

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053255.D
 Acq On : 3 Jan 2019 12:03
 Operator : MD\SY
 Sample : K1017-26
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Jan 04 00:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1171188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1815304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1678574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	638456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	579397	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	522257	62.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.96%	
50) Toluene-d8	10.09	98	2218053	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	759912	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	

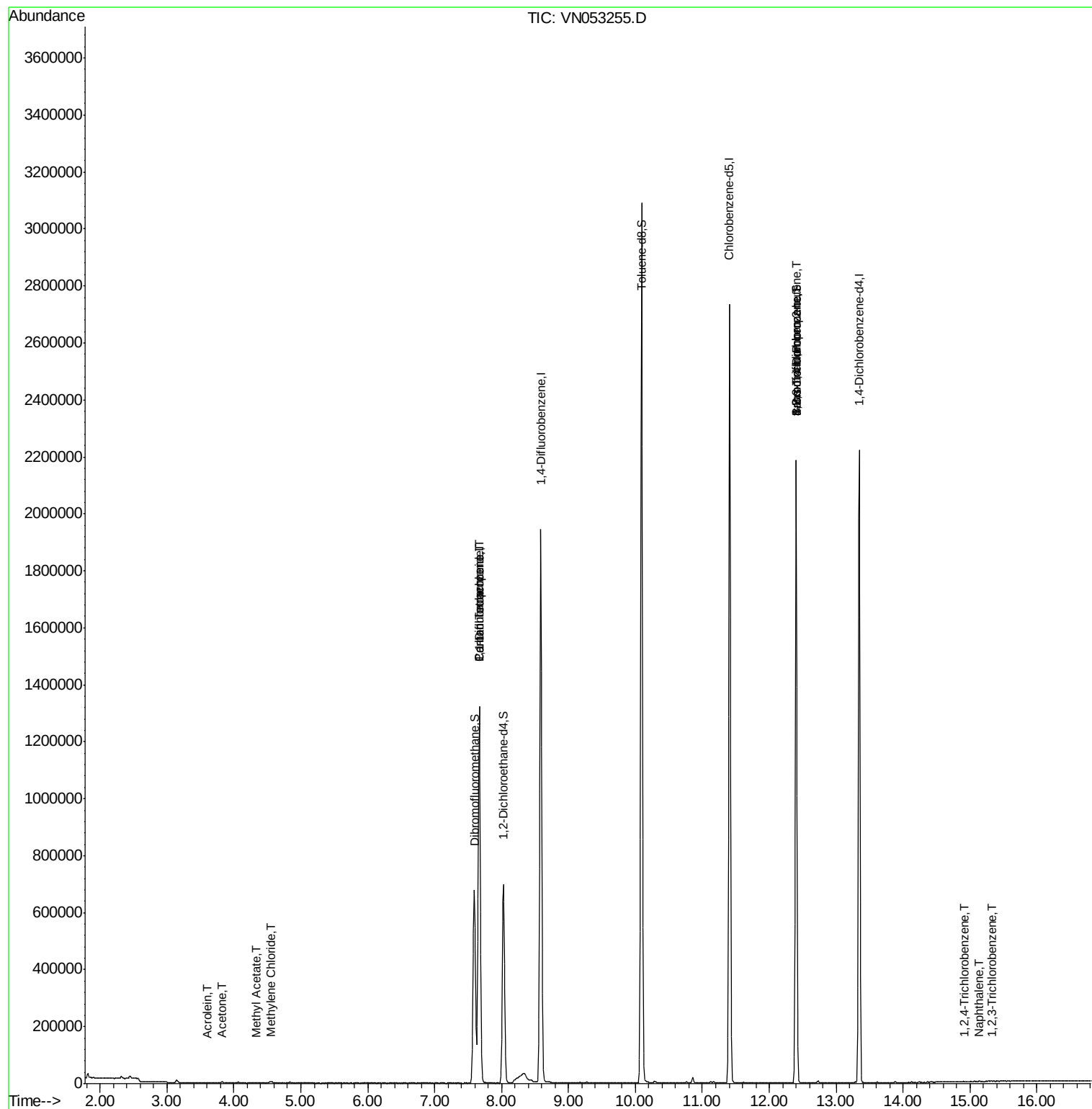
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	301	0.458	ug/l #	42
16) Acetone	3.82	43	8284	3.555	ug/l	97
18) Methyl Acetate	4.33	43	5912	1.540	ug/l #	83
20) Methylene Chloride	4.56	84	5006	0.394	ug/l #	88
31) Cyclohexane	7.67	56	19179	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	76808	4.408	ug/l #	49
38) Carbon Tetrachloride	7.67	117	101402	6.349	ug/l #	16
43) Isopropyl Acetate	8.21	43	11682	Below Cal	#	53
71) Bromoform	12.40	173	4700	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	353278	32.870	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	353278	105.944	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.92	180	520	0.641	ug/l #	80
95) Naphthalene	15.13	128	830	1.179	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	541	0.560	ug/l #	82

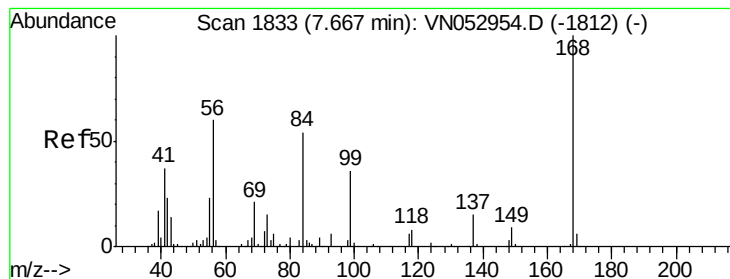
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
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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: VN053255.D

Acq: 3 Jan 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

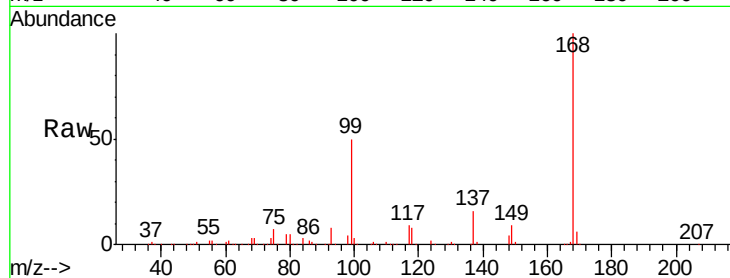
TP-5

Tgt Ion:168 Resp: 1171188

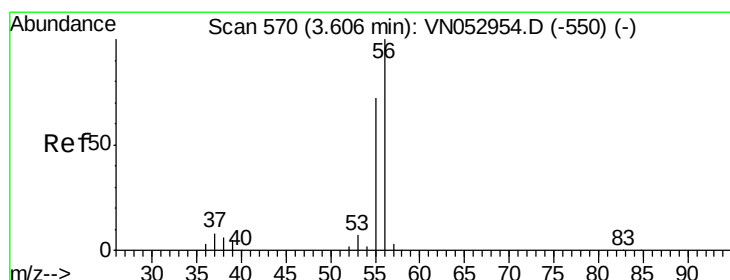
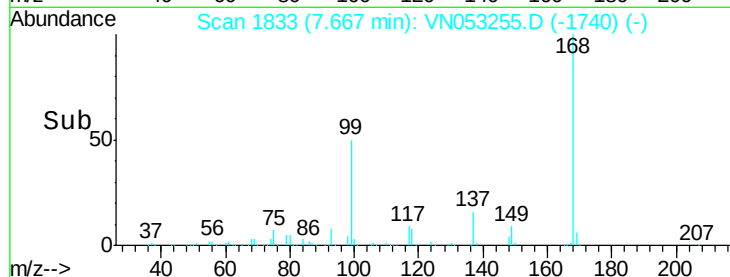
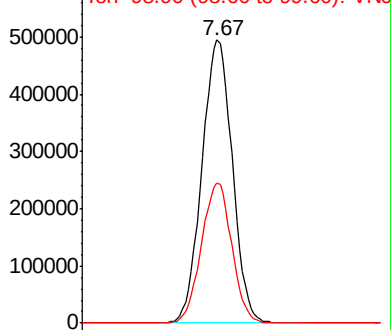
Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053255.D (-1740) (-)



