

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054877.D
 Acq On : 1 Apr 2019 16:23
 Operator : JC/SP
 Sample : K2182-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S8B(10)

Quant Time: Apr 02 04:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

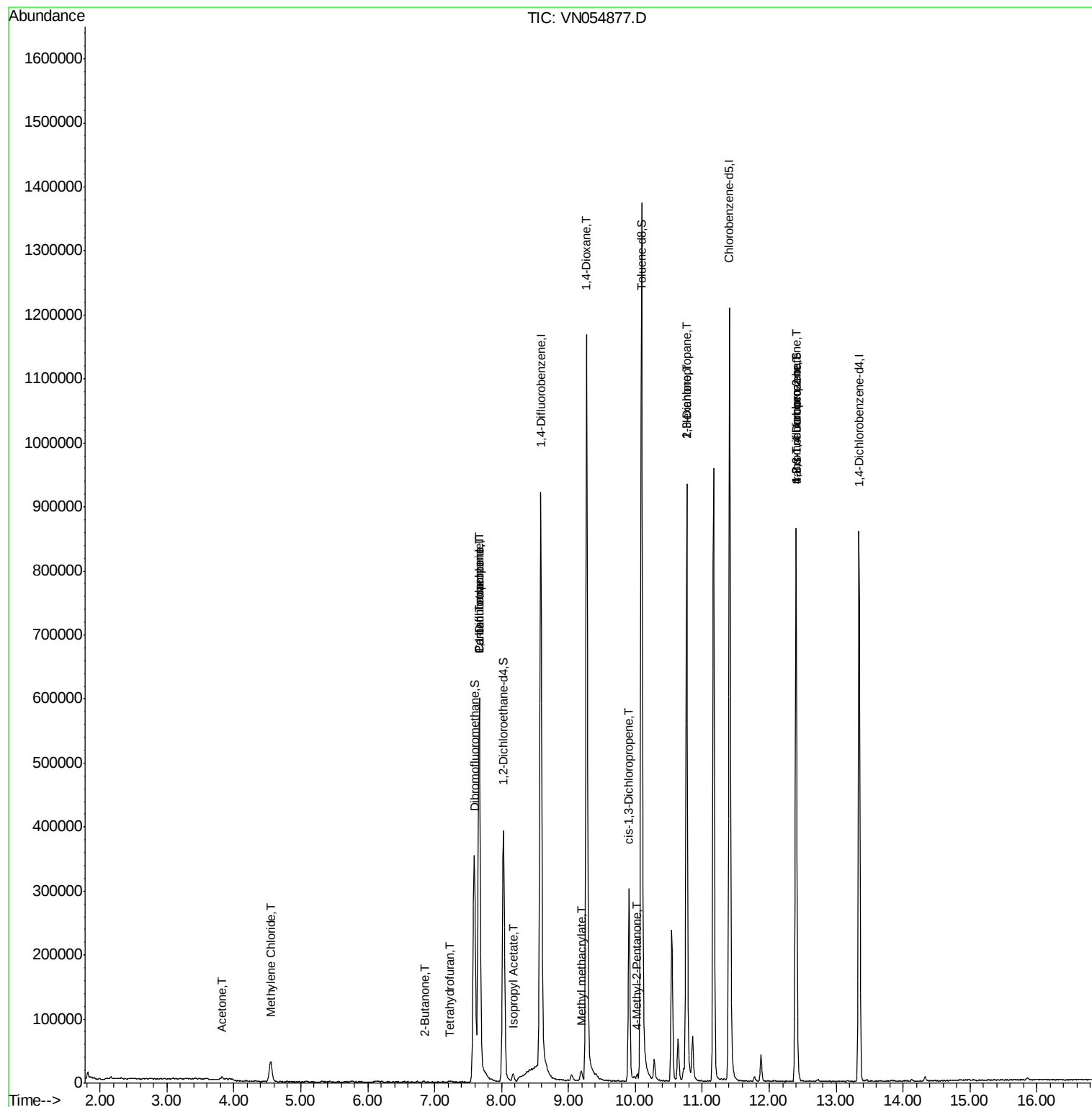
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	522277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	840805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	715501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	337045	47.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.74%	
35) Dibromofluoromethane	7.59	113	271167	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	10.09	98	1019115	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	297139	42.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.74%	
Target Compounds				Qvalue		
16) Acetone	3.82	43	6406	3.816	ug/l	92
18) Methyl Acetate	4.33	43	2513	Below Cal	#	74
20) Methylene Chloride	4.55	84	20805	3.513	ug/l #	85
25) 2-Butanone	6.85	43	689	0.278	ug/l #	46
29) Tetrahydrofuran	7.22	42	1158	0.672	ug/l #	36
31) Cyclohexane	7.66	56	11357	Below Cal	#	21
36) 1,1-Dichloropropene	7.66	75	38847	4.958	ug/l #	49
38) Carbon Tetrachloride	7.66	117	48100	6.321	ug/l #	16
43) Isopropyl Acetate	8.17	43	14243	1.526	ug/l #	94
48) Methyl methacrylate	9.18	41	6069	1.199	ug/l #	11
49) 1,4-Dioxane	9.27	88	155	3.087	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	8549	1.629	ug/l #	36
54) cis-1,3-Dichloropropene	9.91	75	48970	5.831	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	9434	1.106	ug/l #	44
59) 2-Hexanone	10.77	43	153890	45.801	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.40	83	110	Below Cal	#	32
76) 1,2,3-Trichloropropane	12.40	75	156242	39.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156242	152.287	ug/l #	11

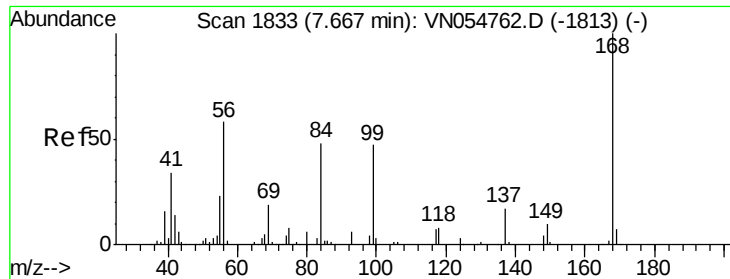
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampled :

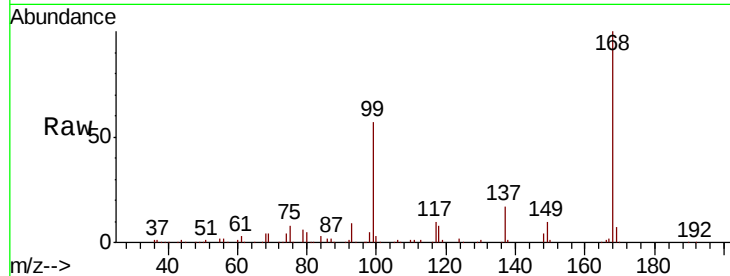
S8B(10)

Tot Ion:168 Resp: 522277

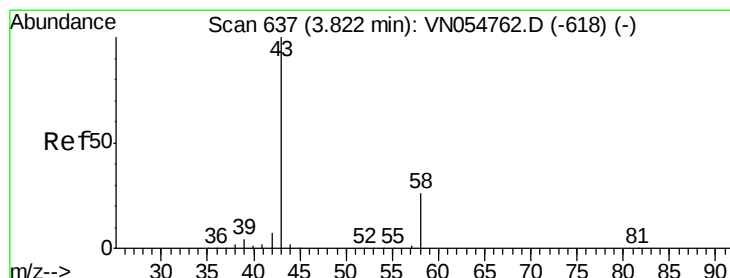
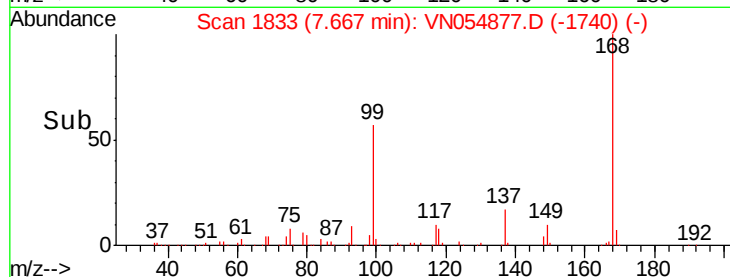
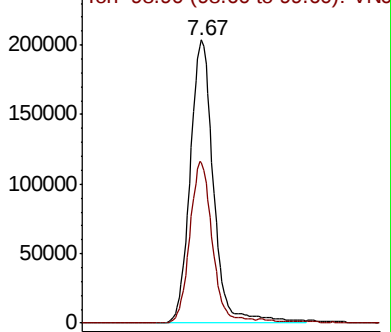
Ion Ratio Lower Upper

168 100

99 56.8 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054877.D (-1740) (-)



