

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054188.D
 Acq On : 13 Mar 2019 3:02
 Operator : JC/SP
 Sample : K1846-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Mar 13 07:34:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1452198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2360690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2507831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1187782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	778324	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	732272	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.09	98	2944679	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	1178562	59.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.80%	

Target Compounds

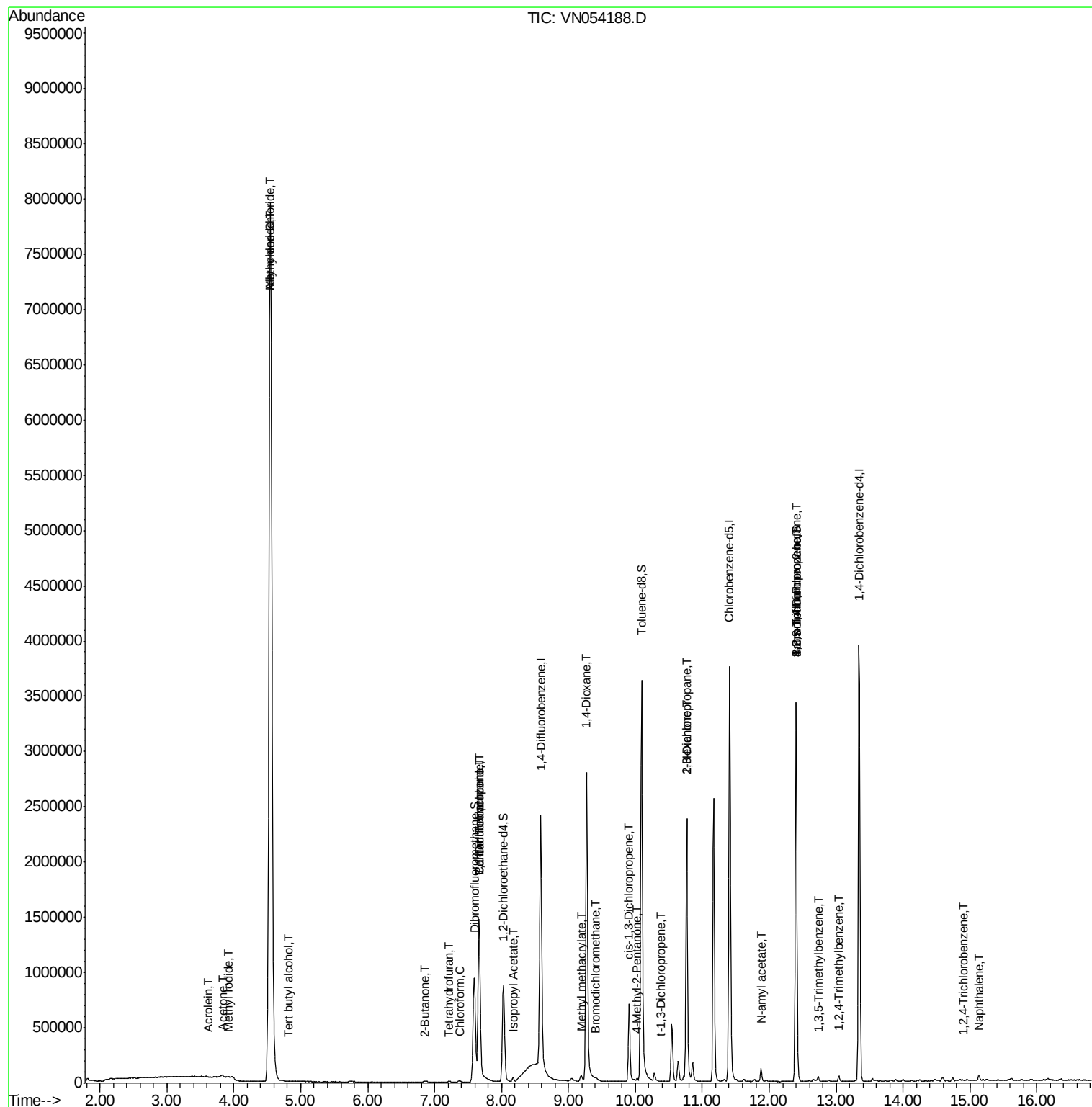
						Qvalue
10) Methyl Iodide	3.93	142	476	1.518	ug/l #	53
11) Tert butyl alcohol	4.81	59	309	0.292	ug/l #	68
13) Acrolein	3.62	56	259	0.259	ug/l #	77
14) Allyl chloride	4.55	41	185886	9.603	ug/l #	21
16) Acetone	3.82	43	27739	6.282	ug/l	96
20) Methylene Chloride	4.55	84	6449983	444.845	ug/l	99
25) 2-Butanone	6.86	43	2074	0.400	ug/l #	84
29) Tetrahydrofuran	7.22	42	940	0.282	ug/l #	74
30) Chloroform	7.37	83	13056	0.504	ug/l	93
31) Cyclohexane	7.67	56	22605	Below Cal	#	9
36) 1,1-Dichloropropene	7.66	75	81972	3.771	ug/l #	48
38) Carbon Tetrachloride	7.66	117	115406	5.062	ug/l #	16
43) Isopropyl Acetate	8.17	43	45125	2.058	ug/l	94
47) Bromodichloromethane	9.40	83	5439	0.260	ug/l #	83
48) Methyl methacrylate	9.18	41	16790	1.509	ug/l #	11
49) 1,4-Dioxane	9.27	88	399	2.535	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	18820	1.622	ug/l #	36
53) t-1,3-Dichloropropene	10.38	75	285	1.997	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	136070	5.581	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	27908	1.185	ug/l #	44
59) 2-Hexanone	10.77	43	361610	46.835	ug/l #	48
71) Bromoform	12.40	173	7097	2.794	ug/l #	1
74) N-ethyl acetate	11.88	43	36194	1.716	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	571052	32.693	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	20115	0.254	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	571052	111.761	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	32351	0.417	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	2041	2.594	ug/l	78
95) Naphthalene	15.13	128	47743	4.323	ug/l	99

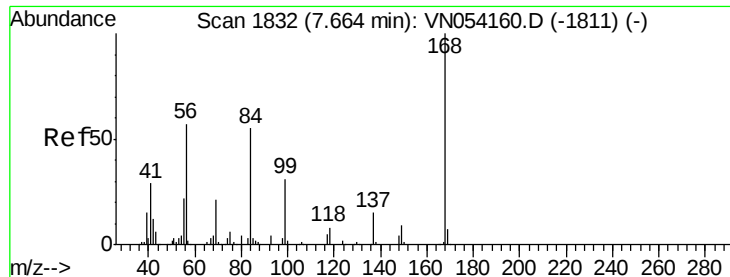
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
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Quant Time: Mar 13 07:34:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

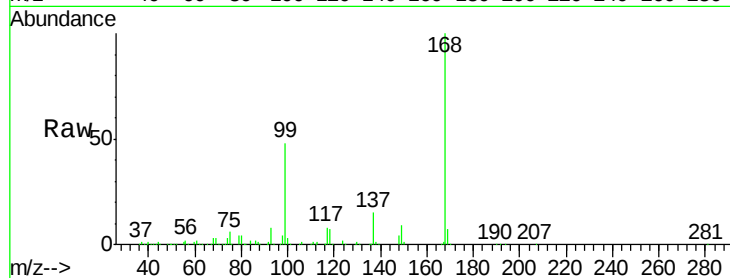
TP-2

Tot Ion:168 Resp: 1452198

Ion Ratio Lower Upper

168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

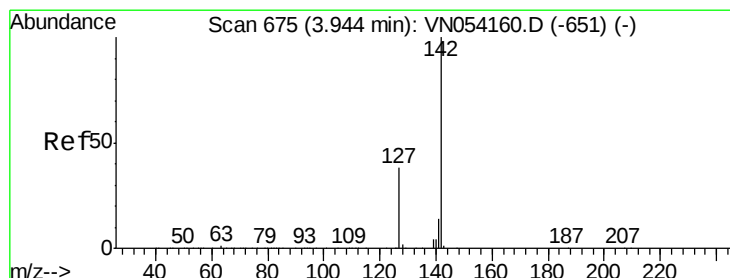
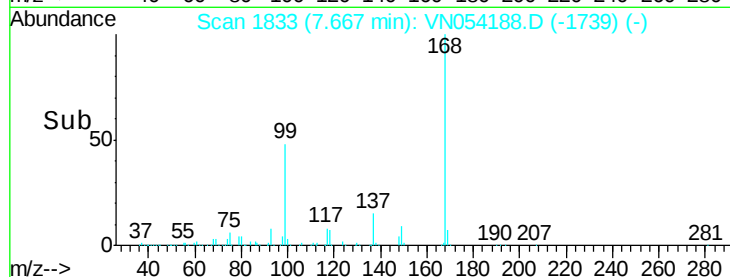
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

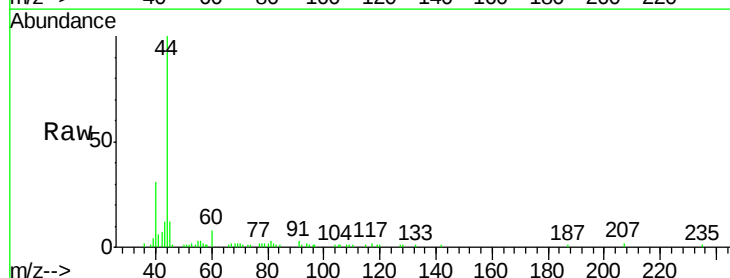
Tgt Ion:142 Resp: 476

Ion Ratio Lower Upper

142 100

127 6.7 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.93

400

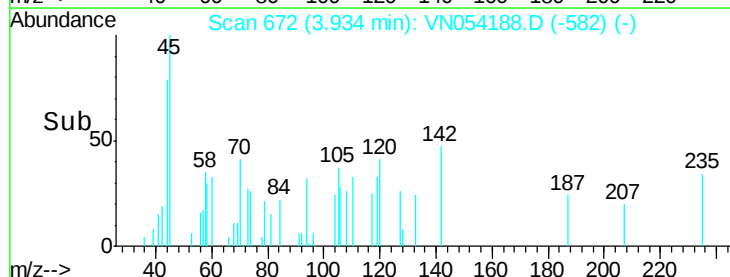
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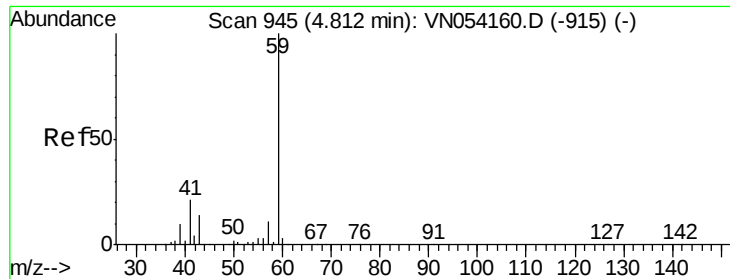
200

100

0

Time--> 3.90 3.92 3.94 3.96

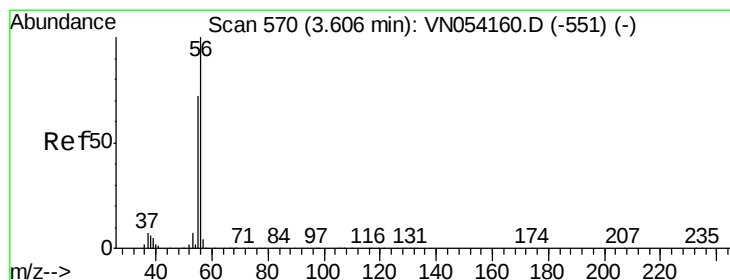
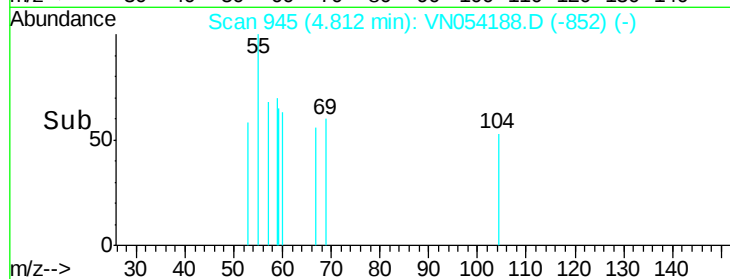
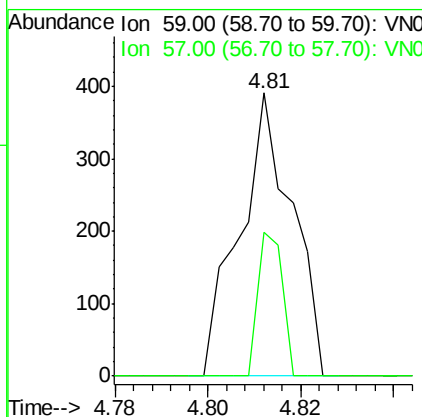
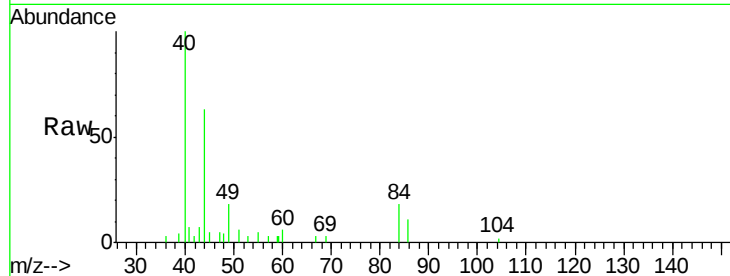