#13

Acrolein

Concen: 0.458 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053255.D

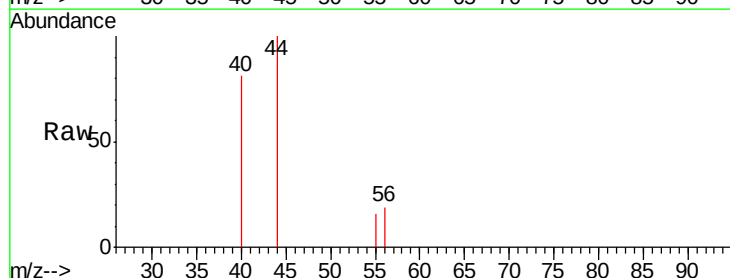
Acq: 3 Jan 2019 12:03

Tgt Ion: 56 Resp: 301

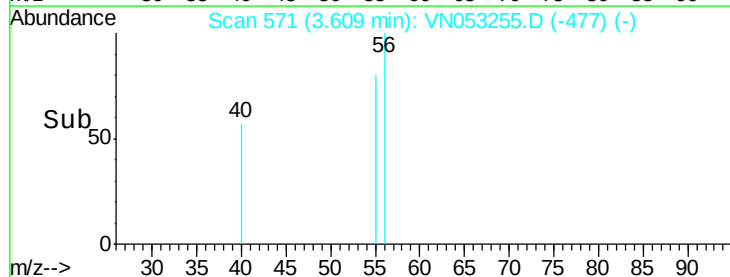
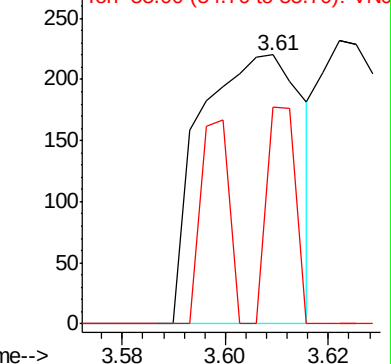
Ion Ratio Lower Upper

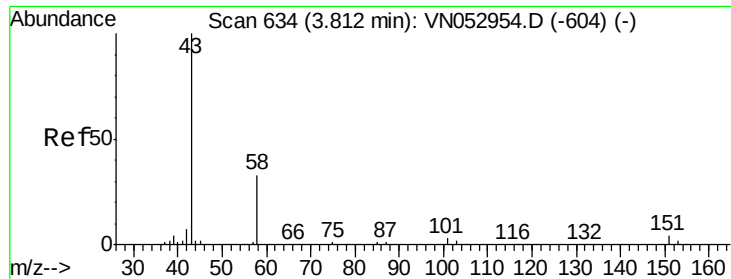
56 100

55 22.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053255.D (-477) (-)





#16

Acetone

Concen: 3.555 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

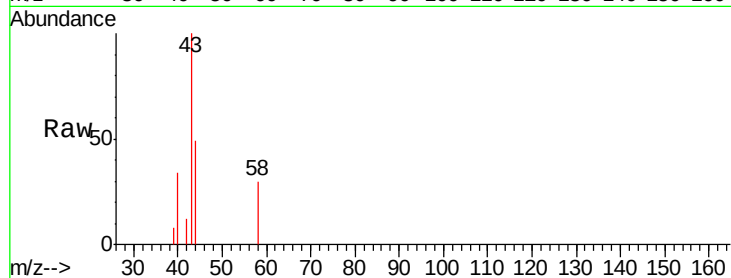
TP-5

Tgt Ion: 43 Resp: 8284

Ion Ratio Lower Upper

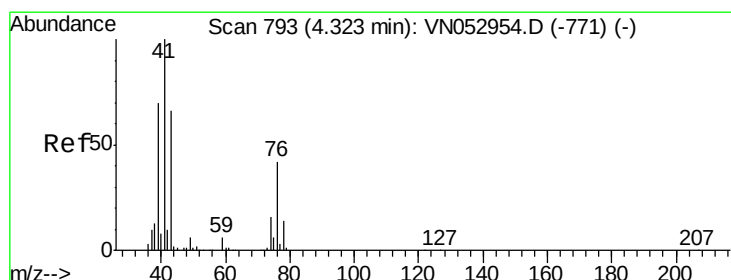
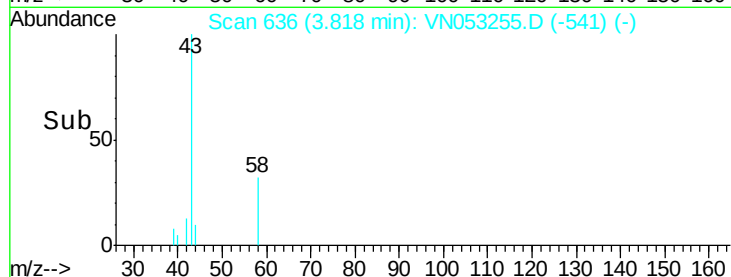
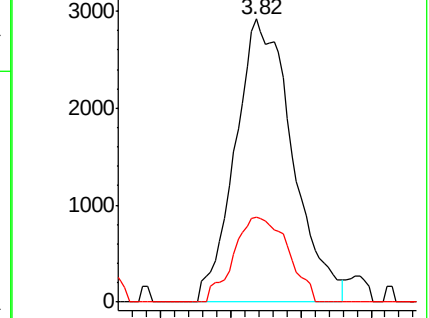
43 100

58 30.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.540 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053255.D

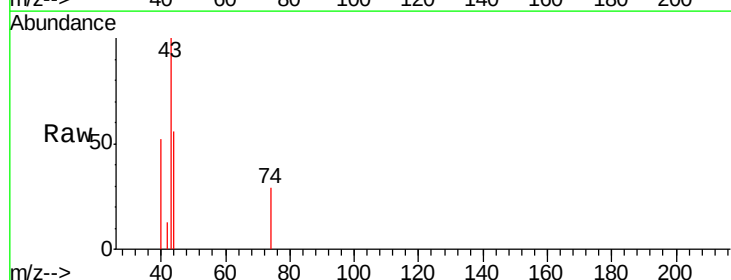
Acq: 3 Jan 2019 12:03

Tgt Ion: 43 Resp: 5912

Ion Ratio Lower Upper

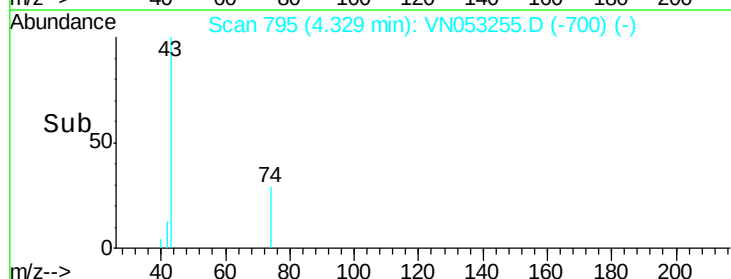
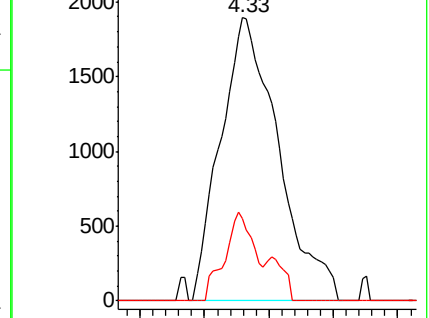
43 100

