

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052125.D
 Acq On : 2 Nov 2018 13:28
 Operator : MD\SY
 Sample : PB114370ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114370ZHE#14

Quant Time: Nov 02 23:12:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	294226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	541433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	252785	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.59	113	208726	61.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.24%	
50) Toluene-d8	10.09	98	822055	60.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.44%	
62) 4-Bromofluorobenzene	12.40	95	278459	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	

Target Compounds

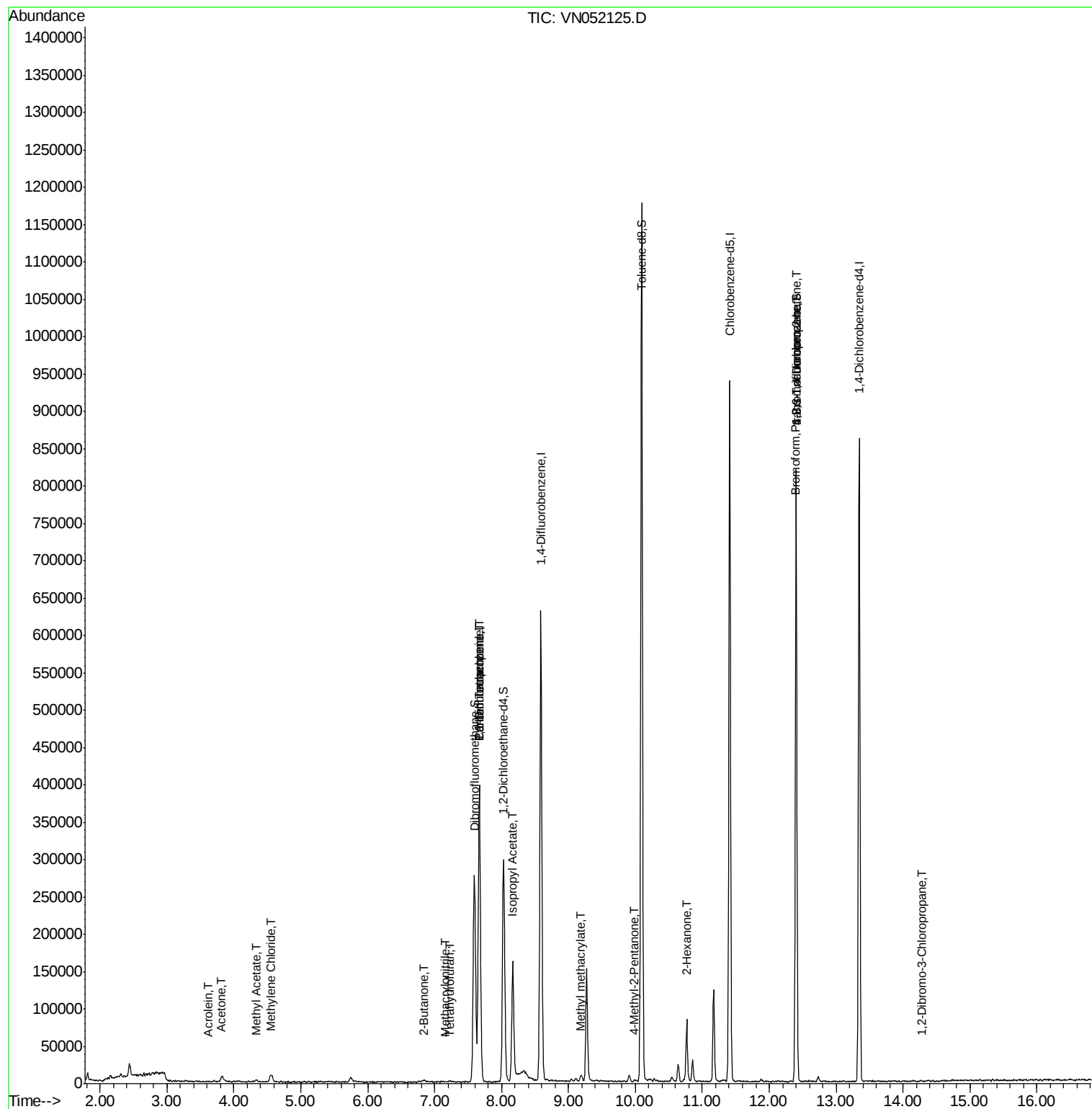
						Qvalue
13) Acrolein	3.61	56	67	24.292	ug/l #	12
16) Acetone	3.82	43	13817	13.710	ug/l	98
18) Methyl Acetate	4.33	43	4996	1.557	ug/l #	86
20) Methylene Chloride	4.55	84	6998	1.822	ug/l #	67
25) 2-Butanone	6.85	43	2633	1.666	ug/l #	82
29) Tetrahydrofuran	7.22	42	881	0.837	ug/l #	63
31) Cyclohexane	7.67	56	7346	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	26089	4.739	ug/l #	53
38) Carbon Tetrachloride	7.67	117	32671	6.883	ug/l #	16
41) Methacrylonitrile	7.17	41	237	0.267	ug/l #	1
43) Isopropyl Acetate	8.17	43	196560	29.991	ug/l	96
48) Methyl methacrylate	9.18	41	4071	1.225	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	971	0.273	ug/l	95
59) 2-Hexanone	10.76	43	10759	4.238	ug/l	66
71) Bromoform	12.39	173	165	2.248	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	146111	38.205	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146111	126.807	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33	0.971	ug/l #	11

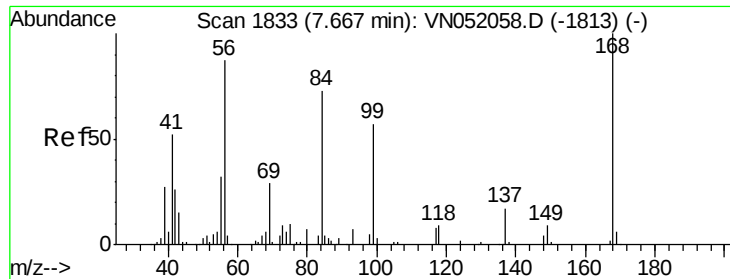
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

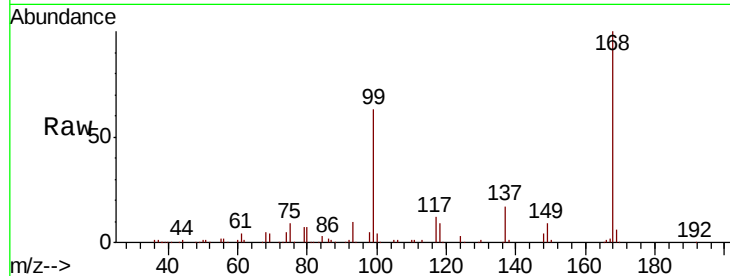
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#14

Tot Ion:168 Resp: 294226

Ion Ratio Lower Upper

168 100

99 62.7 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052125.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052125.D (-1740) (-)

7.67

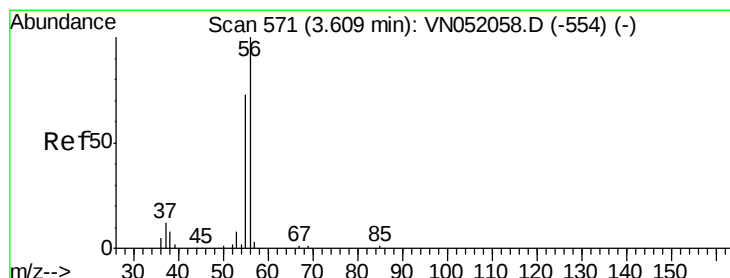
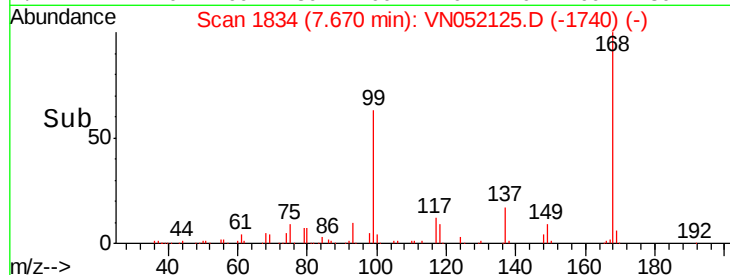
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 24.292 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052125.D

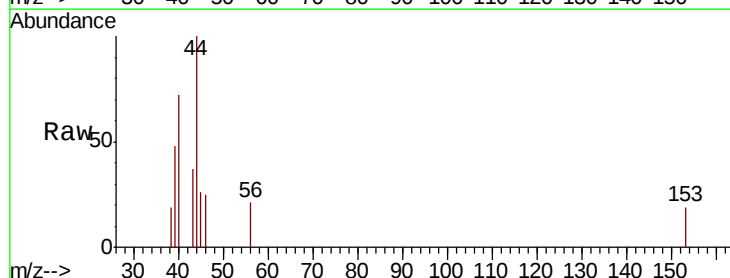
Acq: 2 Nov 2018 13:28

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052125.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052125.D (-478) (-)

