

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052337.D
 Acq On : 15 Nov 2018 12:36
 Operator : MD\SY
 Sample : PB114828ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:51:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	325976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	547140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145451	50.00	ug/l	0.00

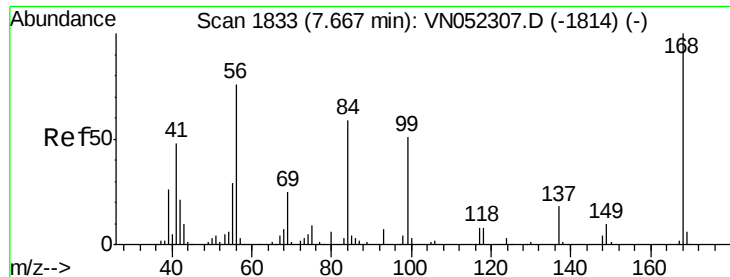
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	226177	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.59	113	176487	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	687688	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	189815	41.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.12%	

Target Compounds

					Qvalue	
16) Acetone	3.82	43	7050	5.562	ug/l	99
18) Methyl Acetate	4.32	43	823	0.661	ug/l #	85
20) Methylene Chloride	4.56	84	14635	3.138	ug/l	94
29) Tetrahydrofuran	7.20	42	372	0.317	ug/l #	47
31) Cyclohexane	7.67	56	9949	0.369	ug/l #	45
36) 1,1-Dichloropropene	7.67	75	29849	5.443	ug/l #	52
38) Carbon Tetrachloride	7.67	117	35128	6.972	ug/l #	15
41) Methacrylonitrile	7.18	41	70	3.725	ug/l #	100
43) Isopropyl Acetate	8.17	43	23769	3.095	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	1330	0.299	ug/l #	44
48) Methyl methacrylate	9.18	41	6201	1.591	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	7692	1.990	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	42893	7.063	ug/l #	68
56) Ethyl methacrylate	10.55	69	1074	0.240	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	8595	1.428	ug/l #	43
59) 2-Hexanone	10.76	43	140335	52.776	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	105756	42.850	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9366	1.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105756	138.980	ug/l #	5
95) Naphthalene	15.14	128	153	2.633	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

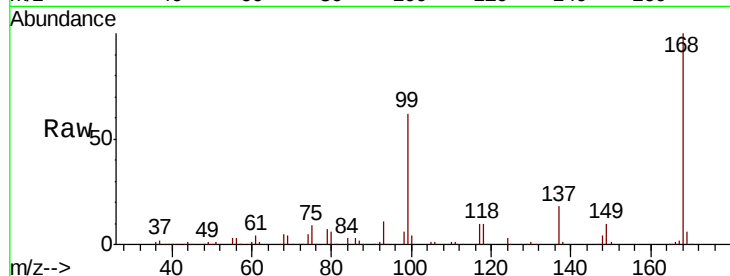
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 325976

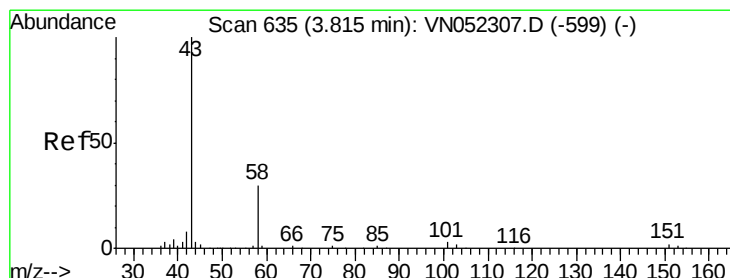
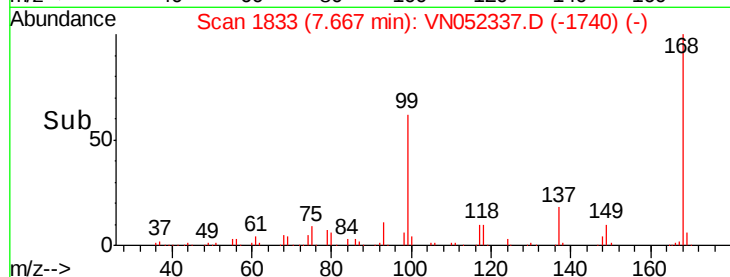
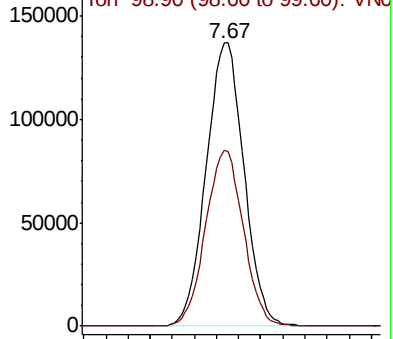
Ion Ratio Lower Upper

168 100

99 62.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052337.D (-1740) (-)



#16

Acetone

Concen: 5.562 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052337.D

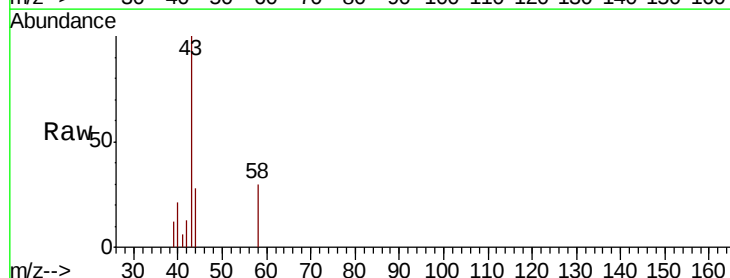
Acq: 15 Nov 2018 12:36

Tgt Ion: 43 Resp: 7050

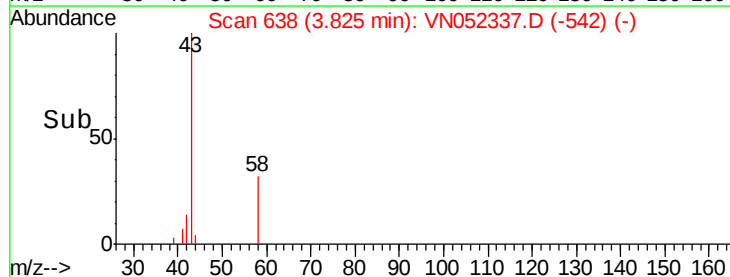
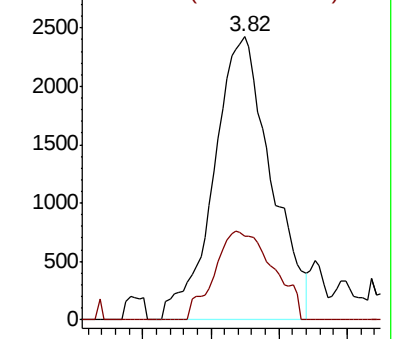
Ion Ratio Lower Upper