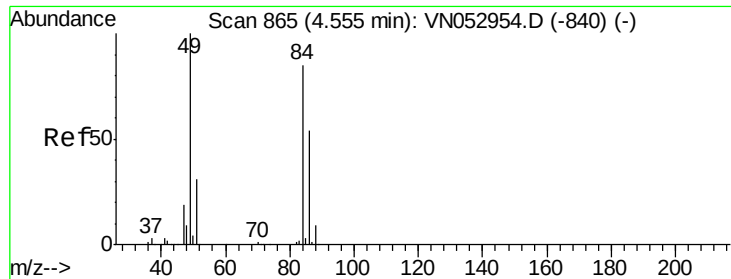
74 15.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

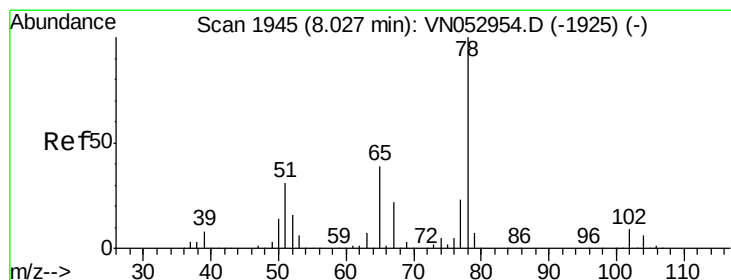
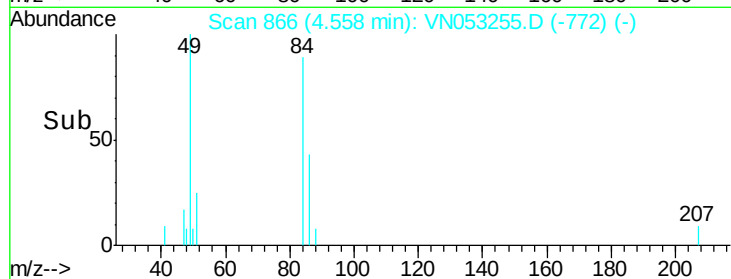
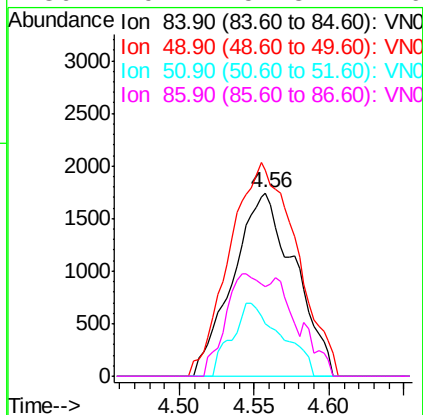
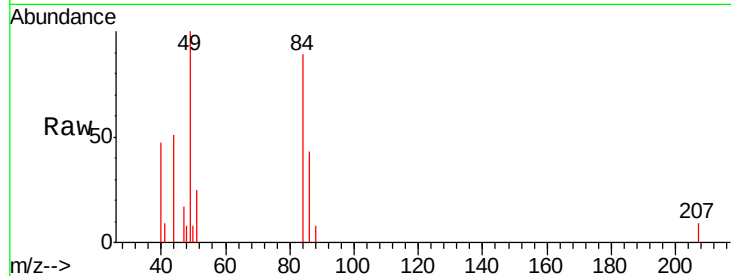




#20
Methylene Chloride
Concen: 0.394 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053255.D
Acq: 3 Jan 2019 12:03

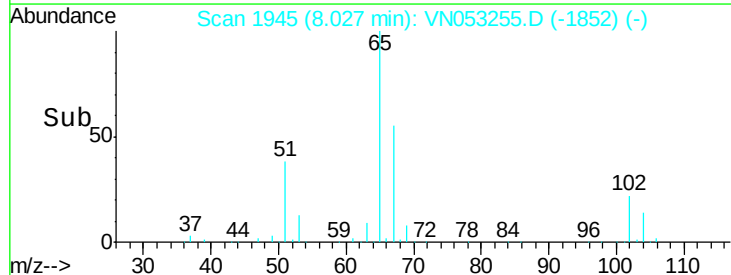
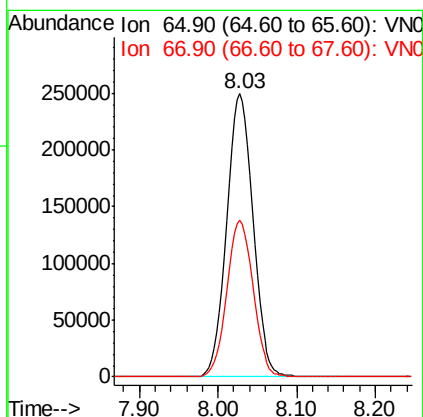
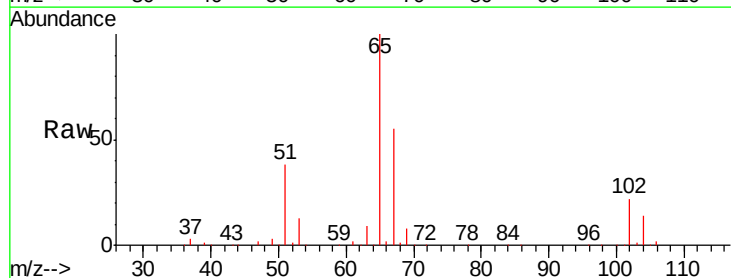
Instrument :
MSVOA_N
ClientSampled :
TP-5

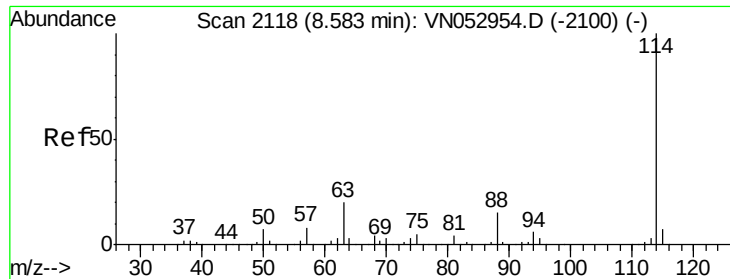
Tgt Ion: 84 Resp: 5006
Ion Ratio Lower Upper
84 100
49 112.8 96.8 145.2
51 28.7 29.9 44.9#
86 49.1 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053255.D
Acq: 3 Jan 2019 12:03