3.61

250

200

150

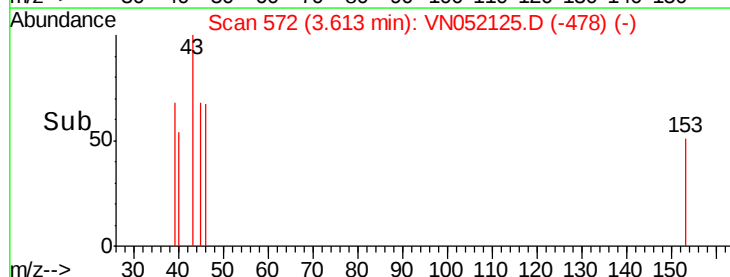
100

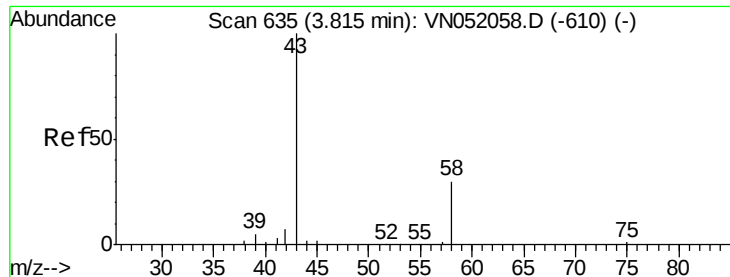
50

0

Time-->

3.60 3.61 3.62 3.63





#16

Acetone

Concen: 13.710 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

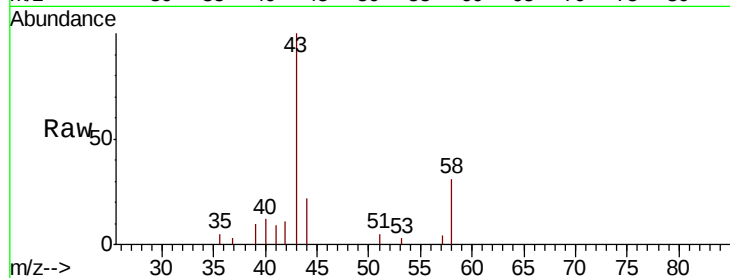
PB114370ZHE#14

Tot Ion: 43 Resp: 13817

Ion Ratio Lower Upper

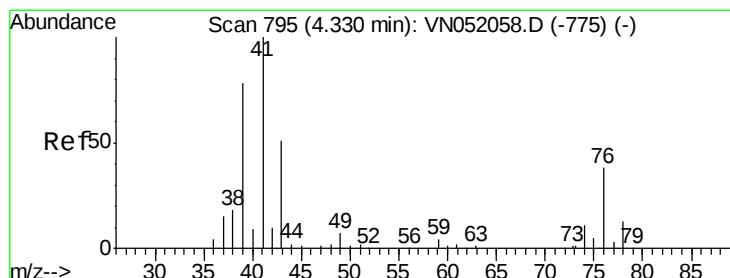
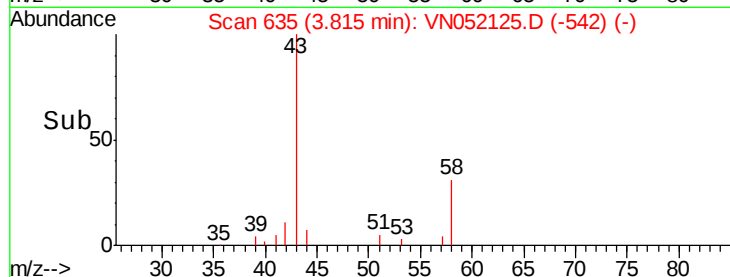
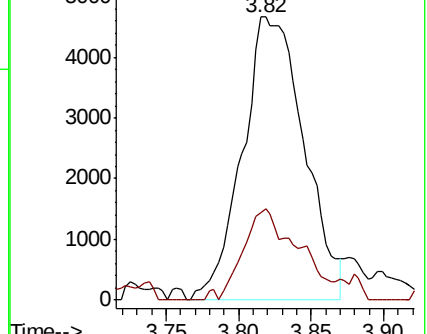
43 100

58 31.1 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.557 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052125.D

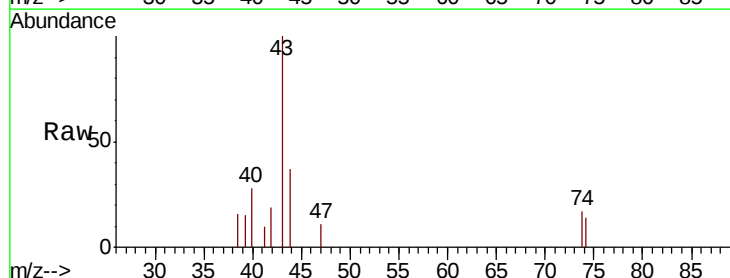
Acq: 2 Nov 2018 13:28

Tgt Ion: 43 Resp: 4996

Ion Ratio Lower Upper

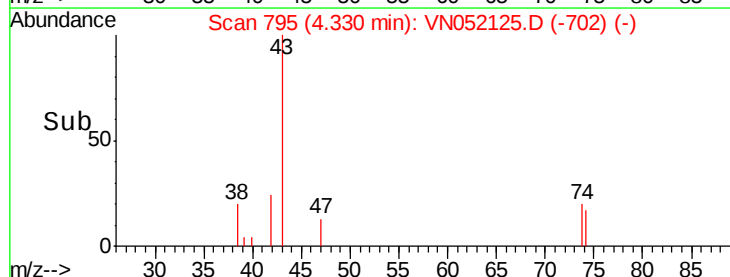
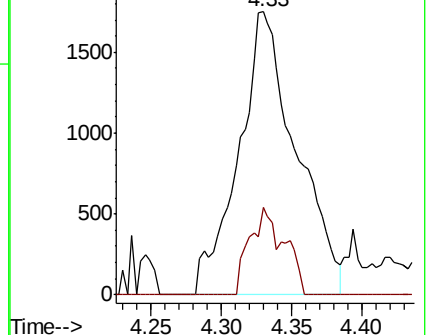
43 100

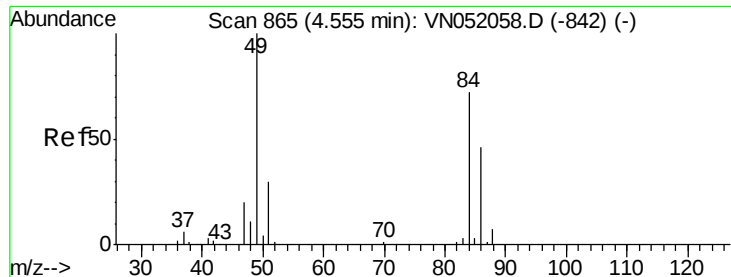
74 15.5 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 1.822 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

Tot Ion: 84 Resp: 6998

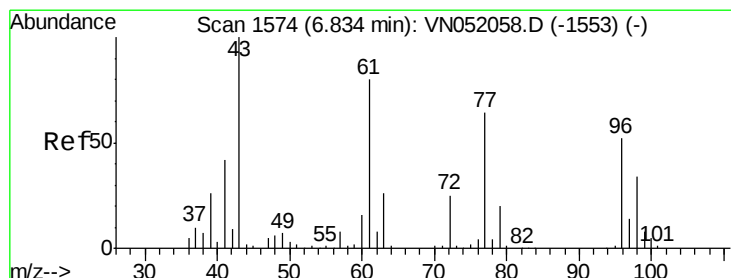
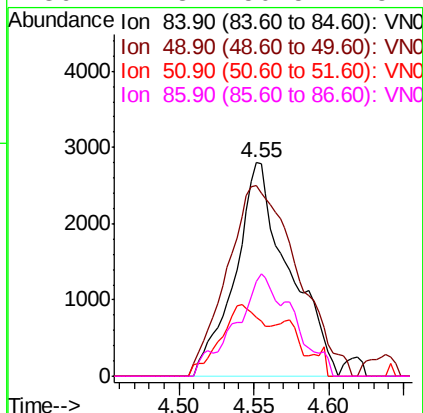
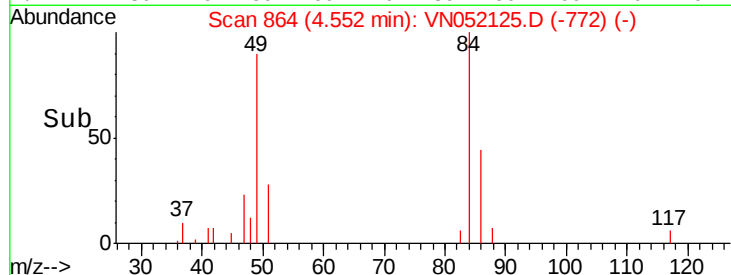
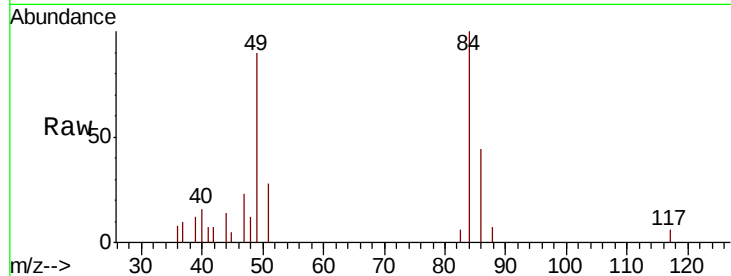
Ion Ratio Lower Upper