#11
Tert butyl alcohol
Concen: 0.292 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

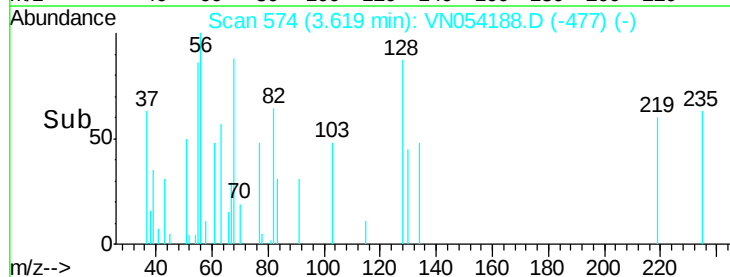
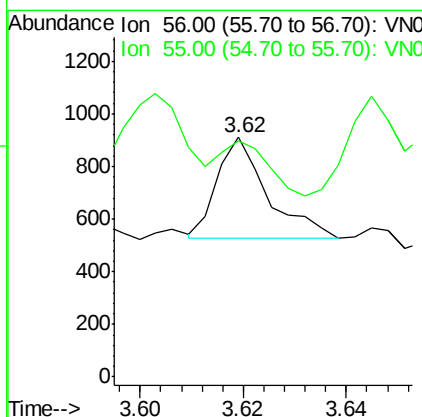
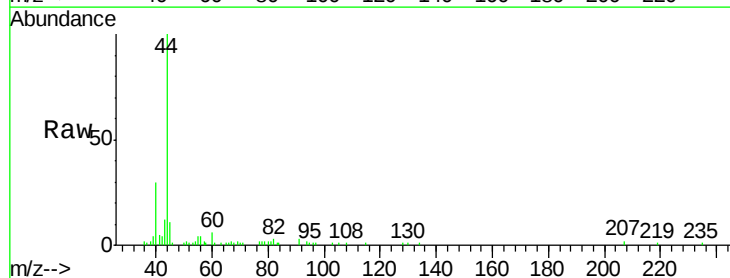
Instrument :
MSVOA_N
ClientSampled :
TP-2

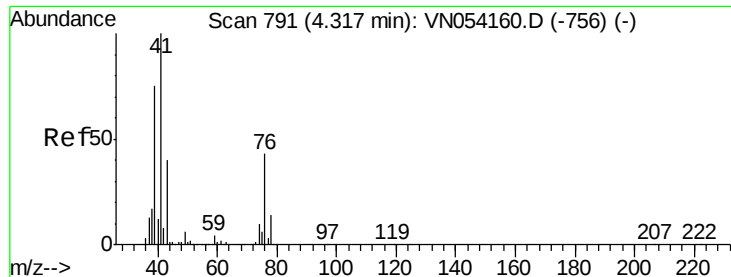
Tot Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 23.6 9.0 13.6#



#13
Acrolein
Concen: 0.259 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 90.0 56.7 85.1#





#14

Allvl chloride

Concen: 9.603 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

TP-2

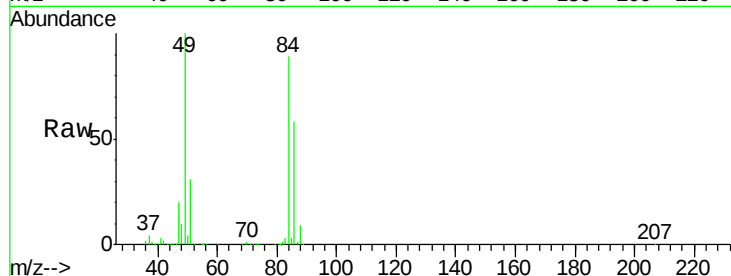
Tot Ion: 41 Resp: 185886

Ion Ratio Lower Upper

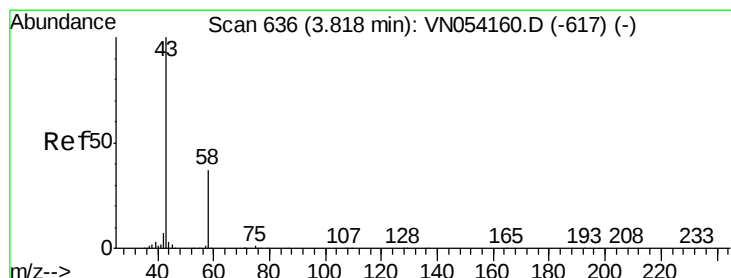
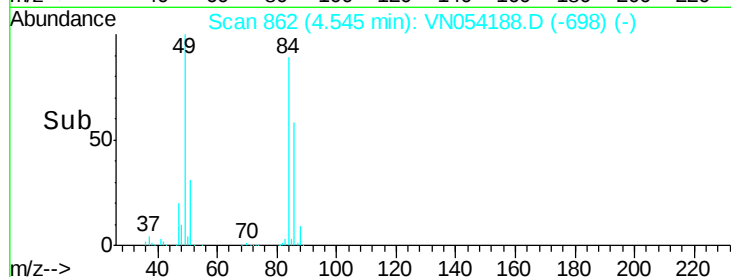
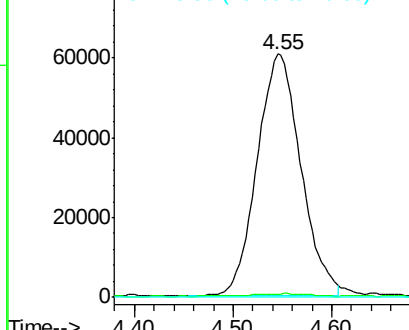
41 100

39 0.4 58.2 87.4#

76 0.0 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 6.282 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054188.D

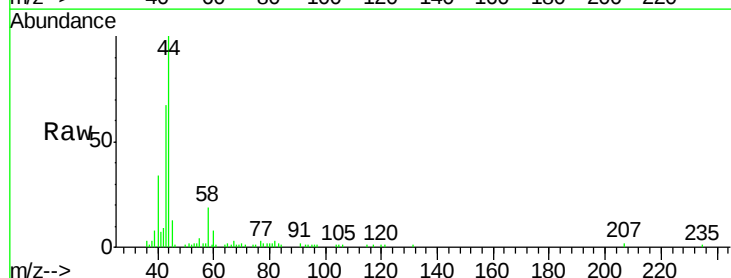
Acq: 13 Mar 2019 3:02

Tgt Ion: 43 Resp: 27739

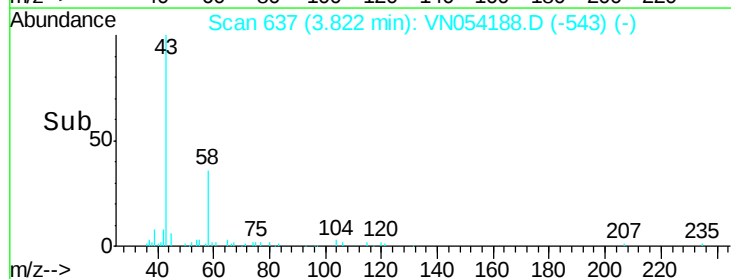
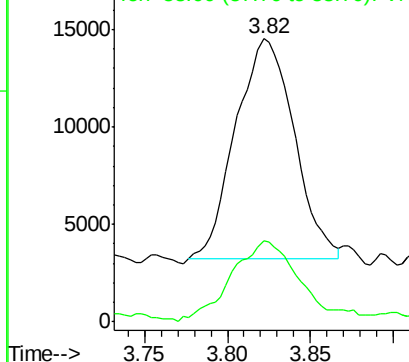
Ion Ratio Lower Upper

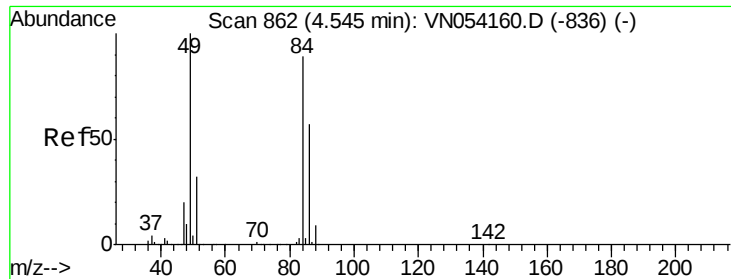
43 100

58 35.0 29.9 44.9



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

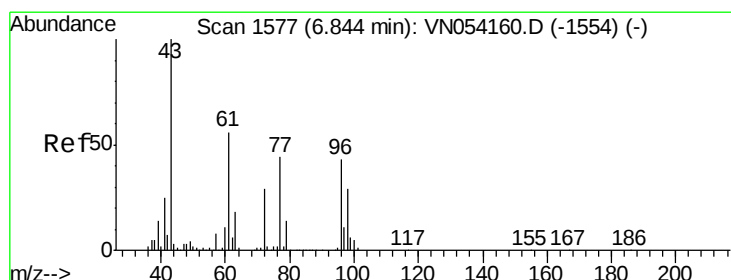
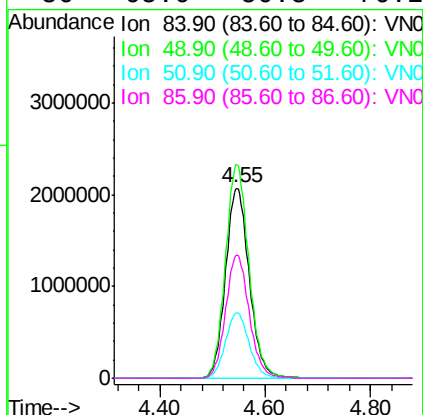
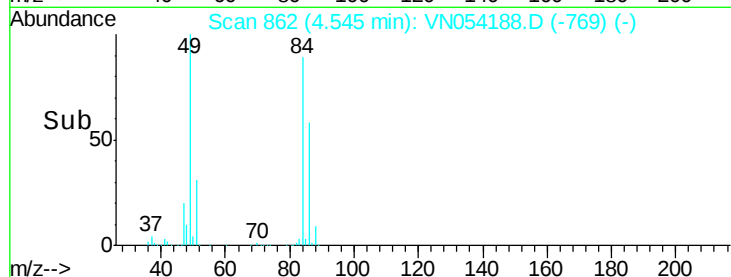
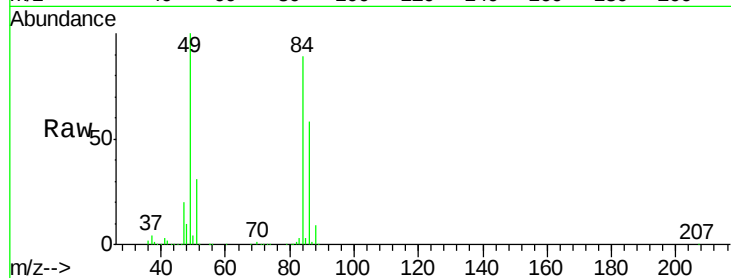




#20
Methvlene Chloride
Concen: 444.845 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

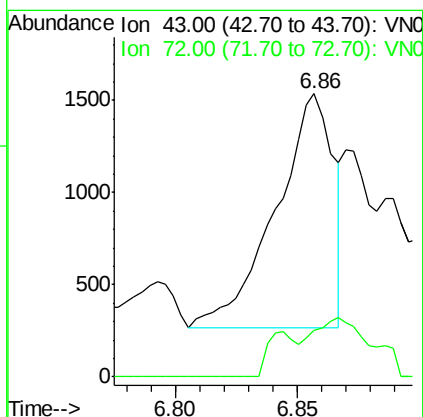
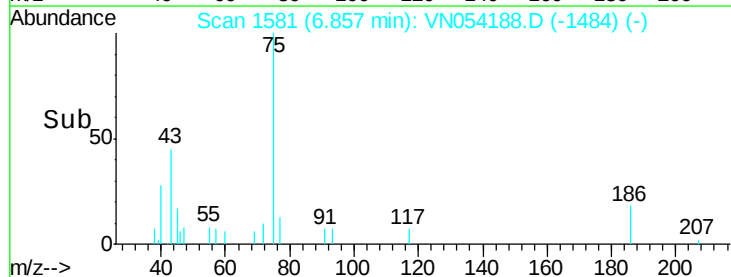
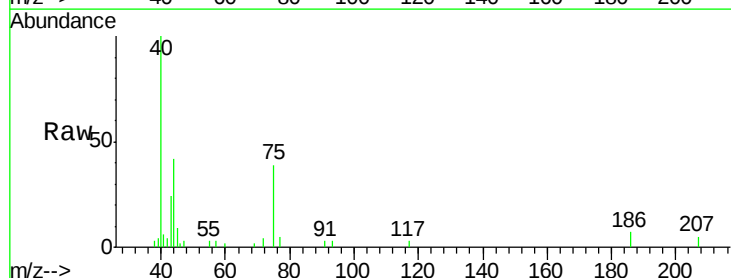
Instrument :
MSVOA_N
ClientSampled :
TP-2