Tgt Ion: 65 Resp: 579397
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.4

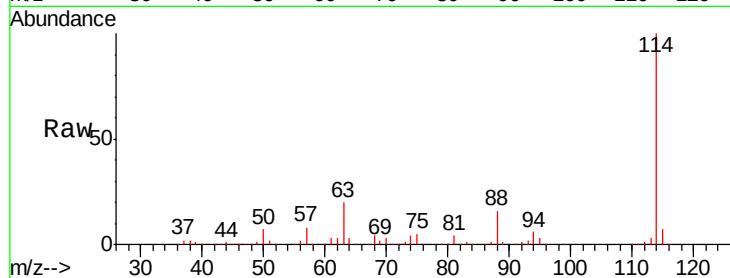




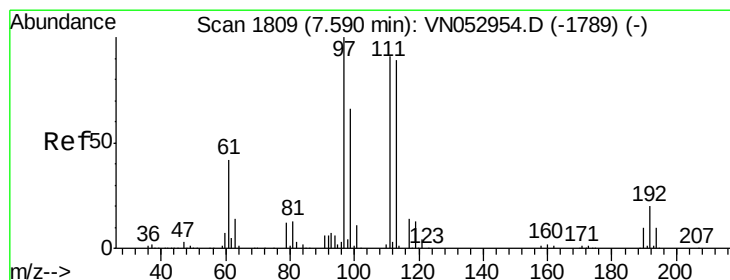
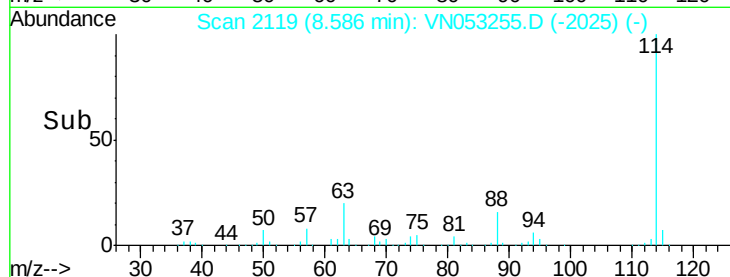
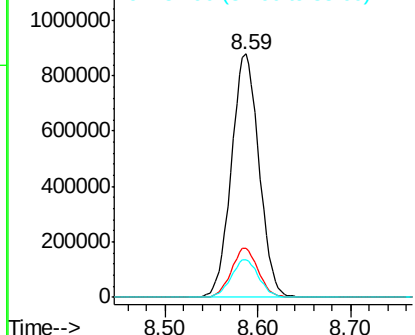
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tgt Ion:114 Resp: 1815304
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.6 0.0 31.0

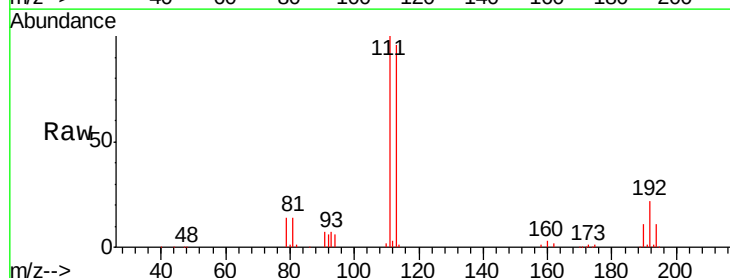


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

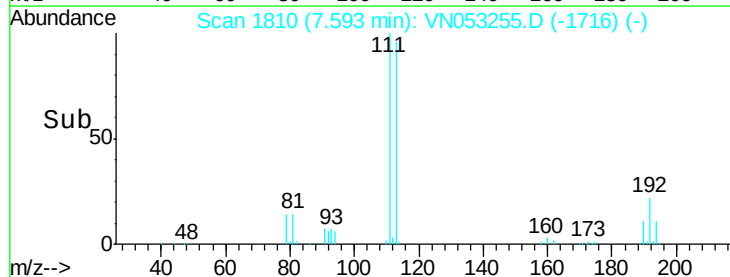
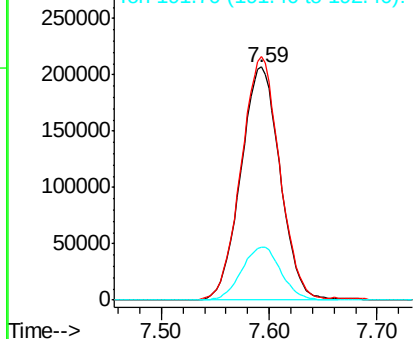


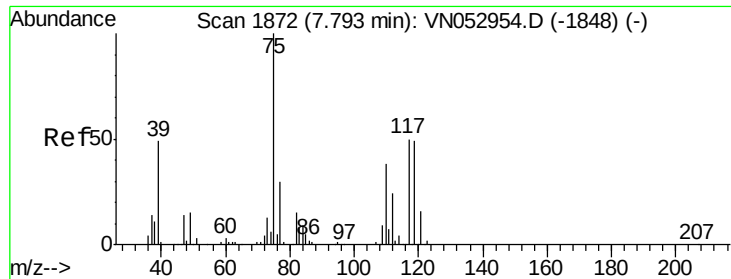
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Tgt Ion:113 Resp: 522257
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 22.9 17.5 26.3



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

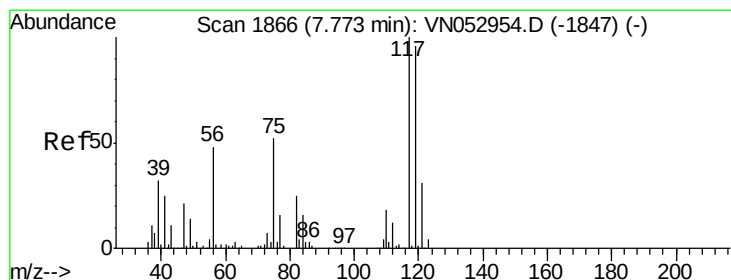
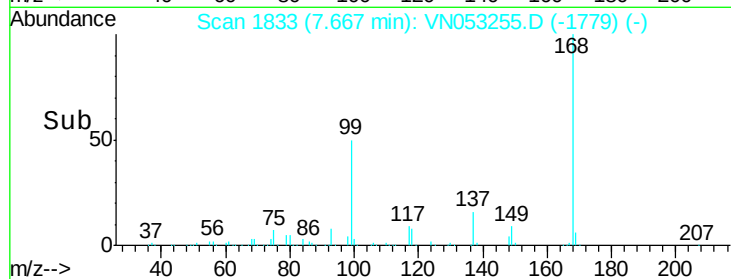
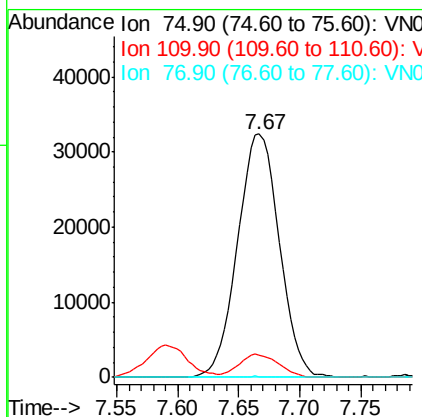
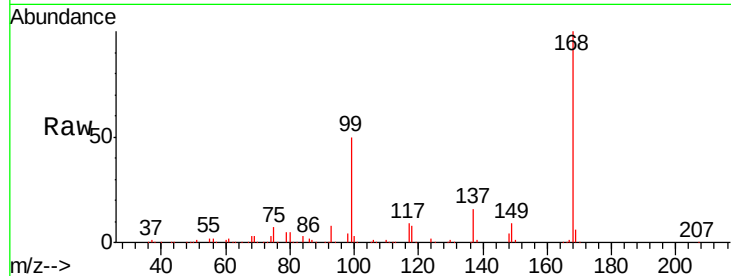