84 100

49 89.5 110.6 165.8#

51 27.7 33.7 50.5#

86 44.3 50.5 75.7#



#25

2-Butanone

Concen: 1.666 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VN052125.D

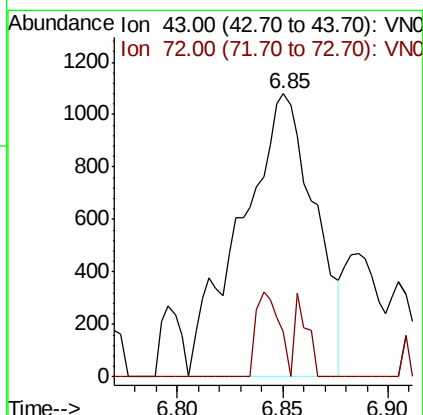
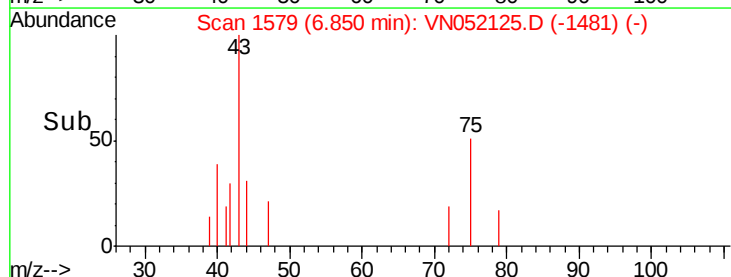
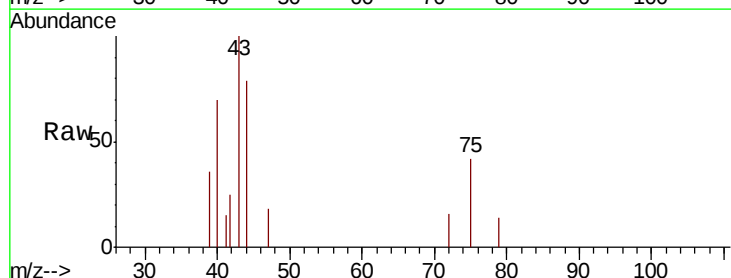
Acq: 2 Nov 2018 13:28

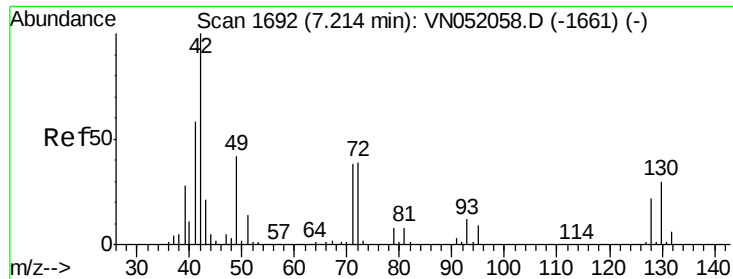
Tgt Ion: 43 Resp: 2633

Ion Ratio Lower Upper

43 100

72 16.2 20.2 30.2#

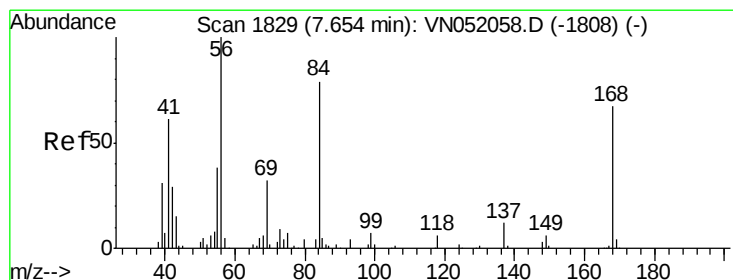
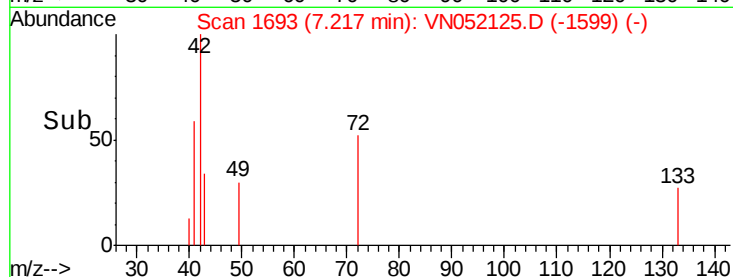
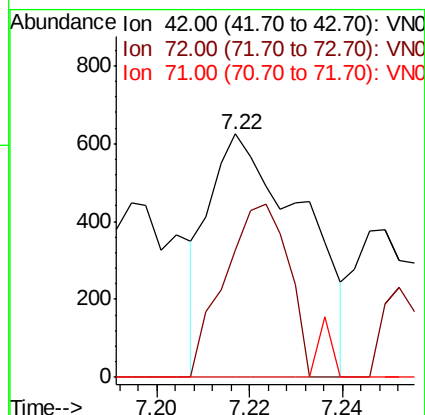
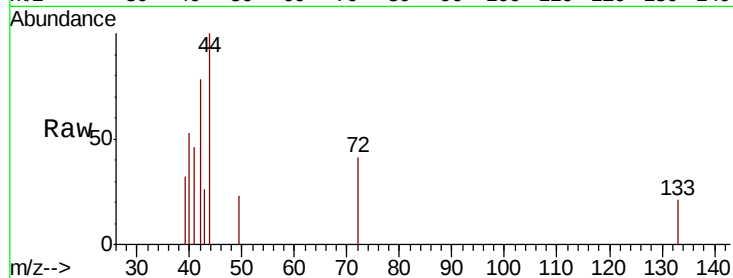




#29
Tetrahydrofuran
Concen: 0.837 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

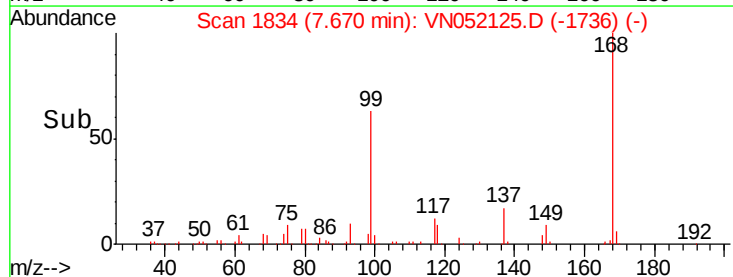
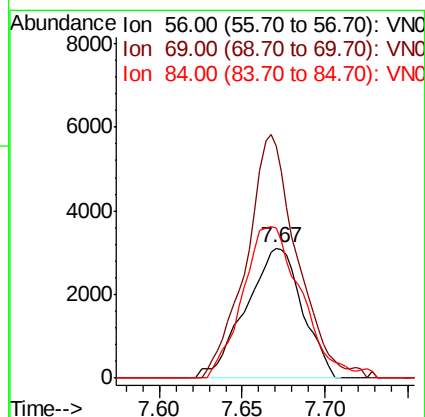
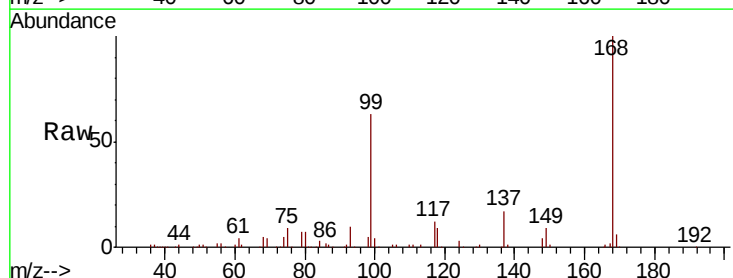
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#14

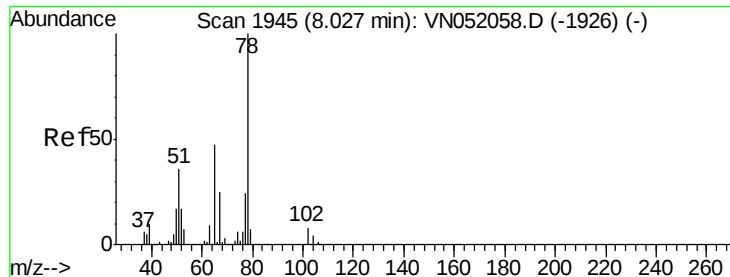
Tot Ion: 42 Resp: 881
Ion Ratio Lower Upper
42 100
72 48.1 32.5 48.7
71 0.0 30.6 46.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

Tgt Ion: 56 Resp: 7346
Ion Ratio Lower Upper
56 100
69 178.8 25.8 38.6#
84 115.5 63.5 95.3#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

