

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052122.D
 Acq On : 2 Nov 2018 12:07
 Operator : MD\SY
 Sample : PB114370ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114370ZHE#11

Quant Time: Nov 02 23:12:11 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	319085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	593932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244244	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	271972	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
35) Dibromofluoromethane	7.59	113	223181	60.07	ug/l	0.00
Spiked Amount			Recovery	=	120.14%	
50) Toluene-d8	10.09	98	891067	60.00	ug/l	0.00
Spiked Amount			Recovery	=	120.00%	
62) 4-Bromofluorobenzene	12.40	95	312711	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	

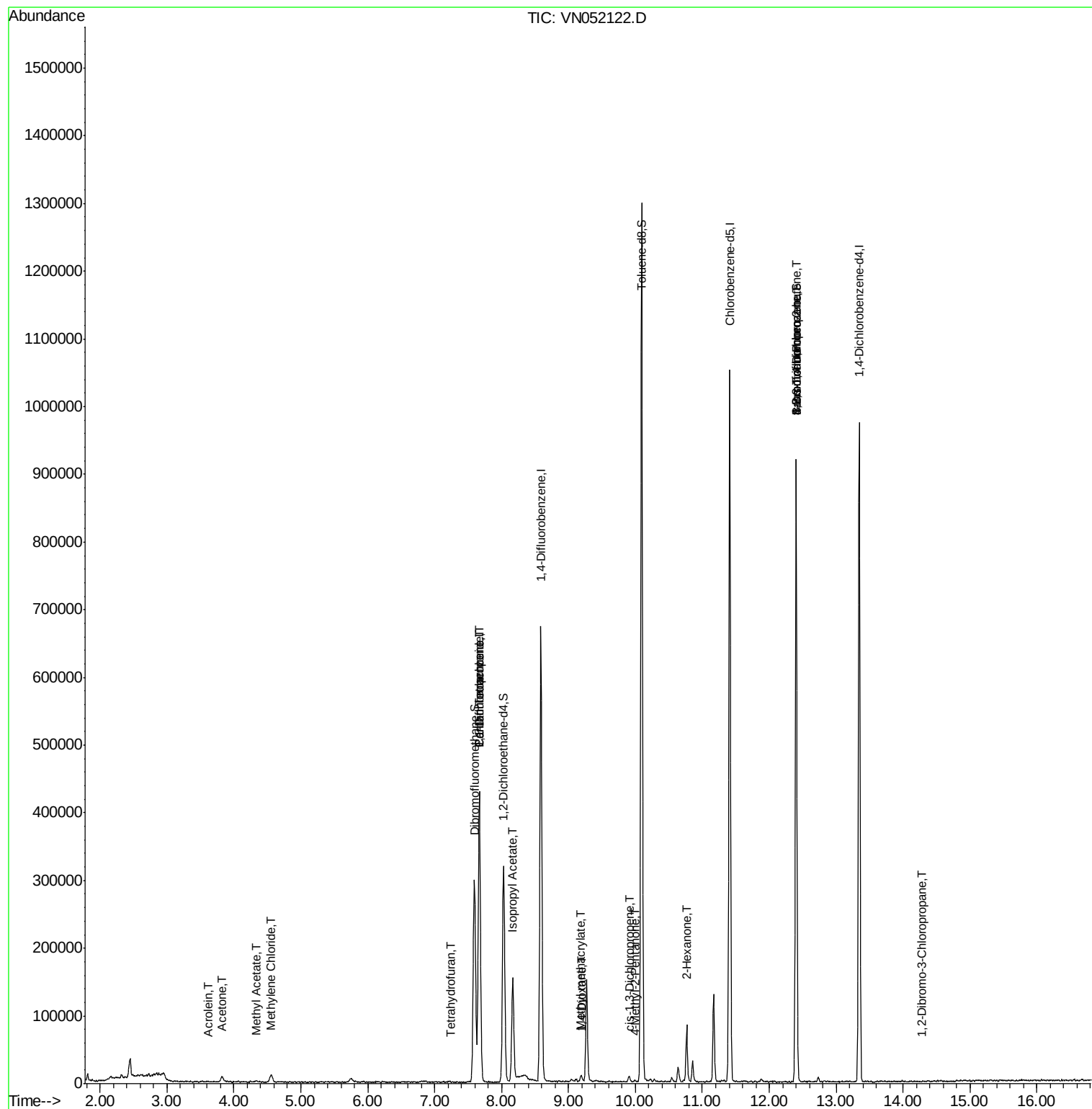
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	30	24.143	ug/l #	1
16) Acetone	3.82	43	14271	13.057	ug/l	97
18) Methyl Acetate	4.33	43	3803	1.093	ug/l	95
20) Methylene Chloride	4.56	84	7410	1.779	ug/l #	74
29) Tetrahydrofuran	7.23	42	748	0.655	ug/l #	53
31) Cyclohexane	7.67	56	8845	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	27822	4.607	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33725	6.477	ug/l #	17
43) Isopropyl Acetate	8.17	43	193408	26.902	ug/l	98
48) Methyl methacrylate	9.18	41	4548	1.248	ug/l #	25
49) 1,4-Dioxane	9.20	88	120	28.889	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	998	0.255	ug/l	96
54) cis-1,3-Dichloropropene	9.91	75	1471	0.216	ug/l #	51
59) 2-Hexanone	10.77	43	12584	4.519	ug/l #	56
71) Bromoform	12.40	173	3817	3.687	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	163285	36.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163285	121.219	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29	0.958	ug/l #	11

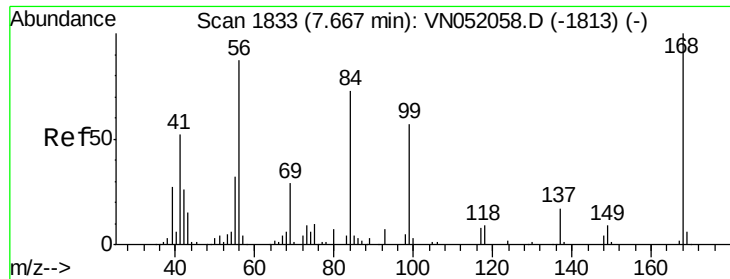
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

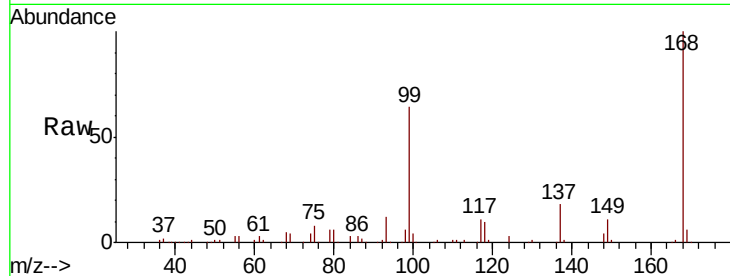
PB114370ZHE#11

Tot Ion:168 Resp: 319085

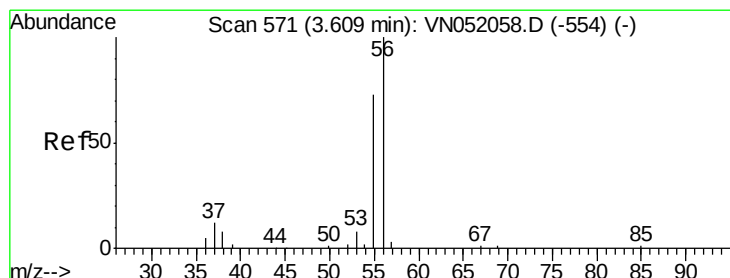
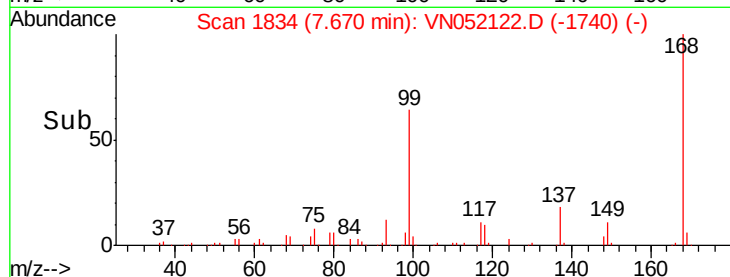
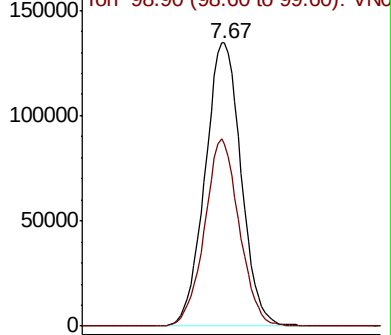
Ion Ratio Lower Upper

168 100

99 64.3 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052122.D (-1740) (-)