#16

Acetone

Concen: 3.816 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054877.D

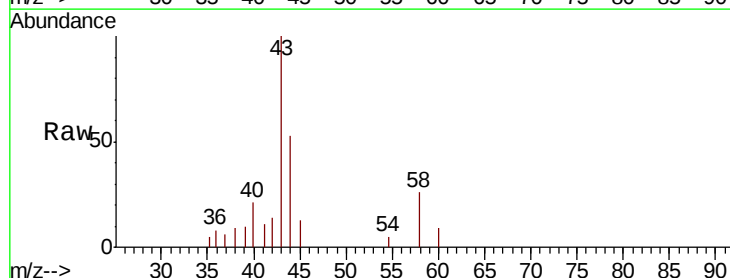
Acq: 1 Apr 2019 16:23

Tgt Ion: 43 Resp: 6406

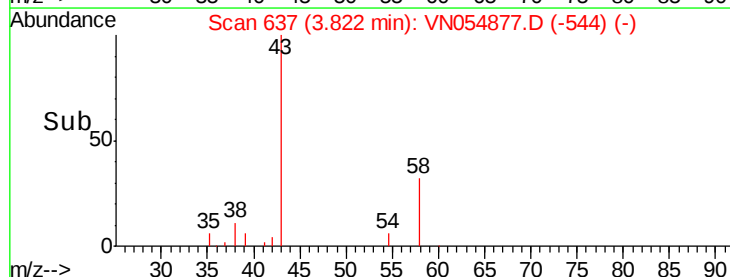
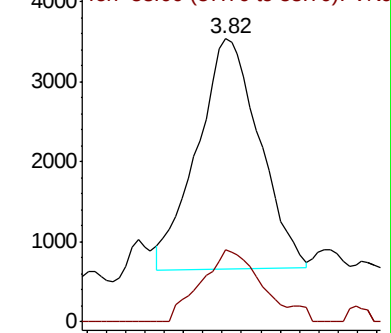
Ion Ratio Lower Upper

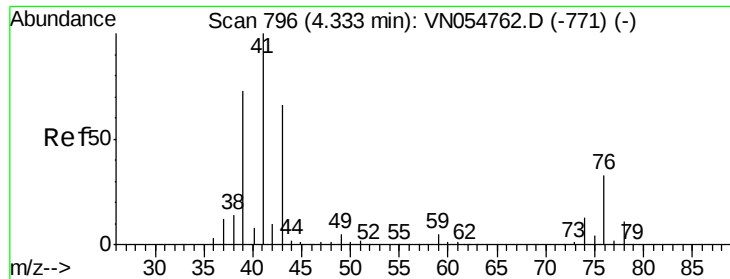
43 100

58 32.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054877.D (-544) (-)

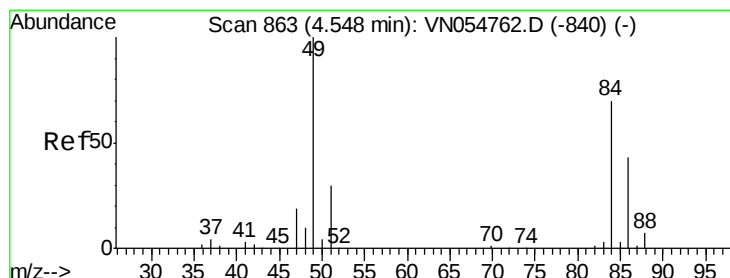
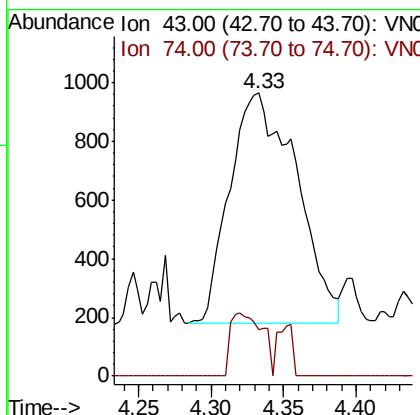
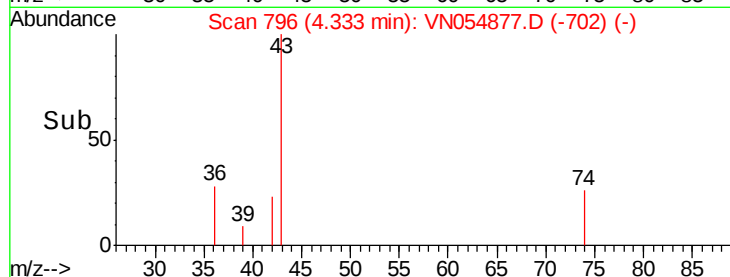
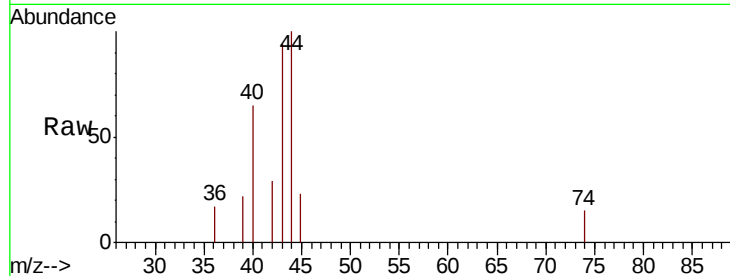




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

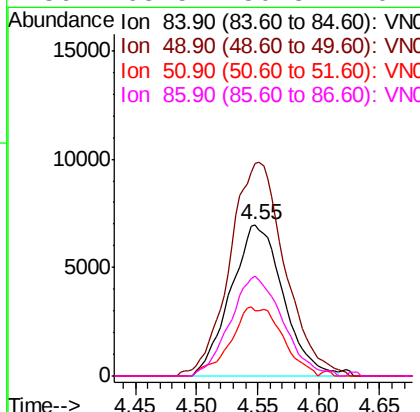
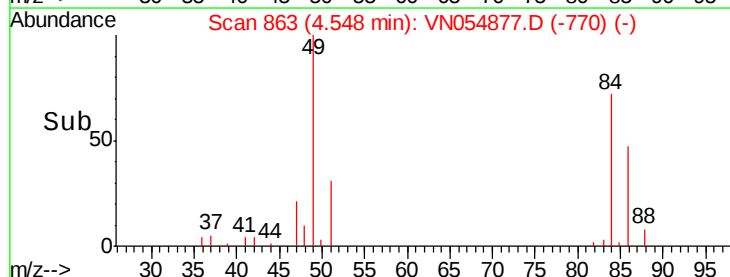
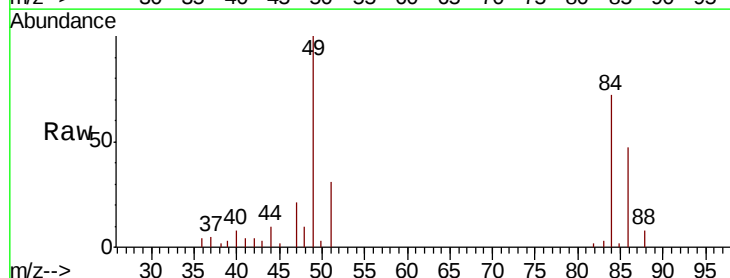
Instrument :
MSVOA_N
ClientSampleId :
S8B(10)

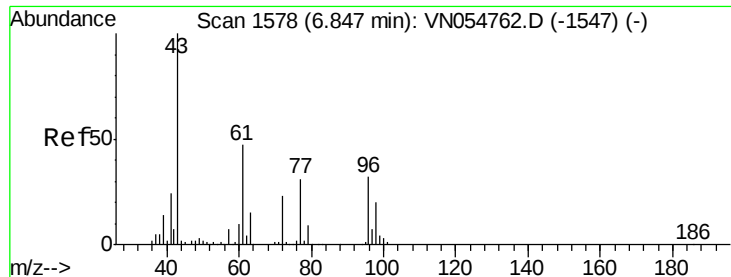
Tot Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
74 12.9 20.8 31.2#



#20
Methylene Chloride
Concen: 3.513 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

Tgt Ion: 84 Resp: 20805
Ion Ratio Lower Upper
84 100
49 136.2 89.7 134.5#
51 43.3 28.2 42.4#
86 65.5 50.8 76.2