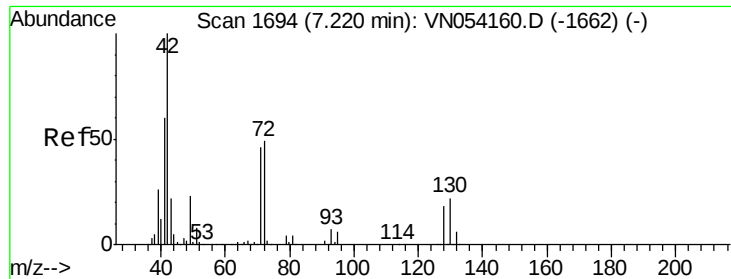
Tot Ion: 84 Resp: 6449983
Ion Ratio Lower Upper
84 100
49 112.5 89.7 134.5
51 34.3 28.2 42.4
86 65.0 50.8 76.2



#25
2-Butanone
Concen: 0.400 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
72 20.1 23.0 34.6#

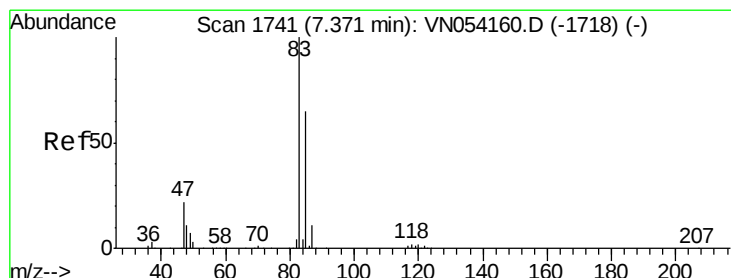
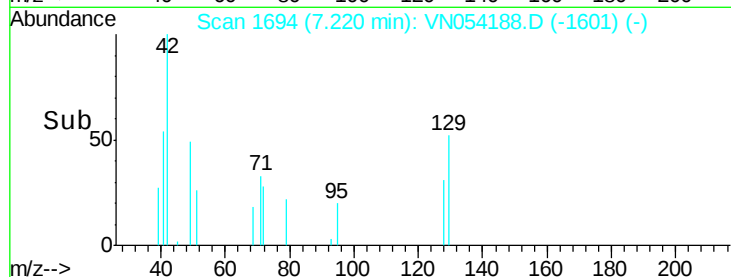
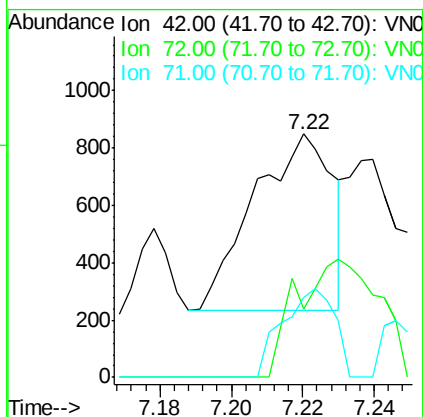
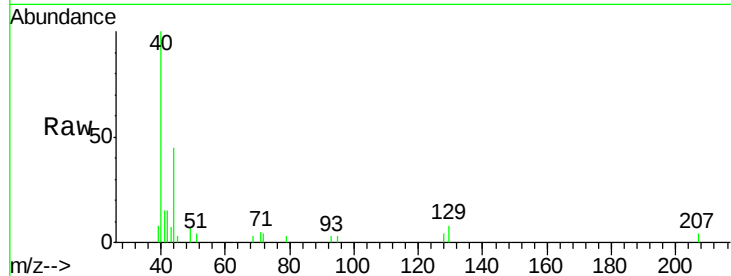




#29
Tetrahydrofuran
Concen: 0.282 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

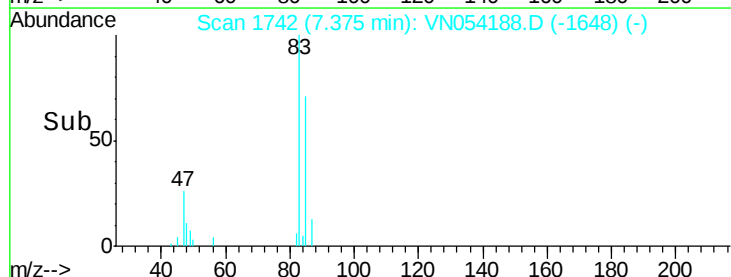
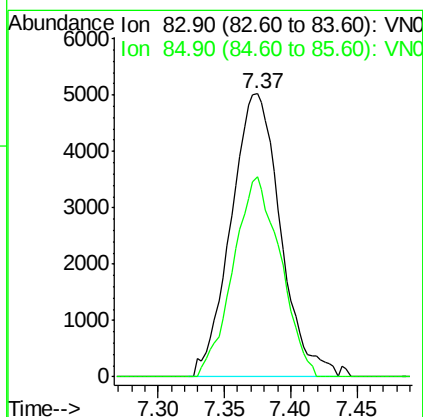
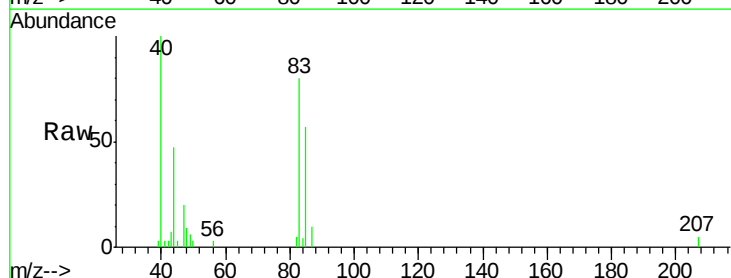
Instrument :
MSVOA_N
ClientSampled :
TP-2

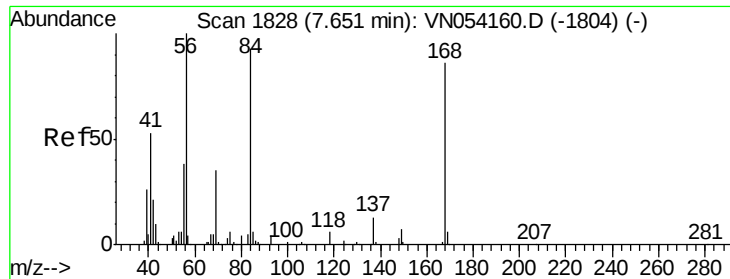
Tot Ion: 42 Resp: 940
Ion Ratio Lower Upper
42 100
72 68.9 37.8 56.6#
71 33.2 36.2 54.2#



#30
Chloroform
Concen: 0.504 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

Tgt Ion: 83 Resp: 13056
Ion Ratio Lower Upper
83 100
85 70.9 52.2 78.4





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

TP-2

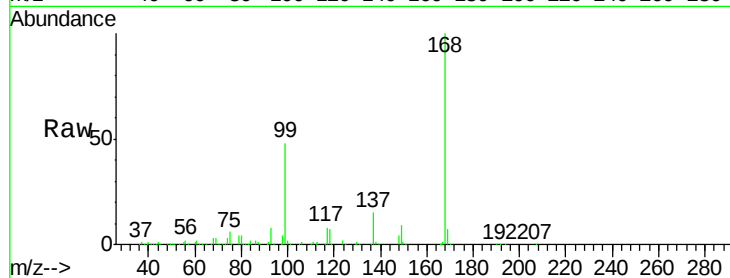
Tot Ion: 56 Resp: 22605

Ion Ratio Lower Upper

56 100

69 170.2 27.8 41.6#

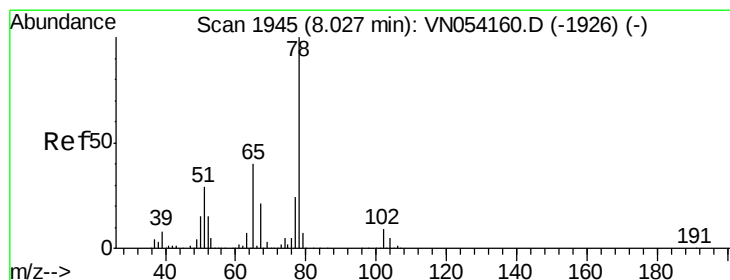
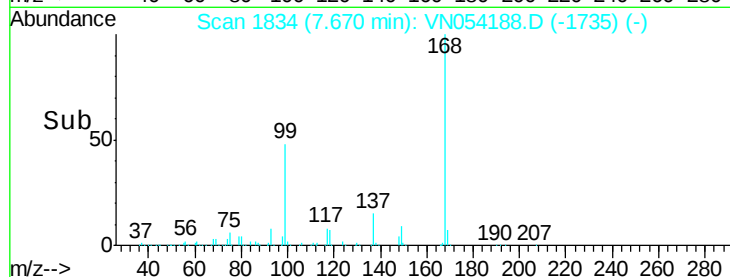
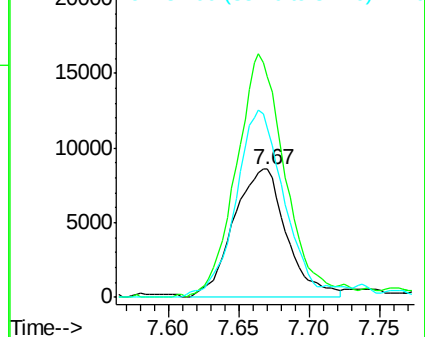
84 128.8 74.6 111.8#



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: 50.467 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054188.D

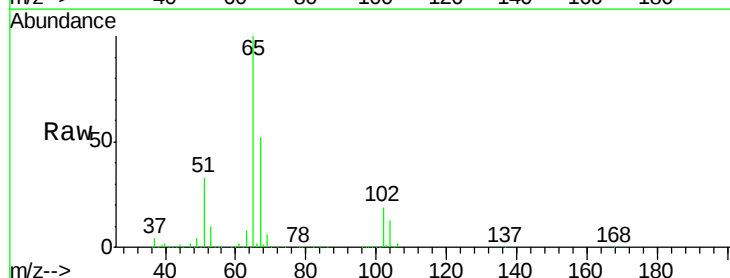
Acq: 13 Mar 2019 3:02

Tgt Ion: 65 Resp: 778324

Ion Ratio Lower Upper

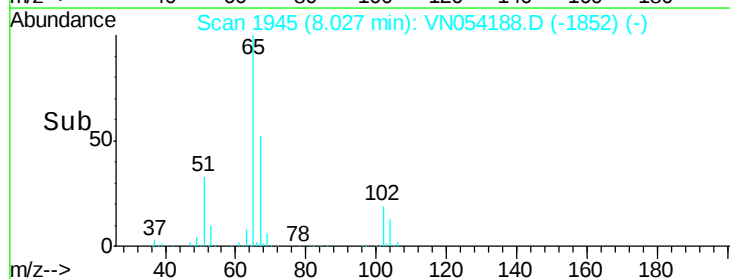
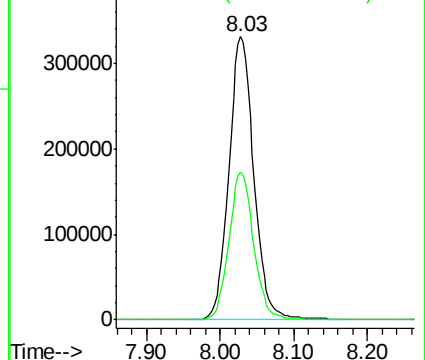
65 100

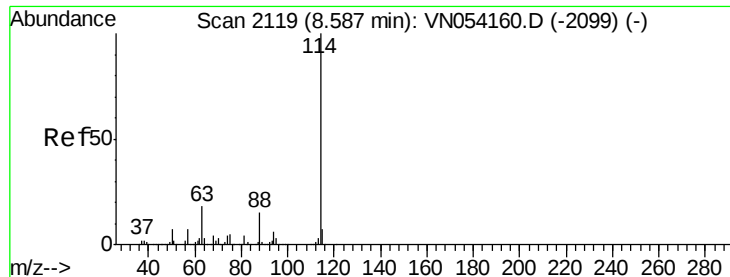
67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