#13

Acrolein

Concen: 24.143 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052122.D

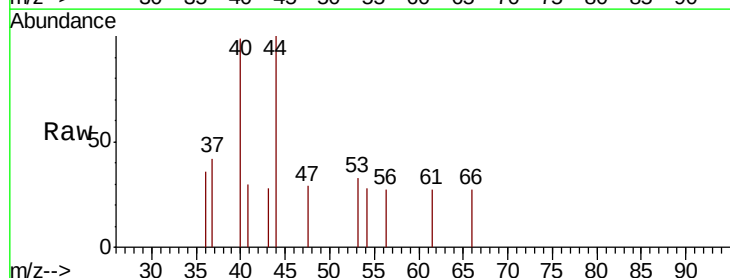
Acq: 2 Nov 2018 12:07

Tgt Ion: 56 Resp: 30

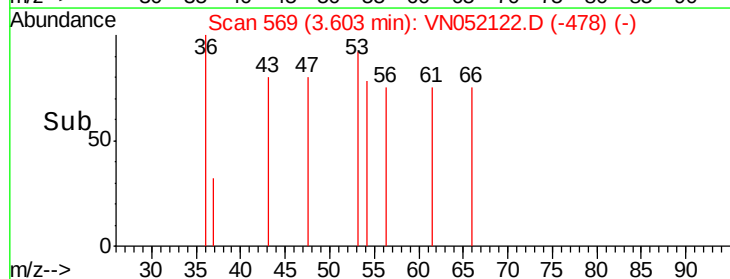
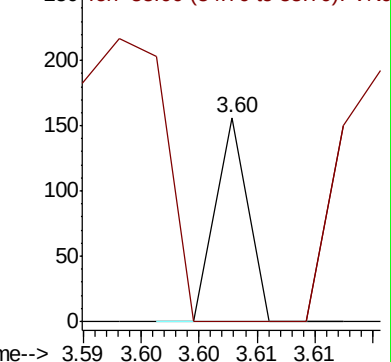
Ion Ratio Lower Upper

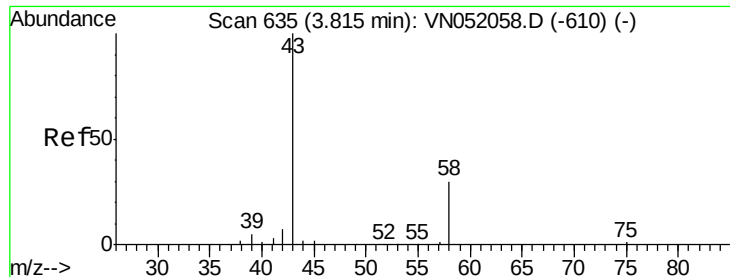
56 100

55 386.7 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052122.D (-478) (-)





#16

Acetone

Concen: 13.057 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

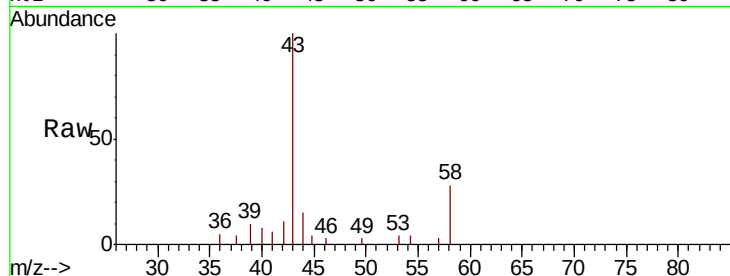
PB114370ZHE#11

Tot Ion: 43 Resp: 14271

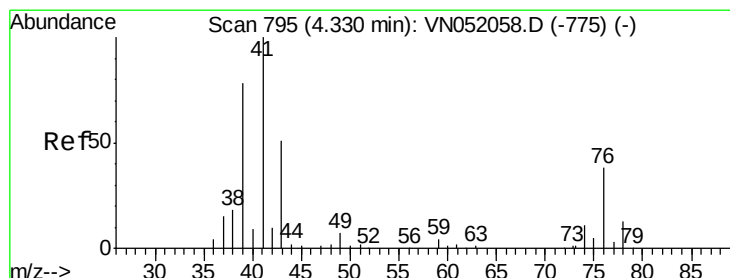
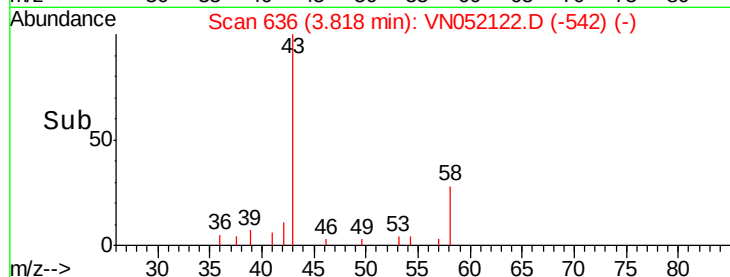
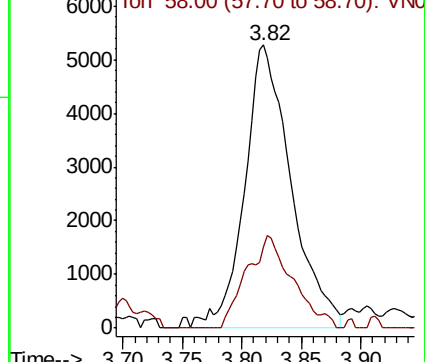
Ion Ratio Lower Upper

43 100

58 28.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052122.D (-542) (-)



#18

Methyl Acetate

Concen: 1.093 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN052122.D

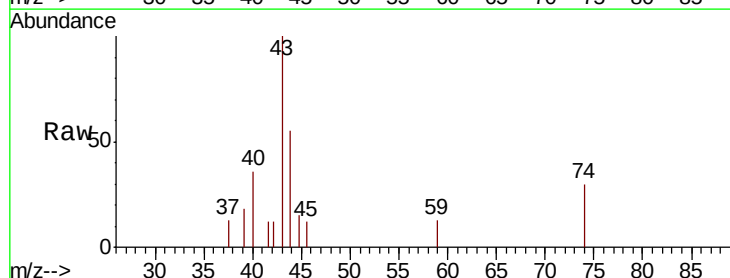
Acq: 2 Nov 2018 12:07

Tgt Ion: 43 Resp: 3803

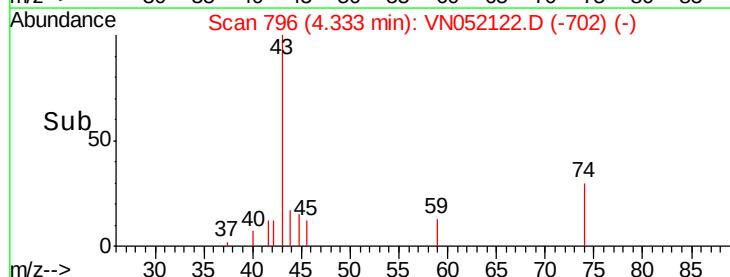
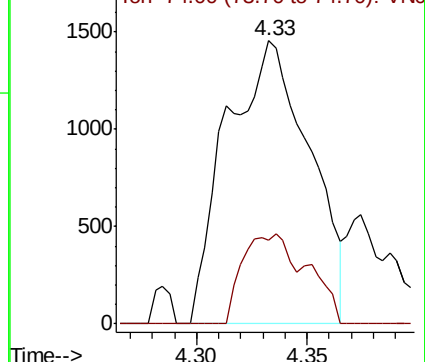
Ion Ratio Lower Upper

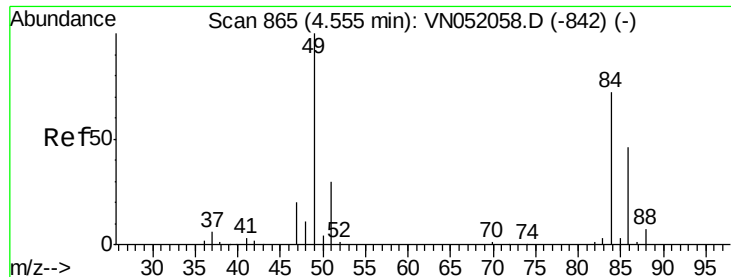
43 100

74 24.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN052122.D (-702) (-)

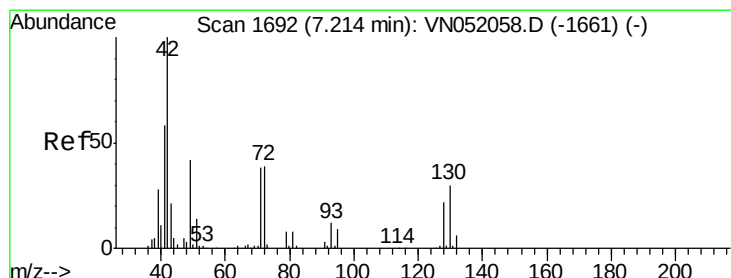
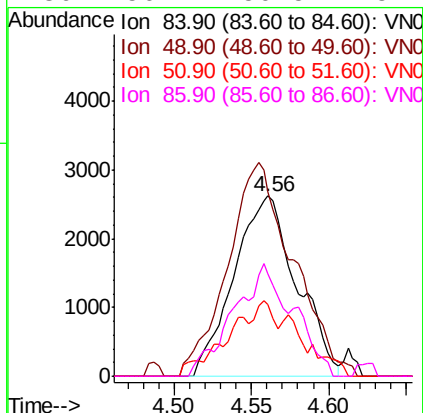
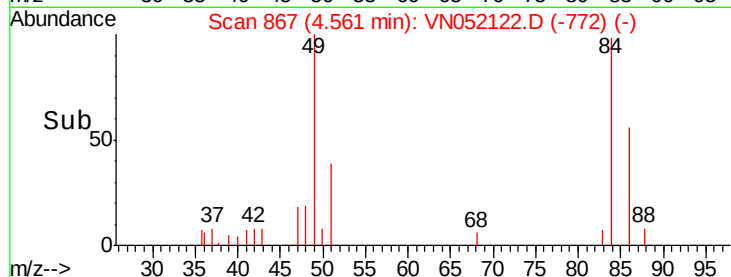
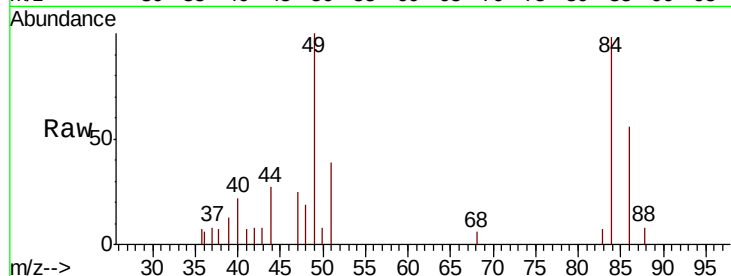