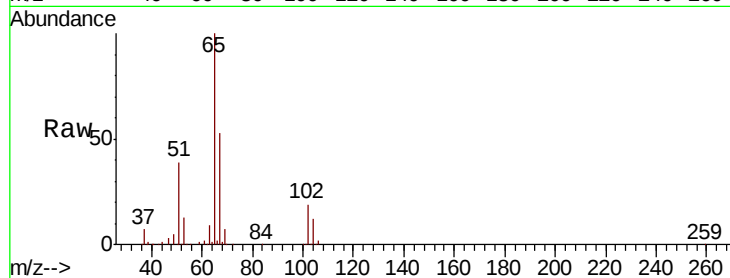
PB114370ZHE#14

Tot Ion: 65 Resp: 252785

Ion Ratio Lower Upper

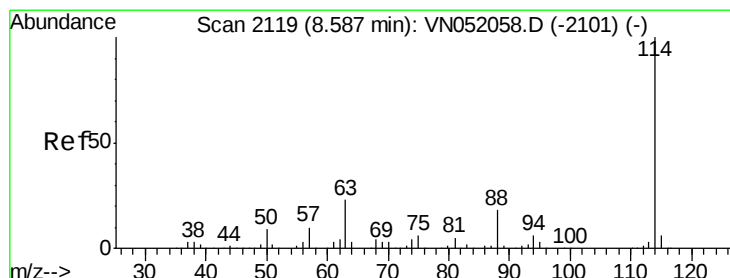
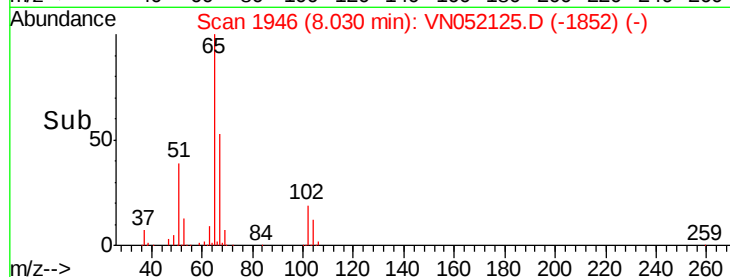
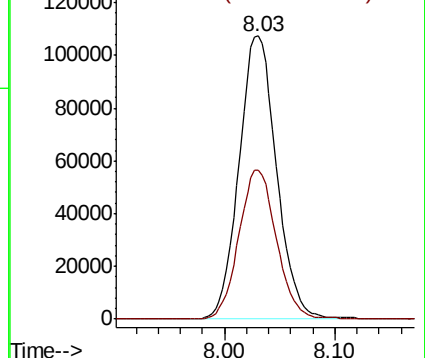
65 100

67 53.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052125.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052125.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

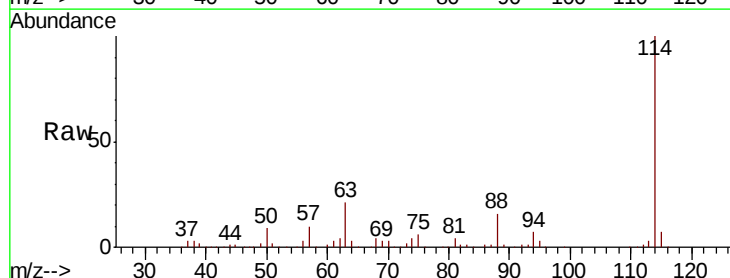
Tgt Ion: 114 Resp: 541433

Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.0

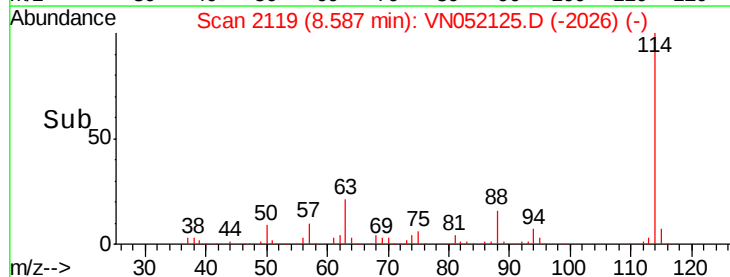
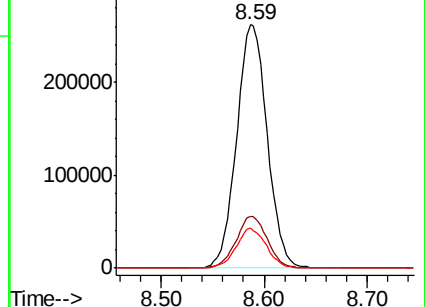
88 16.2 0.0 35.4

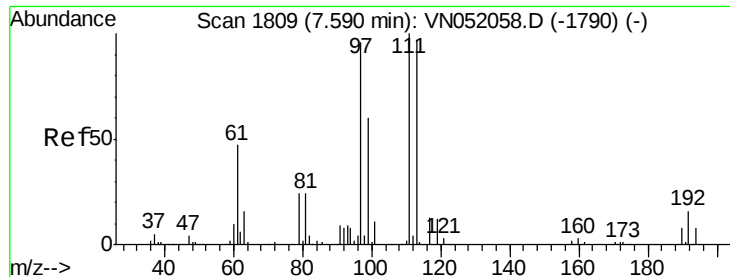


Abundance Ion 113.90 (113.60 to 114.60): VN052125.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN052125.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN052125.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

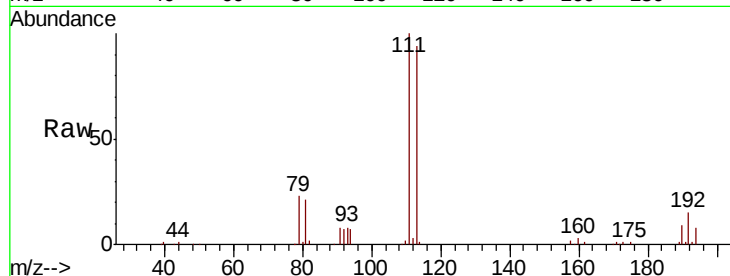
Tot Ion:113 Resp: 208726

Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

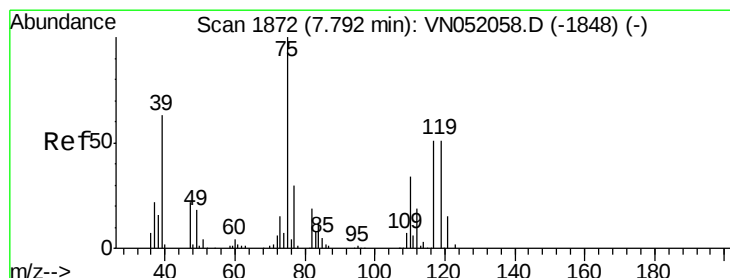
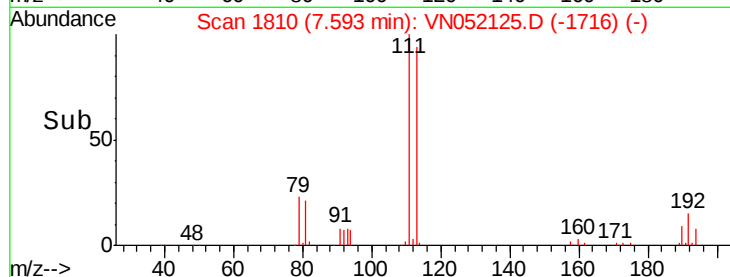
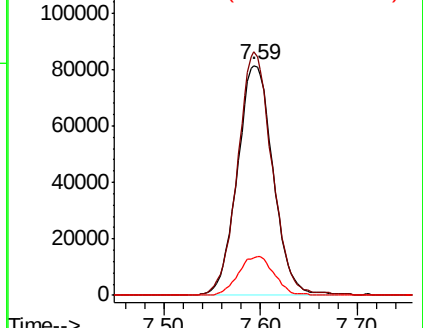
192 16.8 12.7 19.1



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: 4.739 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

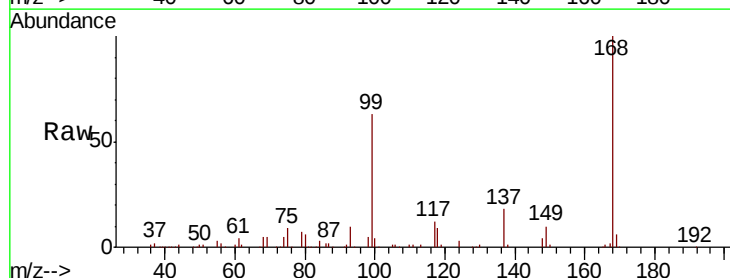
Tgt Ion: 75 Resp: 26089

Ion Ratio Lower Upper

75 100

110 10.7 16.0 48.0#

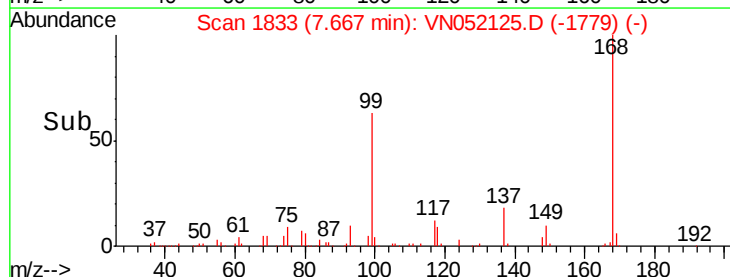
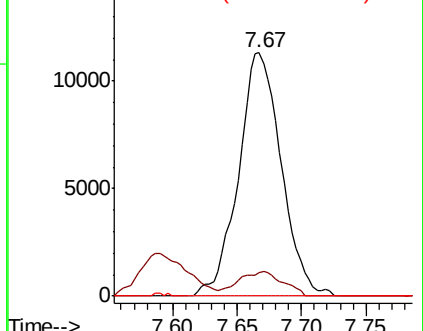
77 0.0 24.5 36.7#

