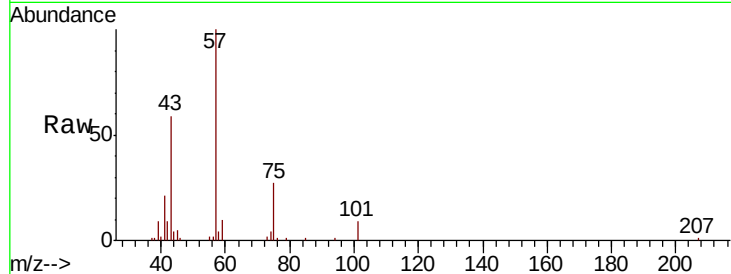


#54

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 :

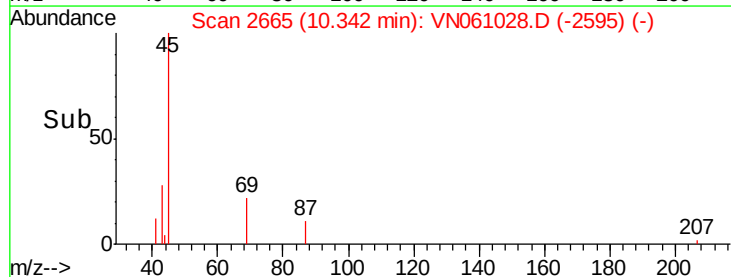
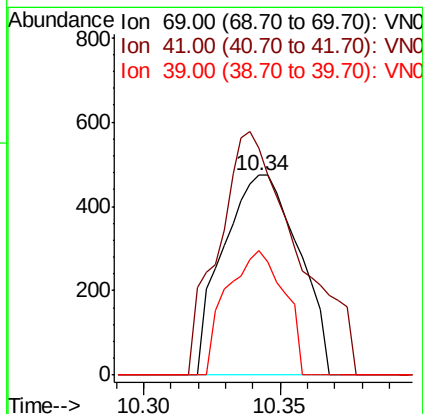
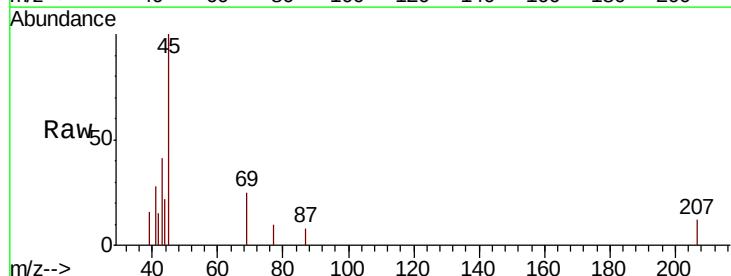
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	33.6	41.4	62.2#

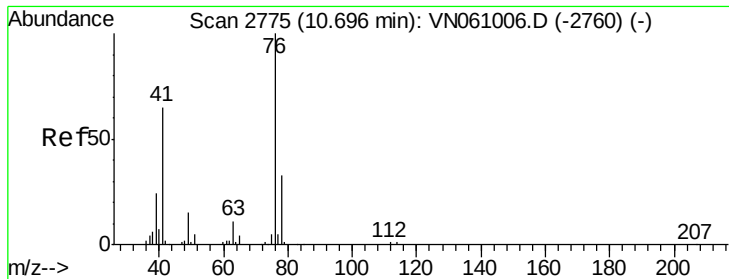


#56

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	Ratio	Lower	Upper
69	100		
41	127.1	56.7	85.1#
39	47.2	29.4	44.0#