#20
Methylene Chloride
Concen: 1.779 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

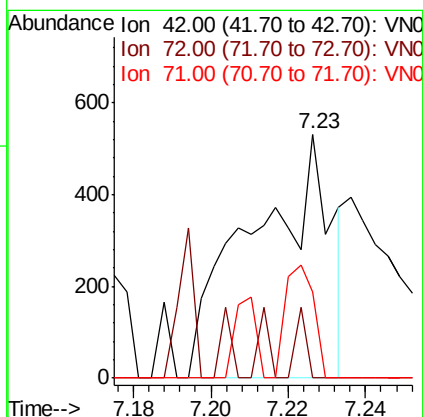
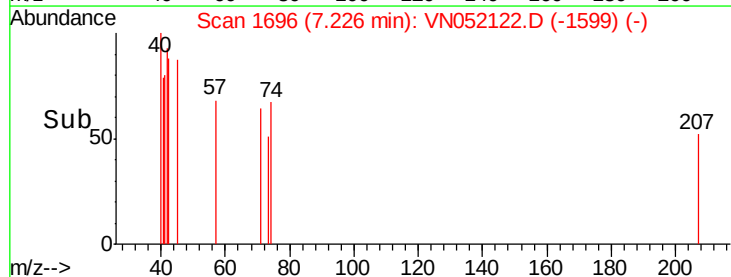
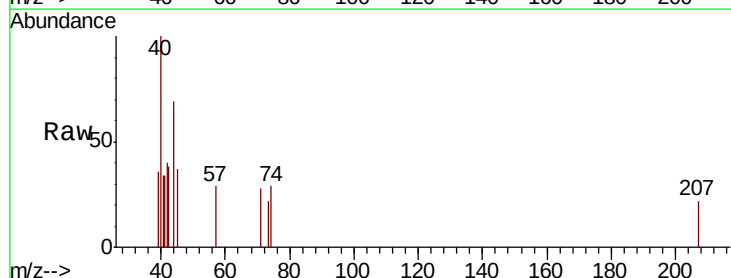
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#11

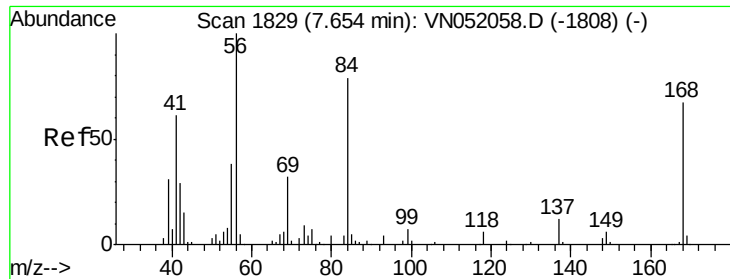
Tot Ion: 84 Resp: 7410
Ion Ratio Lower Upper
84 100
49 94.1 110.6 165.8#
51 31.6 33.7 50.5#
86 56.7 50.5 75.7



#29
Tetrahydrofuran
Concen: 0.655 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Tgt Ion: 42 Resp: 748
Ion Ratio Lower Upper
42 100
72 4.0 32.5 48.7#
71 16.8 30.6 46.0#

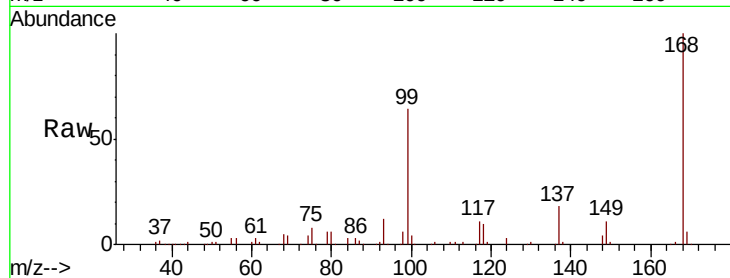




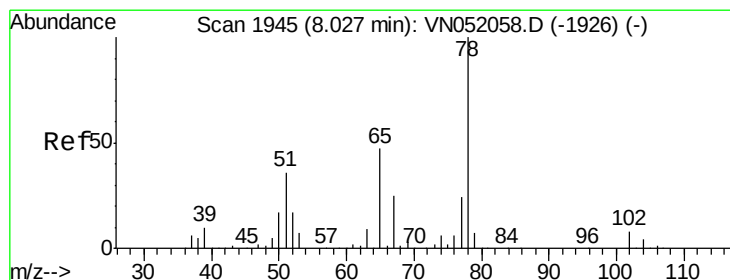
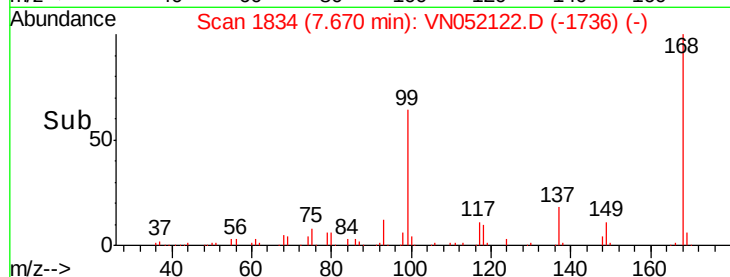
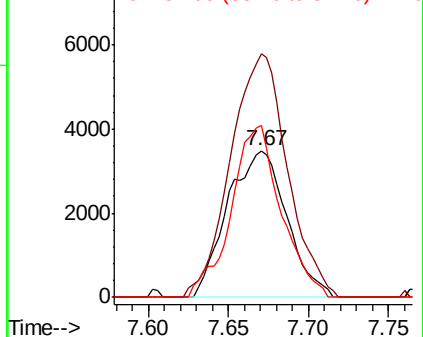
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#11

Tot Ion: 56 Resp: 8845
Ion Ratio Lower Upper
56 100
69 166.1 25.8 38.6#
84 117.1 63.5 95.3#

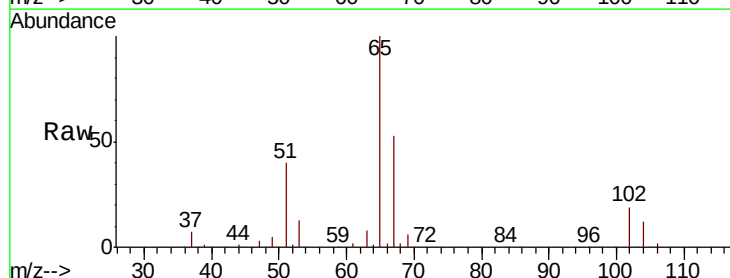


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

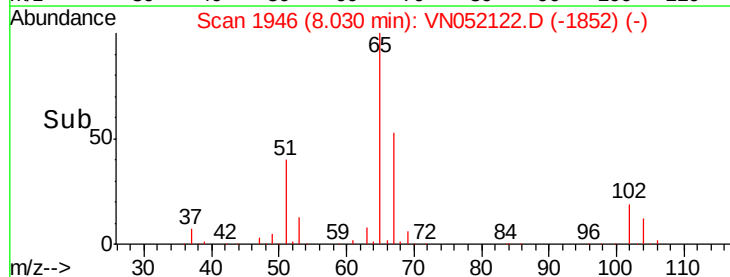
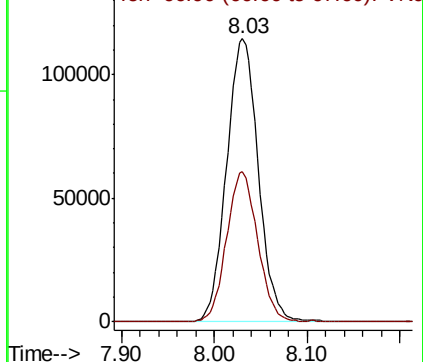


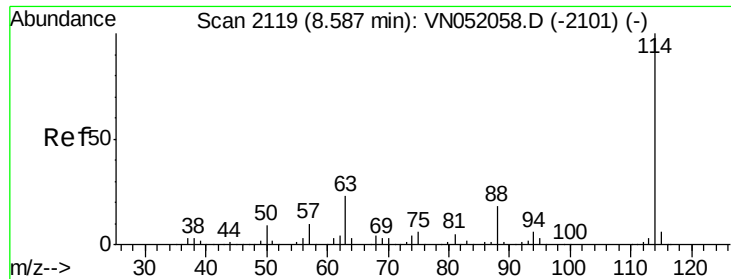
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Tgt Ion: 65 Resp: 271972
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