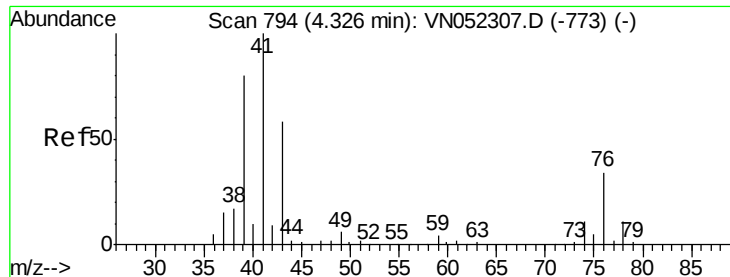
43 100

58 29.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052337.D (-542) (-)





#18

Methyl Acetate

Concen: 0.661 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

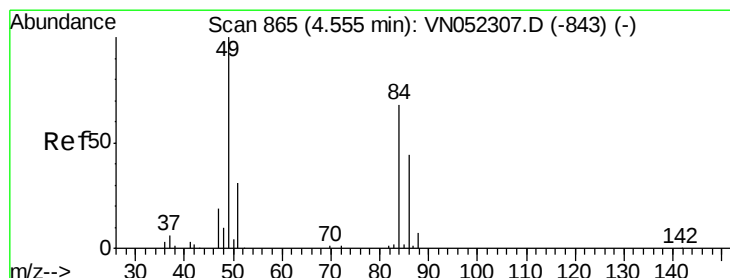
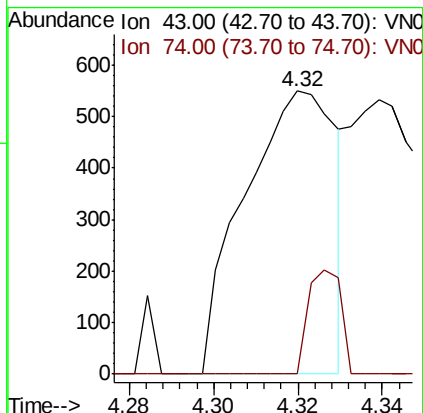
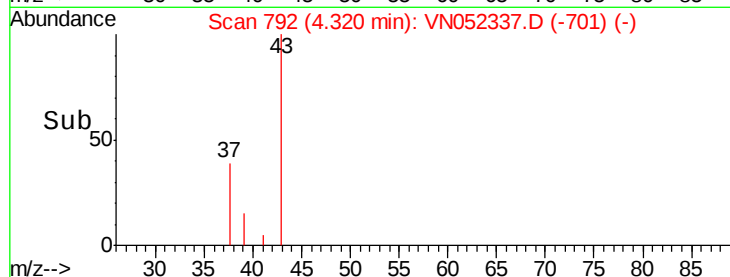
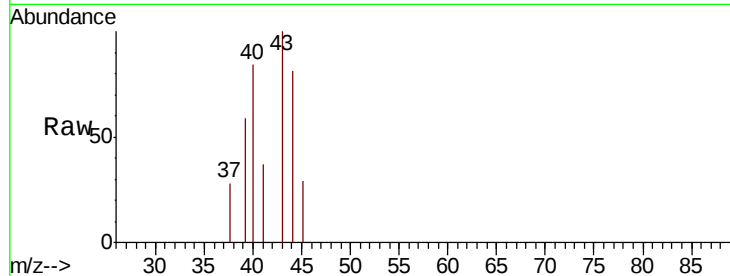
ClientSampleId :

Tot Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

74 13.2 15.9 23.9#



#20

Methylene Chloride

Concen: 3.138 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Tgt Ion: 84 Resp: 14635

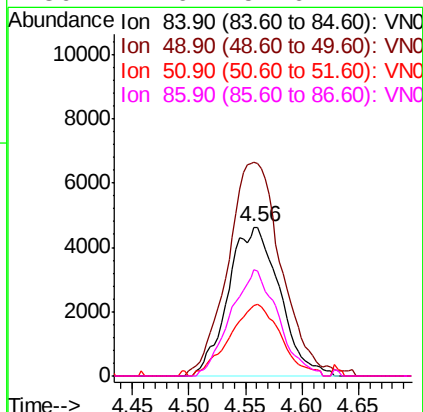
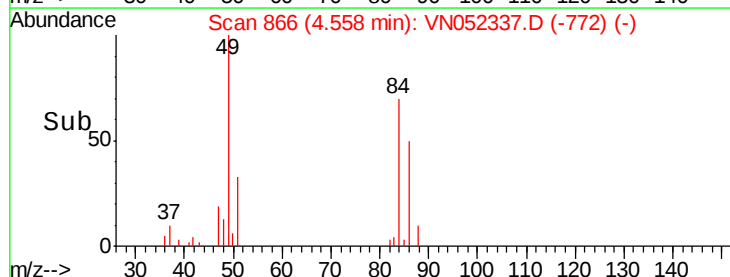
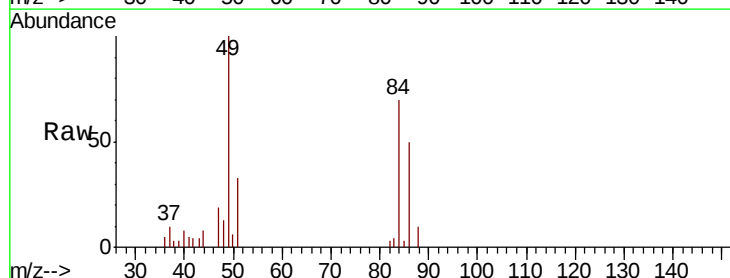
Ion Ratio Lower Upper

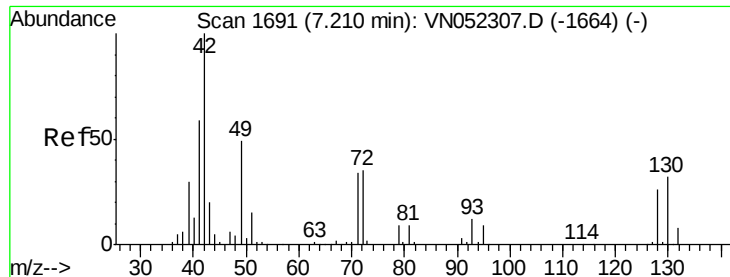
84 100

49 139.7 118.2 177.2

51 47.2 36.1 54.1

86 71.6 51.6 77.4





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

ClientSampleId :