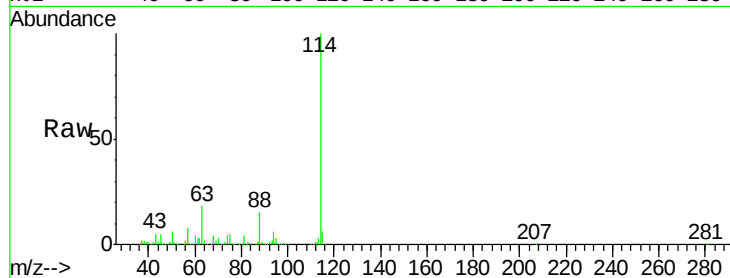




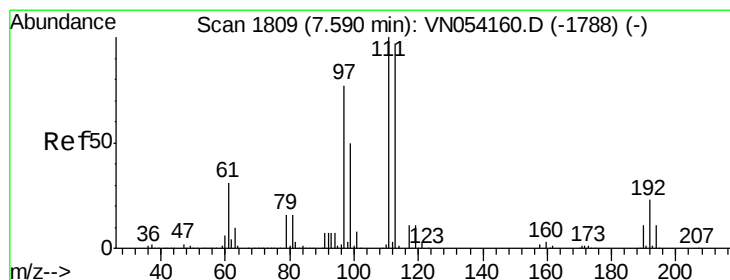
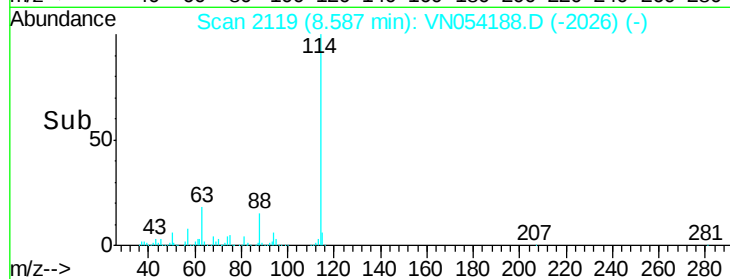
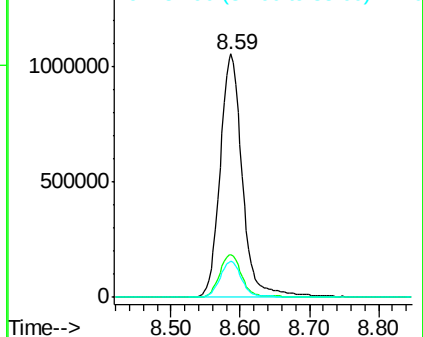
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054188.D
 Acq: 13 Mar 2019 3:02

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

Tot Ion:114 Resp: 2360690
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.8 0.0 30.2

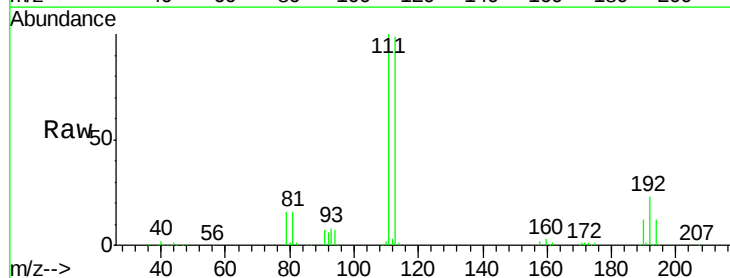


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

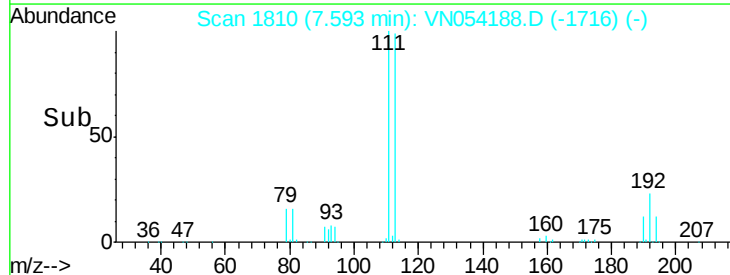
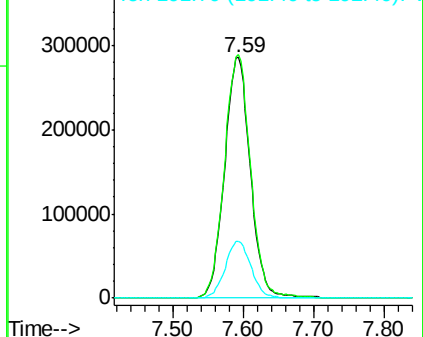


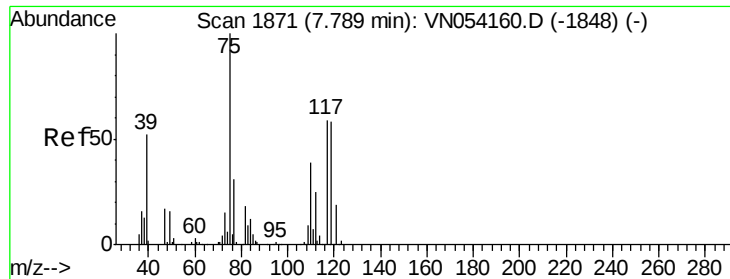
#35
 Dibromofluoromethane
 Concen: 48.095 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054188.D
 Acq: 13 Mar 2019 3:02

Tgt Ion:113 Resp: 732272
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 23.7 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: 3.771 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

TP-2

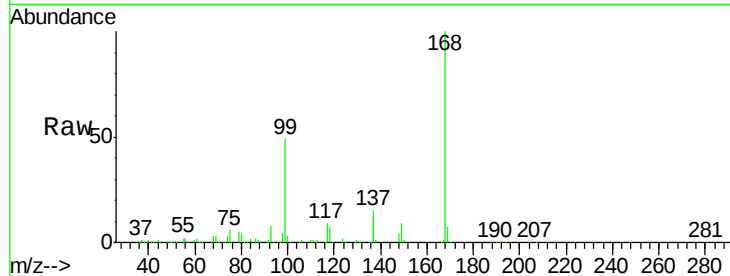
Tot Ion: 75 Resp: 81972

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.5#

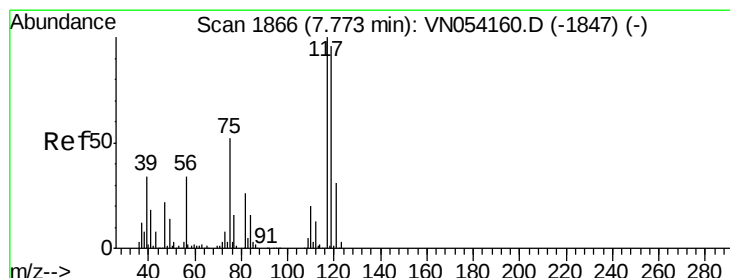
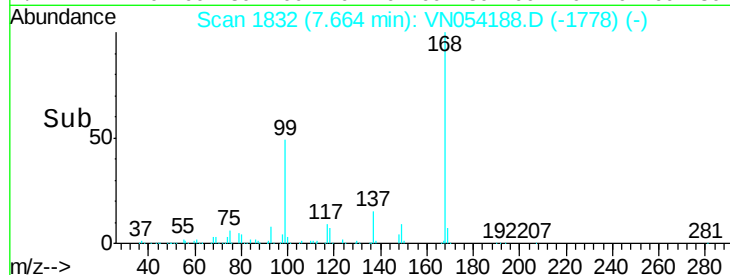
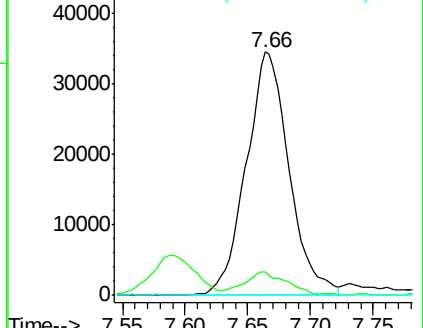
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054188.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054188.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054188.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 5.062 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

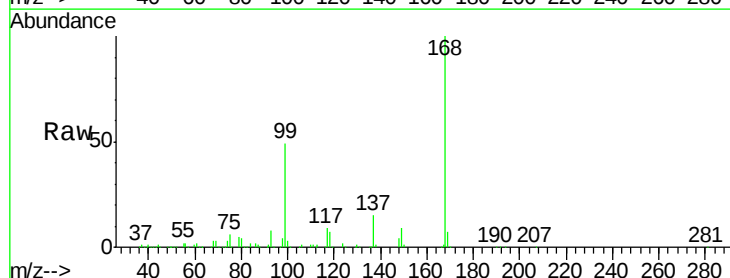
Tgt Ion: 117 Resp: 115406

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

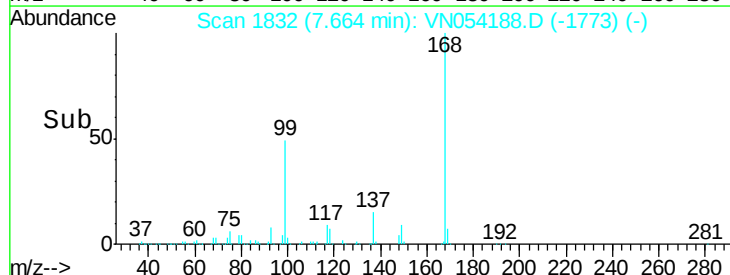
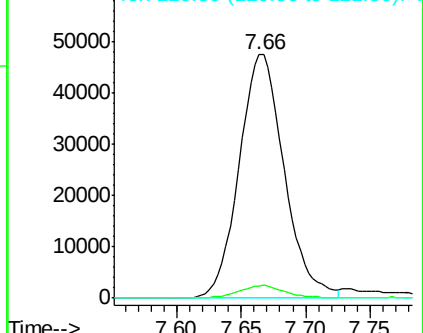
121 0.0 24.6 36.8#

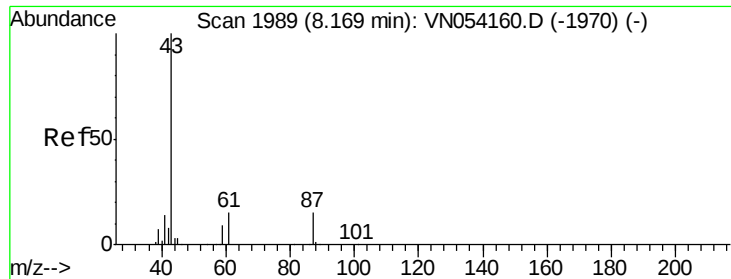


Abundance Ion 116.80 (116.50 to 117.50): VN054188.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054188.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054188.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 2.058 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

TP-2

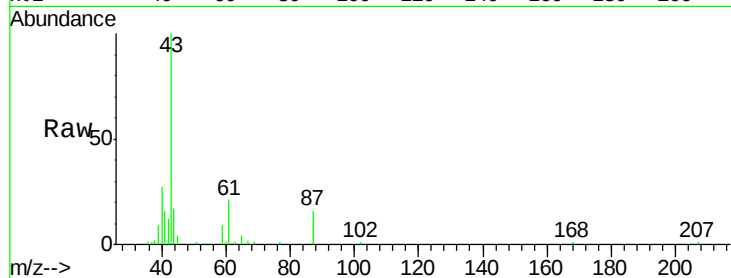
Tot Ion: 43 Resp: 45125

Ion Ratio Lower Upper

43 100

61 23.5 15.8 23.8

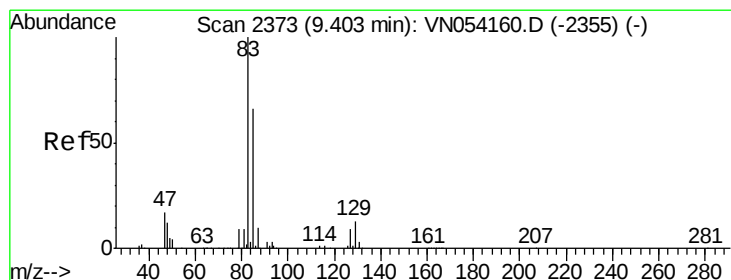
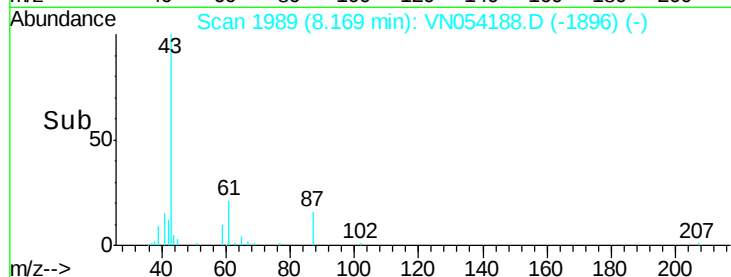
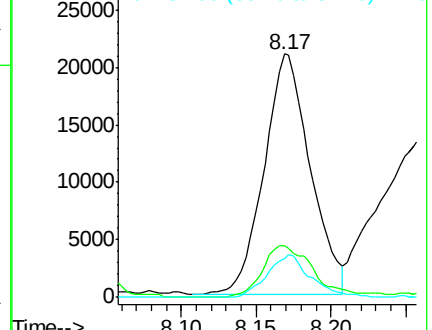
87 16.6 12.0 18.0