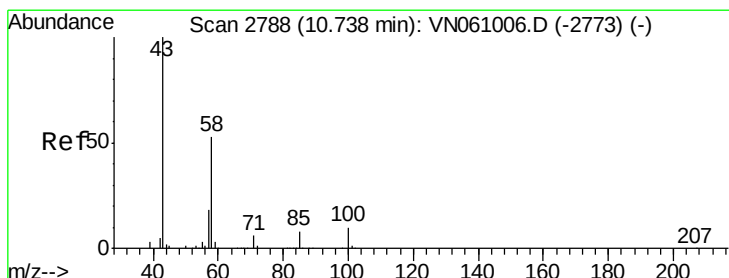
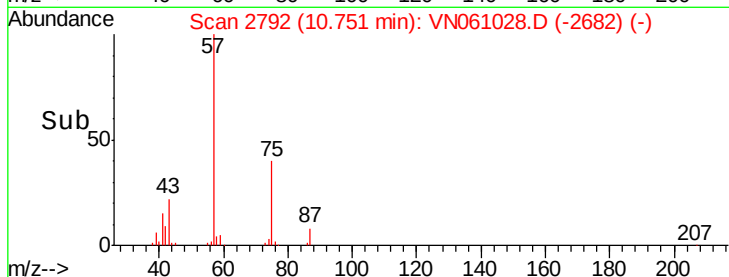
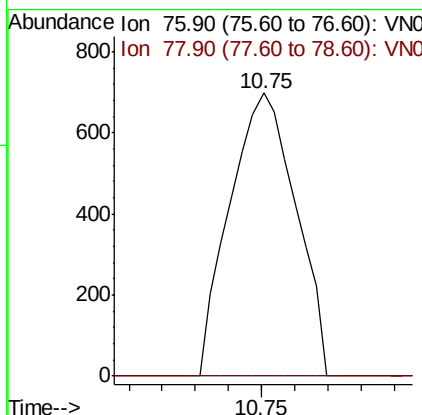
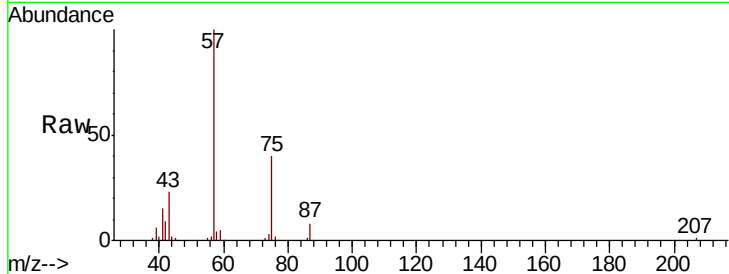




#57
 1,3-Dichloropropane
 Concen: 0.293 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.05 min
 Lab File: VN061028.D
 Acq: 16 Apr 2020 21:36

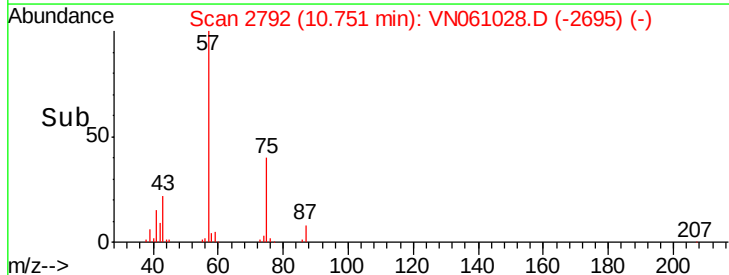
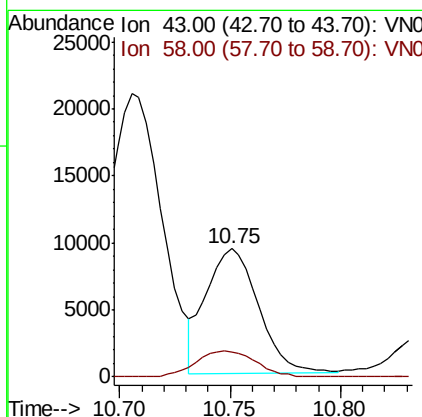
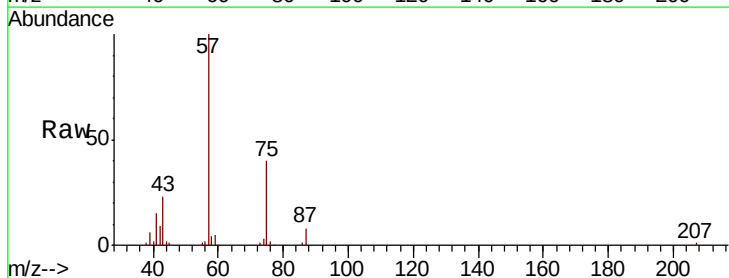
Instrument :
 MSVOA_N
 ClientSampleId :