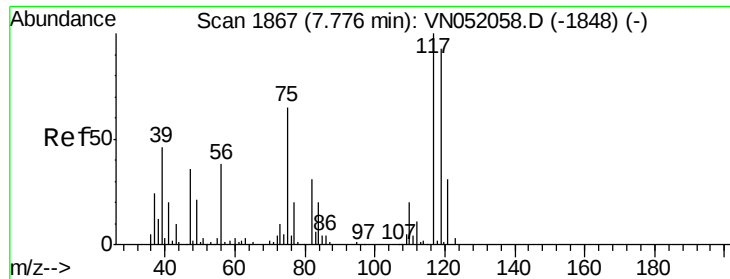


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.883 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

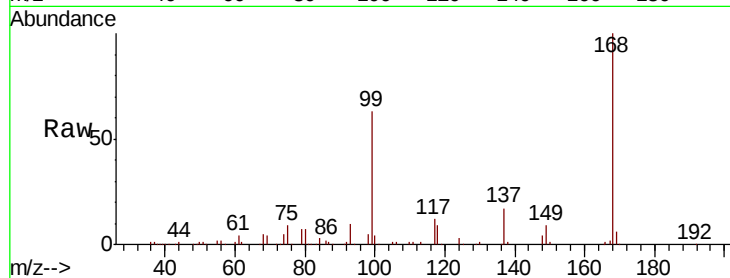
Tot Ion:117 Resp: 32671

Ion Ratio Lower Upper

117 100

119 4.2 74.8 112.2#

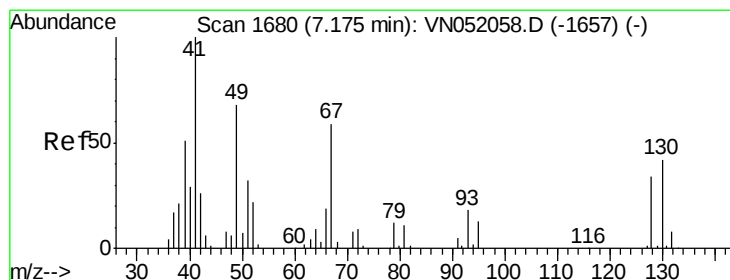
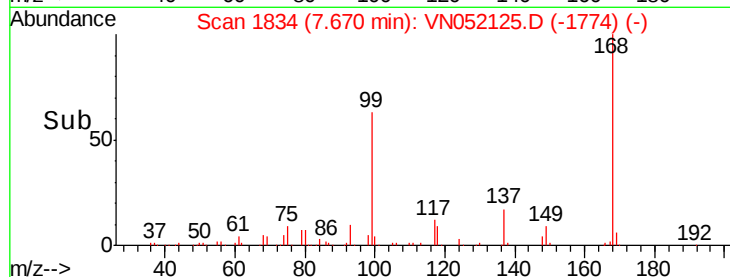
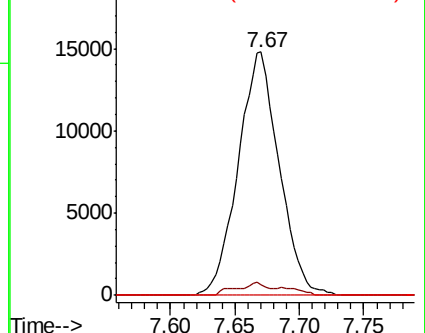
121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 0.267 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Tgt Ion: 41 Resp: 237

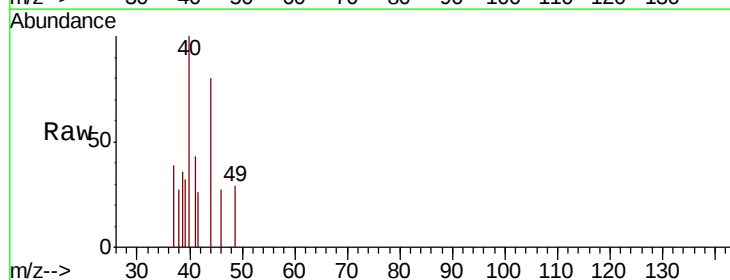
Ion Ratio Lower Upper

41 100

39 186.5 33.2 49.8#

67 0.0 63.5 95.3#

52 12.7 25.6 38.4#

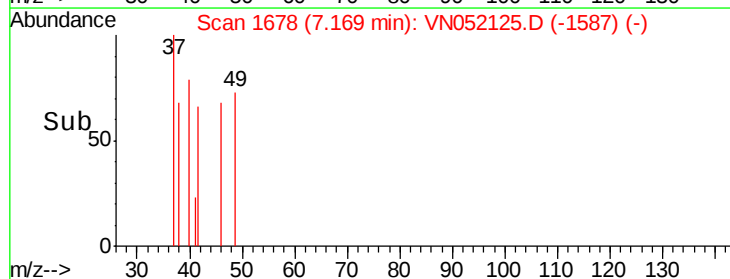
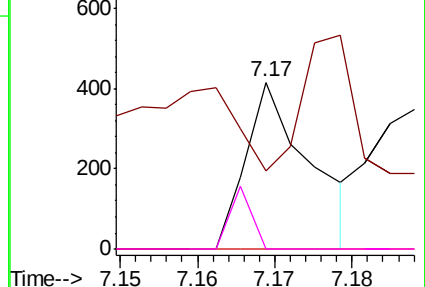


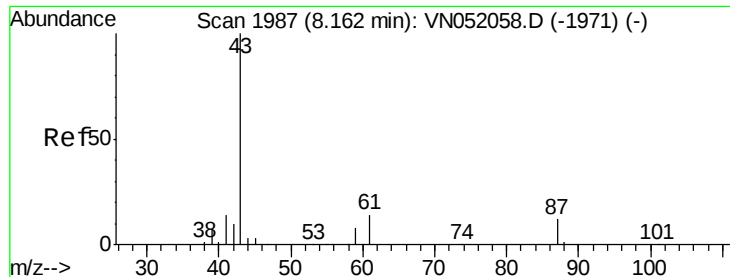
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 29.991 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

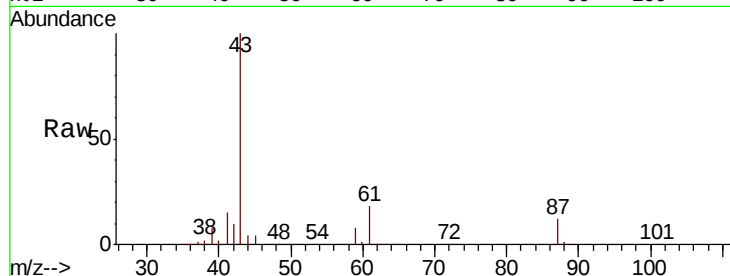
Tot Ion: 43 Resp: 196560

Ion Ratio Lower Upper

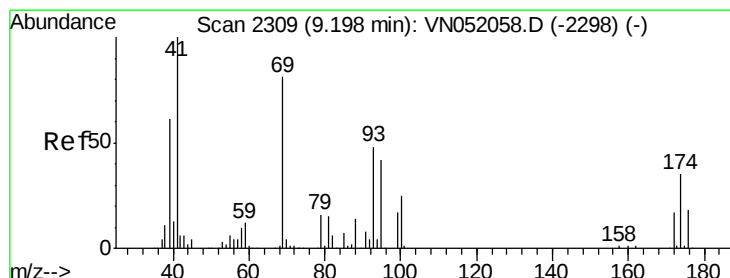
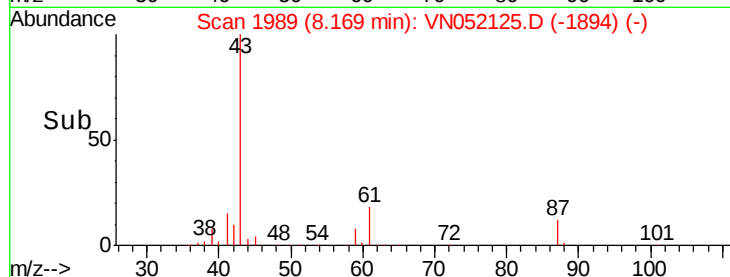
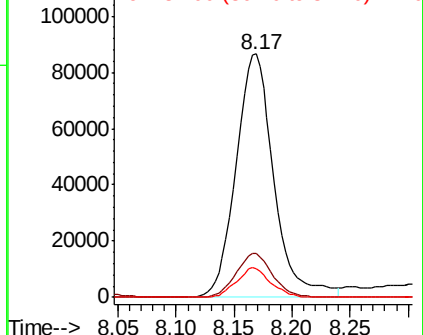
43 100

61 17.1 15.4 23.0

87 11.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.225 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