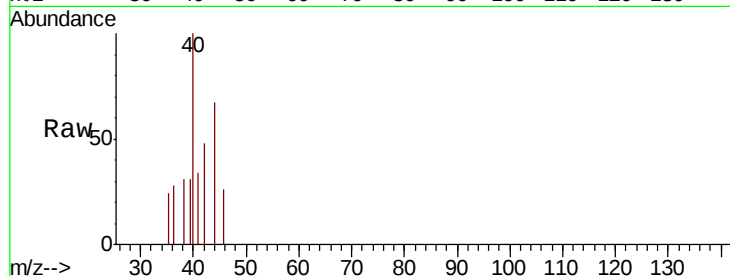
Tot Ion: 42 Resp: 372

Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

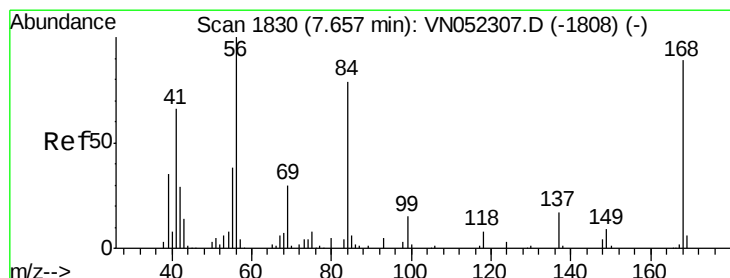
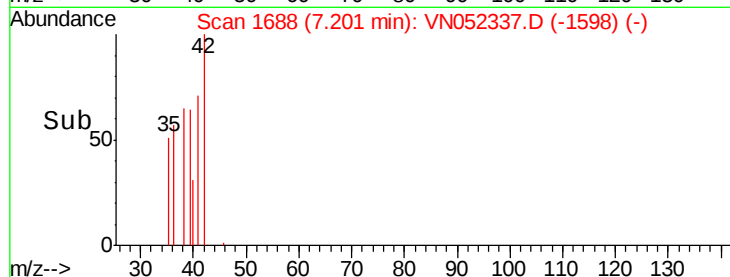
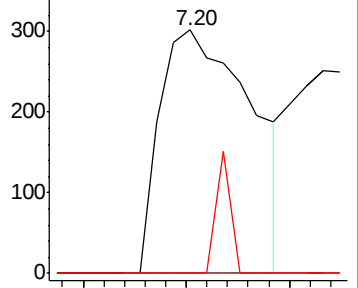
71 7.8 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VN052337.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN052337.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN052337.D (-1664) (-)



#31

Cyclohexane

Concen: 0.369 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

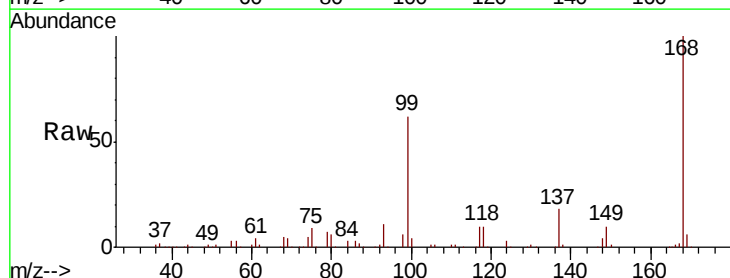
Tgt Ion: 56 Resp: 9949

Ion Ratio Lower Upper

56 100

69 118.6 23.8 35.8#

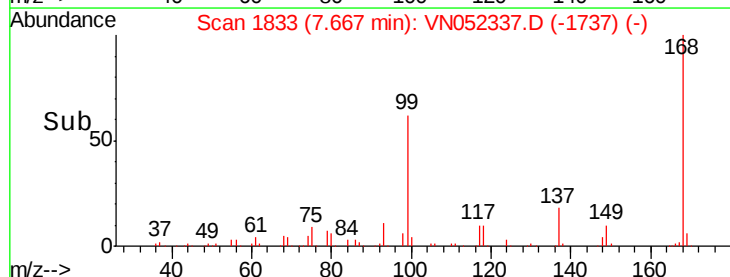
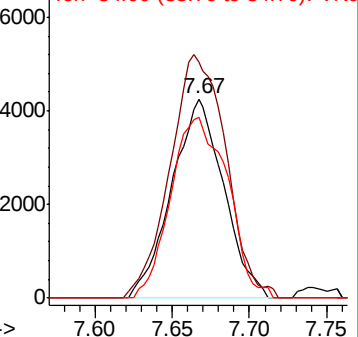
84 91.2 63.0 94.6

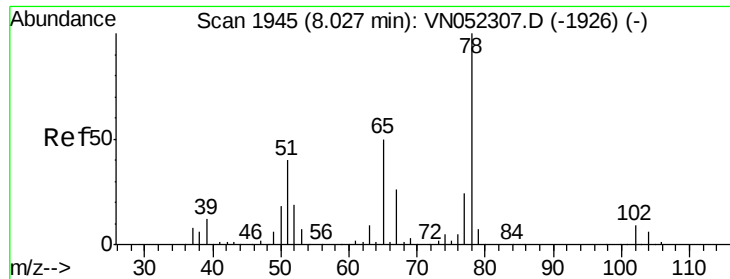


Abundance Ion 56.00 (55.70 to 56.70): VN052337.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN052337.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN052337.D (-1808) (-)