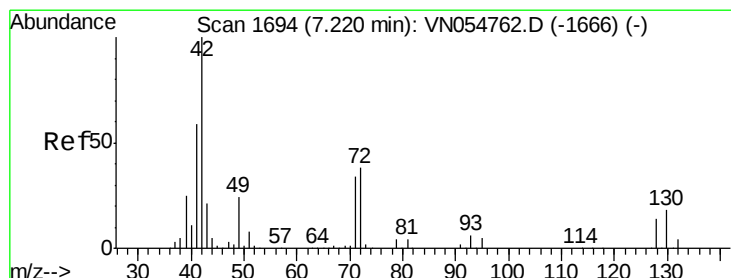
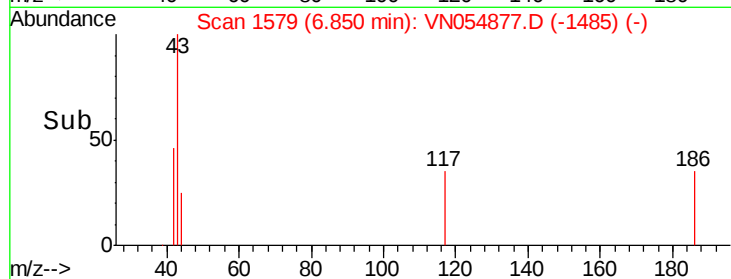
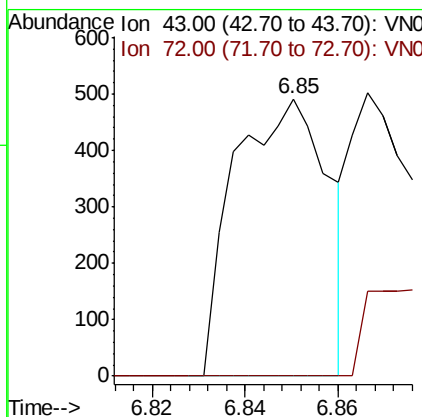
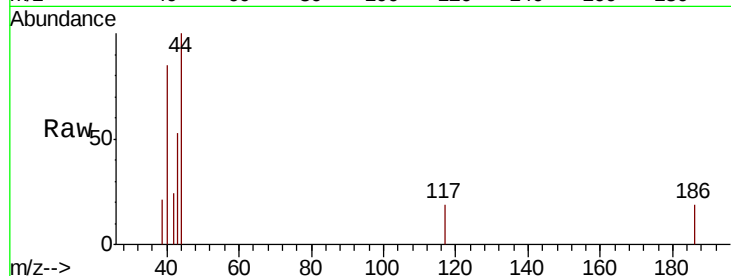




#25
2-Butanone
Concen: 0.278 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

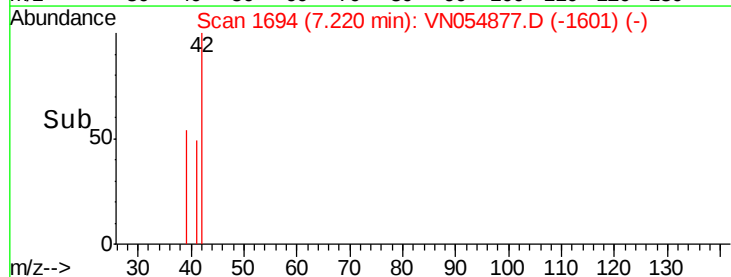
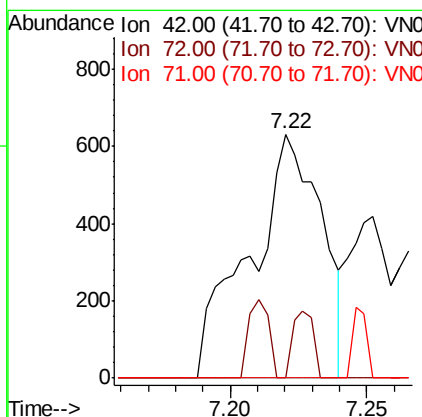
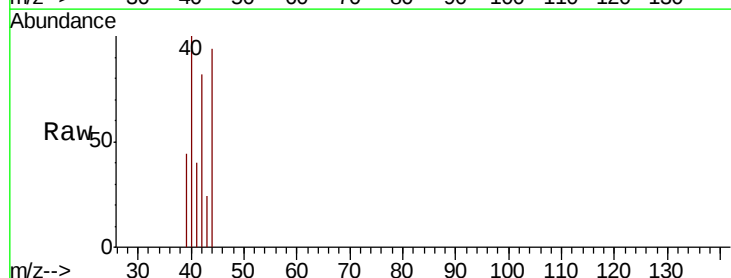
Instrument :
MSVOA_N
ClientSampleId :
S8B(10)

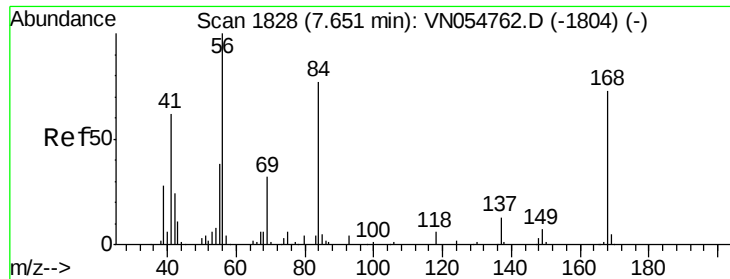
Tot Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.672 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

Tgt Ion: 42 Resp: 1158
Ion Ratio Lower Upper
42 100
72 8.0 37.8 56.6#
71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

S8B(10)

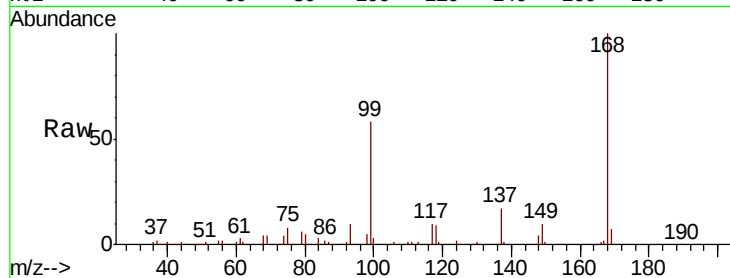
Tot Ion: 56 Resp: 11357

Ion Ratio Lower Upper

56 100

69 157.6 27.8 41.6#

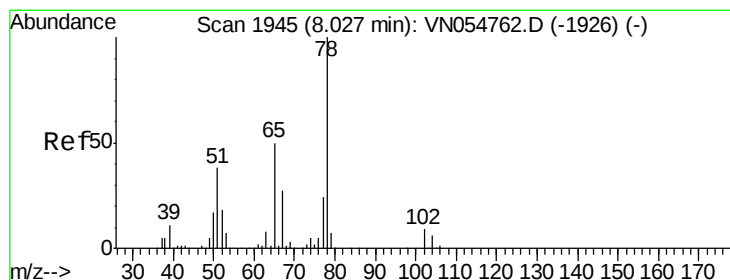
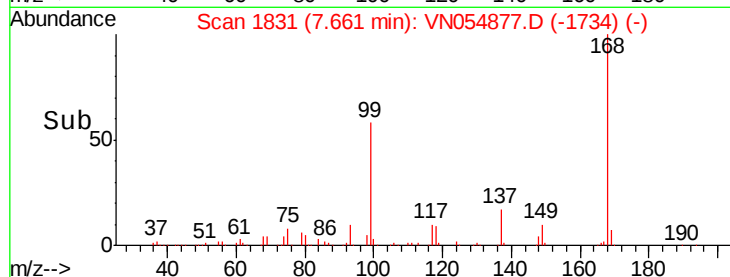
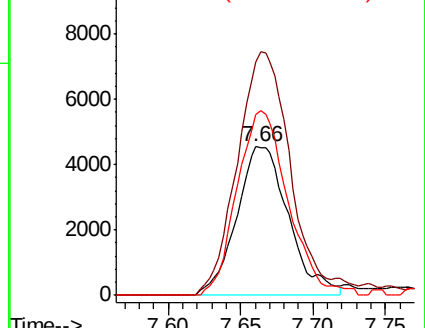
84 121.8 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.873 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054877.D

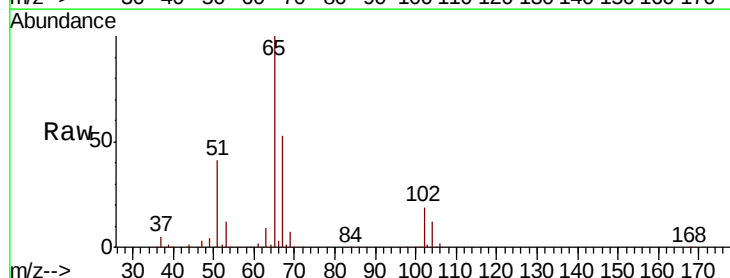
Acq: 1 Apr 2019 16:23

Tgt Ion: 65 Resp: 337045

Ion Ratio Lower Upper

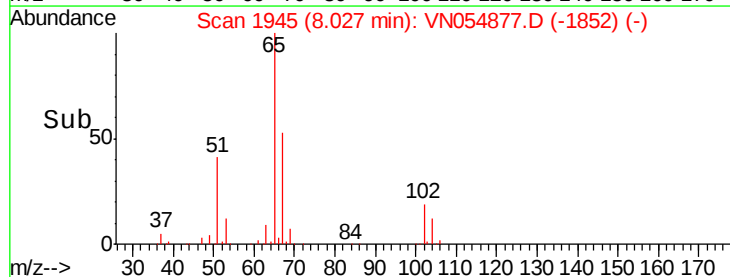
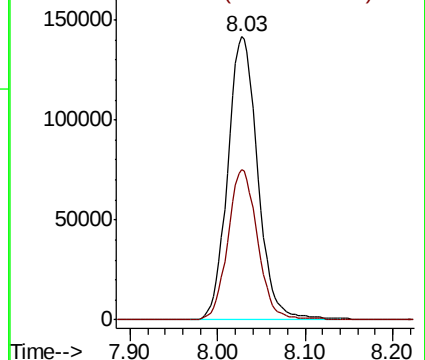
65 100