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



#47

Bromodichloromethane

Concen: 0.260 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

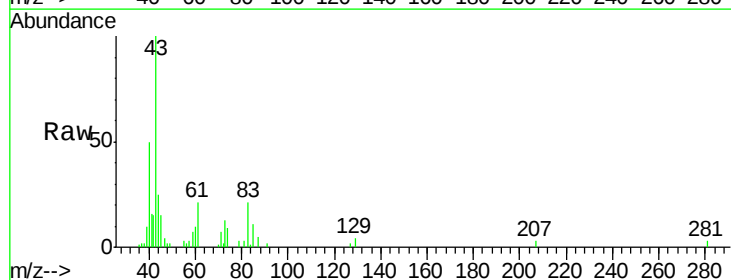
Tgt Ion: 83 Resp: 5439

Ion Ratio Lower Upper

83 100

85 51.5 52.8 79.2#

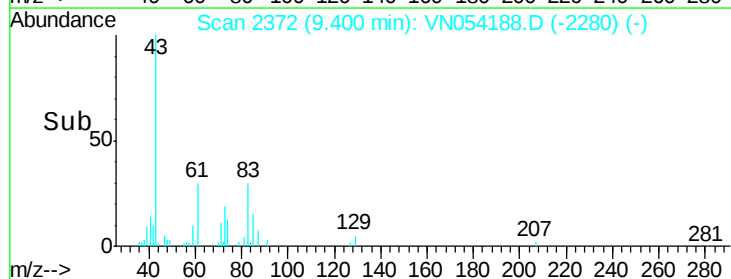
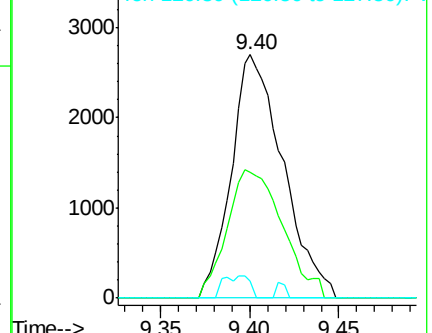
127 7.2 7.4 11.2#

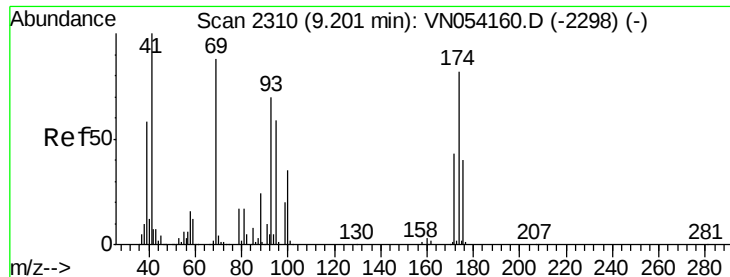


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

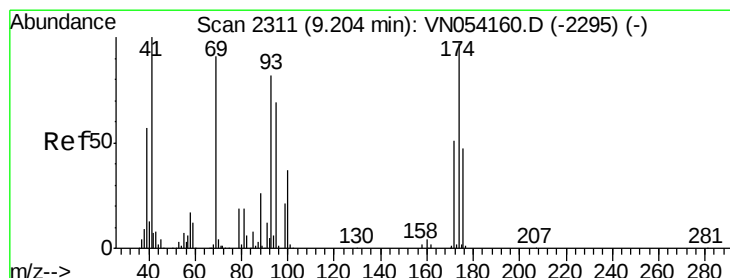
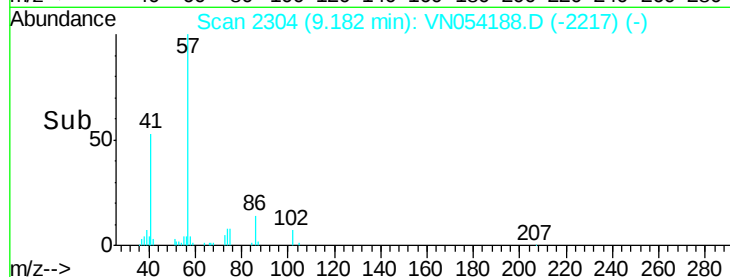
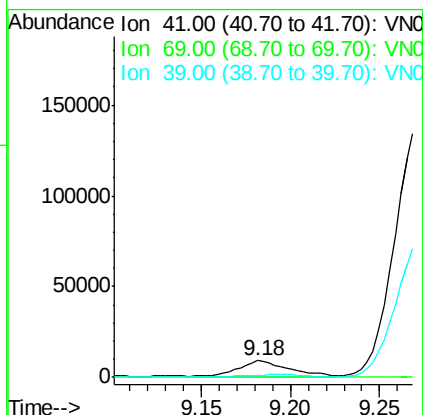
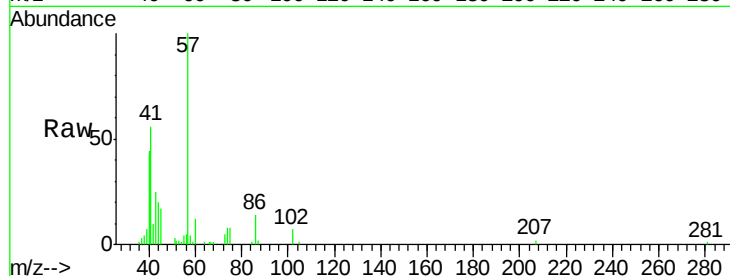




#48
Methvl methacrylate
Concen: 1.509 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

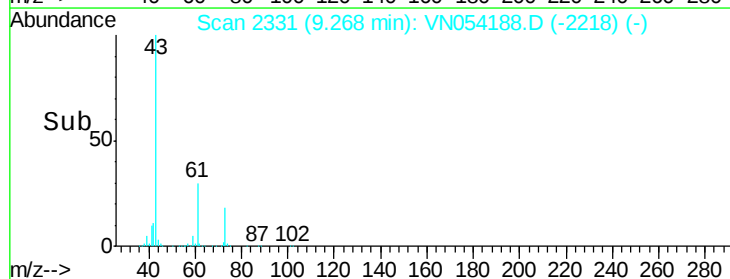
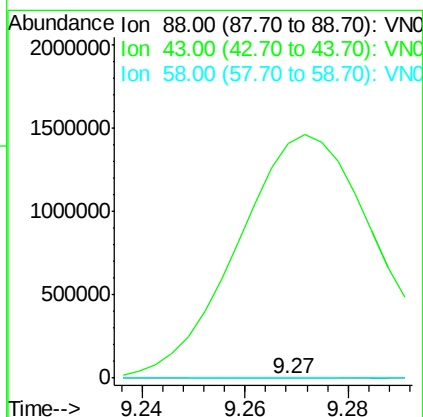
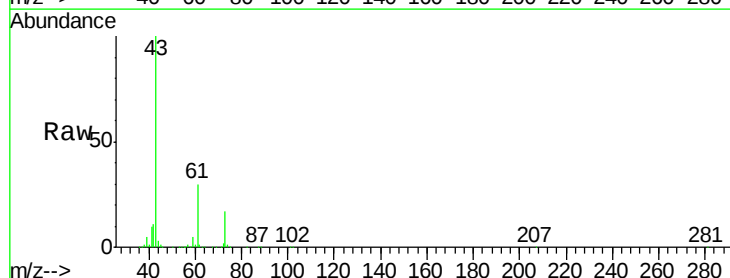
Instrument :
MSVOA_N
ClientSampleId :
TP-2

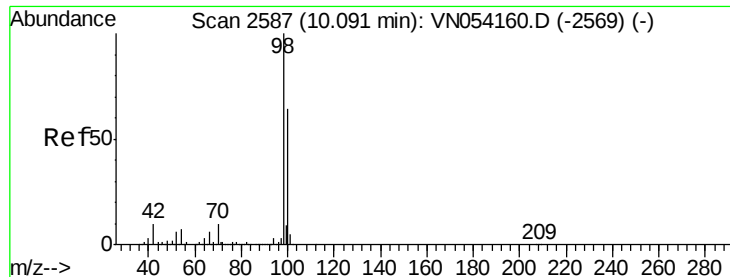
Tot Ion: 41 Resp: 16790
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.535 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.06 min
Lab File: VN054188.D
Acq: 13 Mar 2019 3:02

Tgt Ion: 88 Resp: 399
Ion Ratio Lower Upper
88 100
43 737219.5 24.1 36.1#
58 2865.4 50.8 76.2#





#50

Toluene-d8

Concen: 52.369 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

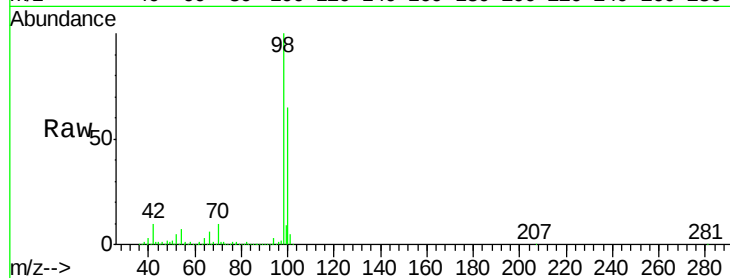
TP-2

Tot Ion: 98 Resp: 2944679

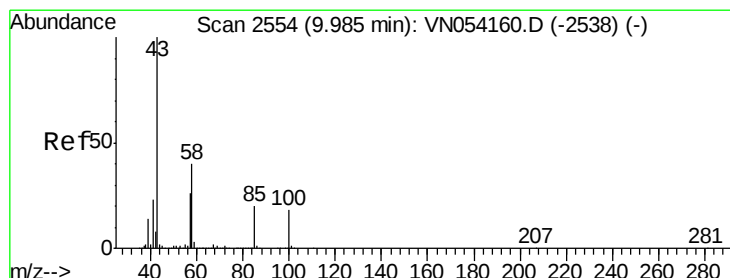
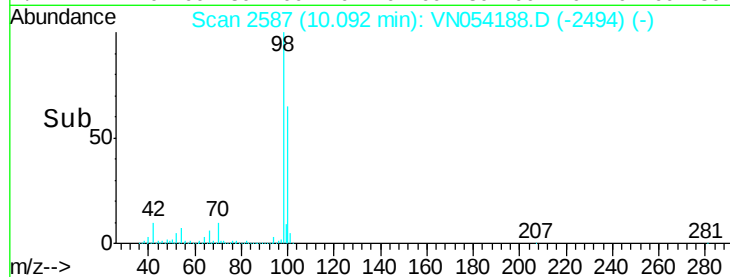
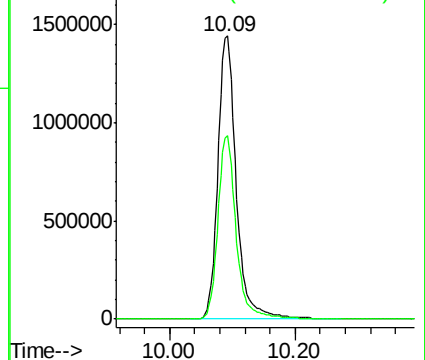
Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.622 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054188.D

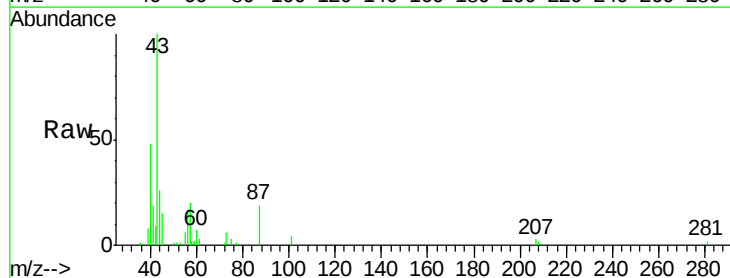
Acq: 13 Mar 2019 3:02

Tgt Ion: 43 Resp: 18820

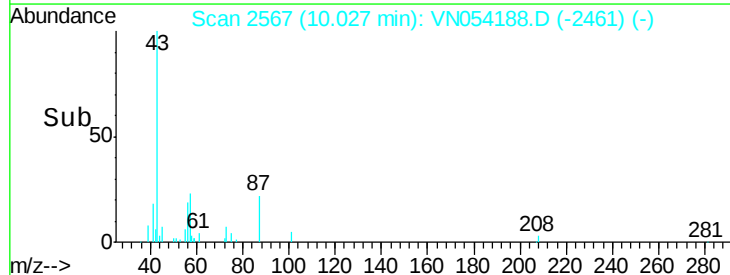
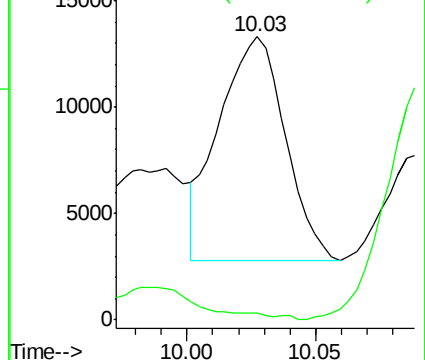
Ion Ratio Lower Upper