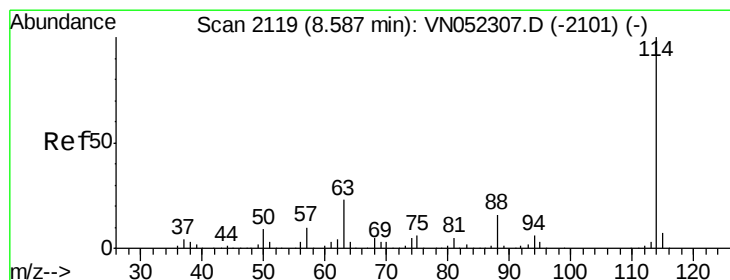
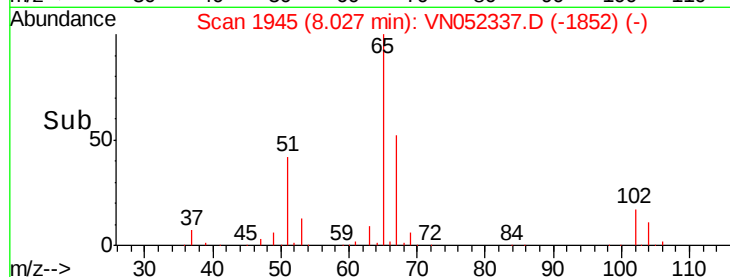
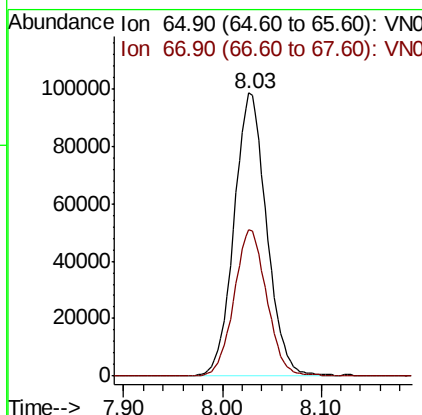
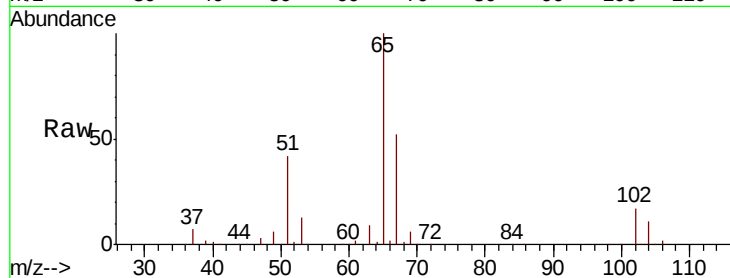




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

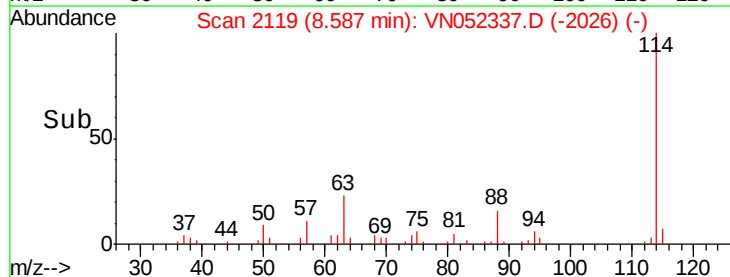
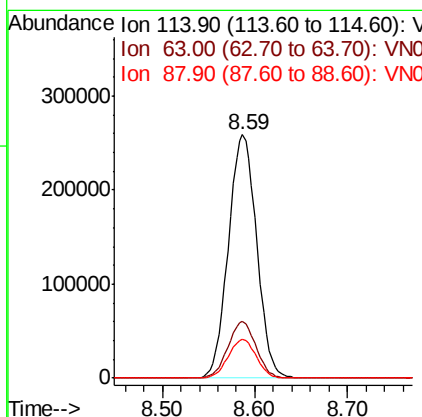
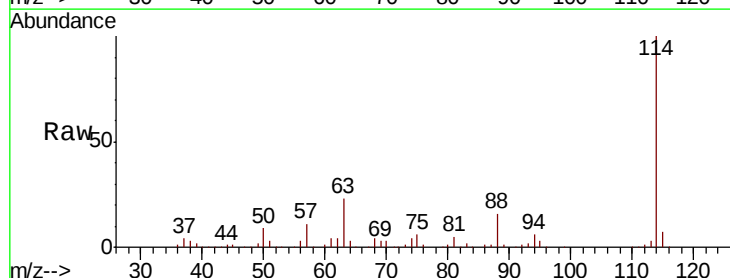
Instrument :
 MSVOA_N
 ClientSampleId :

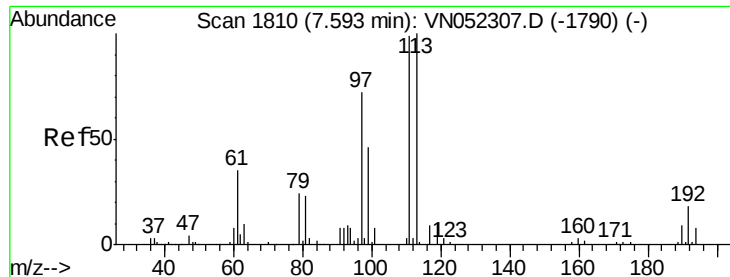
Tot Ion: 65 Resp: 226177
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

Tgt Ion: 114 Resp: 547140
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 15.9 0.0 31.2

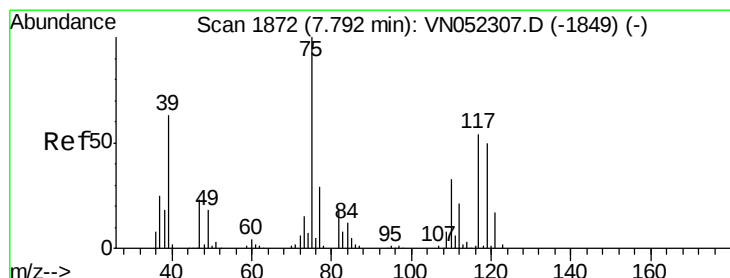
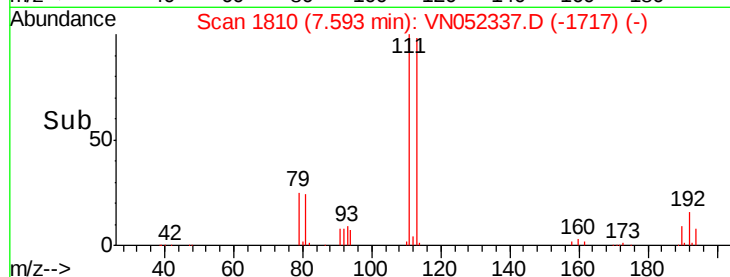
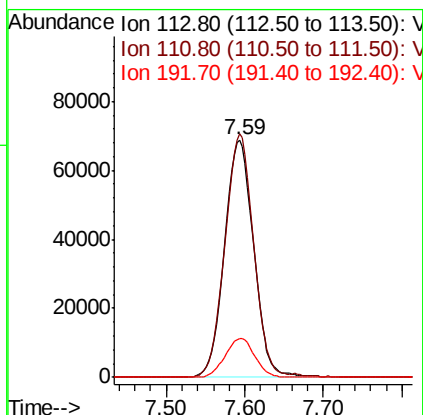
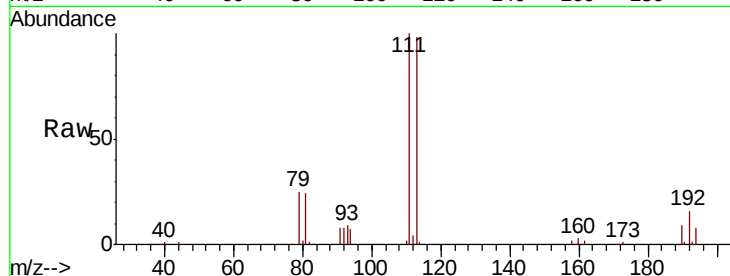