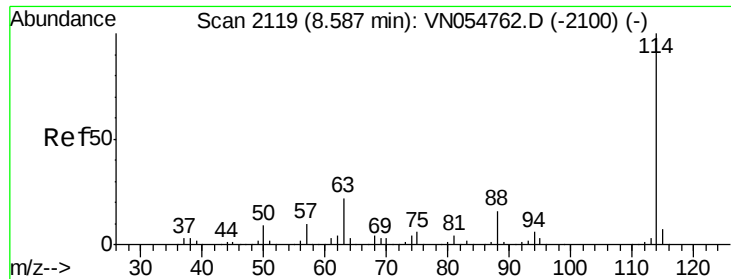
67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

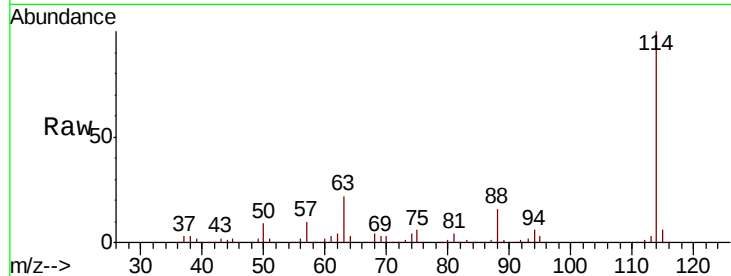




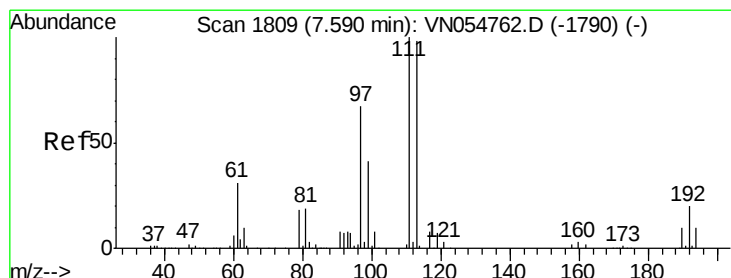
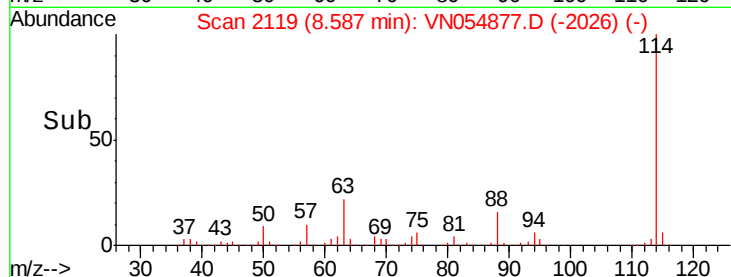
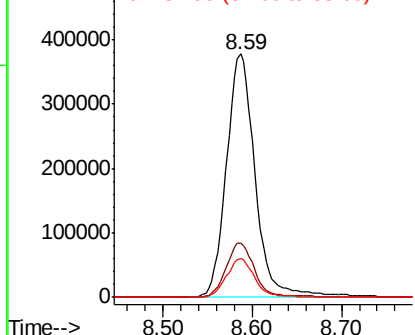
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054877.D
 Acq: 1 Apr 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 S8B(10)

Tot Ion:114 Resp: 840805
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 15.9 0.0 30.2

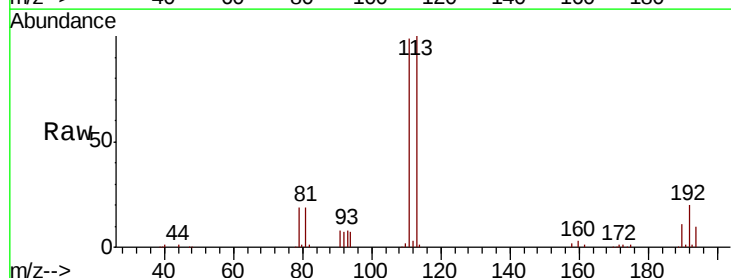


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

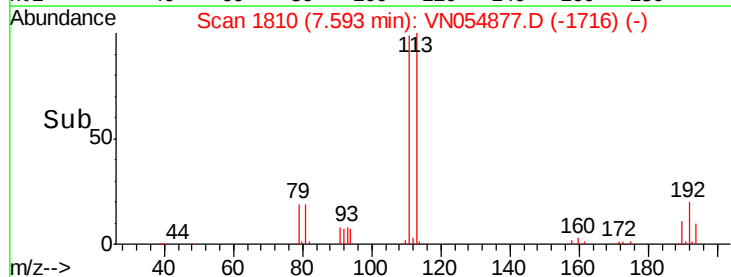
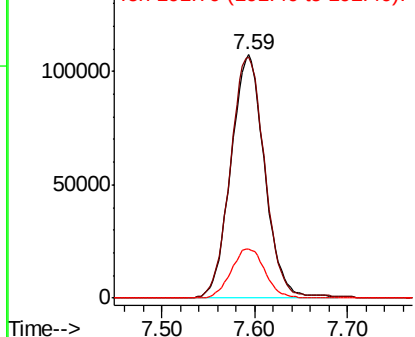


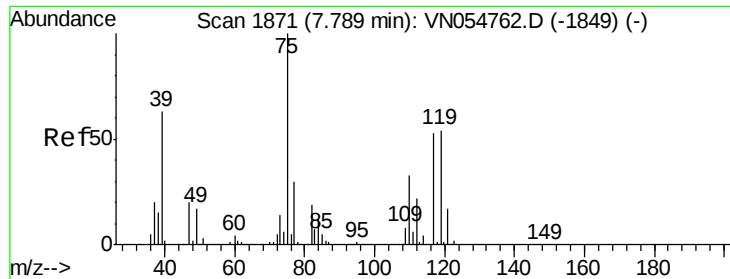
#35
 Dibromofluoromethane
 Concen: 48.375 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054877.D
 Acq: 1 Apr 2019 16:23

Tgt Ion:113 Resp: 271167
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.4
 192 20.3 19.2 28.8



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: 4.958 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

S8B(10)

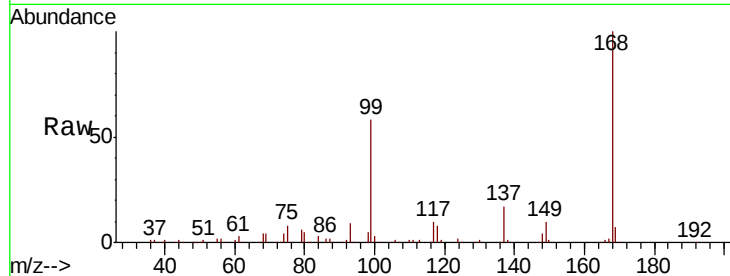
Tot Ion: 75 Resp: 38847

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054877.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054877.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054877.D (-1778) (-)

7.66

15000

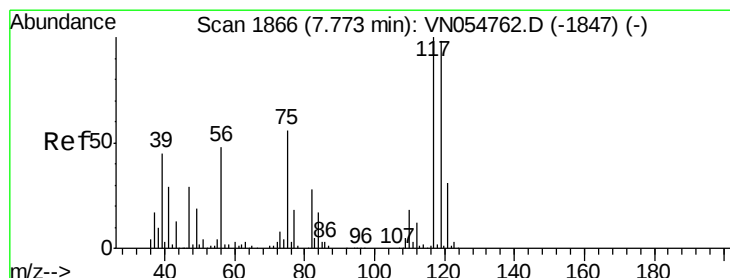
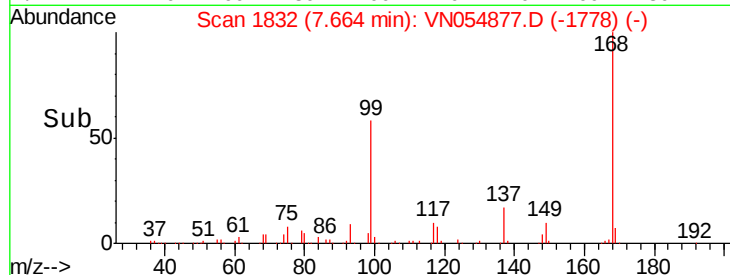
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

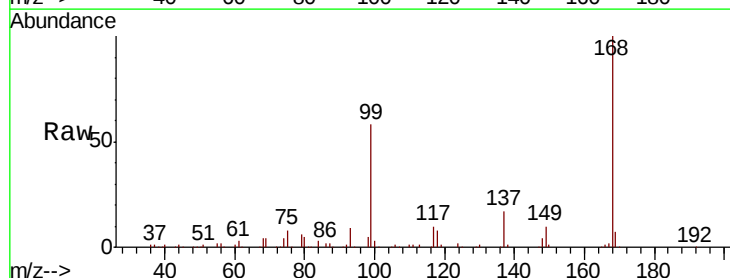
Tgt Ion: 117 Resp: 48100

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN054877.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054877.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054877.D (-1773) (-)