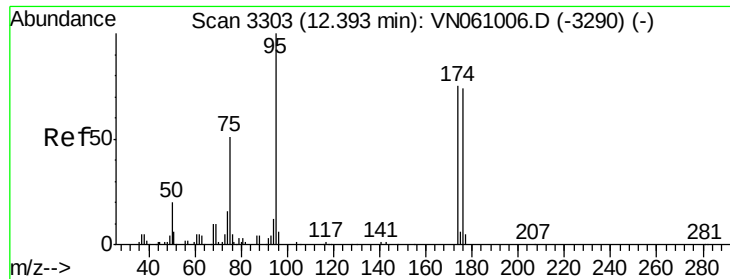
Tot Ion: 76 Resp: 968
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#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

ClientSampled :

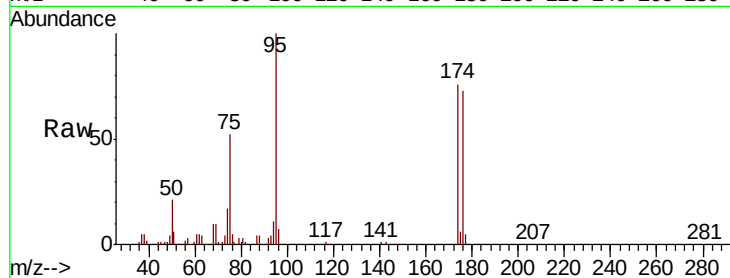
Tot Ion: 95 Resp: 125739

Ion Ratio Lower Upper

95 100

174 76.7 0.0 151.2

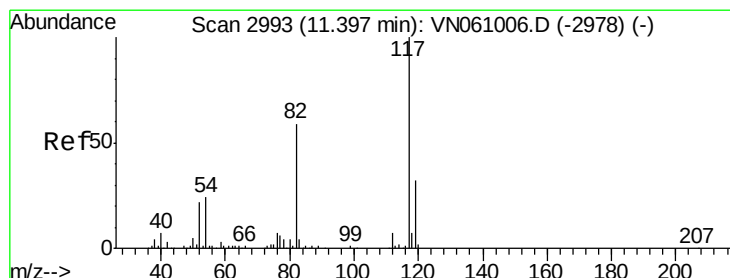
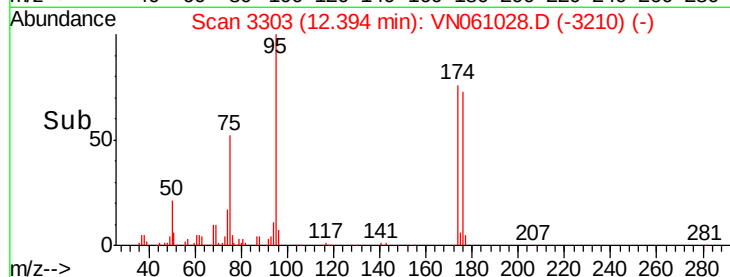
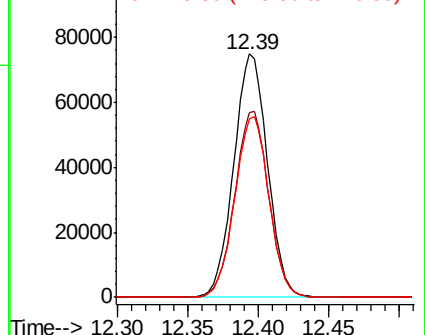
176 75.1 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)