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

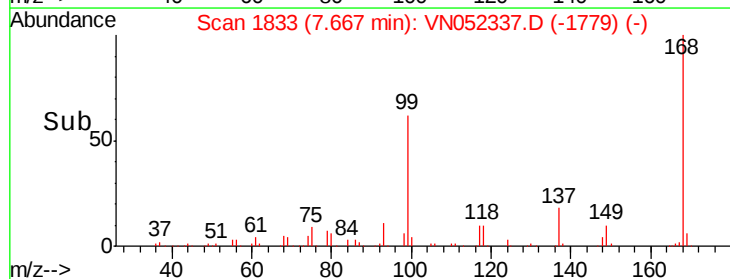
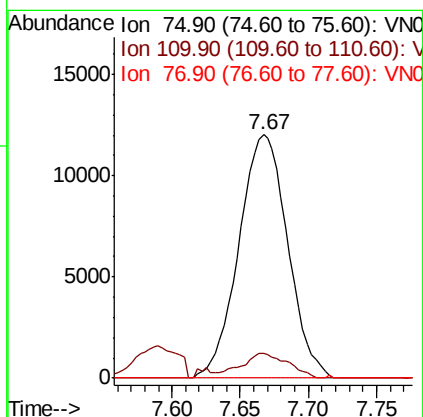
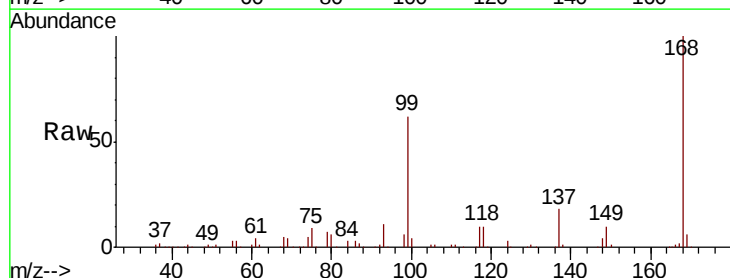
Instrument :
 MSVOA_N
 ClientSampleId :

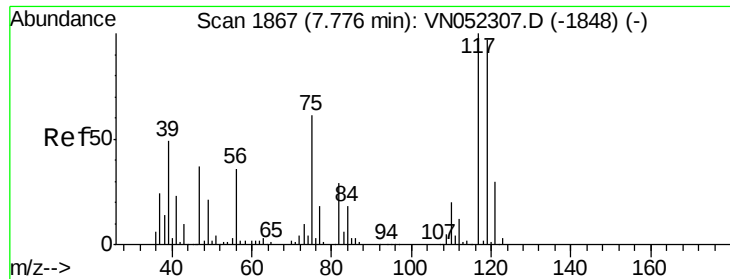
Tot Ion:113 Resp: 176487
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.0 121.6
 192 16.6 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.443 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

Tgt Ion: 75 Resp: 29849
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.5 49.5#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.972 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

ClientSampleId :

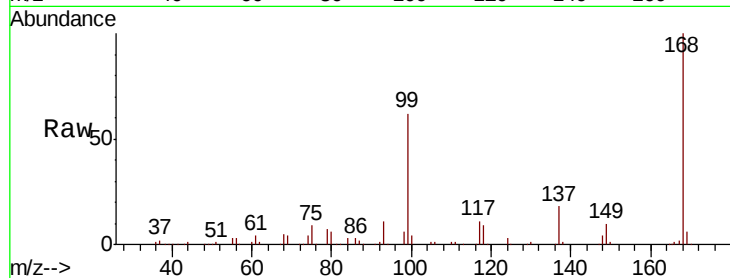
Tot Ion:117 Resp: 35128

Ion Ratio Lower Upper

117 100

119 4.4 77.4 116.0#

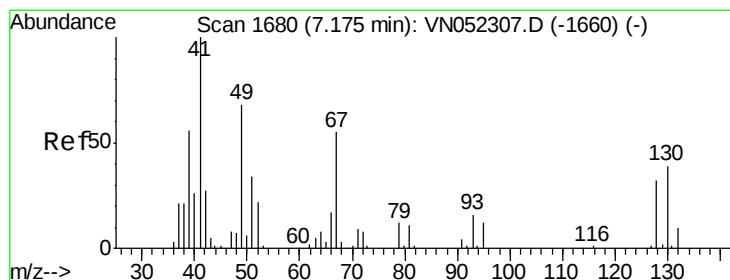
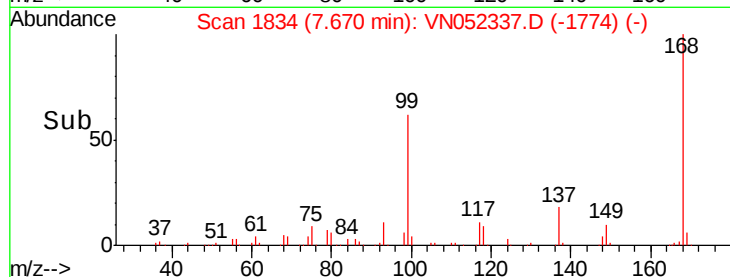
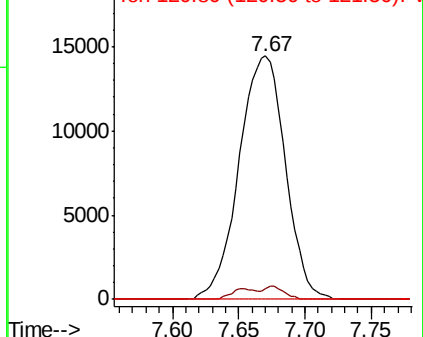
121 0.0 24.0 36.0#



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: 3.725 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Tgt Ion: 41 Resp: 70