7.66

25000

20000

15000

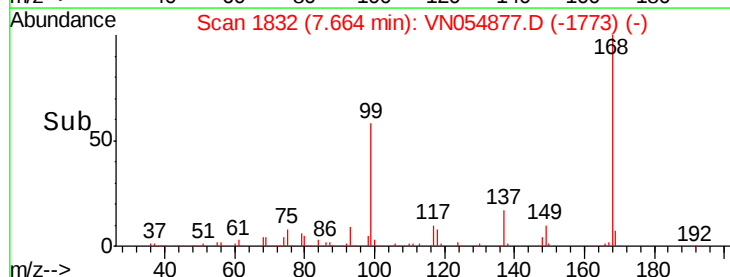
10000

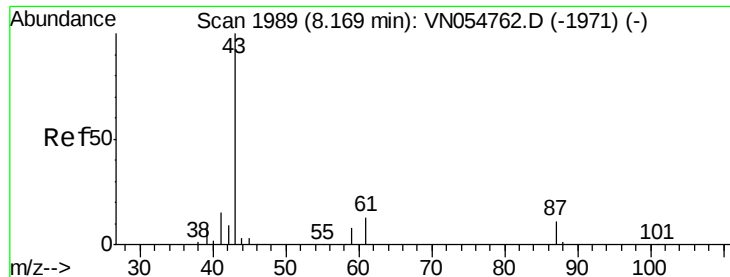
5000

0

7.60 7.65 7.70 7.75

Time-->





#43

Isopropyl Acetate

Concen: 1.526 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

S8B(10)

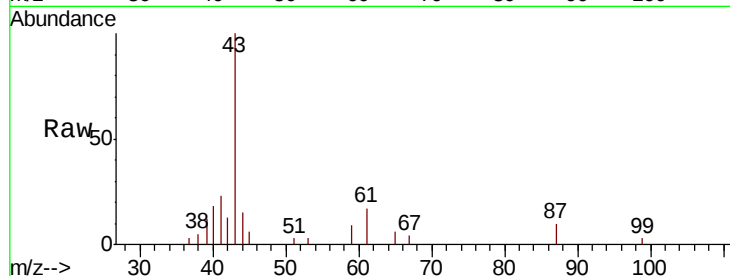
Tot Ion: 43 Resp: 14243

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.8

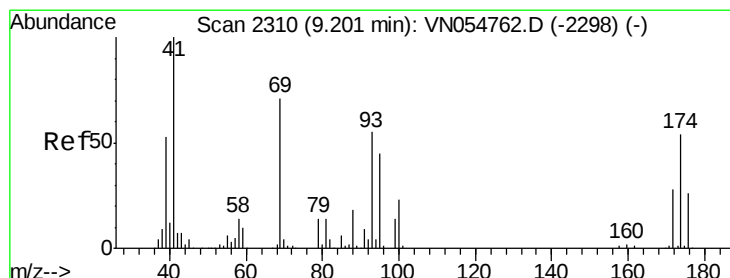
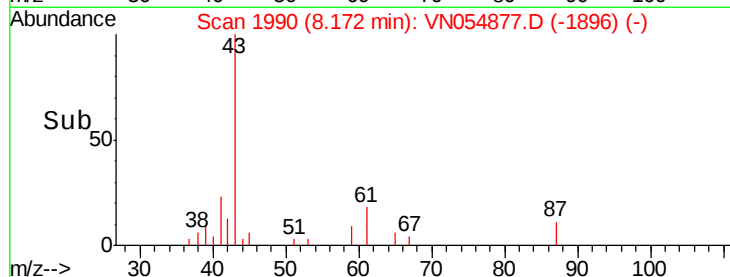
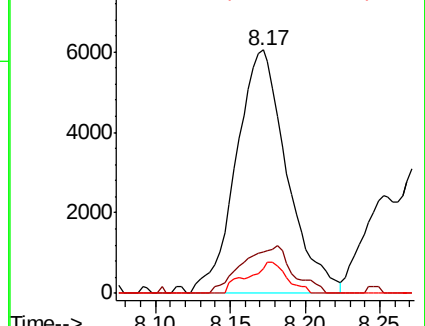
87 9.8 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.199 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

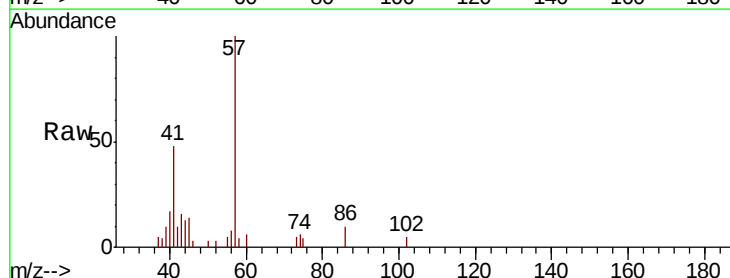
Tgt Ion: 41 Resp: 6069

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

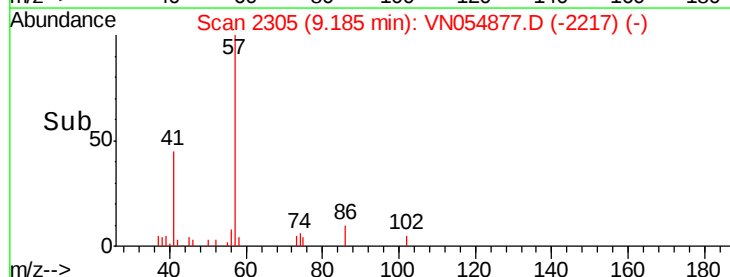
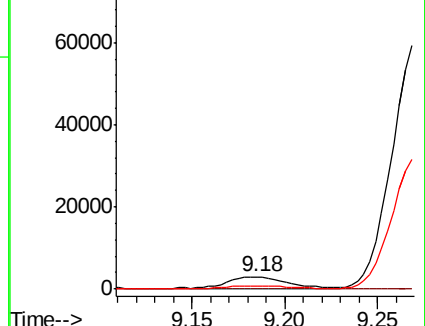
39 0.0 47.5 71.3#

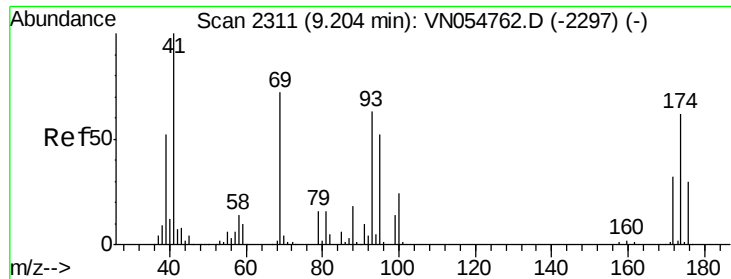


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 3.087 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

S8B(10)

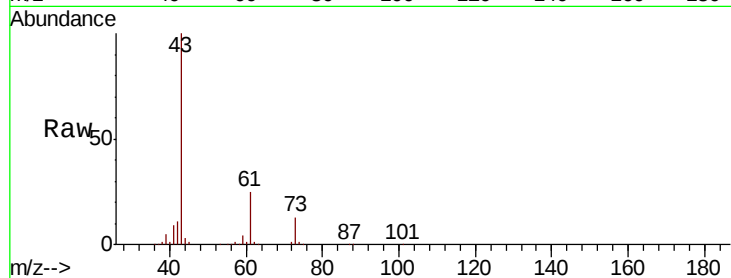
Tot Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 823083.9 24.1 36.1#

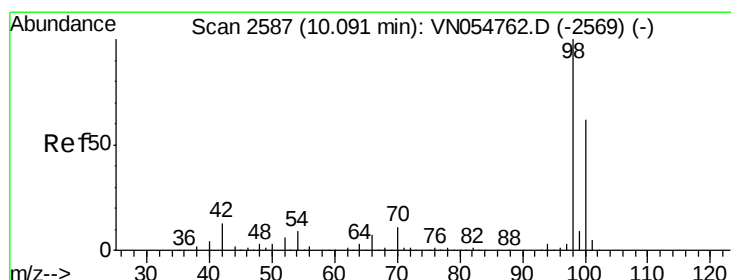
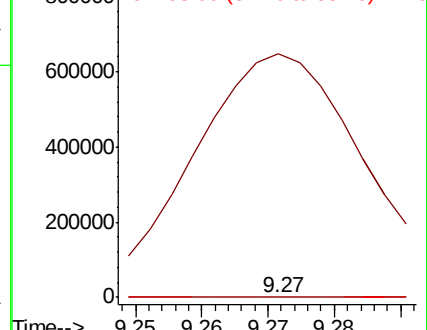
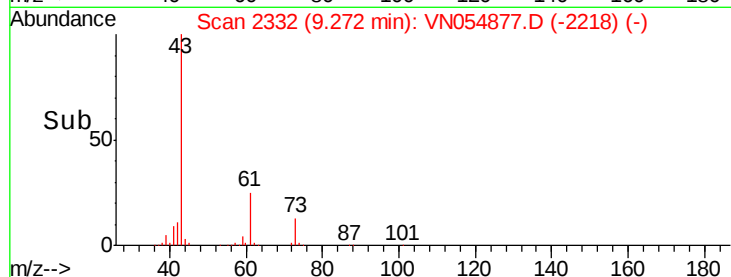
58 3649.7 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.901 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054877.D