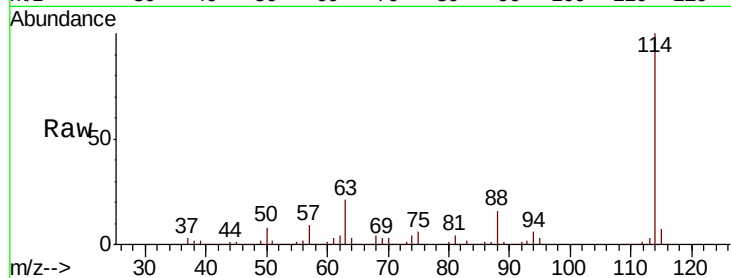




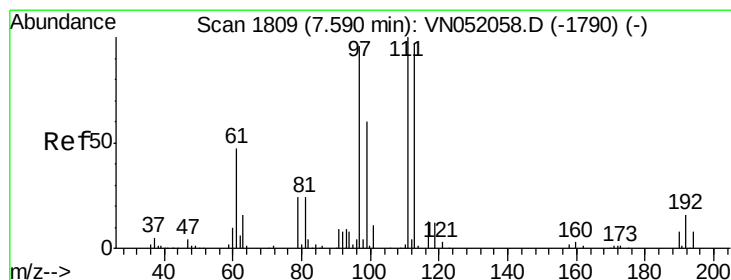
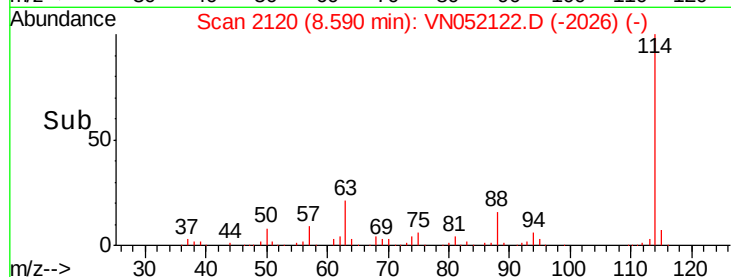
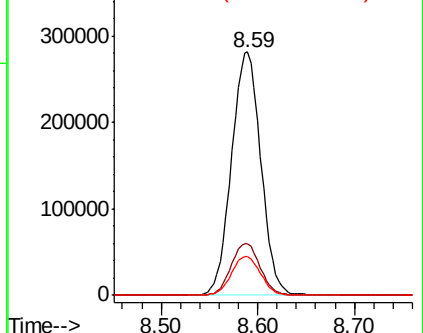
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052122.D
 Acq: 2 Nov 2018 12:07

Instrument :
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 ClientSampleId :
 PB114370ZHE#11

Tot Ion:114 Resp: 593932
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 46.0
 88 16.0 0.0 35.4

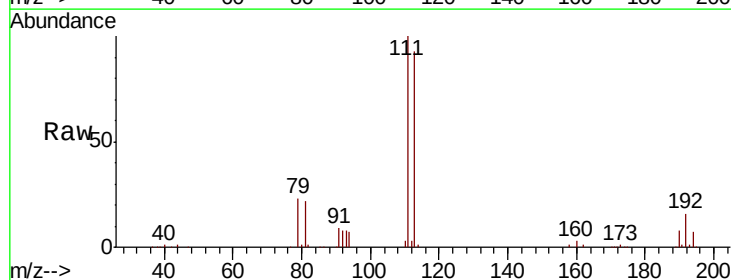


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

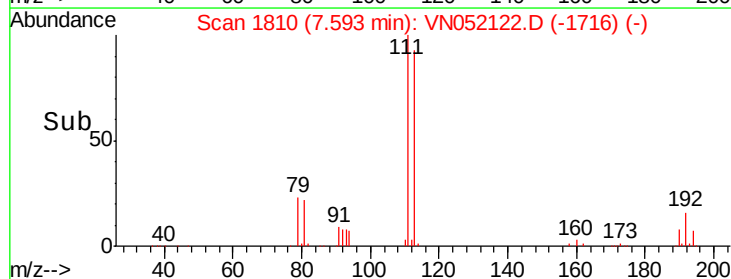
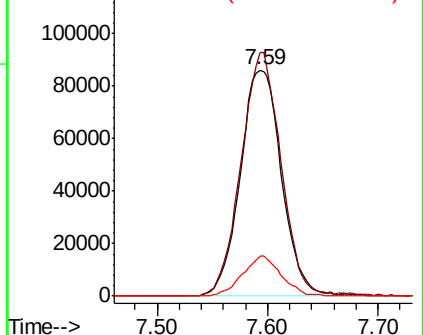


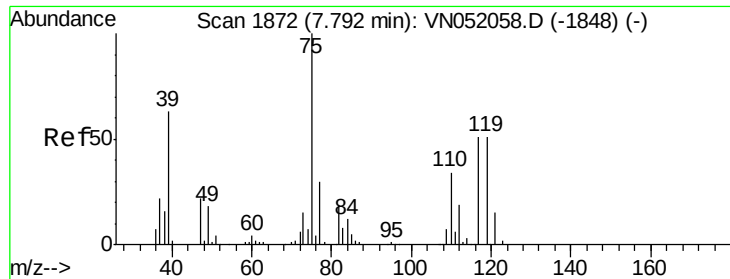
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052122.D
 Acq: 2 Nov 2018 12:07

Tgt Ion:113 Resp: 223181
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.1 124.7
 192 16.7 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: 4.607 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#11

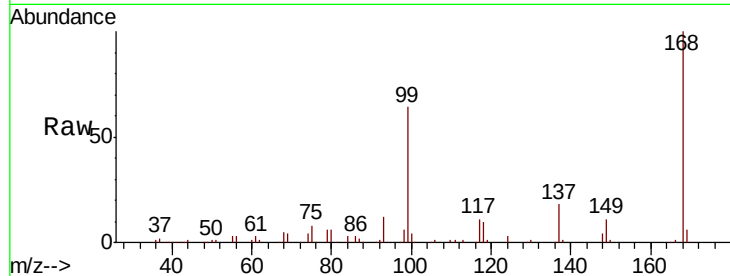
Tot Ion: 75 Resp: 27822

Ion Ratio Lower Upper

75 100

110 9.7 16.0 48.0#

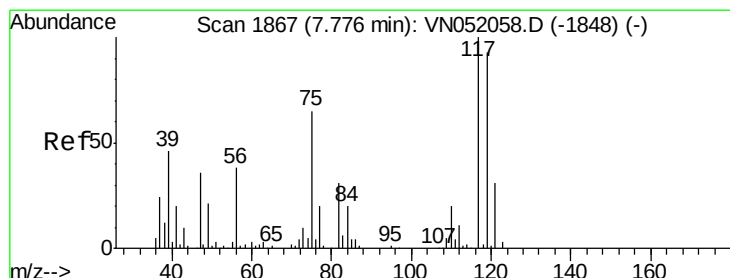
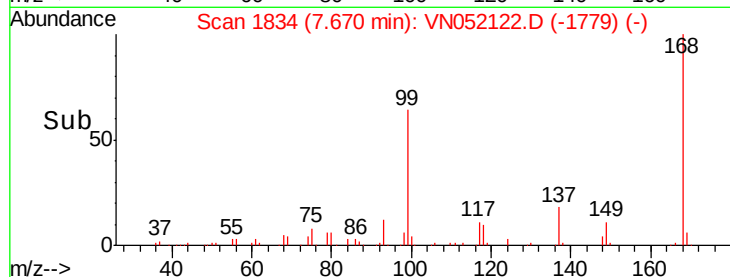
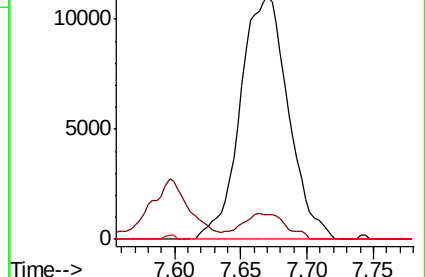
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052122.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052122.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052122.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.477 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

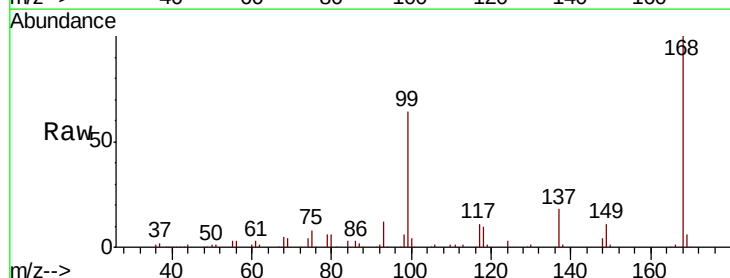
Tgt Ion: 117 Resp: 33725

Ion Ratio Lower Upper

117 100

119 4.6 74.8 112.2#

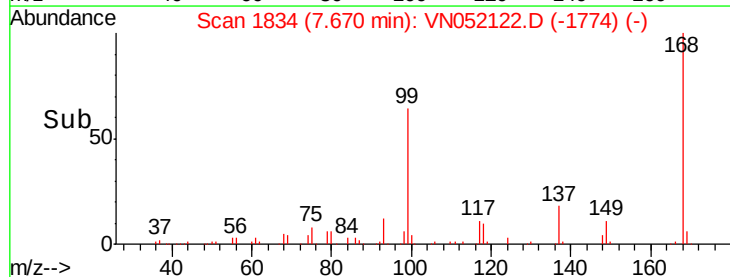
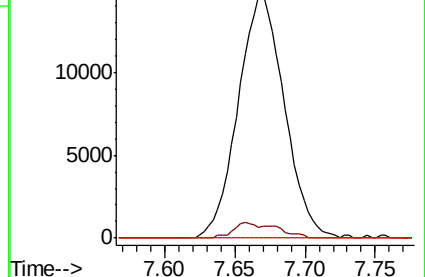
121 0.0 25.1 37.7#