#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

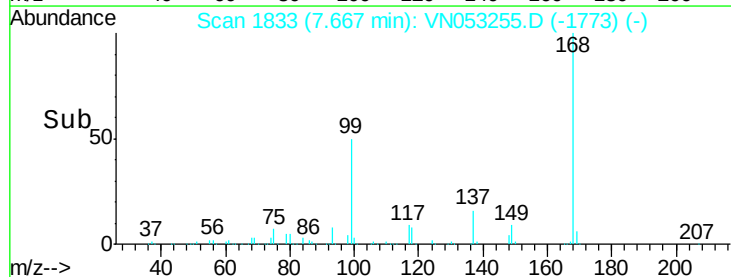
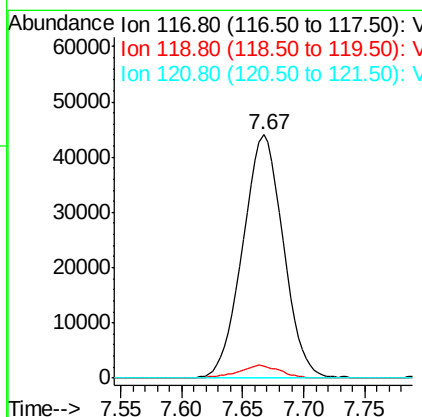
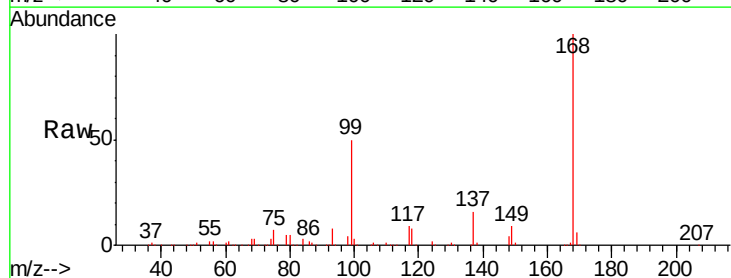
Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

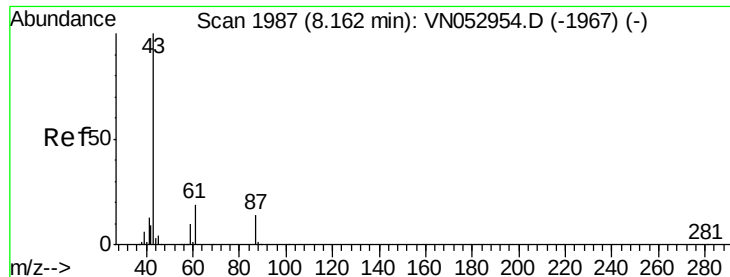
Tgt Ion: 75 Resp: 76808
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.349 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Tgt Ion: 117 Resp: 101402
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.1 115.7#
 121 0.0 24.9 37.3#



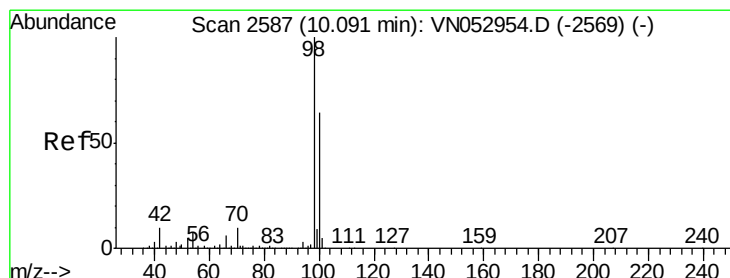
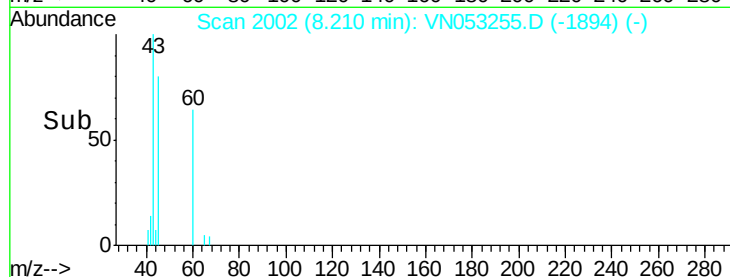
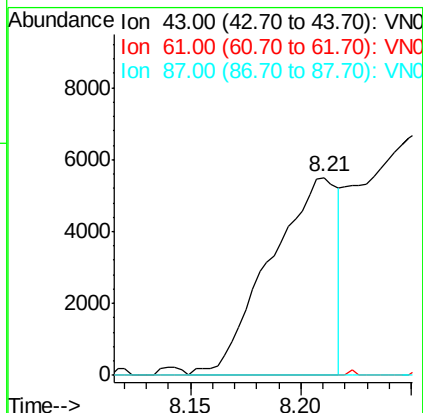
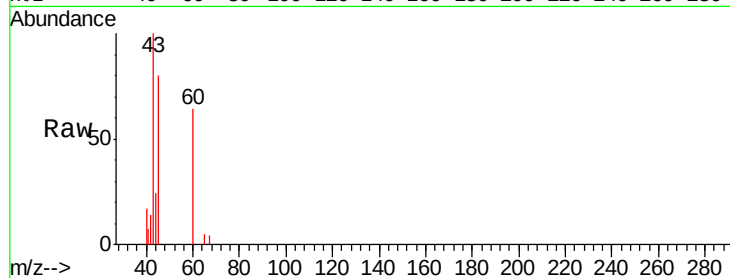


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.21 min Scan# 2002
 Delta R.T. 0.05 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

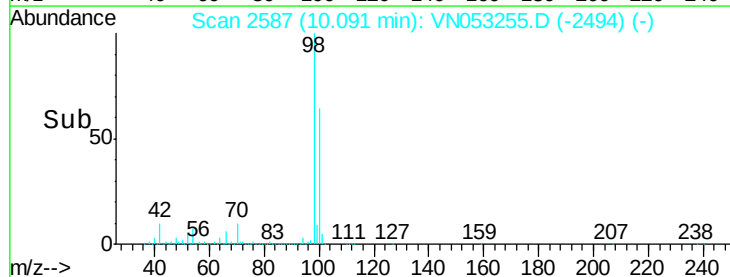
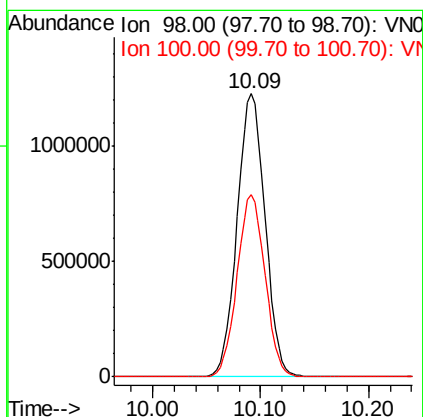
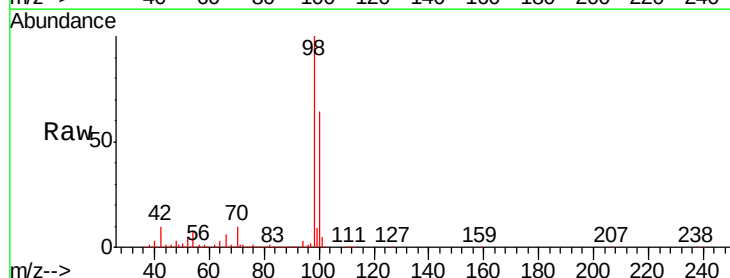
Tgt Ion: 43 Resp: 11682
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.9 34.3#
 87 0.0 10.6 15.8#

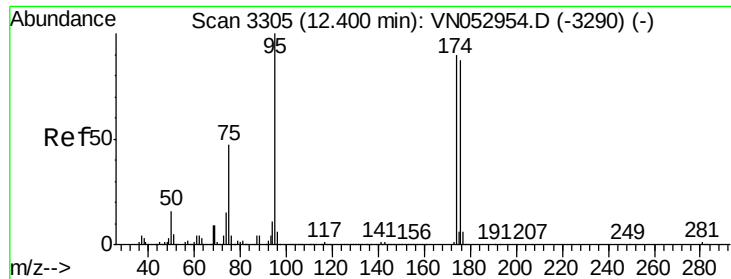


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Tgt Ion: 98 Resp: 2218053
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