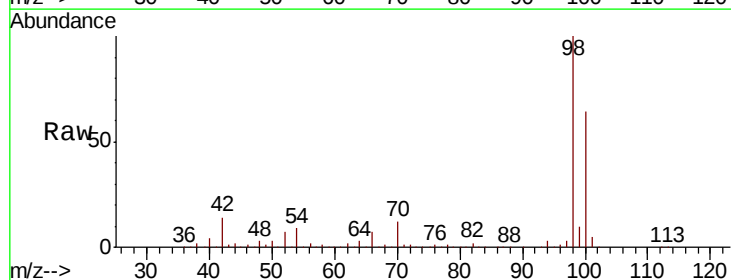
Acq: 1 Apr 2019 16:23

Tgt Ion: 98 Resp: 1019115

Ion Ratio Lower Upper

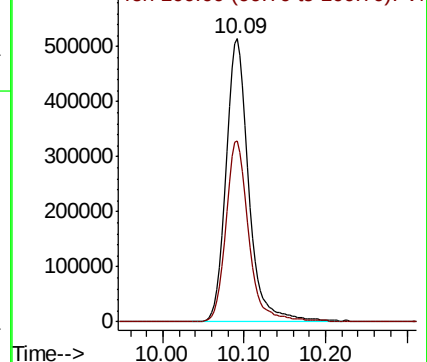
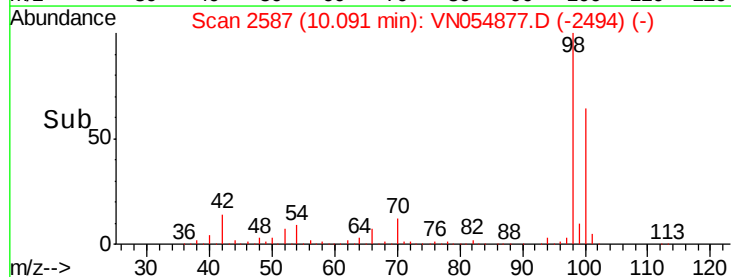
98 100

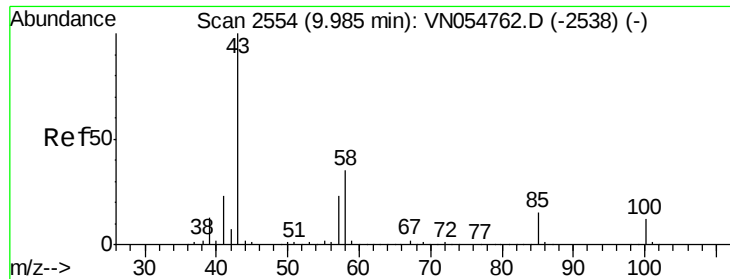
100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.629 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampled :

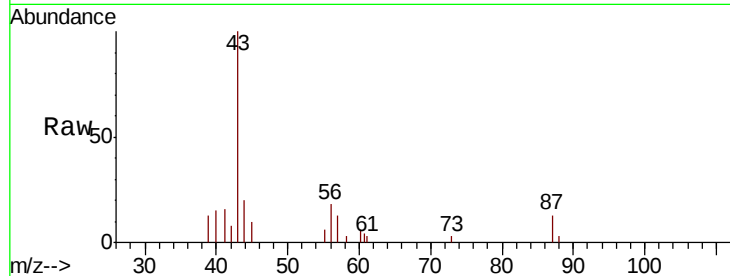
S8B(10)

Tot Ion: 43 Resp: 8549

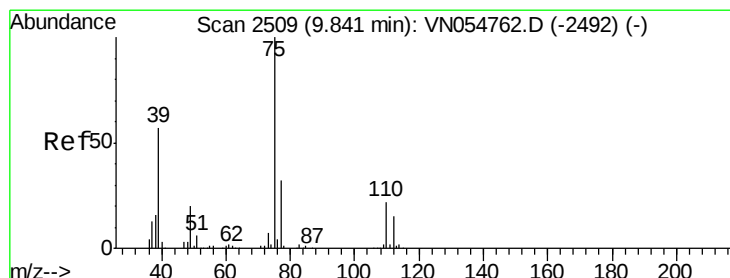
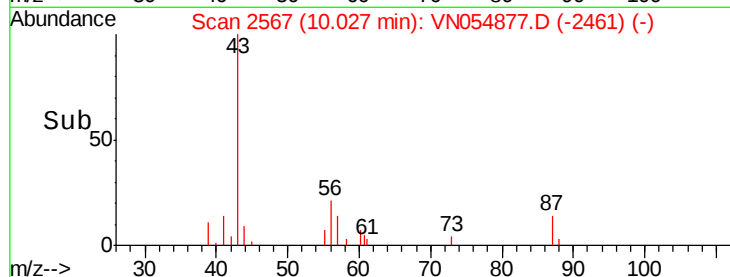
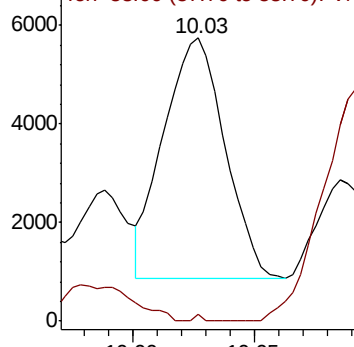
Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#54

cis-1,3-Dichloropropene

Concen: 5.831 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

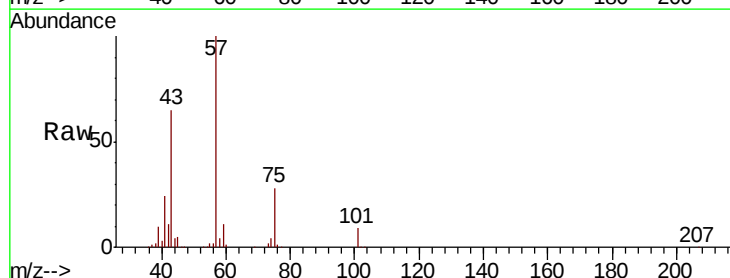
Tgt Ion: 75 Resp: 48970

Ion Ratio Lower Upper

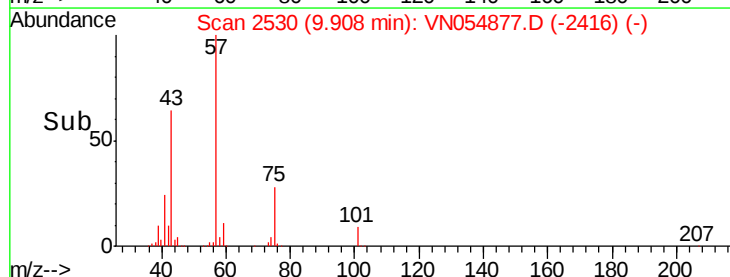
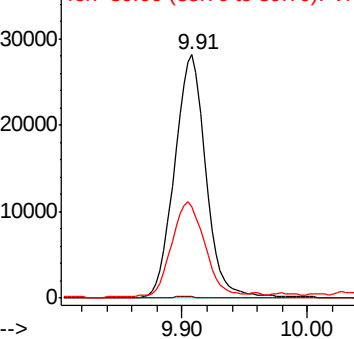
75 100

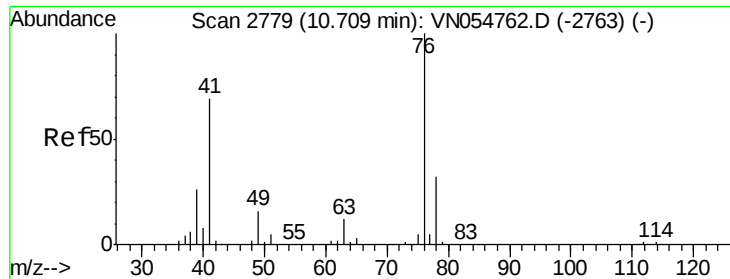
77 0.7 25.4 38.0#

39 36.7 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.106 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

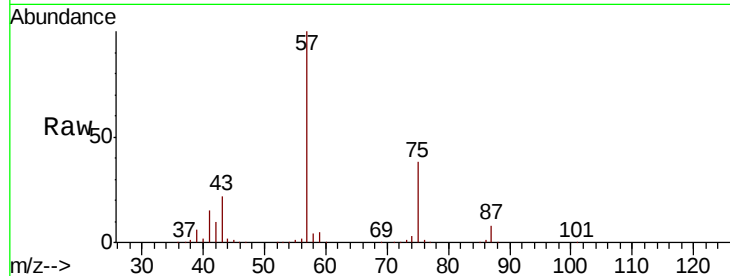
S8B(10)