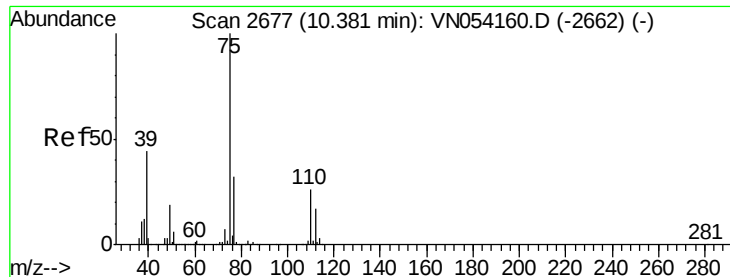
43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)





#53

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

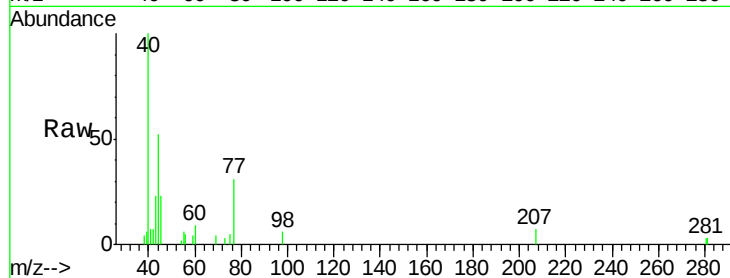
TP-2

Tot Ion: 75 Resp: 285

Ion Ratio Lower Upper

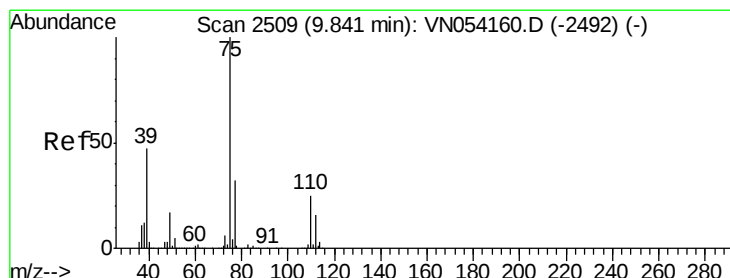
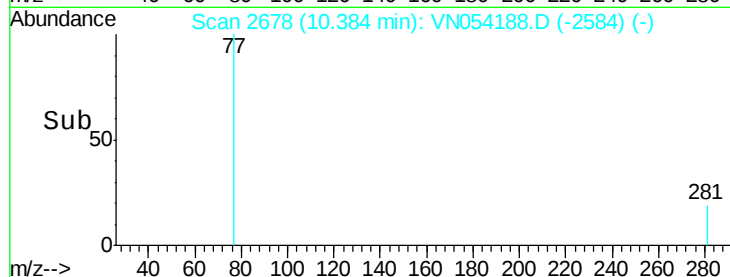
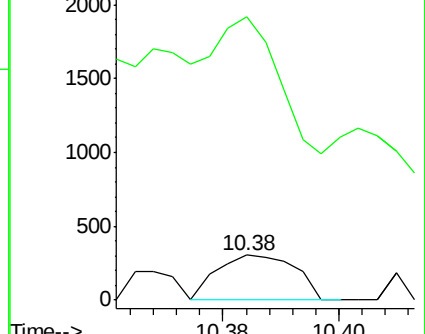
75 100

77 267.7 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.581 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

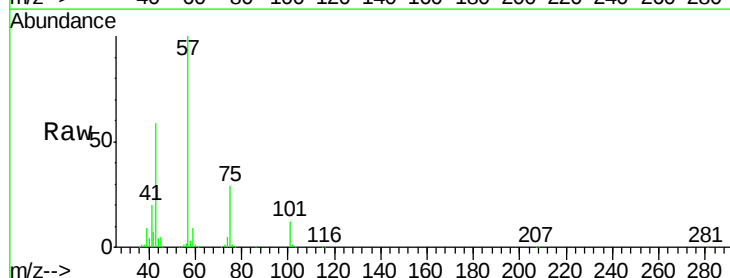
Tgt Ion: 75 Resp: 136070

Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.0#

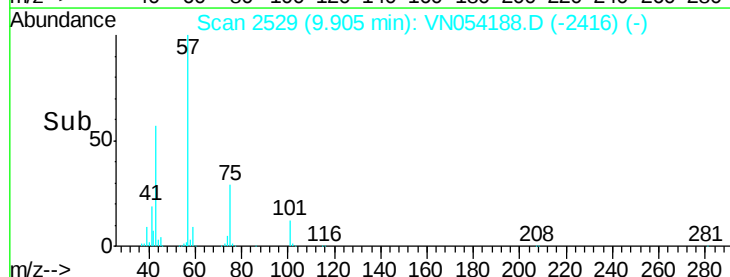
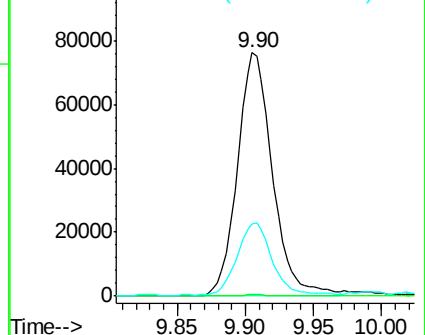
39 29.4 37.2 55.8#

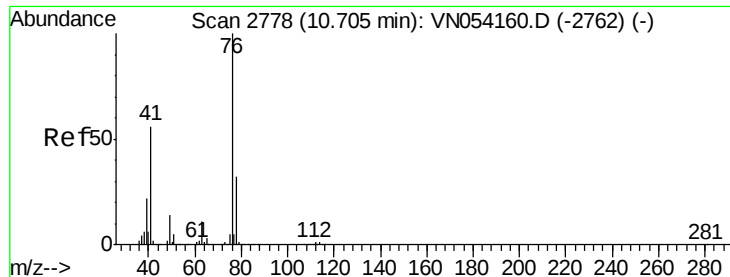


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

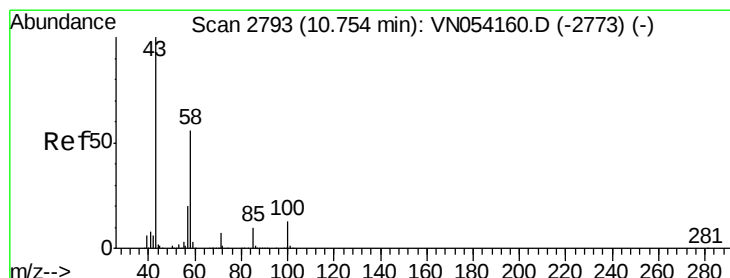
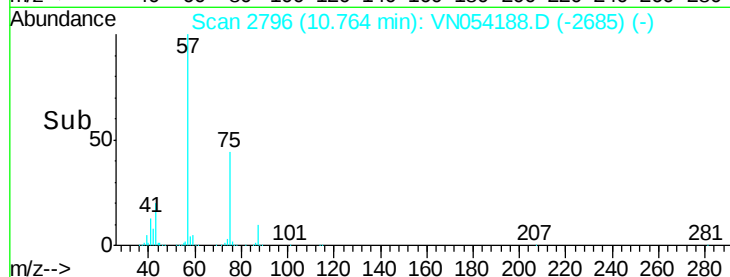
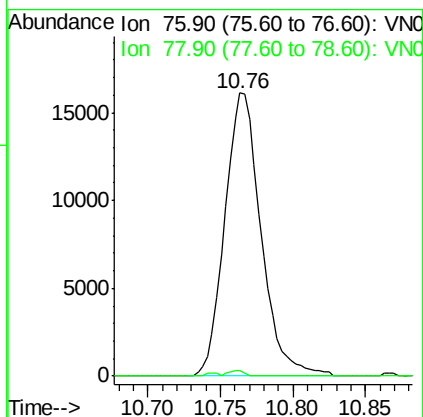
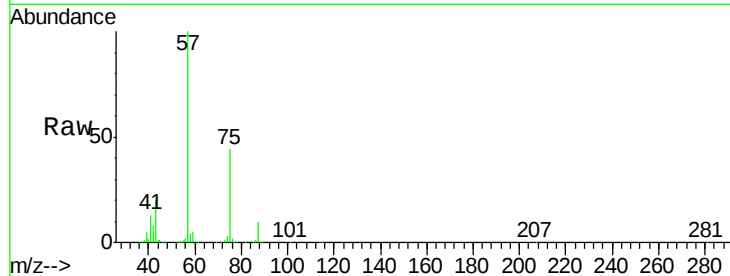




#57
 1,3-Dichloropropane
 Concen: 1.185 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN054188.D
 Acq: 13 Mar 2019 3:02

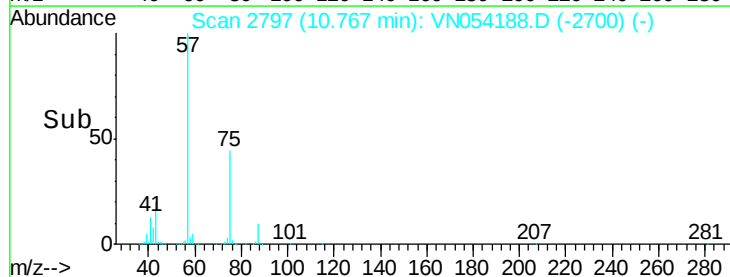
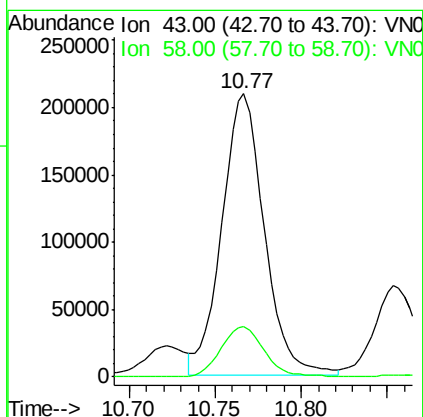
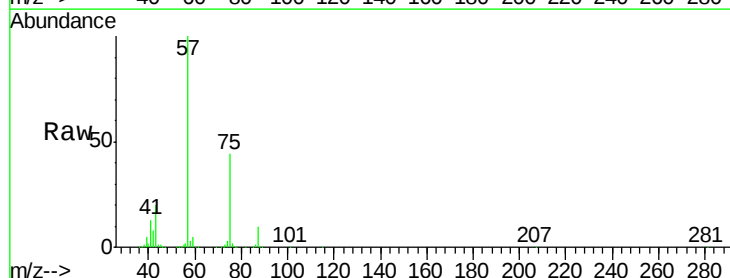
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

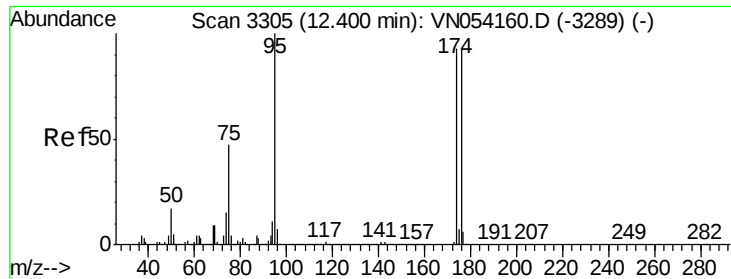
Tot Ion: 76 Resp: 27908
 Ion Ratio Lower Upper
 76 100
 78 0.8 25.7 38.5#



#59
 2-Hexanone
 Concen: 46.835 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054188.D
 Acq: 13 Mar 2019 3:02

Tgt Ion: 43 Resp: 361610
 Ion Ratio Lower Upper
 43 100
 58 18.3 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 59.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

TP-2

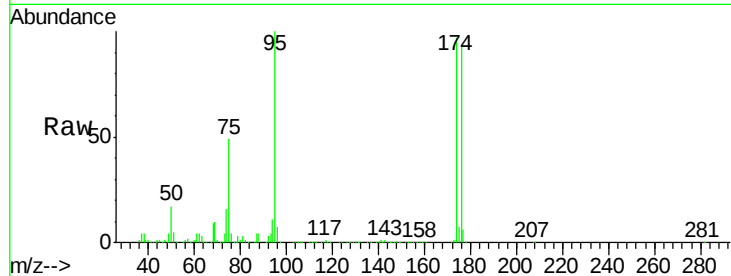
Tot Ion: 95 Resp: 1178562

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

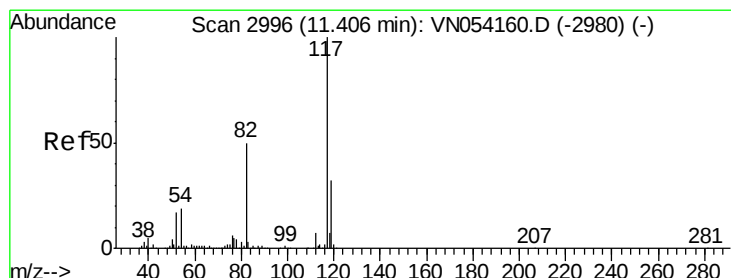
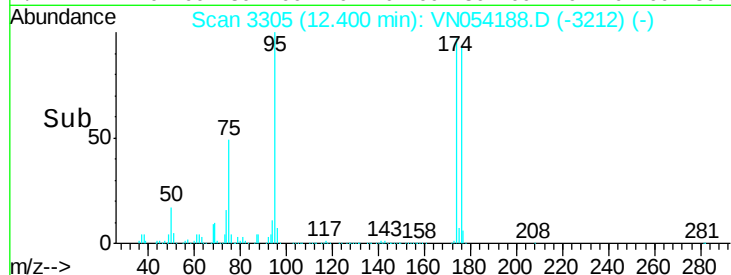
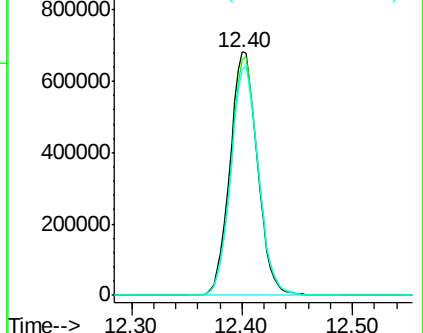
176 94.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054188.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054188.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054188.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