#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

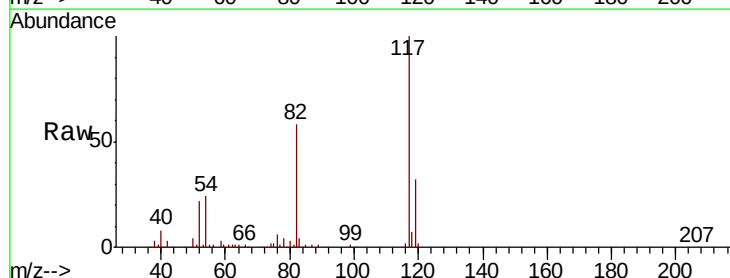
Tgt Ion: 117 Resp: 254178

Ion Ratio Lower Upper

117 100

82 58.3 47.1 70.7

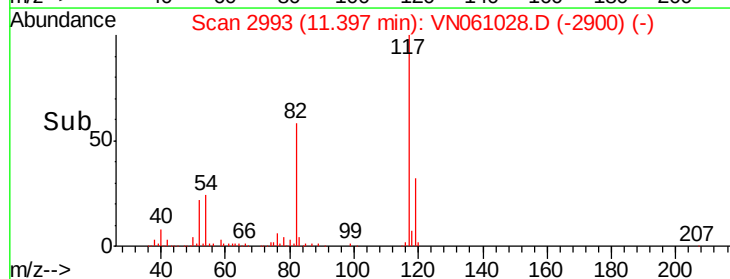
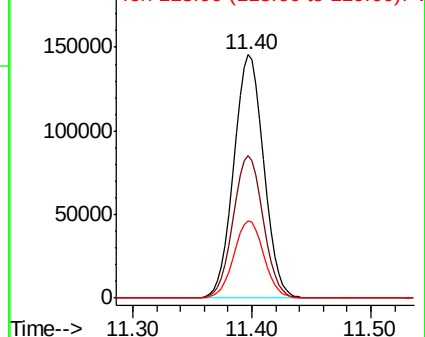
119 31.8 25.7 38.5

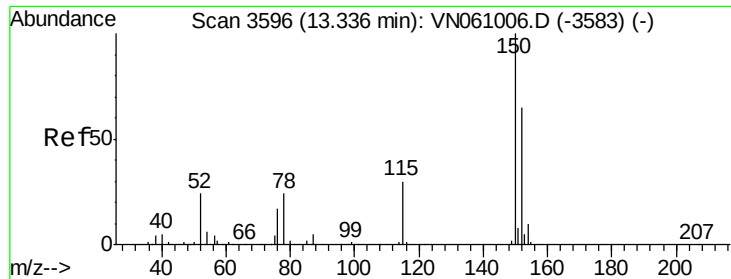


Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061006.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061006.D (-2978) (-)



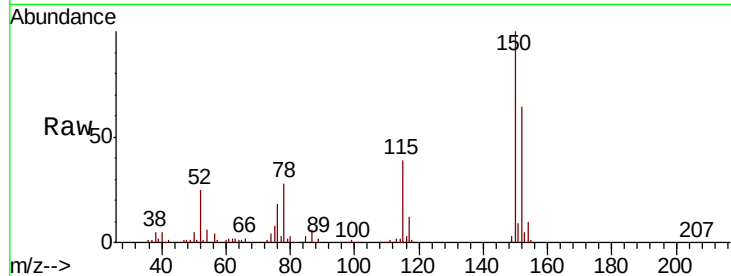


#72

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 :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.8	92.4
150	157.9	0.0	349.0