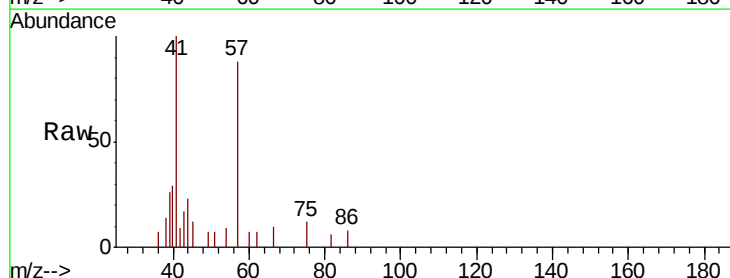
Tgt Ion: 41 Resp: 4071

Ion Ratio Lower Upper

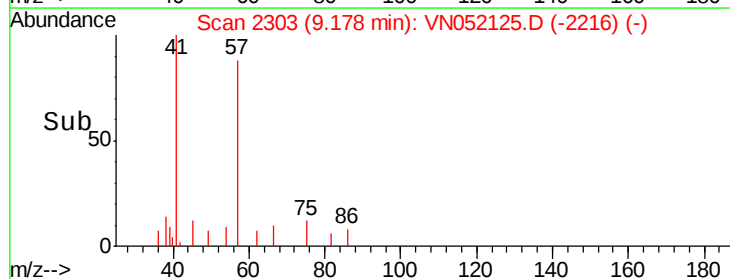
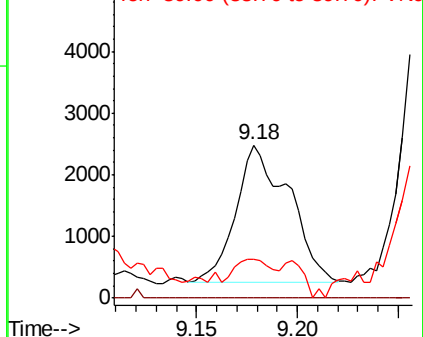
41 100

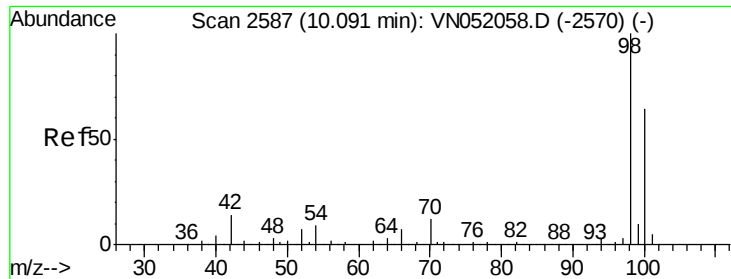
69 0.0 67.1 100.7#

39 11.3 50.5 75.7#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

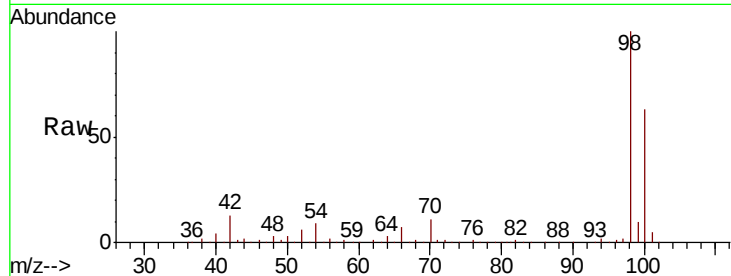
PB114370ZHE#14

Tot Ion: 98 Resp: 822055

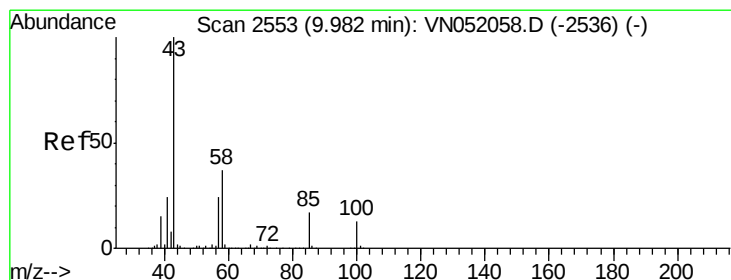
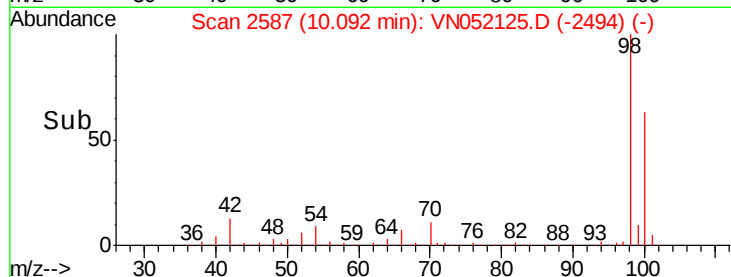
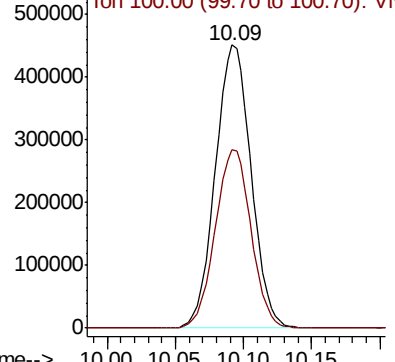
Ion Ratio Lower Upper

98 100

100 63.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.273 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN052125.D

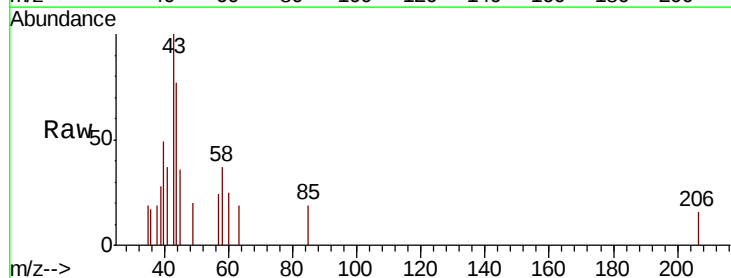
Acq: 2 Nov 2018 13:28

Tgt Ion: 43 Resp: 971

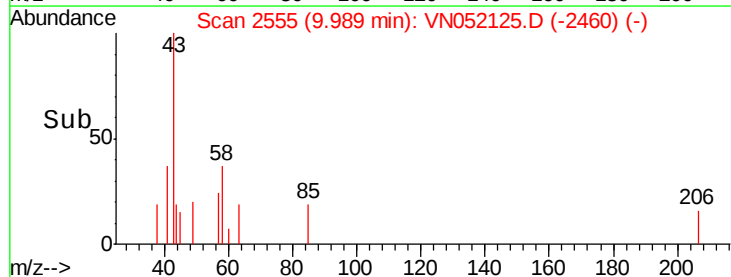
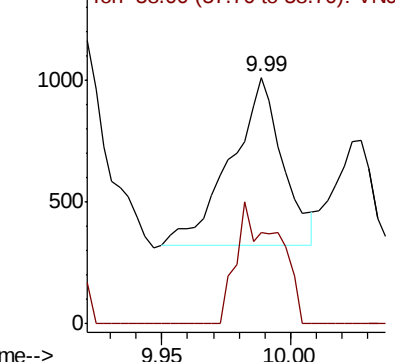
Ion Ratio Lower Upper

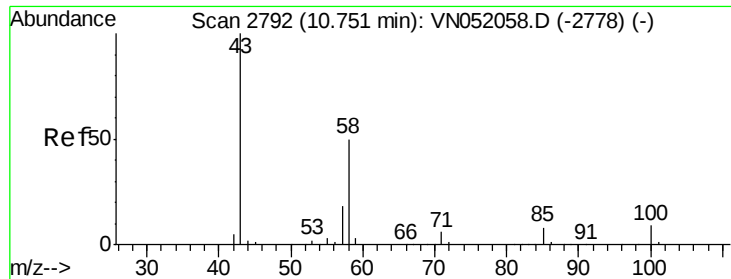
43 100

58 40.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

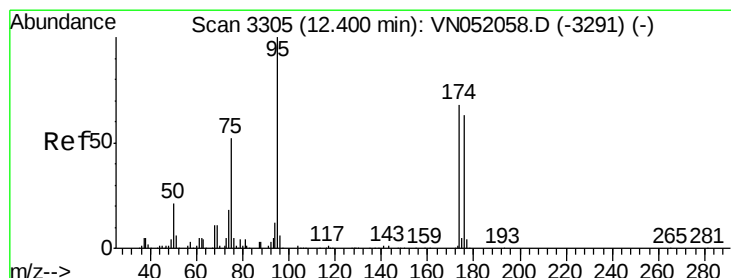
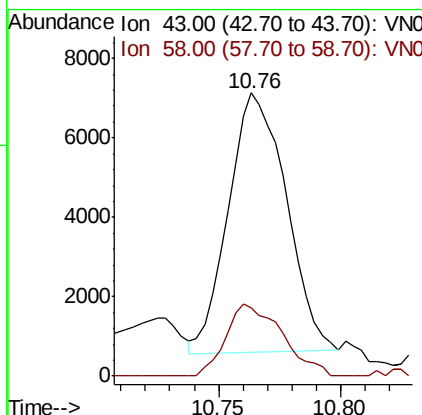
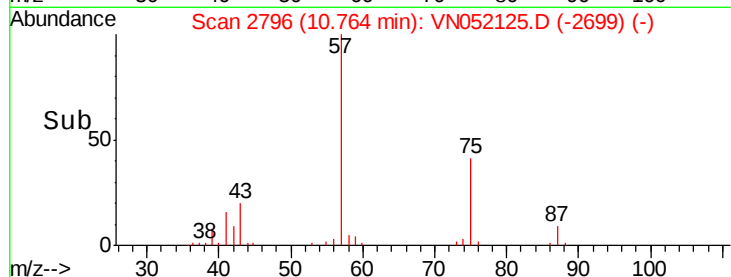
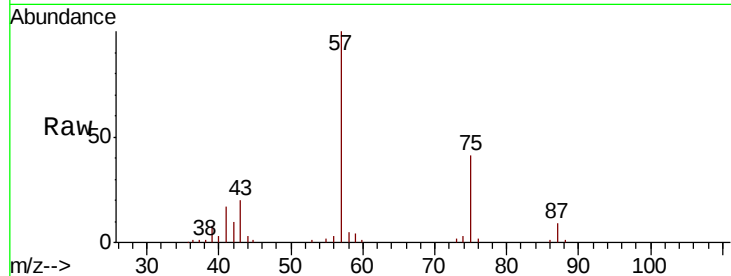