Instrument :
MSVOA_N
ClientSampled :
TP-5

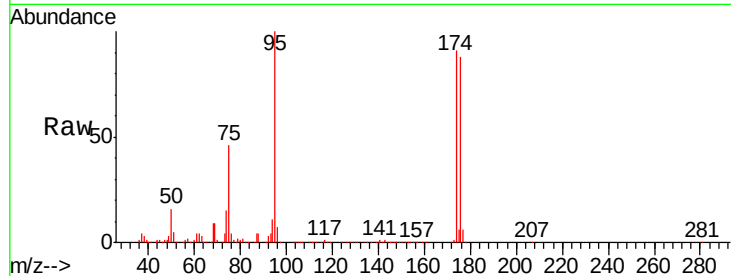
Tgt Ion: 95 Resp: 759912

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.8

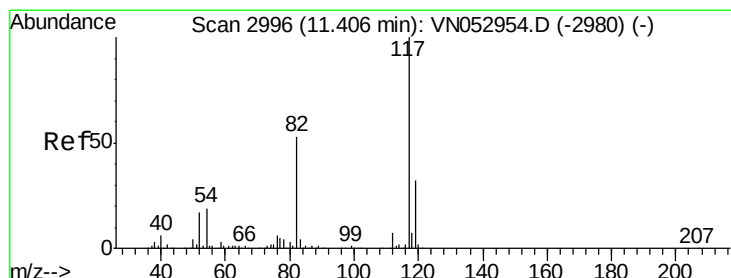
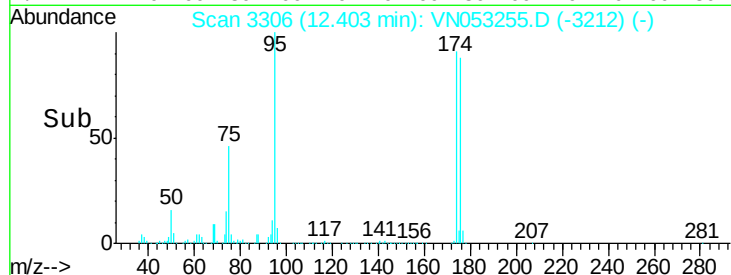
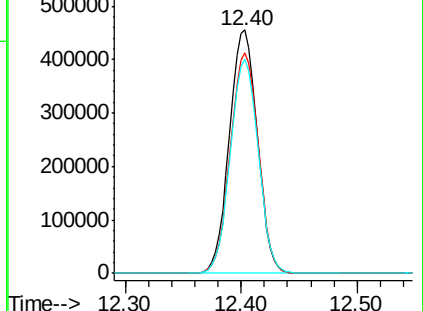
176 87.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN053255.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053255.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053255.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

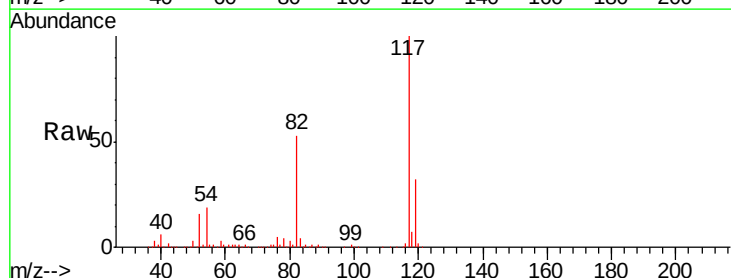
Tgt Ion: 117 Resp: 1678574

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

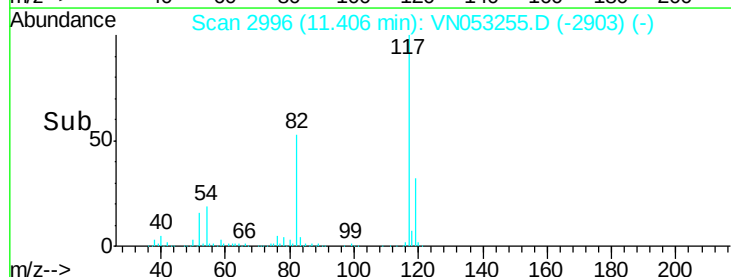
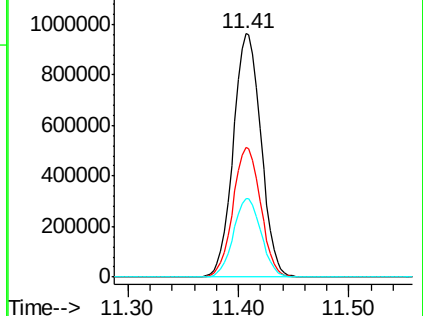
119 32.3 25.5 38.3

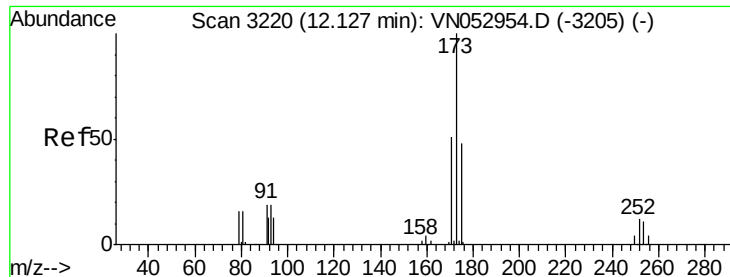


Abundance Ion 116.90 (116.60 to 117.60): VN053255.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053255.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053255.D (-2980) (-)





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

TP-5

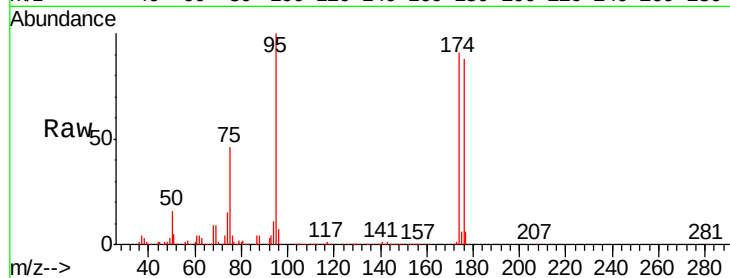
Tgt Ion:173 Resp: 4700

Ion Ratio Lower Upper

173 100

175 882.5 24.3 72.9#

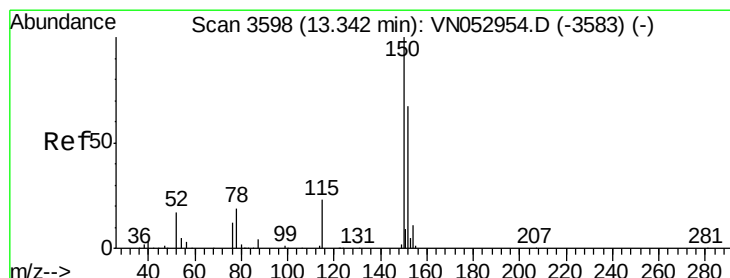
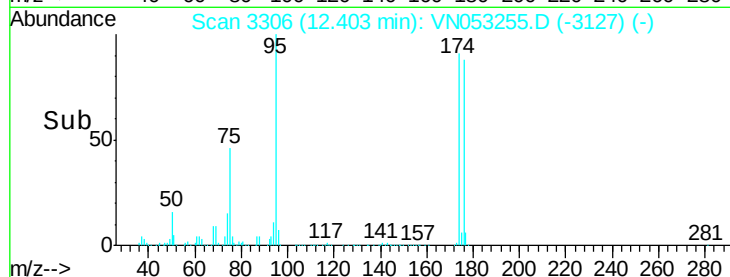
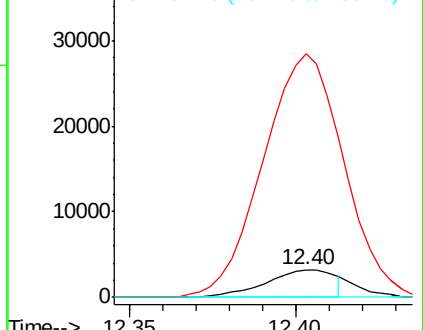
254 0.0 0.1 0.1#