Tot Ion: 76 Resp: 9434

Ion Ratio Lower Upper

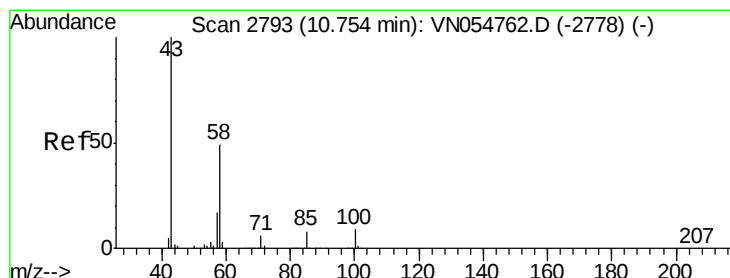
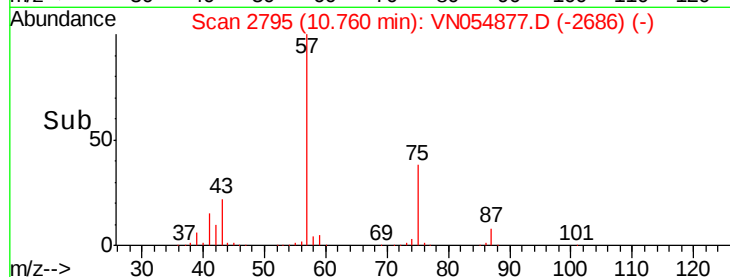
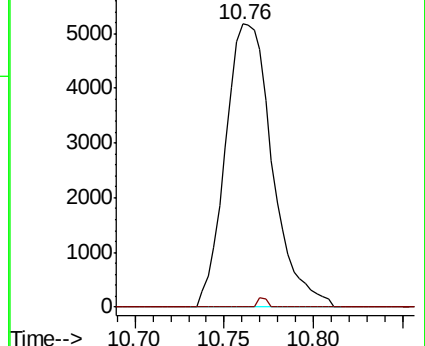
76 100

78 0.7 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 45.801 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054877.D

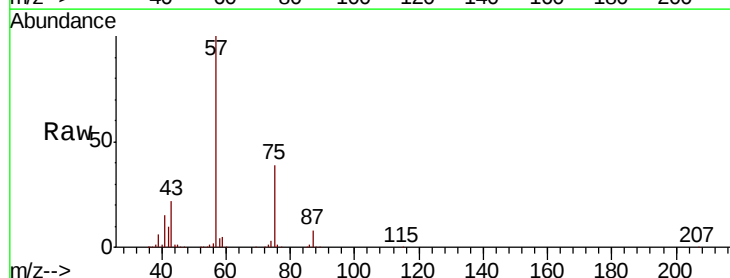
Acq: 1 Apr 2019 16:23

Tgt Ion: 43 Resp: 153890

Ion Ratio Lower Upper

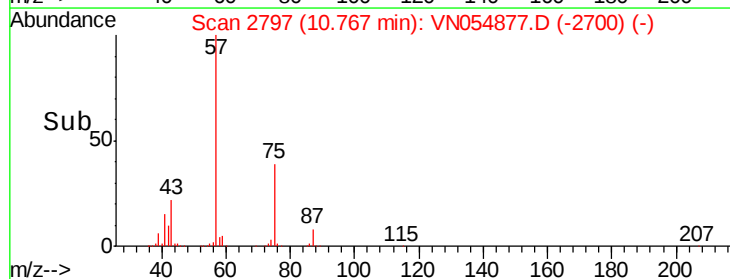
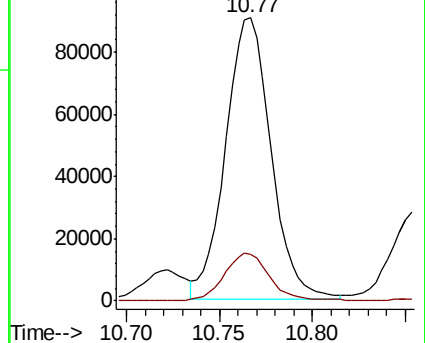
43 100

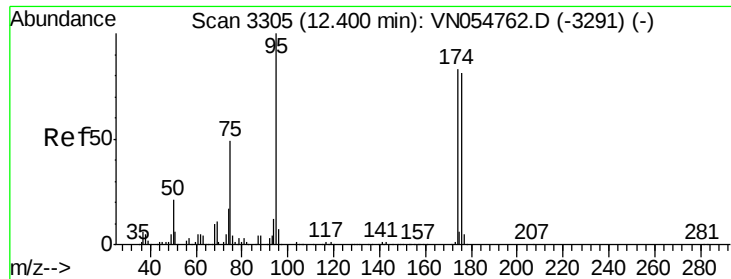
58 17.0 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

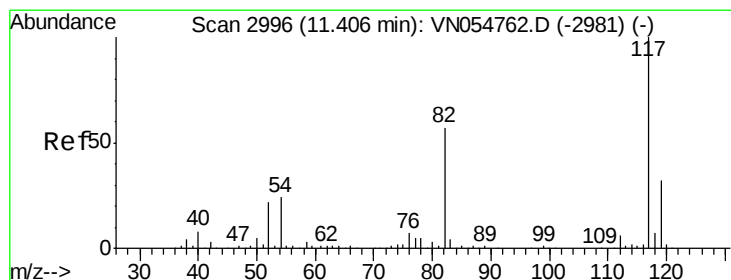
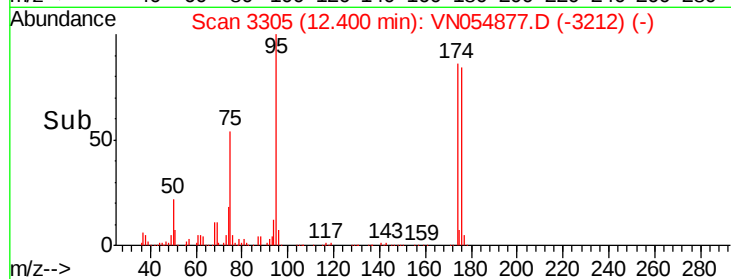
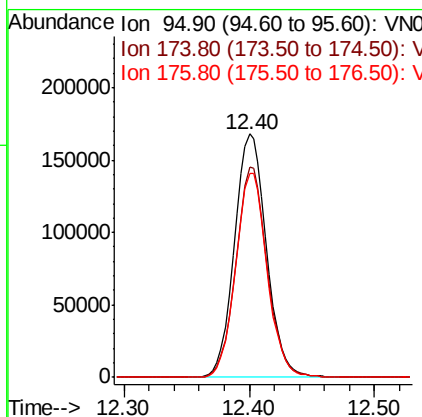
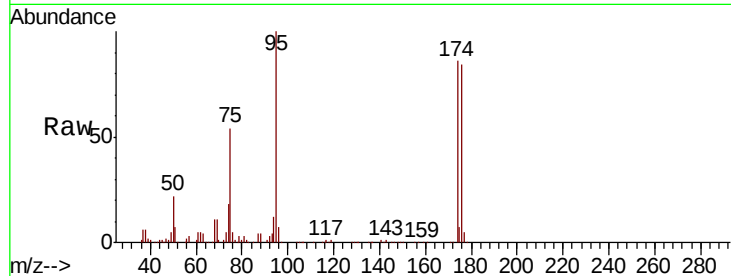




#62
4-Bromofluorobenzene
Concen: 42.871 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

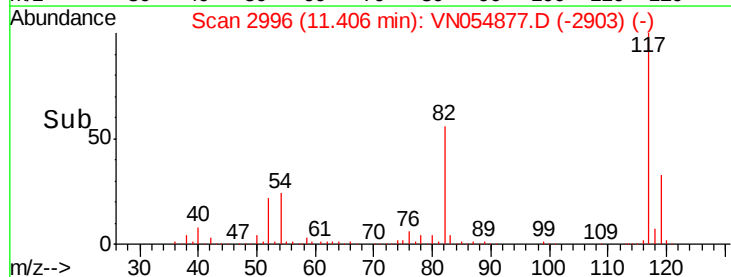
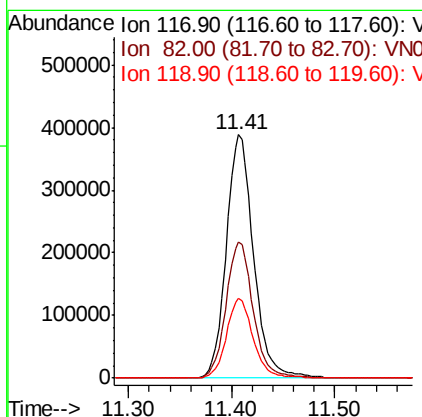
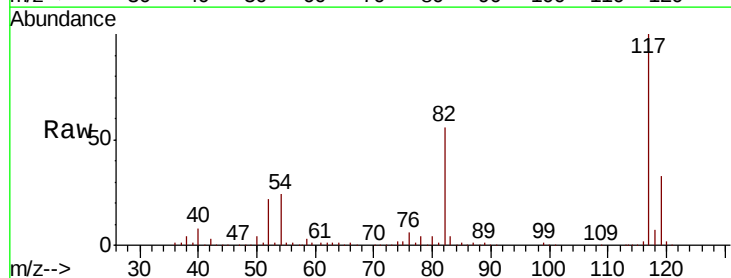
Instrument :
MSVOA_N
ClientSampleId :
S8B(10)