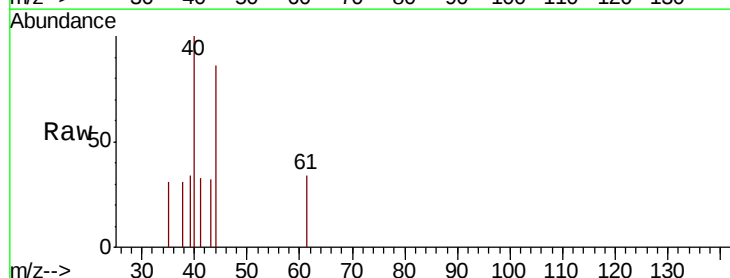
Ion Ratio Lower Upper

41 100

39 215.7 0.0 0.0#

67 101.4 0.0 0.0#

52 0.0 0.0 0.0

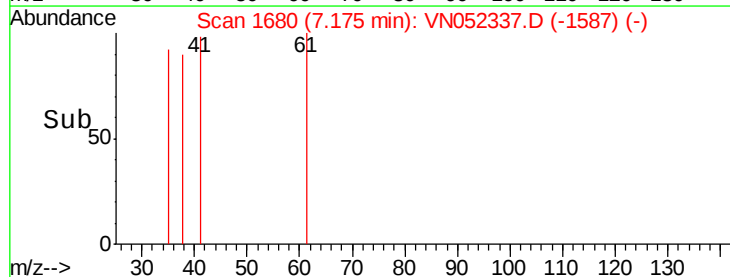
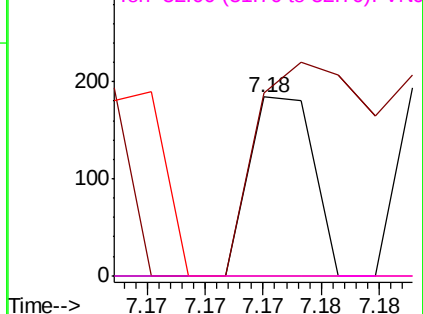


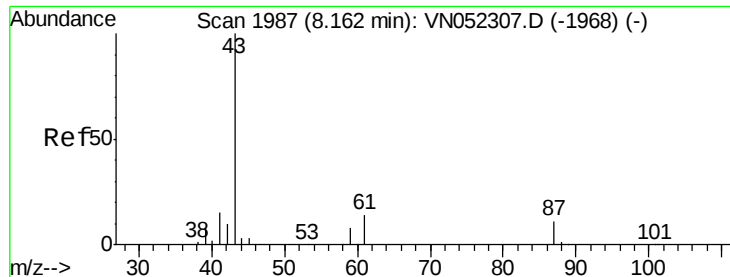
Abundance Ion 41.00 (40.70 to 41.70): V

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: 3.095 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

ClientSampleId :

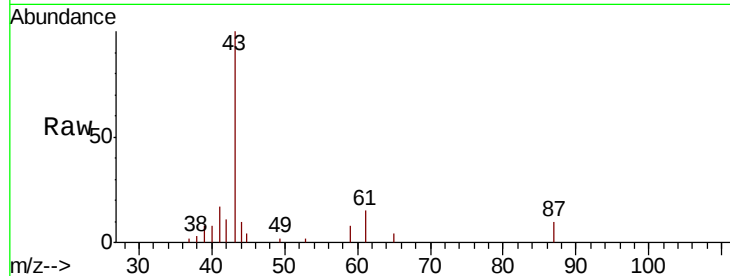
Tot Ion: 43 Resp: 23769

Ion Ratio Lower Upper

43 100

61 8.5 12.0 18.0#

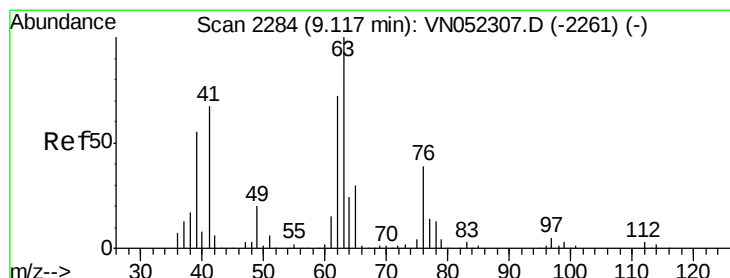
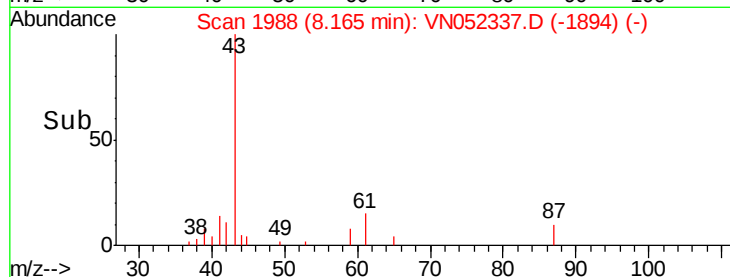
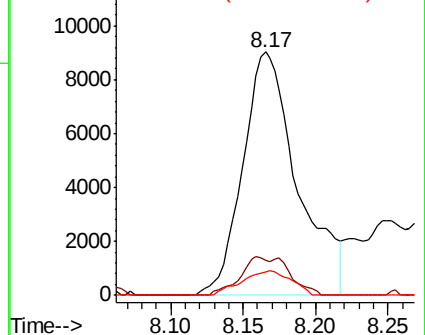
87 9.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052337.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052337.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052337.D (-1968) (-)



#45

1,2-Dichloropropane

Concen: 0.299 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN052337.D

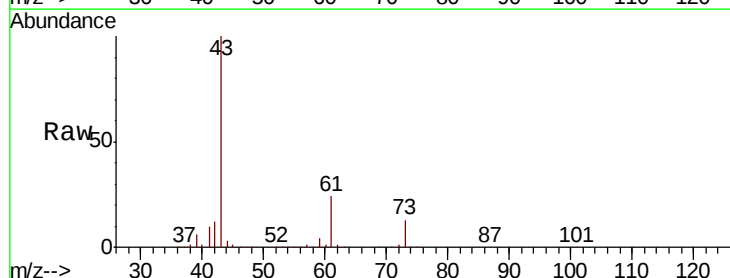
Acq: 15 Nov 2018 12:36

Tgt Ion: 63 Resp: 1330

Ion Ratio Lower Upper

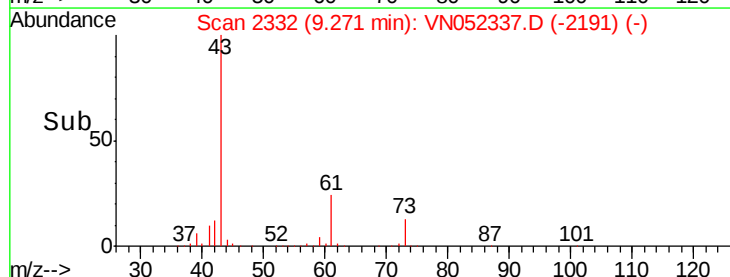
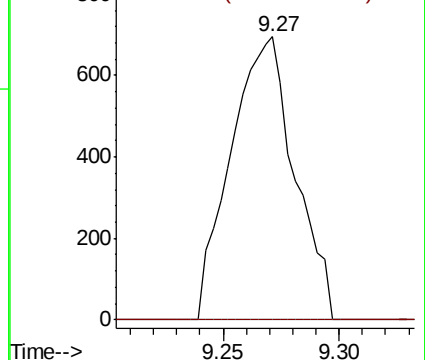
63 100