#59
2-Hexanone
Concen: 4.238 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

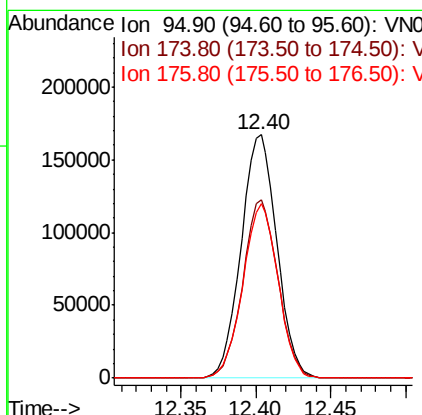
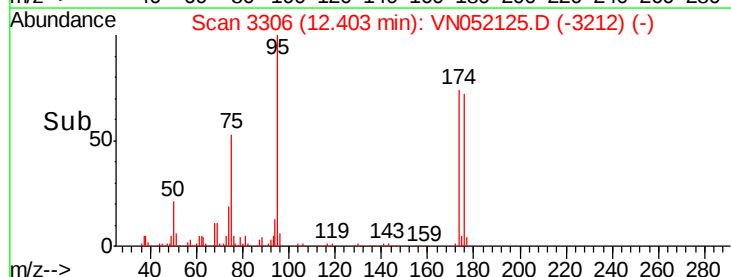
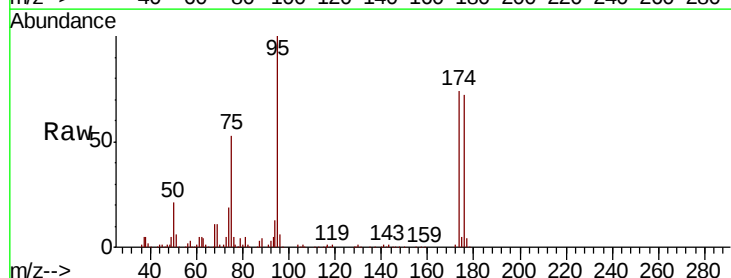
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#14

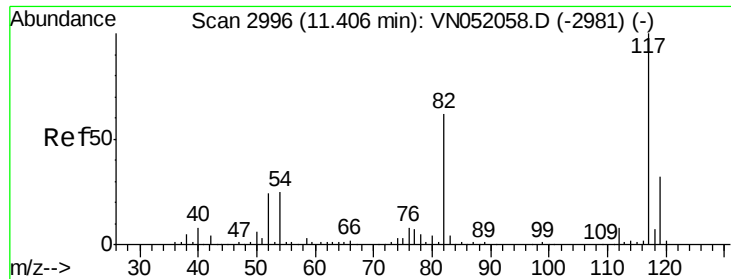
Tot Ion: 43 Resp: 10759
Ion Ratio Lower Upper
43 100
58 27.1 25.2 75.6



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

Tgt Ion: 95 Resp: 278459
Ion Ratio Lower Upper
95 100
174 72.3 0.0 131.8
176 70.4 0.0 126.0

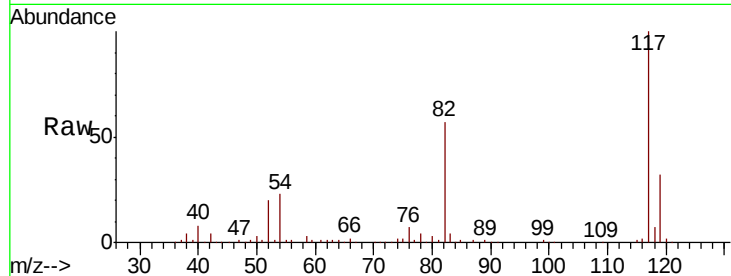




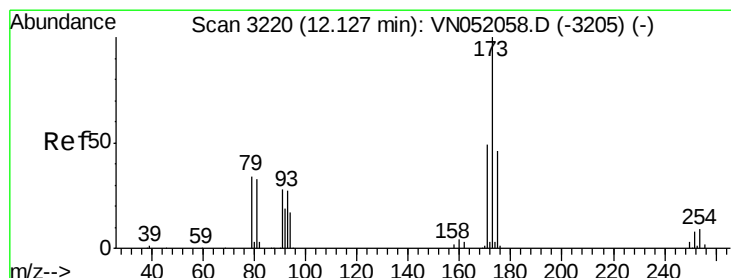
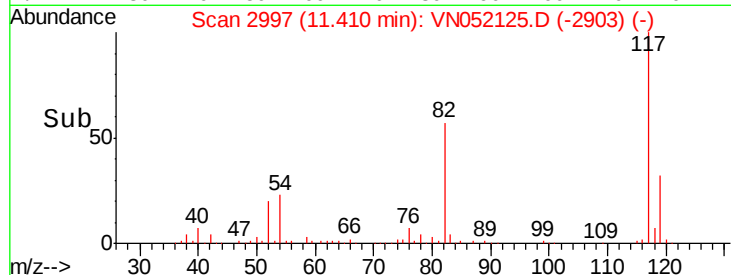
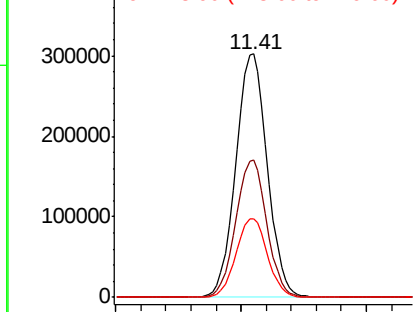
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#14

Tot Ion:117 Resp: 526412
Ion Ratio Lower Upper
117 100
82 56.7 49.9 74.9
119 32.2 25.7 38.5

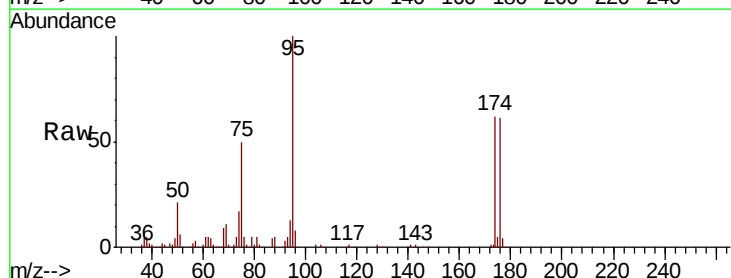


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

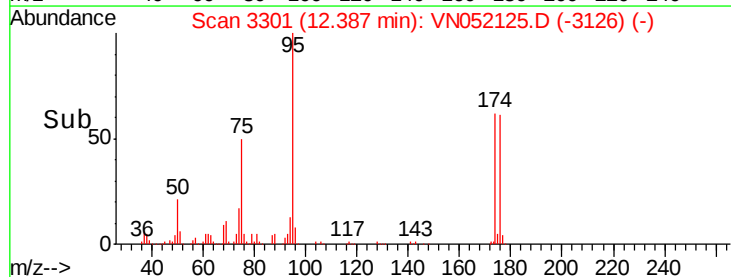
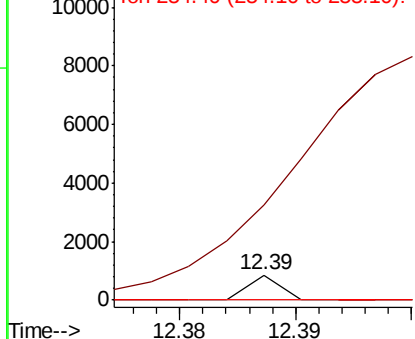


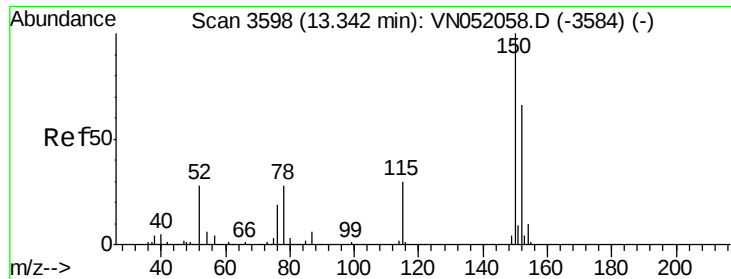
#71
Bromoform
Concen: 2.248 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN052125.D
Acq: 2 Nov 2018 13:28