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: VN053255.D

Acq: 3 Jan 2019 12:03

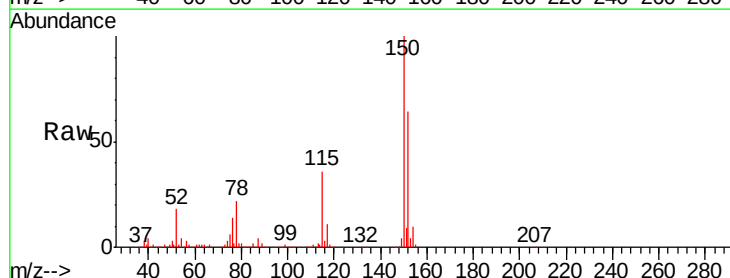
Tgt Ion:152 Resp: 638456

Ion Ratio Lower Upper

152 100

115 55.7 28.3 85.0

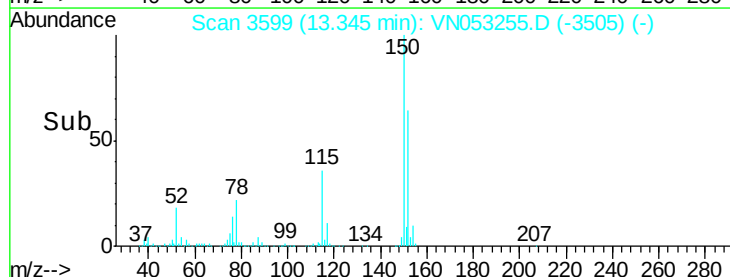
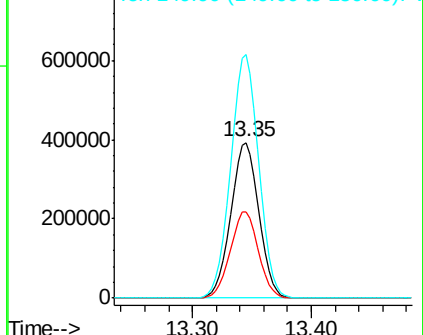
150 156.9 0.0 347.8

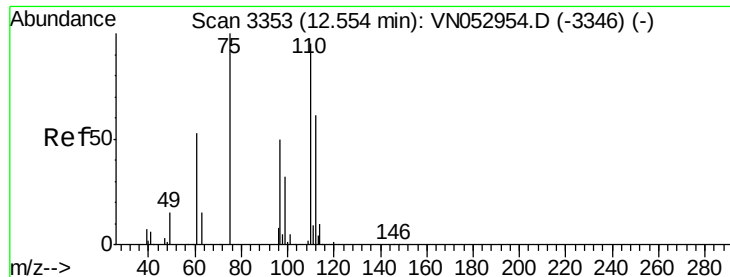


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.870 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

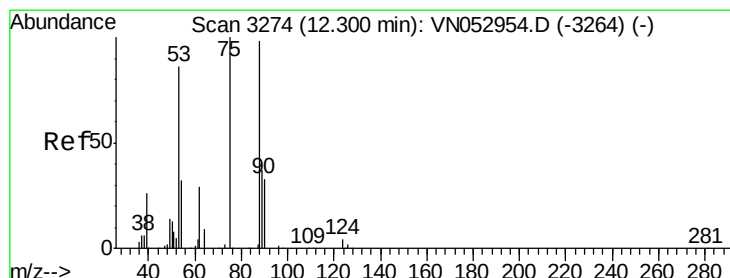
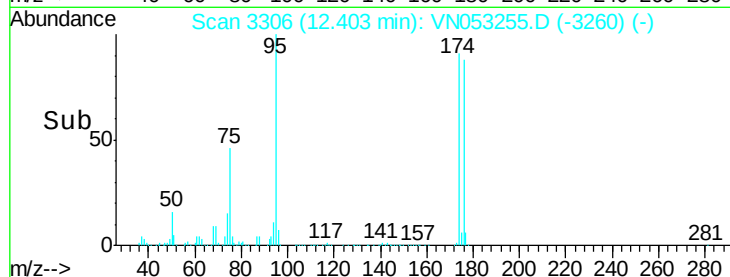
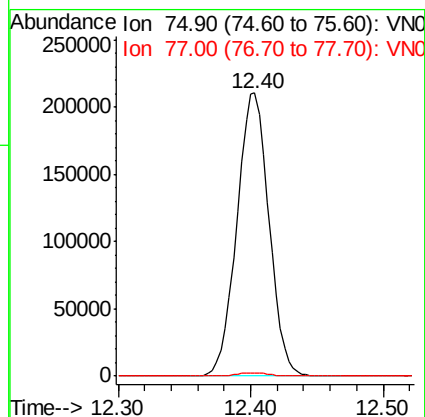
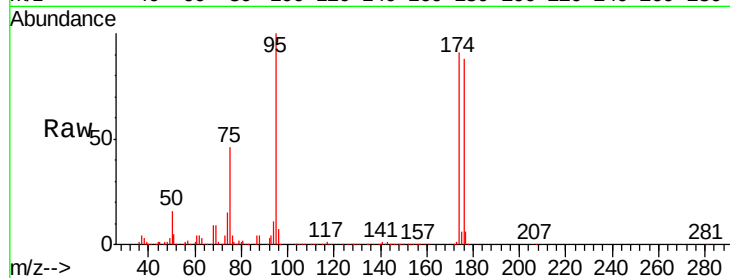
TP-5

Tgt Ion: 75 Resp: 353278

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.944 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053255.D

Acq: 3 Jan 2019 12:03

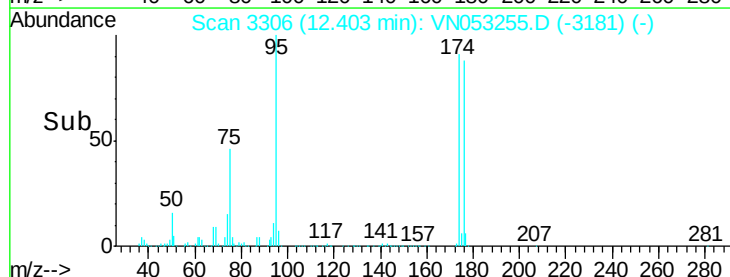
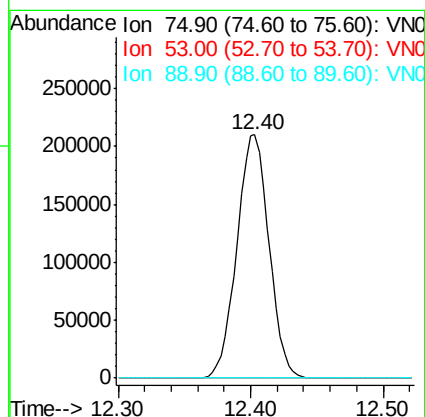
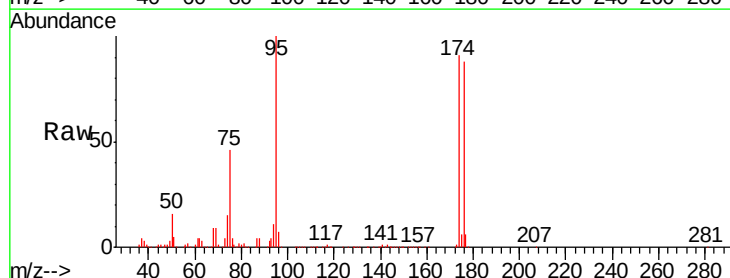
Tgt Ion: 75 Resp: 353278