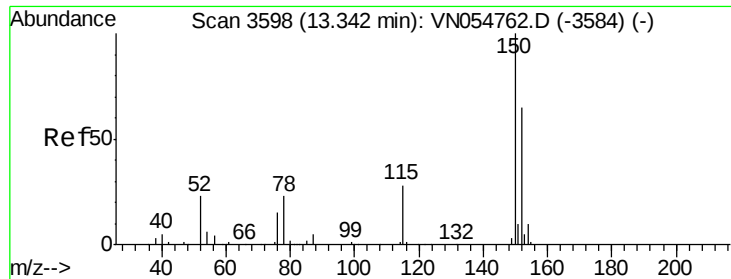
Tot Ion	95	Resp	297139
Ion Ratio	Lower	Upper	
95	100		
174	84.5	0.0	191.0
176	82.5	0.0	187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054877.D
Acq: 1 Apr 2019 16:23

Tgt Ion	117	Resp	715501
Ion Ratio	Lower	Upper	
117	100		
82	56.2	40.0	60.0
119	32.6	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

Instrument :

MSVOA_N

ClientSampled :

S8B(10)

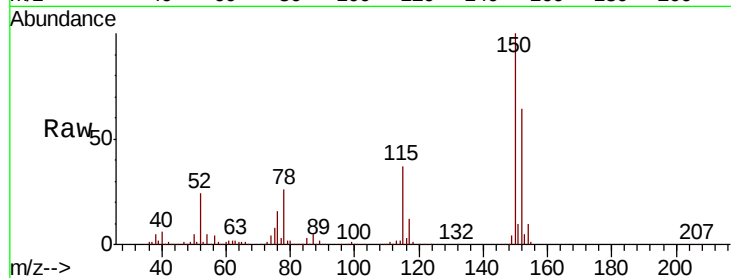
Tot Ion:152 Resp: 229720

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

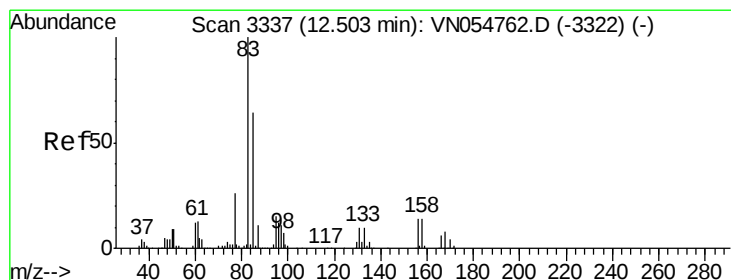
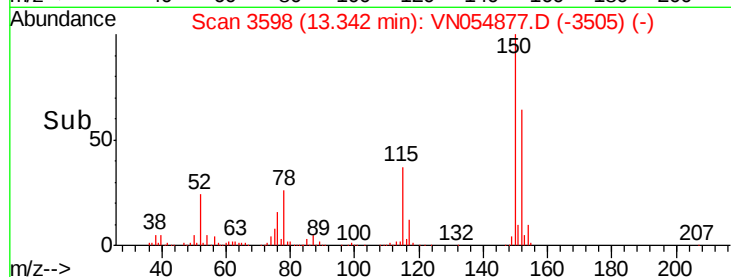
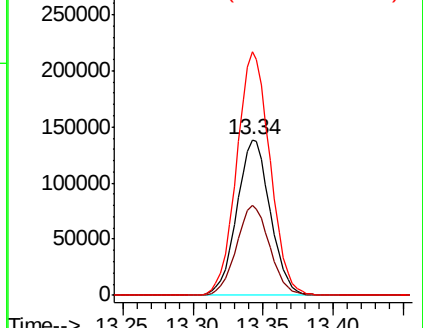
150 156.5 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN054877.D

Acq: 1 Apr 2019 16:23

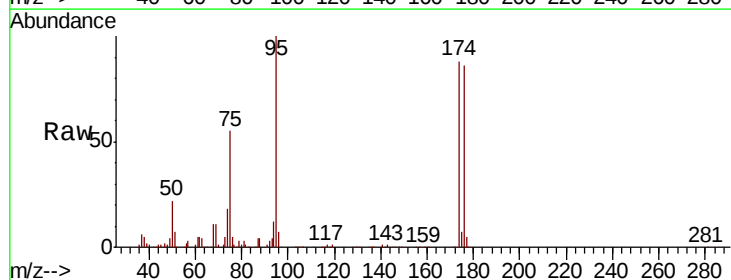
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 90.0 5.8 17.4#

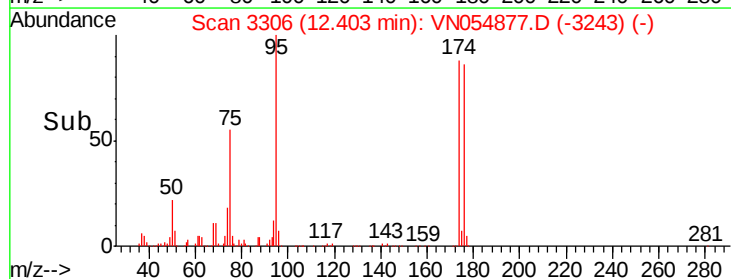
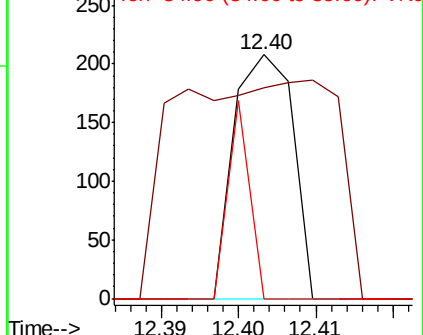
85 30.0 32.2 96.6#

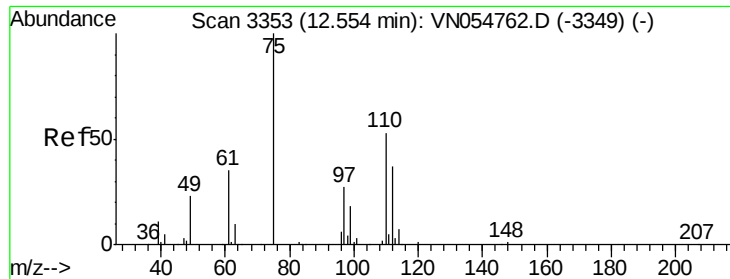


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

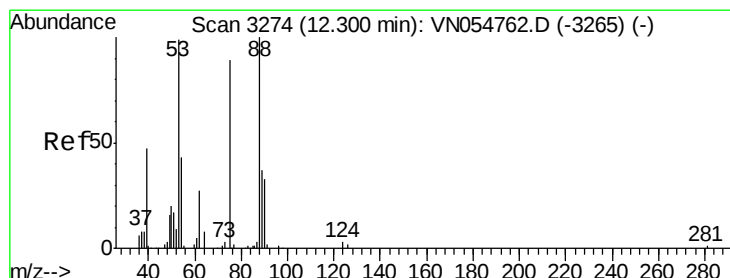
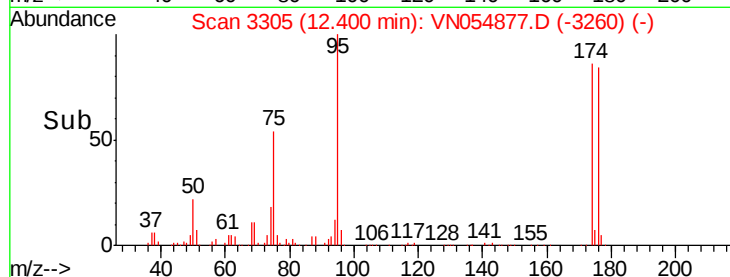
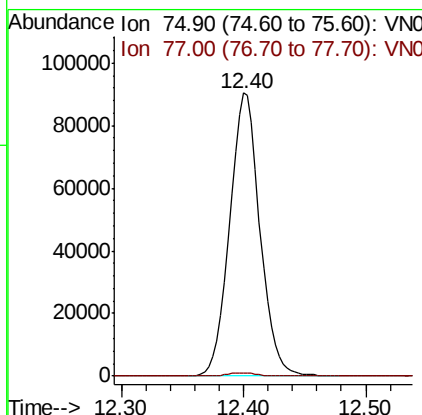
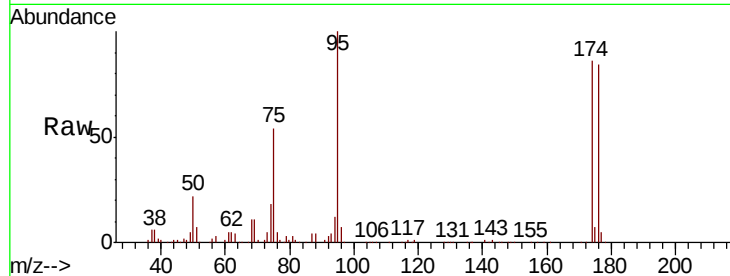




#76
 1,2,3-Trichloropropane
 Concen: 39.151 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054877.D
 Acq: 1 Apr 2019 16:23

Instrument :
 MSVOA_N
 ClientSampled :
 S8B(10)

Tot Ion: 75 Resp: 156242
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.287 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054877.D
 Acq: 1 Apr 2019 16:23

Tgt Ion: 75 Resp: 156242
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.2 114.2#
 89 0.0 39.2 58.8#