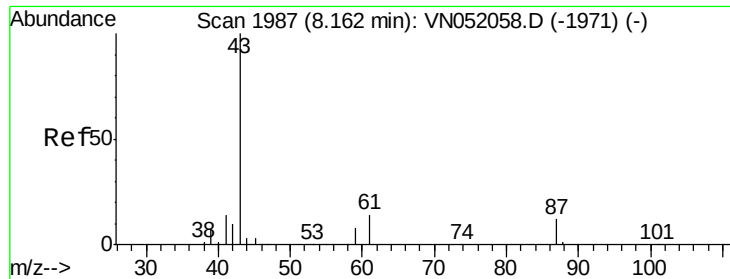


Abundance Ion 116.80 (116.50 to 117.50): VN052122.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052122.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052122.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 26.902 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#11

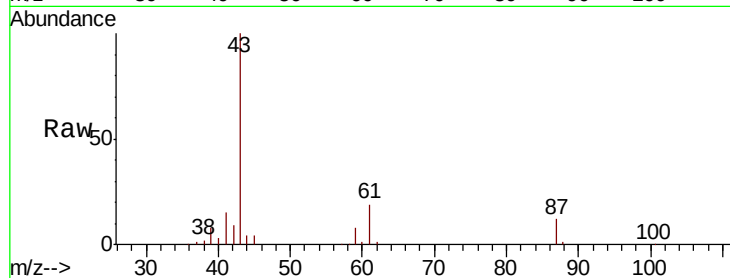
Tot Ion: 43 Resp: 193408

Ion Ratio Lower Upper

43 100

61 17.9 15.4 23.0

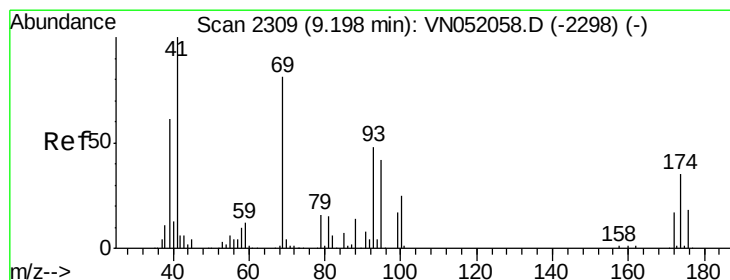
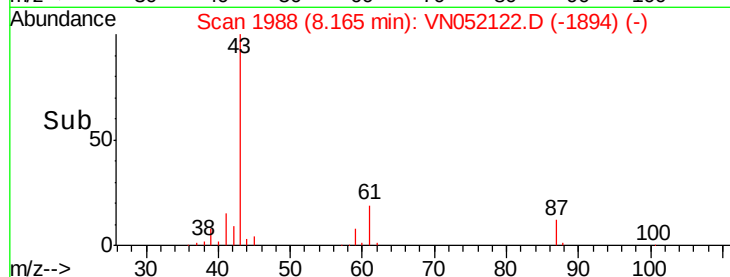
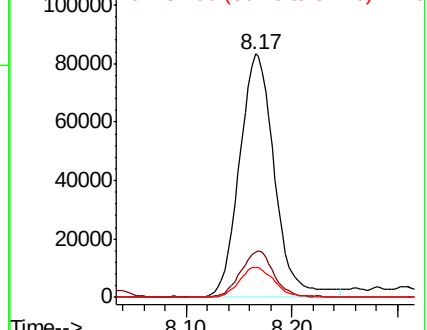
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.248 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

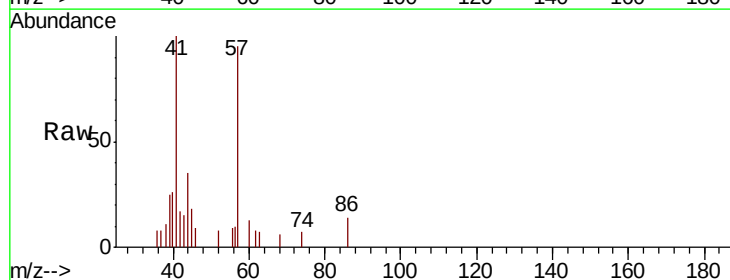
Tgt Ion: 41 Resp: 4548

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

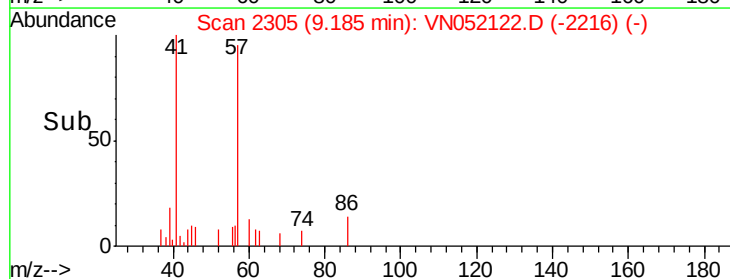
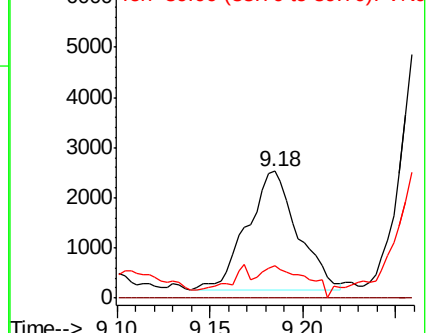
39 22.3 50.5 75.7#

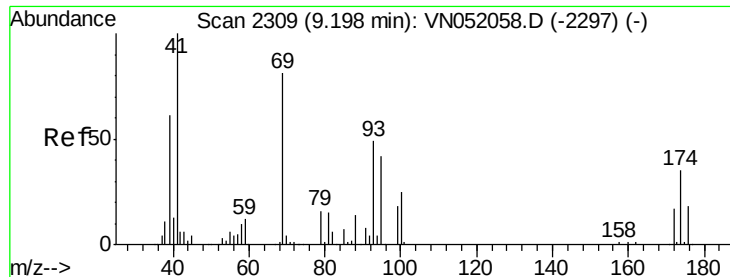


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

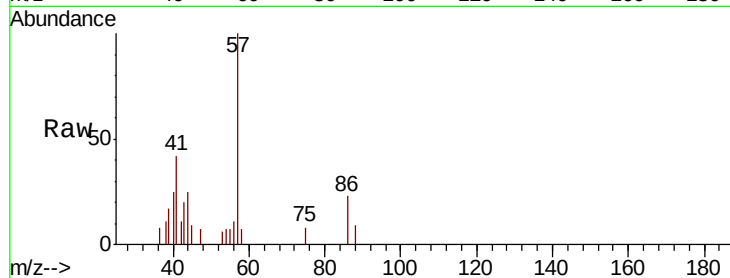




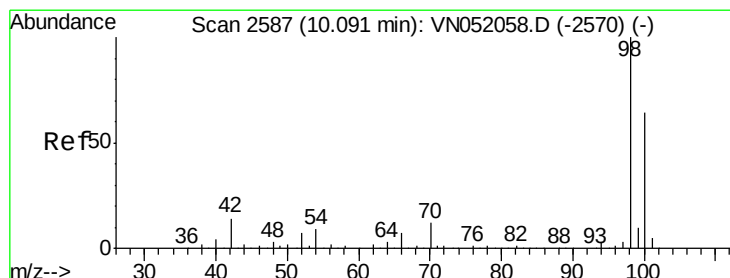
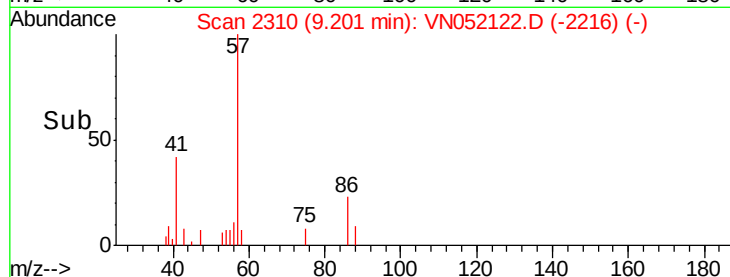
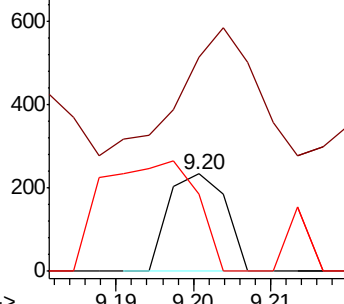
#49
1,4-Dioxane
Concen: 28.889 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#11