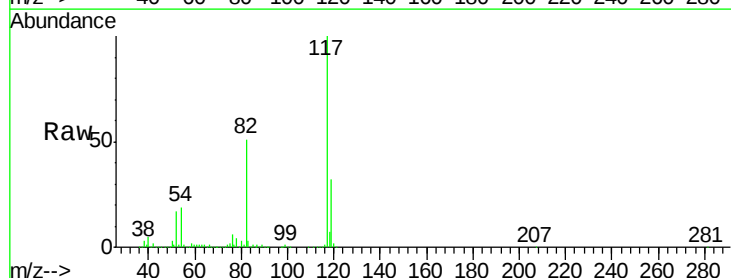
Tgt Ion: 117 Resp: 2507831

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

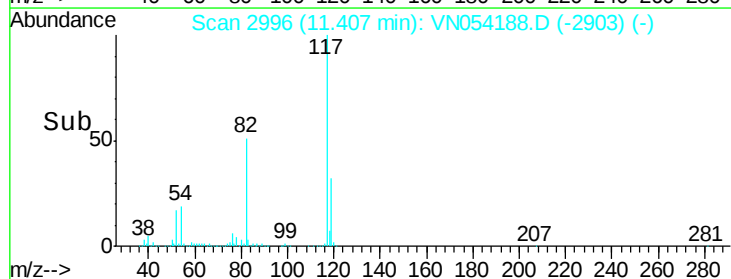
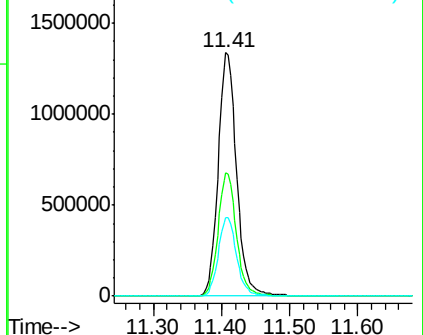
119 32.3 25.8 38.6

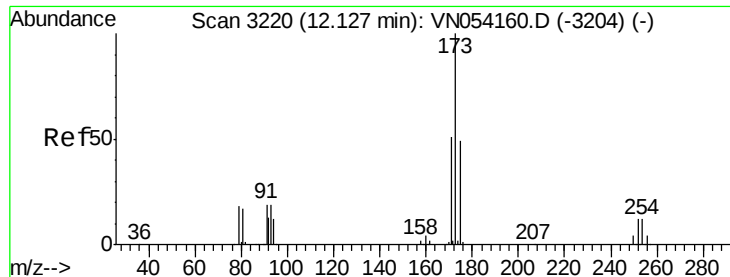


Abundance Ion 116.90 (116.60 to 117.60): VN054188.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054188.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054188.D (-2903) (-)





#71

Bromoform

Concen: 2.794 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

TP-2

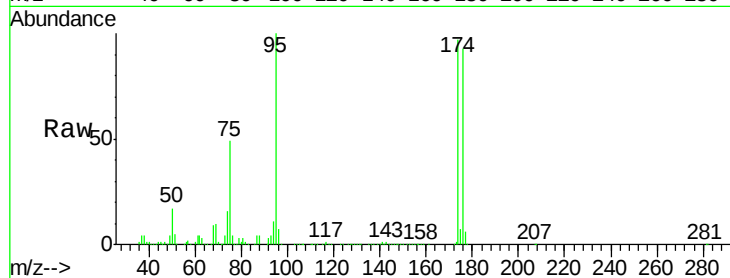
Tot Ion:173 Resp: 7097

Ion Ratio Lower Upper

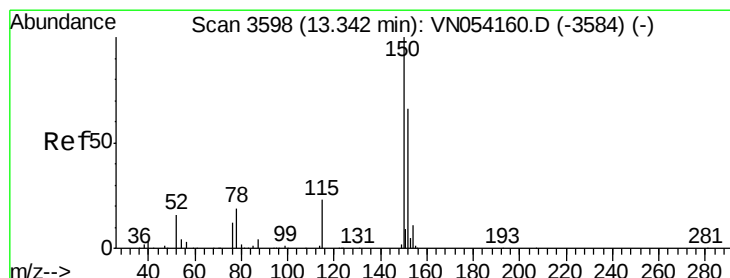
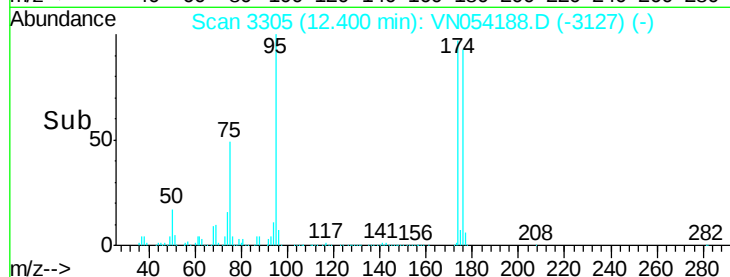
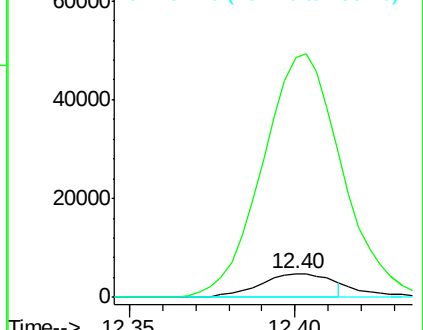
173 100

175 996.1 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

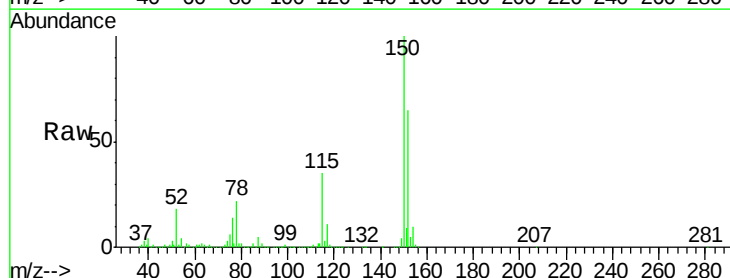
Tgt Ion:152 Resp: 1187782

Ion Ratio Lower Upper

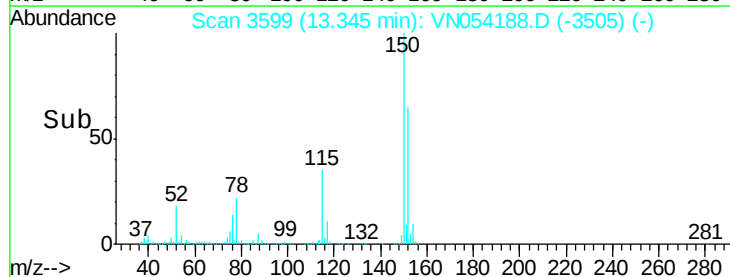
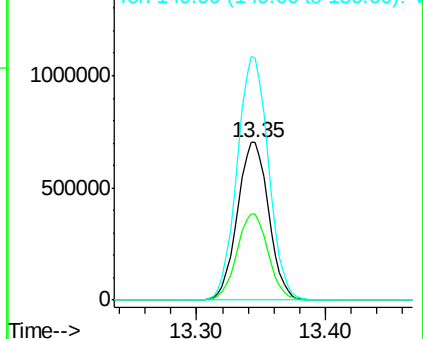
152 100

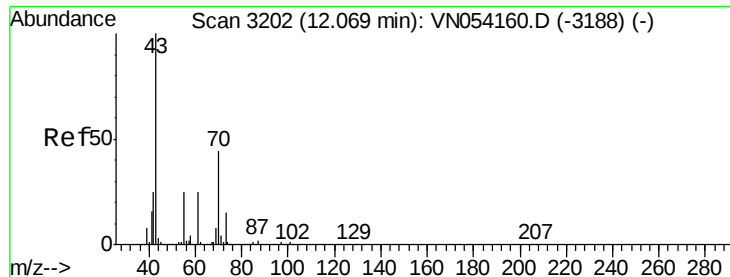
115 54.9 27.2 81.6

150 154.7 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





#74

N-amvl acetate

Concen: 1.716 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tot Ion: 43 Resp: 36194

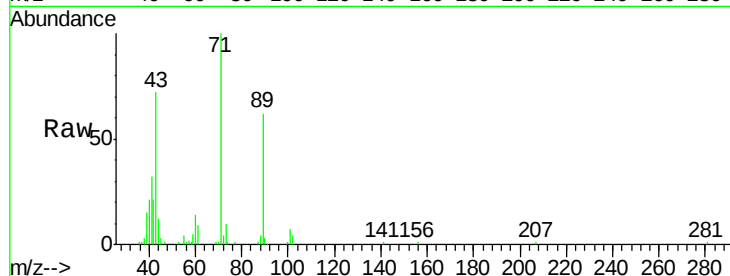
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.0#

55 7.9 19.8 29.6#

61 11.8 19.8 29.6#

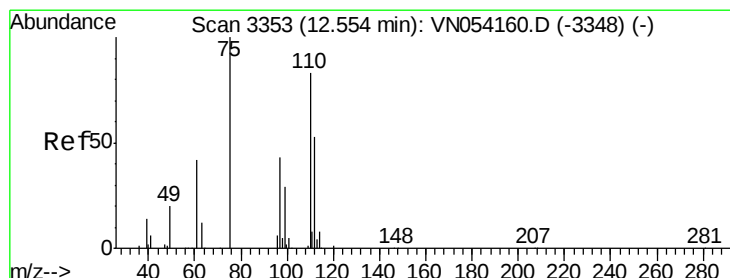
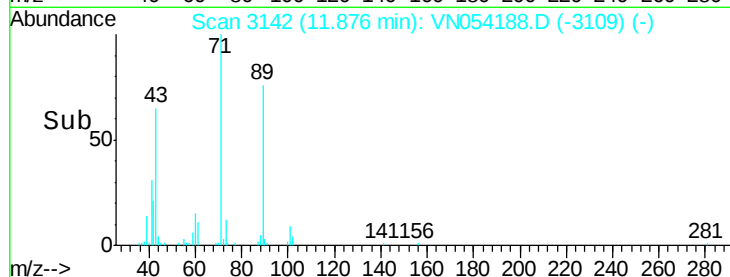
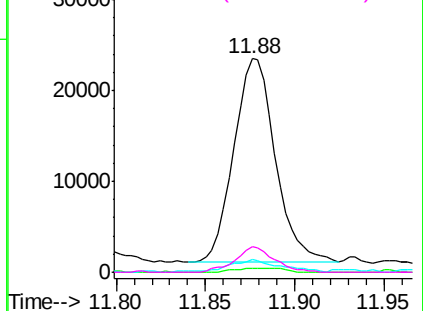


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 32.693 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054188.D

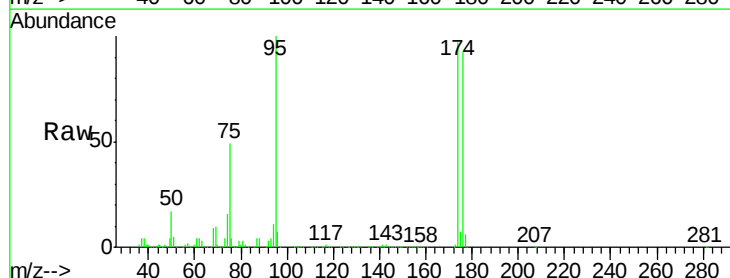
Acq: 13 Mar 2019 3:02

Tgt Ion: 75 Resp: 571052

Ion Ratio Lower Upper

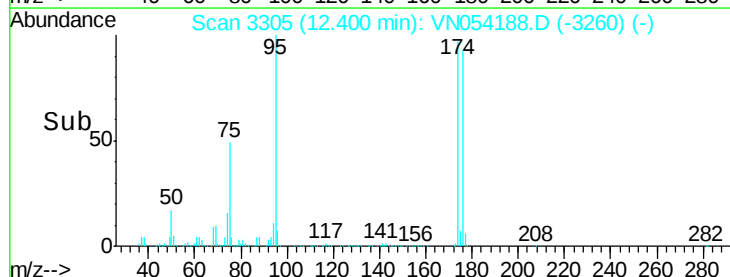
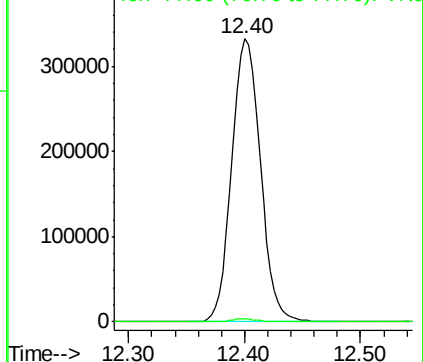
75 100