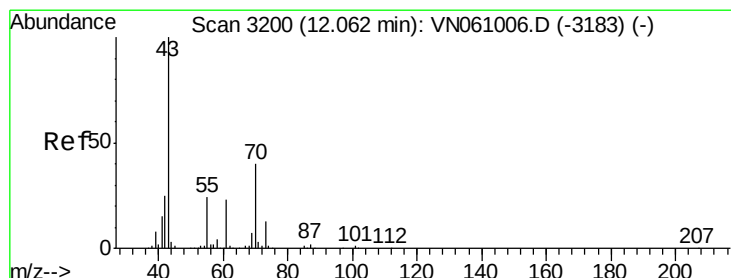
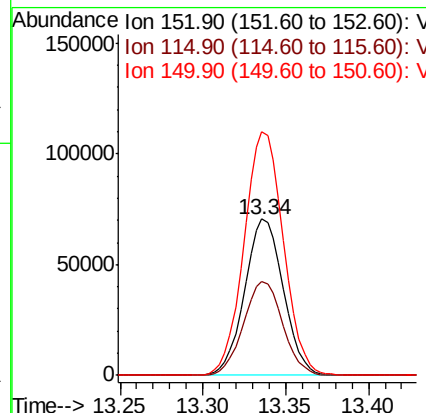
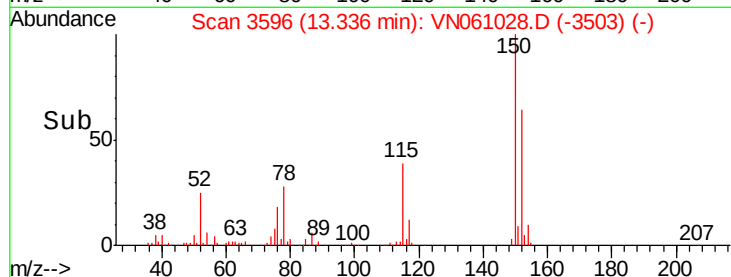


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

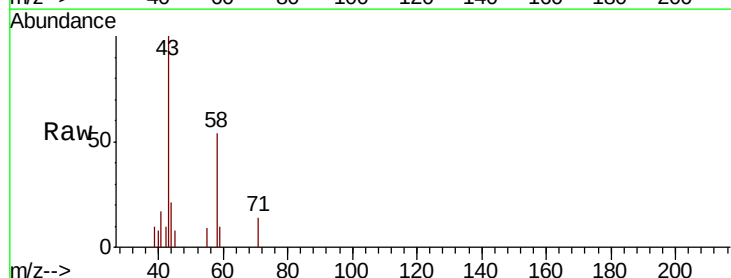
Ion 149.90 (149.60 to 150.60): V



#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	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#



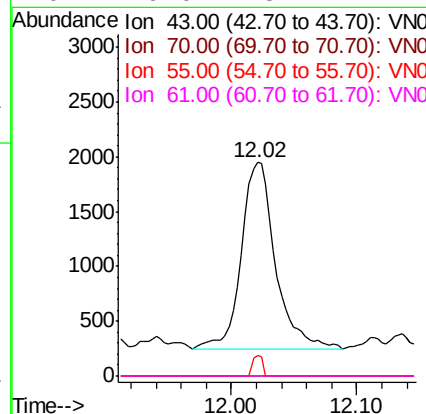
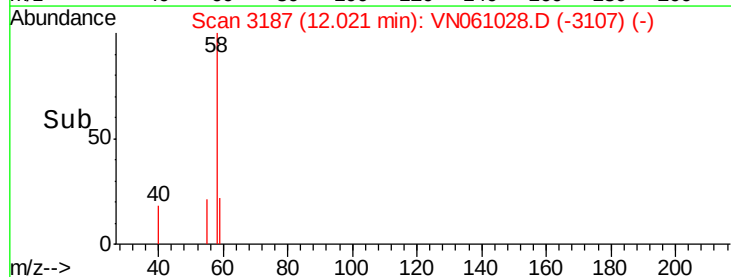
Abundance