Tot Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 0.0 34.1 51.1#
58 185.8 62.8 94.2#

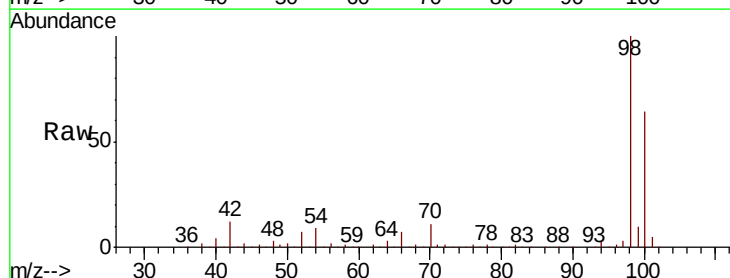


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

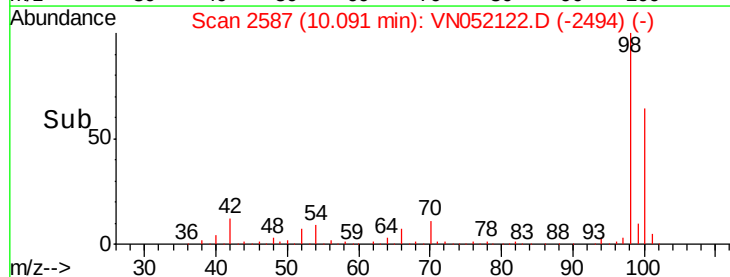
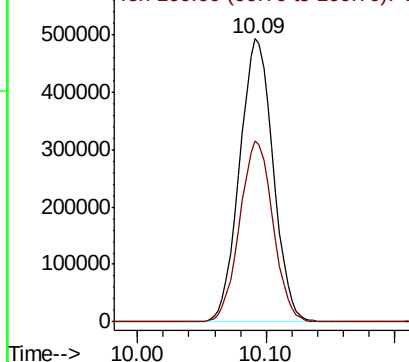


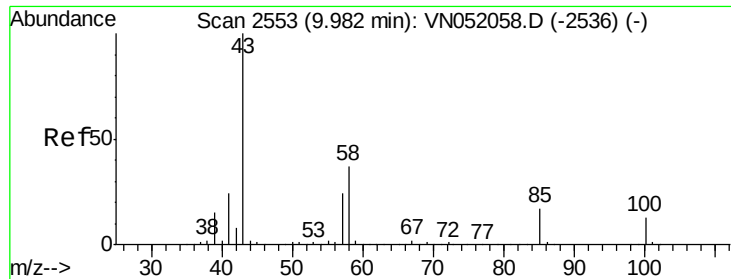
#50
Toluene-d8
Concen: 28.889 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Tgt Ion: 98 Resp: 891067
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 9.99 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

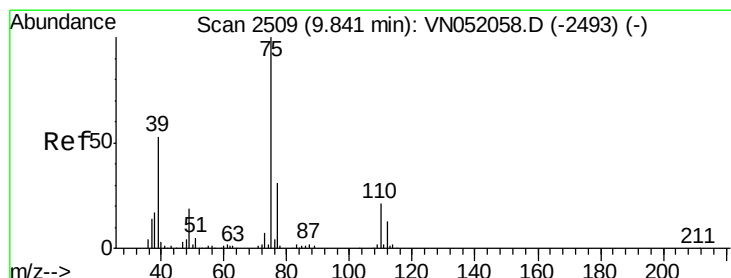
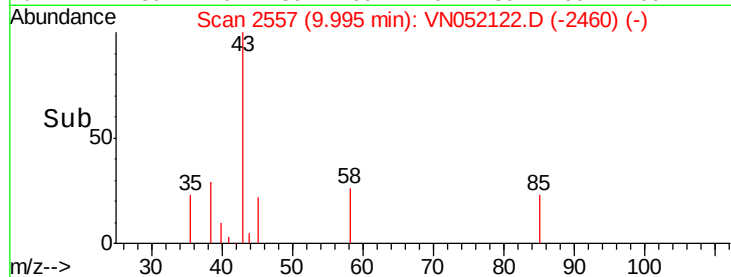
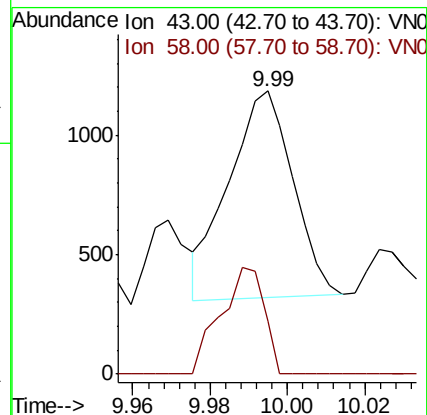
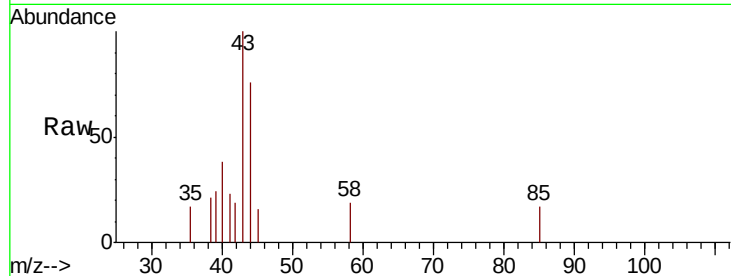
PB114370ZHE#11

Tot Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

58 34.8 29.7 44.5



#54

cis-1,3-Dichloropropene

Concen: 0.216 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

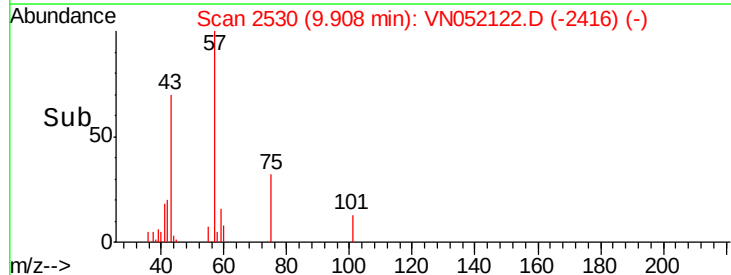
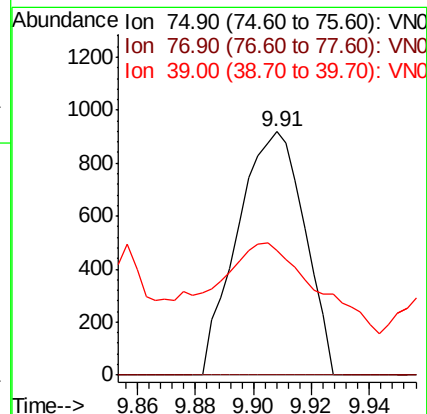
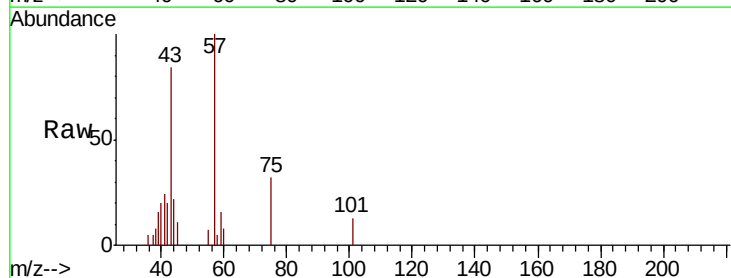
Tgt Ion: 75 Resp: 1471

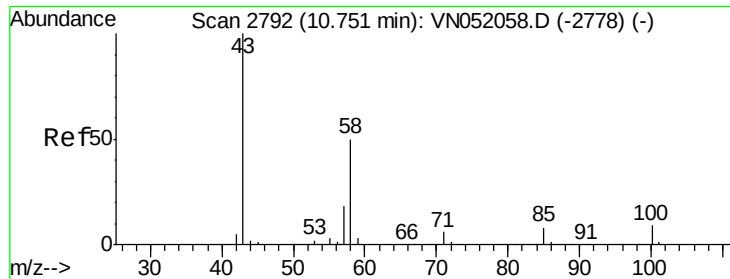
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 21.3 42.3 63.5#