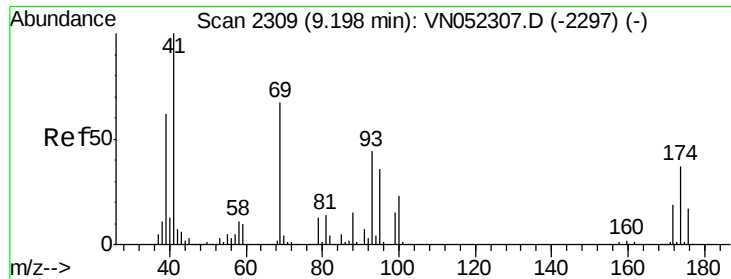
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN052337.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN052337.D (-2191) (-)

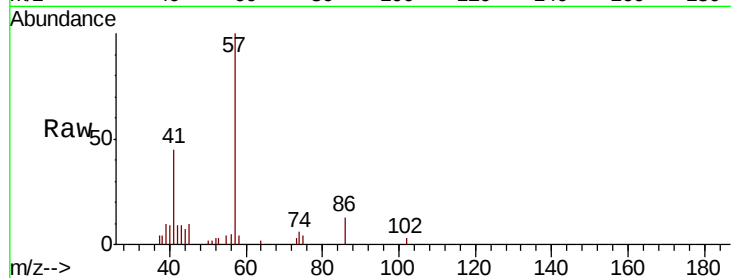




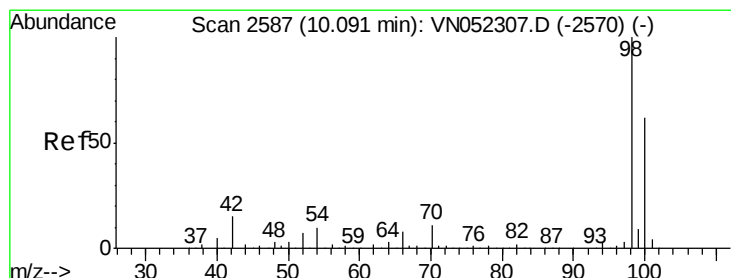
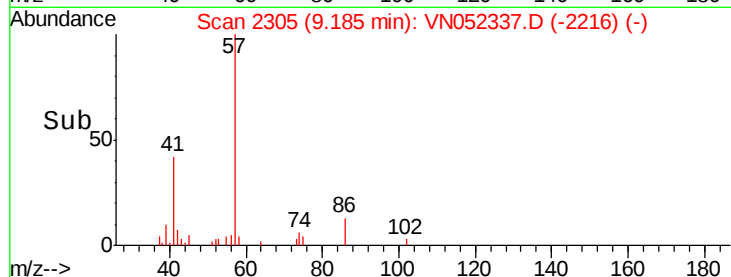
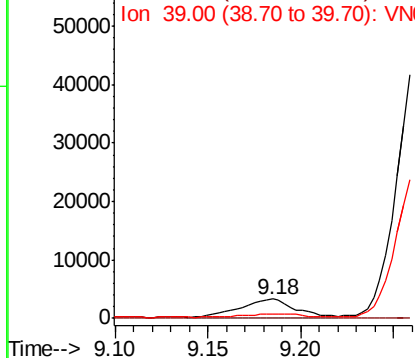
#48
Methvl methacrylate
Concen: 1.591 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 6201
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#

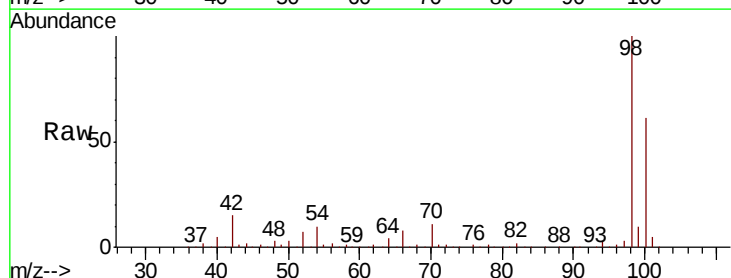


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

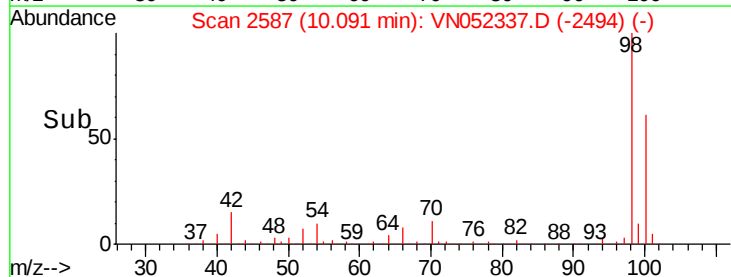
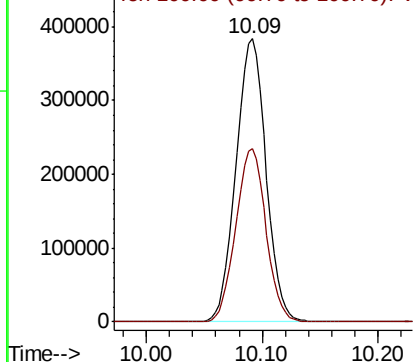


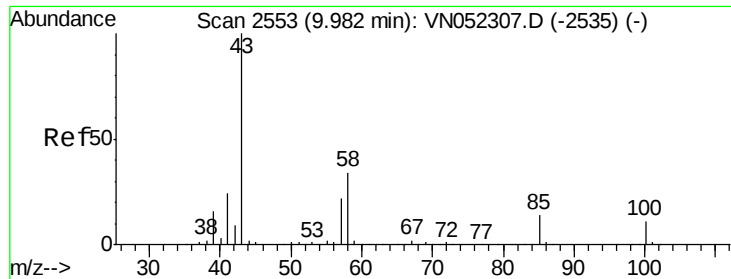
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