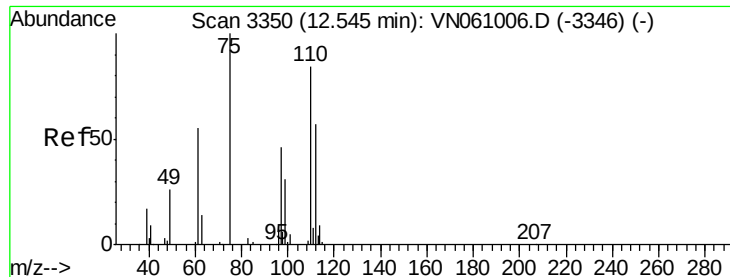
Ion 43.00 (42.70 to 43.70): V

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

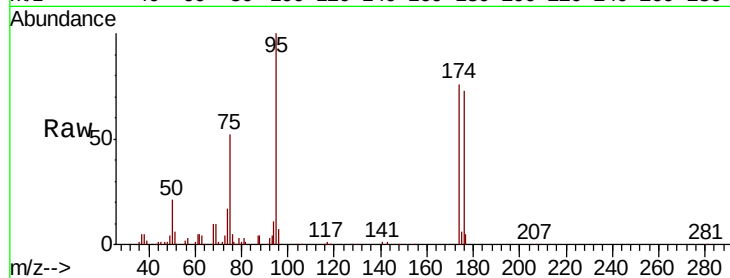
ClientSampled :

Tot Ion: 75 Resp: 65161

Ion Ratio Lower Upper

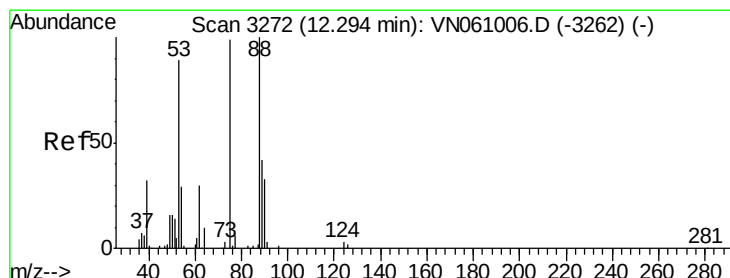
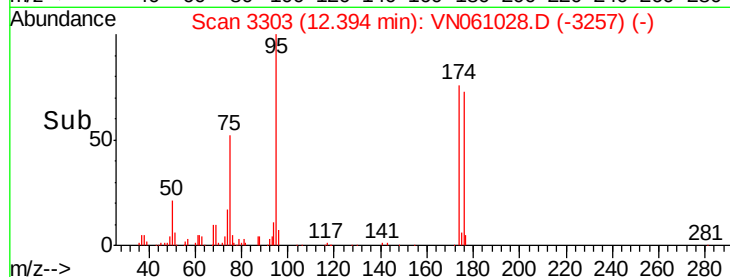
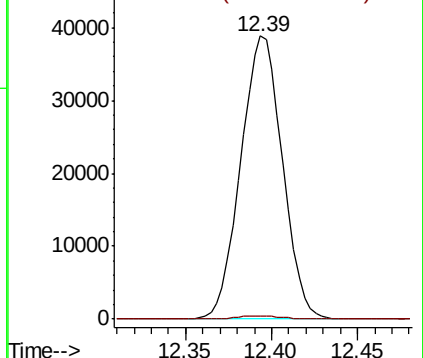
75 100

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

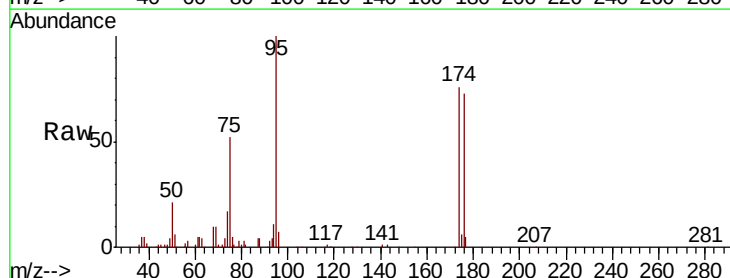
Tgt Ion: 75 Resp: 65161

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