#59

2-Hexanone

Concen: 4.519 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

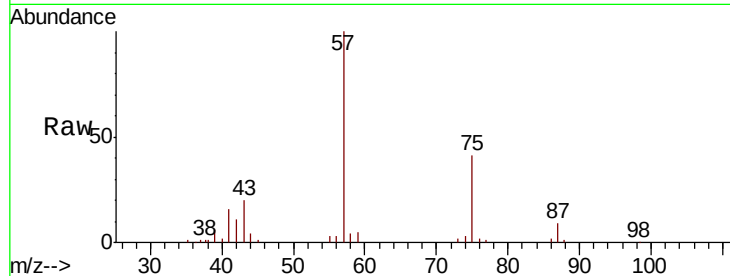
PB114370ZHE#11

Tot Ion: 43 Resp: 12584

Ion Ratio Lower Upper

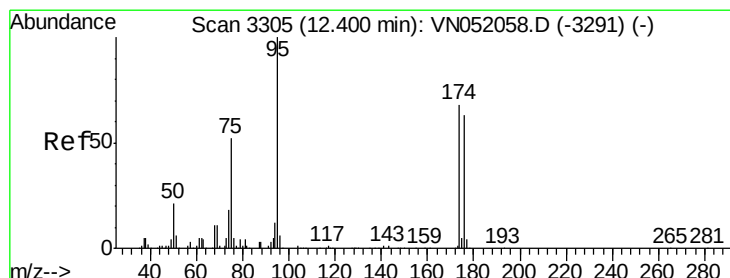
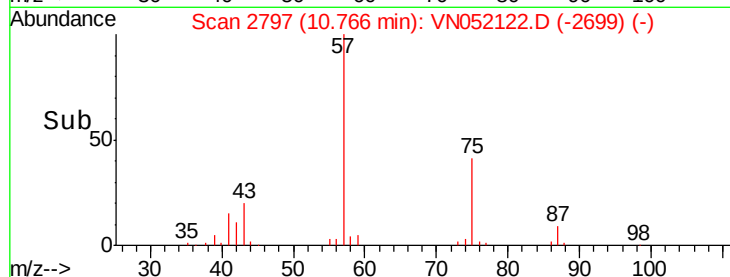
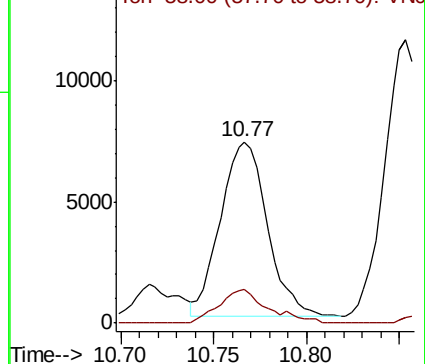
43 100

58 20.2 25.2 75.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

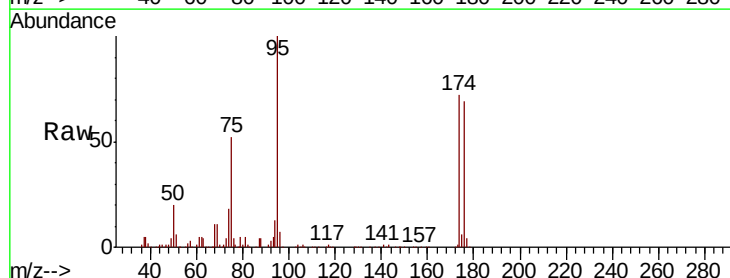
Tgt Ion: 95 Resp: 312711

Ion Ratio Lower Upper

95 100

174 73.6 0.0 131.8

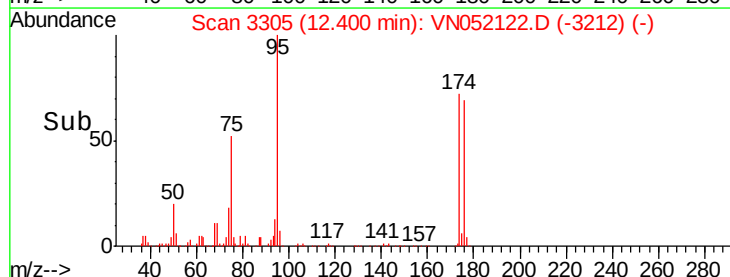
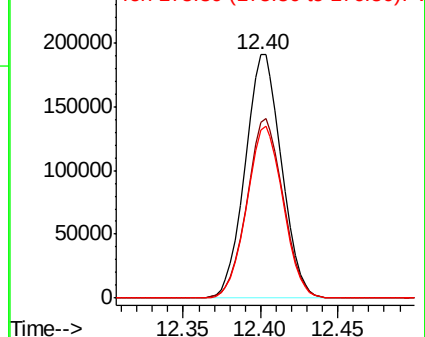
176 70.5 0.0 126.0

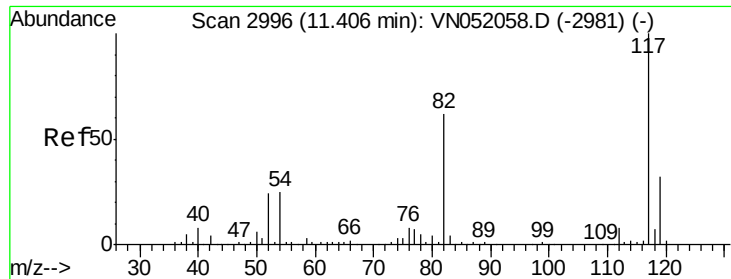


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

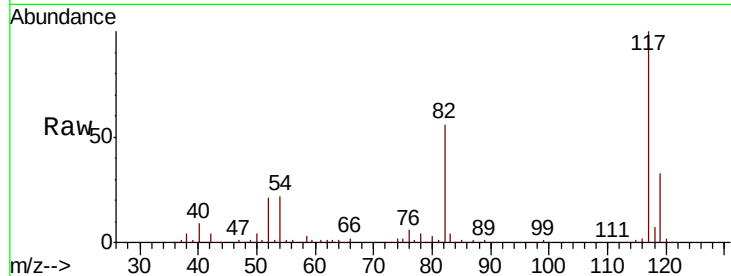




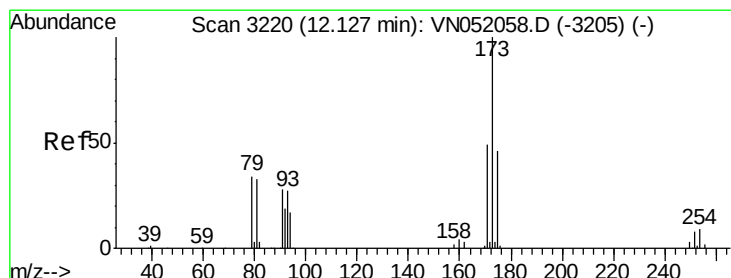
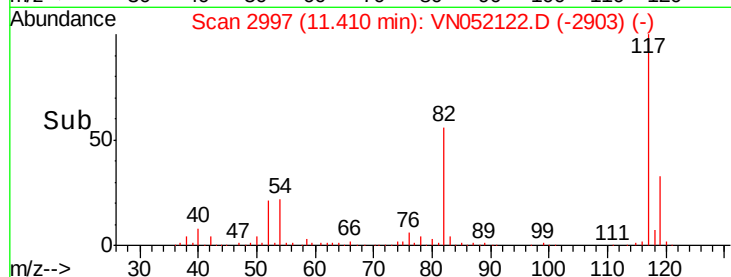
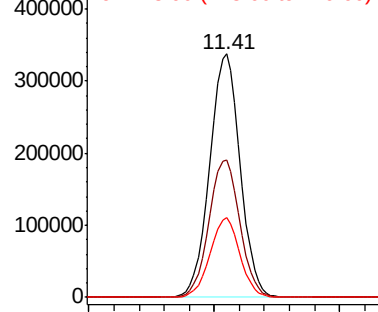
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#11

Tot Ion:117 Resp: 569120
Ion Ratio Lower Upper
117 100
82 56.3 49.9 74.9
119 32.6 25.7 38.5

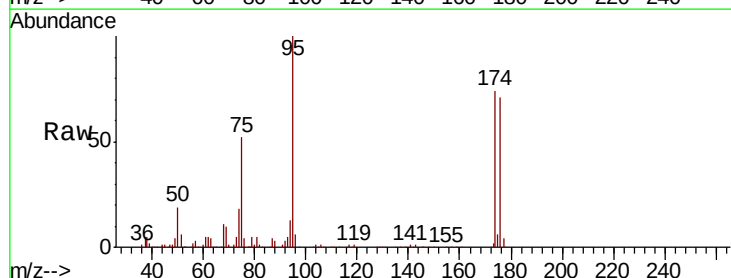


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

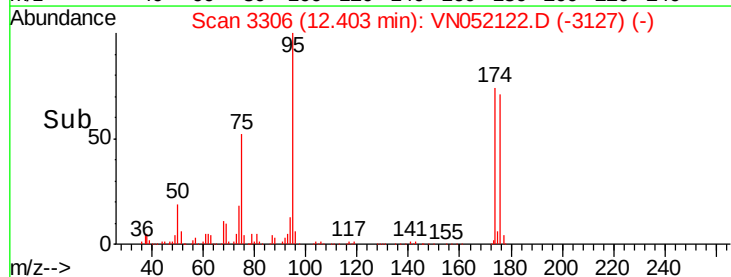
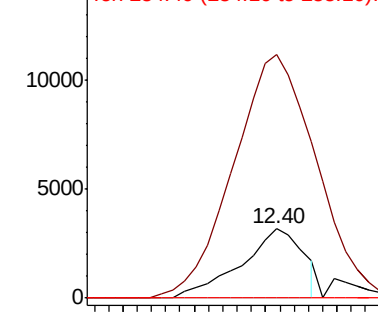


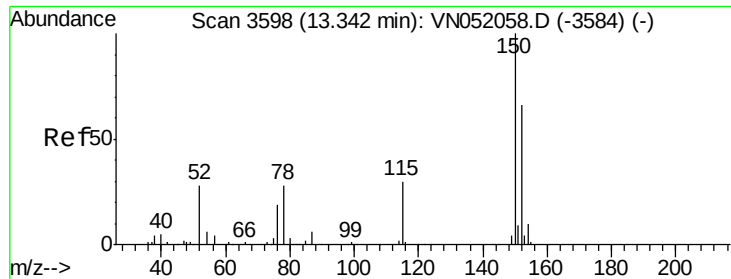
#71
Bromoform
Concen: 3.687 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052122.D
Acq: 2 Nov 2018 12:07