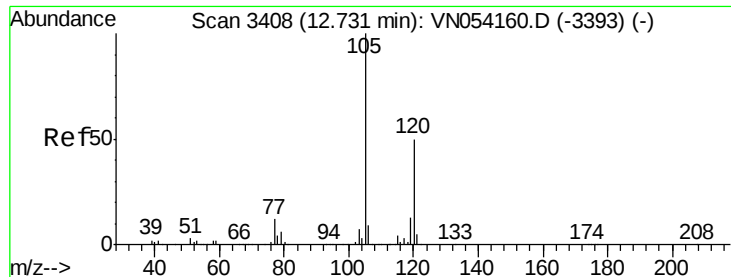
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.254 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

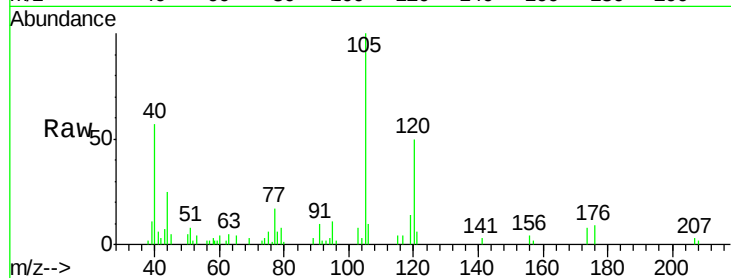
TP-2

Tot Ion:105 Resp: 20115

Ion Ratio Lower Upper

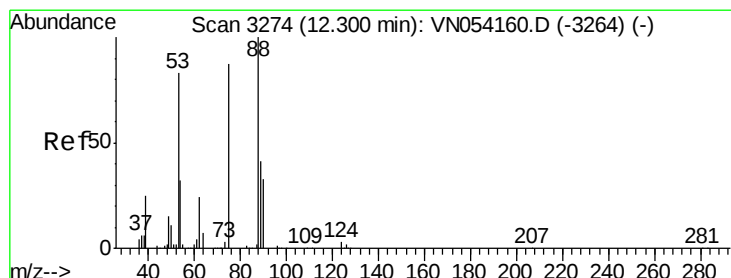
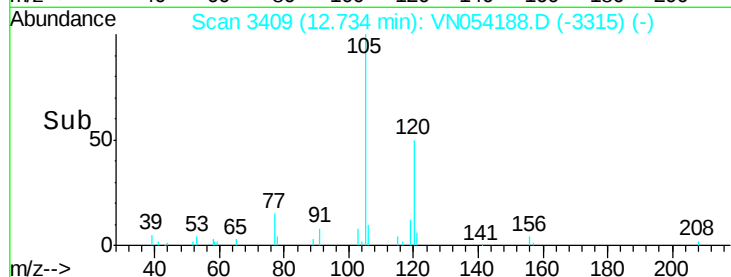
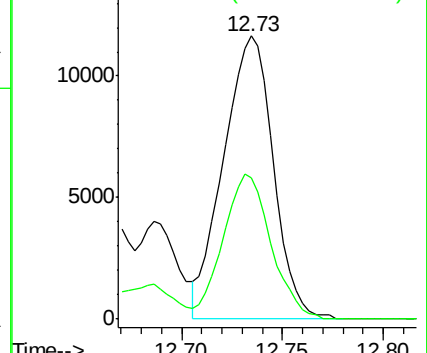
105 100

120 49.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.761 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

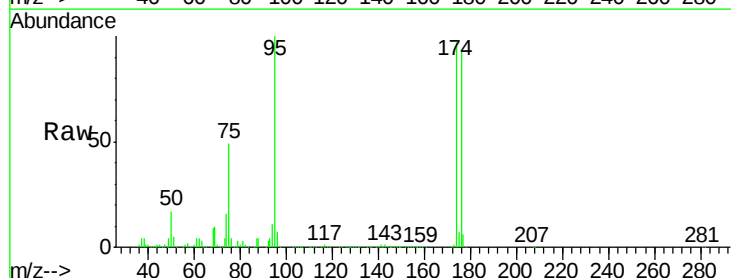
Tgt Ion: 75 Resp: 571052

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

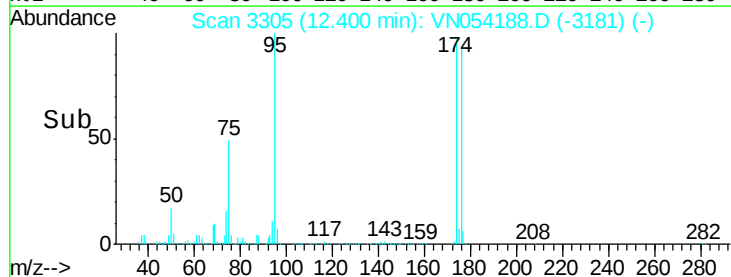
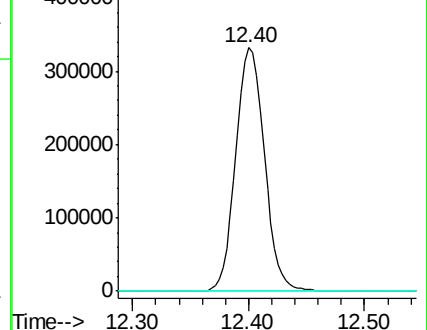
89 0.0 39.2 58.8#

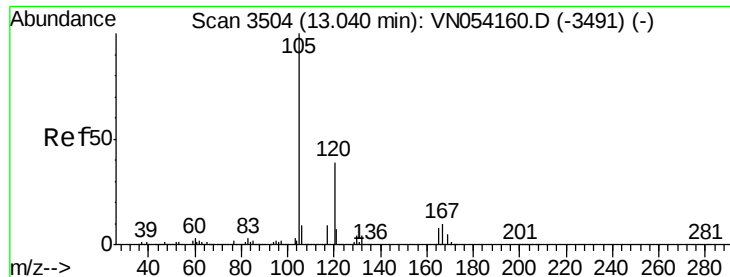


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.417 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampled :

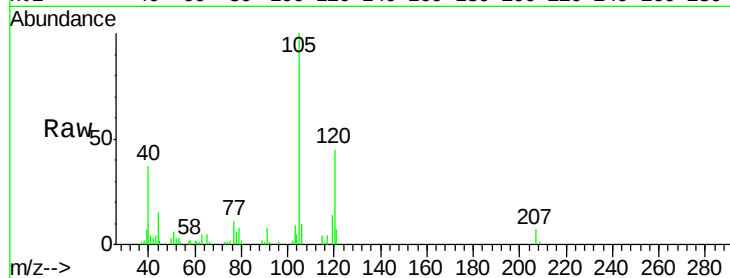
TP-2

Tot Ion:105 Resp: 32351

Ion Ratio Lower Upper

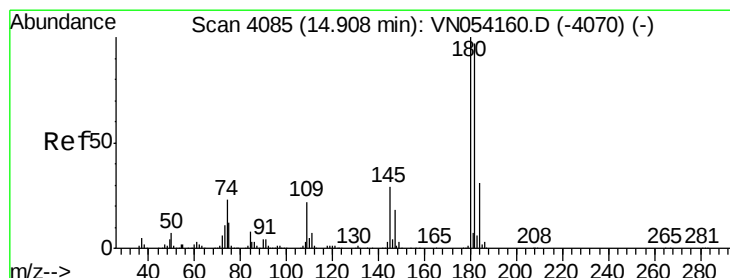
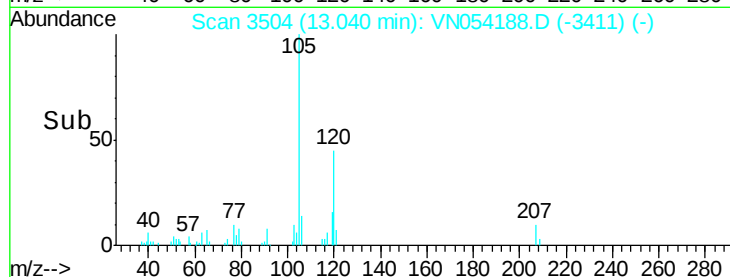
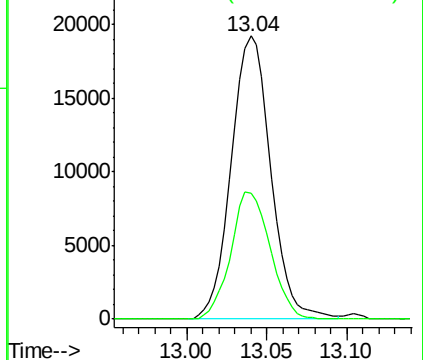
105 100

120 44.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 2.594 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

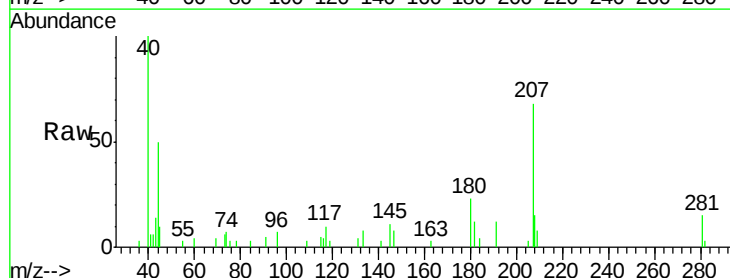
Tgt Ion:180 Resp: 2041

Ion Ratio Lower Upper

180 100

182 74.7 48.0 144.2

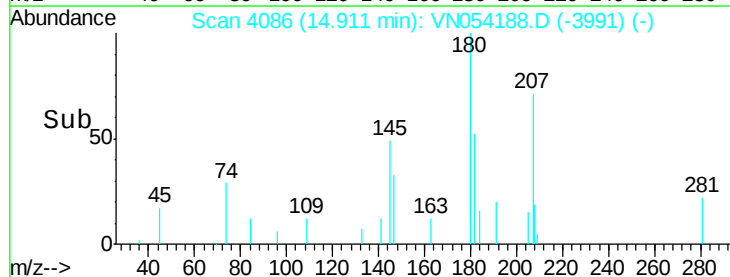
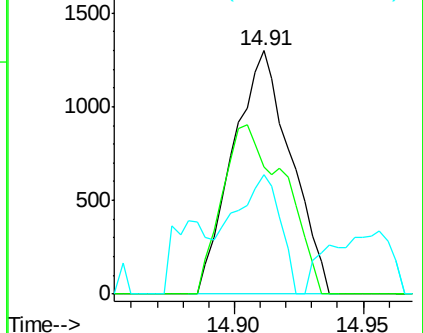
145 39.2 14.2 42.8

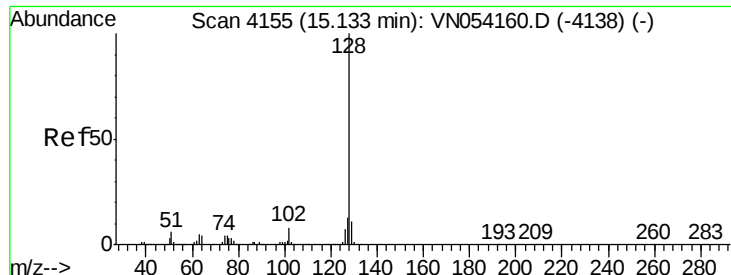


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.323 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054188.D

Acq: 13 Mar 2019 3:02

Instrument :

MSVOA_N

ClientSampleId :

TP-2

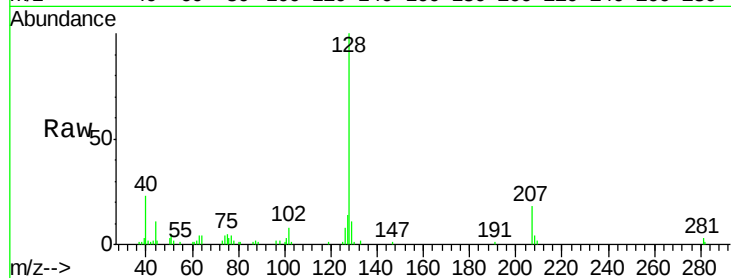
Tot Ion:128 Resp: 47743

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