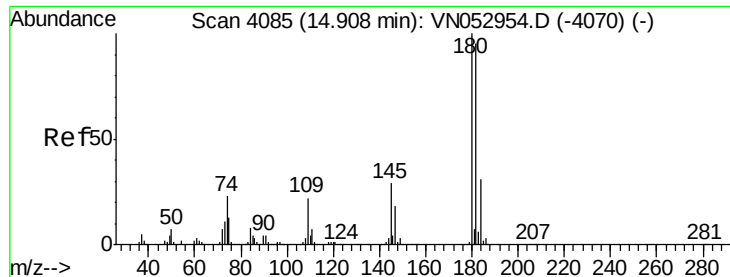
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

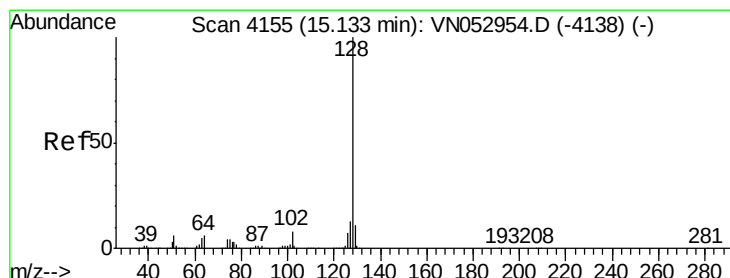
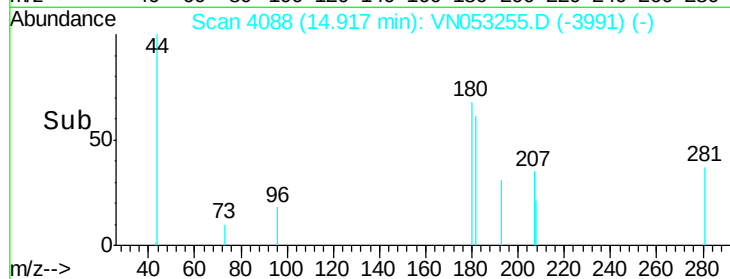
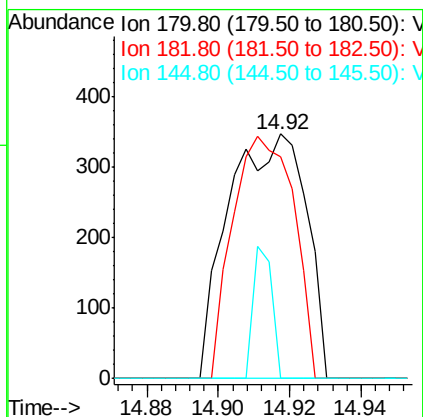
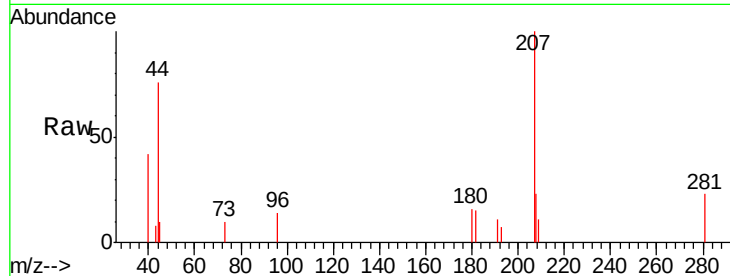




#93
 1,2,4-Trichlorobenzene
 Concen: 0.641 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

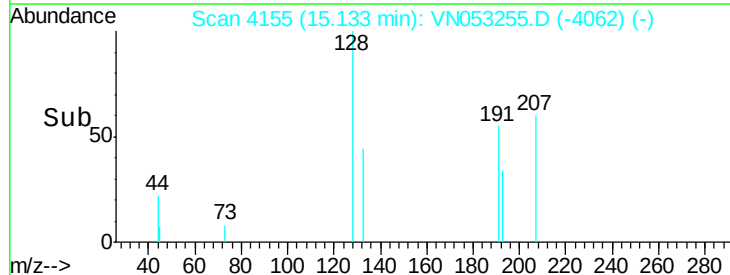
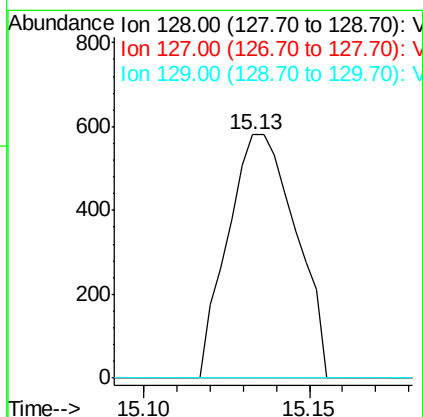
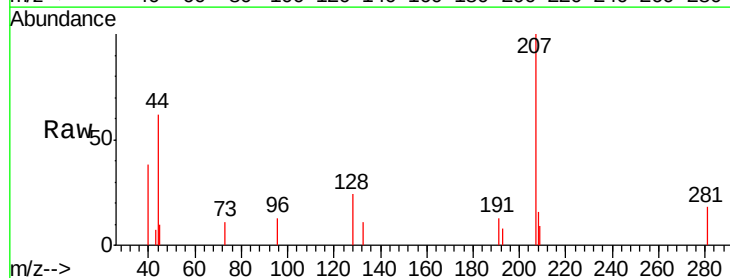
Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

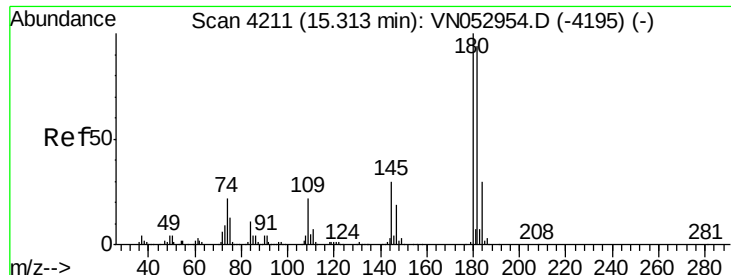
Tgt Ion:180 Resp: 520
 Ion Ratio Lower Upper
 180 100
 182 78.3 47.8 143.3
 145 13.1 14.2 42.6#



#95
 Naphthalene
 Concen: 1.179 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Tgt Ion:128 Resp: 830
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.6 13.0#

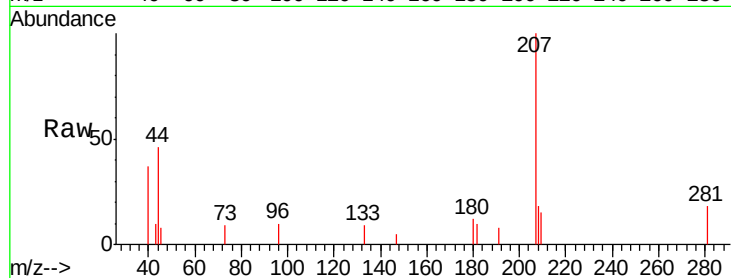




#96
 1,2,3-Trichlorobenzene
 Concen: 0.560 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053255.D
 Acq: 3 Jan 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.9	143.7
145	0.0	15.0	45.0#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