Tgt Ion:173 Resp: 165
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.0 0.0



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: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

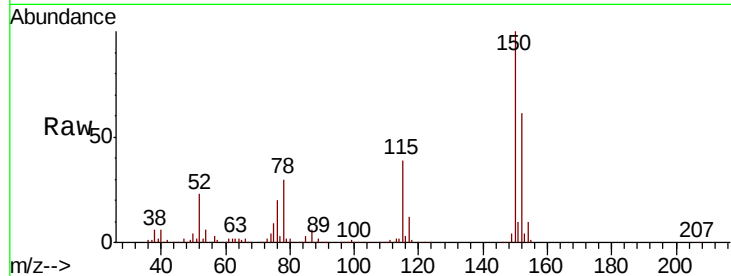
Tot Ion:152 Resp: 208924

Ion Ratio Lower Upper

152 100

115 64.3 31.6 95.0

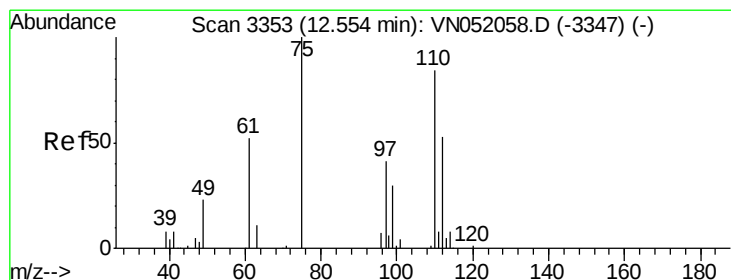
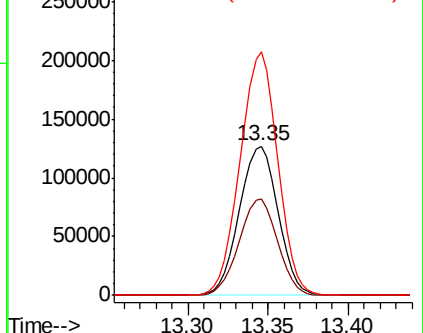
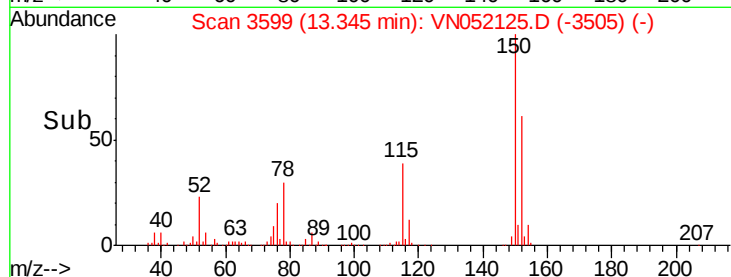
150 158.8 0.0 345.0



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



#76

1,2,3-Trichloropropane

Concen: 38.205 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052125.D

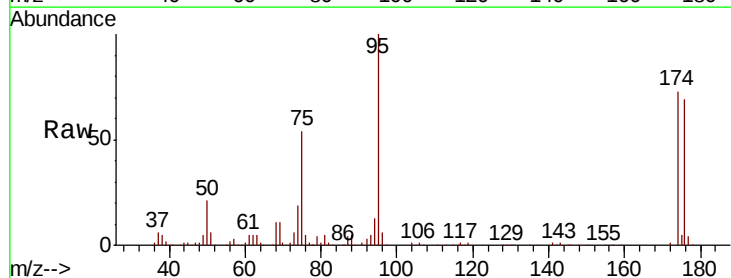
Acq: 2 Nov 2018 13:28

Tgt Ion: 75 Resp: 146111

Ion Ratio Lower Upper

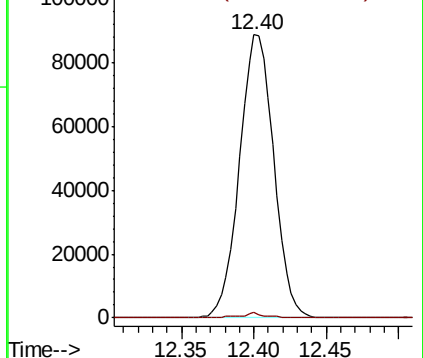
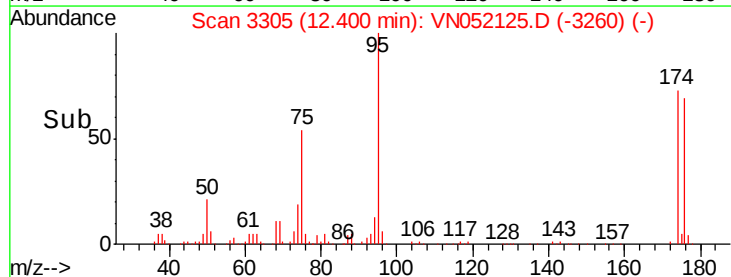
75 100

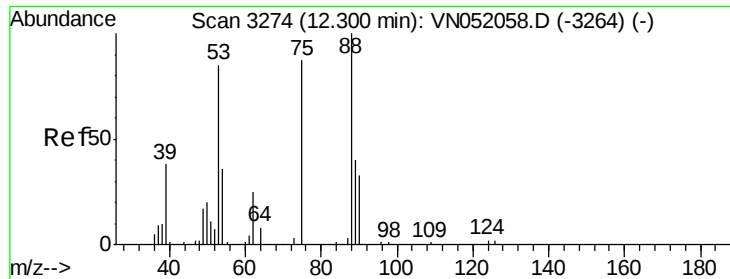
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 126.807 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#14

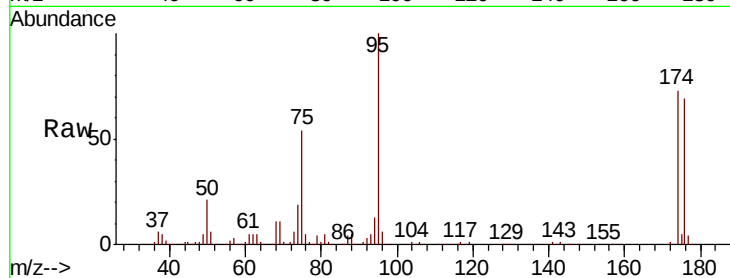
Tot Ion: 75 Resp: 146111

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.6#

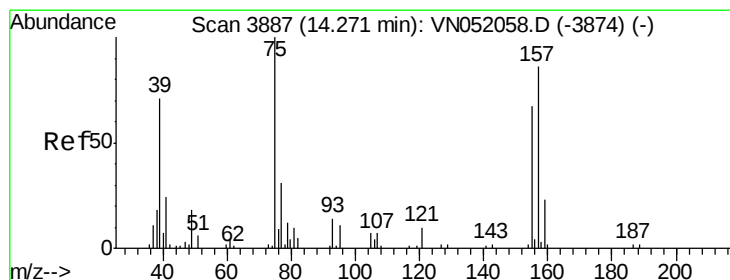
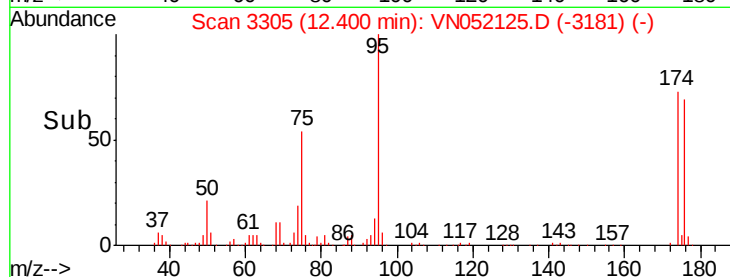
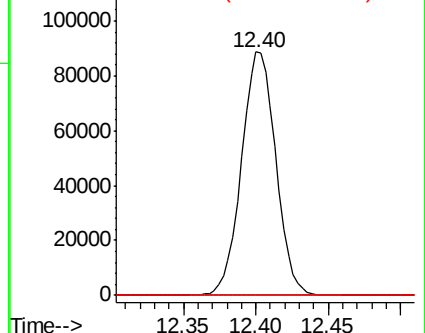
89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.971 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN052125.D

Acq: 2 Nov 2018 13:28

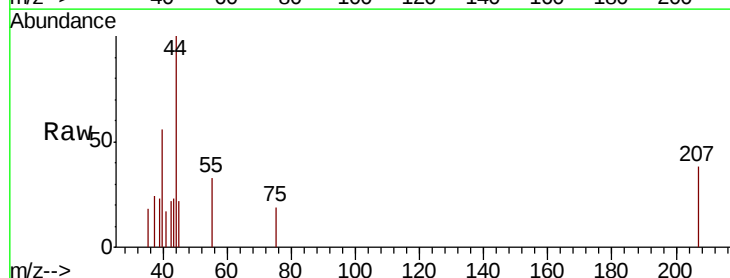
Tgt Ion: 75 Resp: 33

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