Tgt Ion:173 Resp: 3817
Ion Ratio Lower Upper
173 100
175 401.8 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: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#11

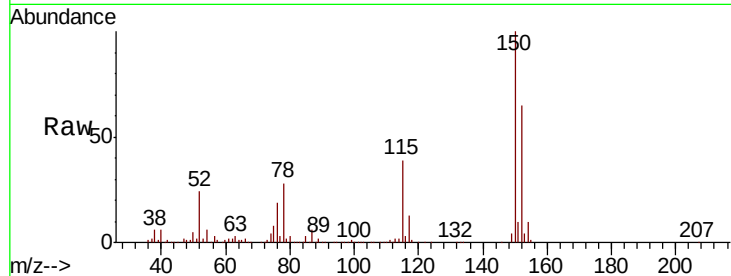
Tot Ion:152 Resp: 244244

Ion Ratio Lower Upper

152 100

115 61.7 31.6 95.0

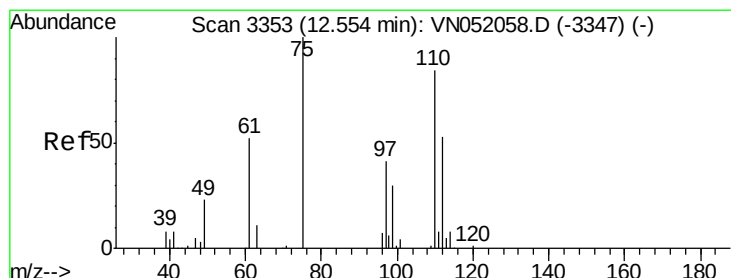
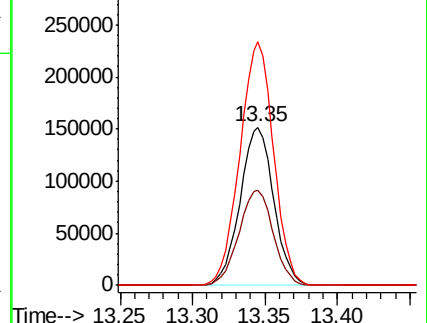
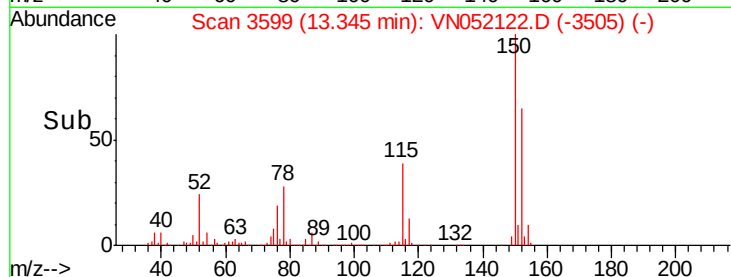
150 154.1 0.0 345.0



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: 36.521 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052122.D

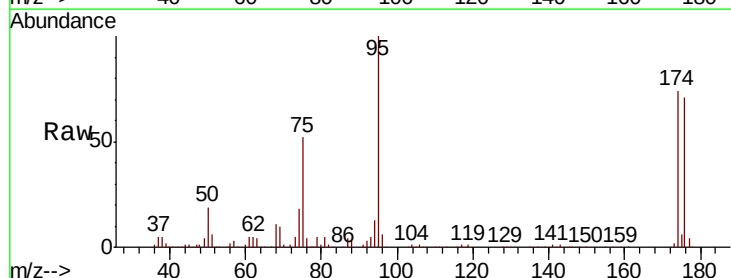
Acq: 2 Nov 2018 12:07

Tgt Ion: 75 Resp: 163285

Ion Ratio Lower Upper

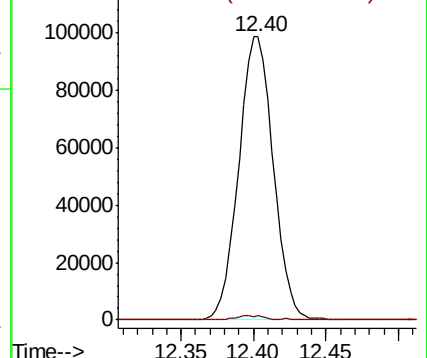
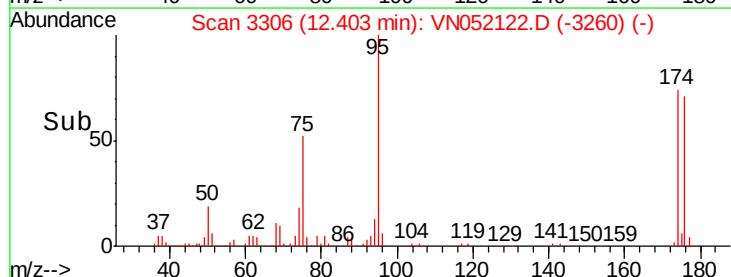
75 100

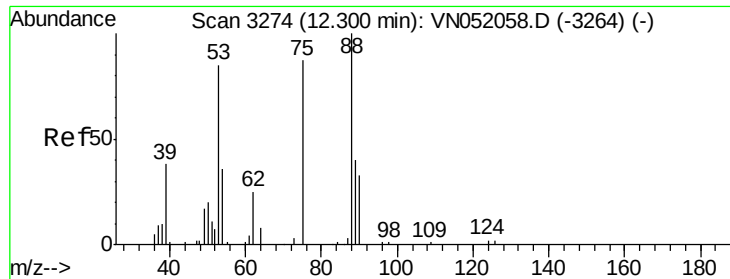
77 1.2 0.0 0.0#



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: 121.219 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#11

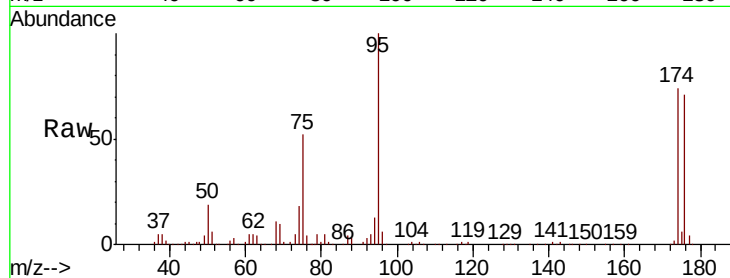
Tot Ion: 75 Resp: 163285

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.6#

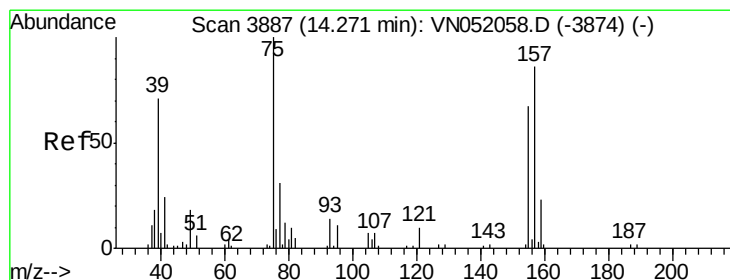
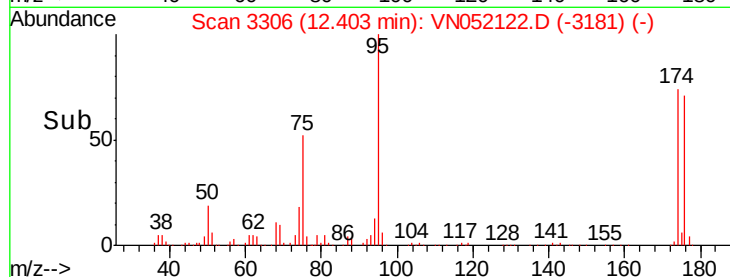
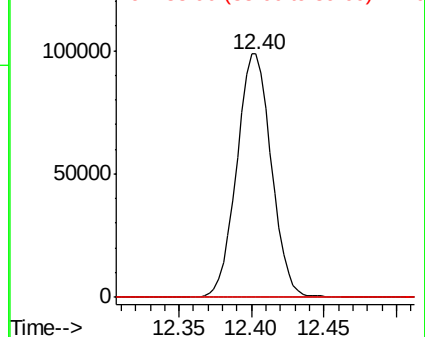
89 0.0 36.6 54.8#



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: 0.958 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052122.D

Acq: 2 Nov 2018 12:07

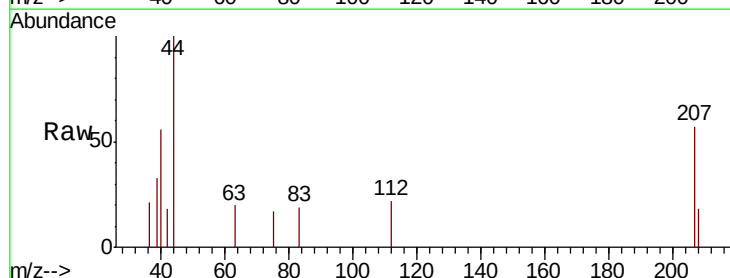
Tgt Ion: 75 Resp: 29

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