Tgt Ion: 98 Resp: 687688
Ion Ratio Lower Upper
98 100
100 61.4 49.5 74.3



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





#51

4-Methyl-2-Pentanone

Concen: 1.990 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

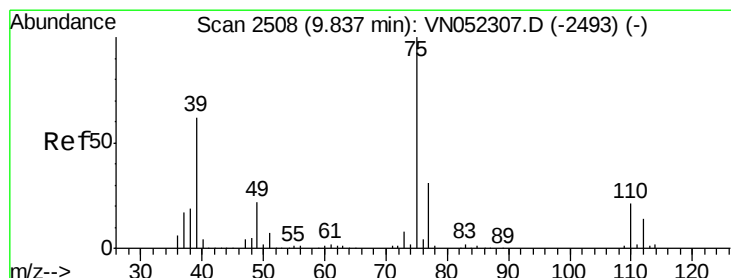
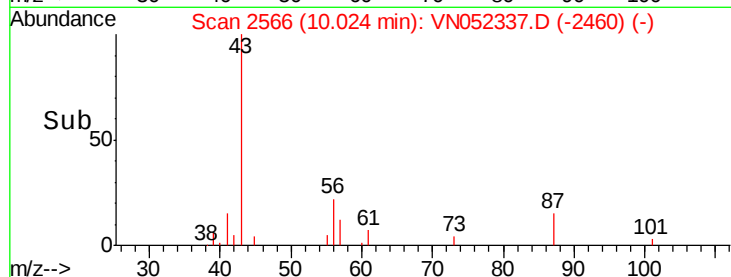
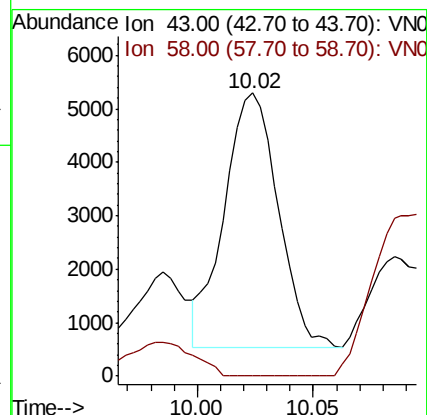
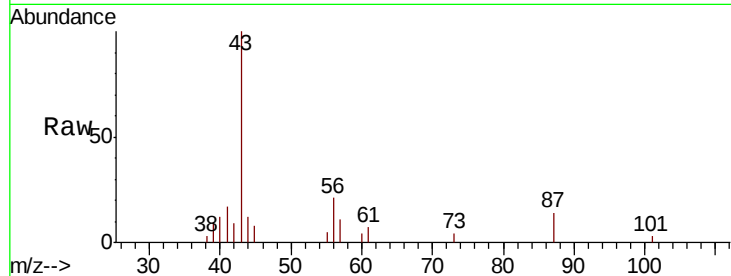
ClientSampled :

Tot Ion: 43 Resp: 7692

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 7.063 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

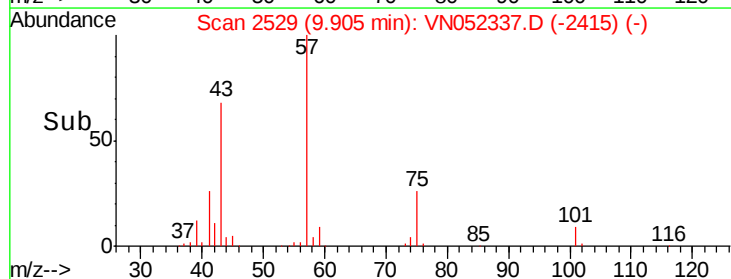
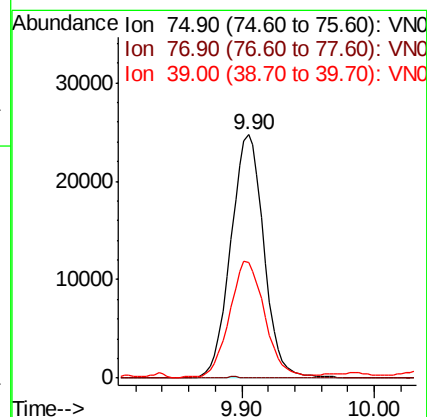
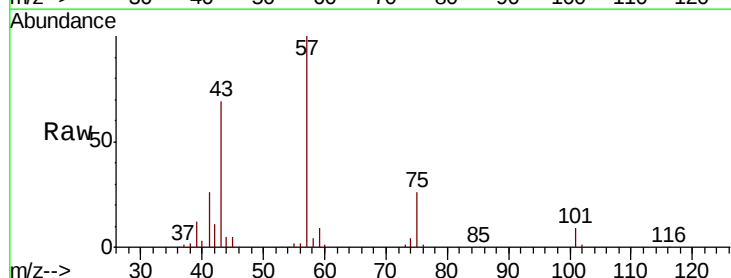
Tgt Ion: 75 Resp: 42893

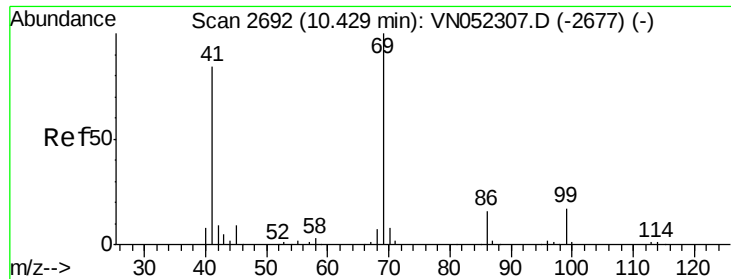
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 47.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 0.240 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

ClientSampleId :

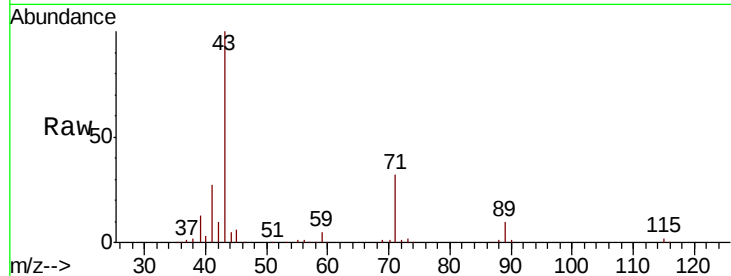
Tot Ion: 69 Resp: 1074

Ion Ratio Lower Upper

69 100

41 4955.9 64.8 97.2#

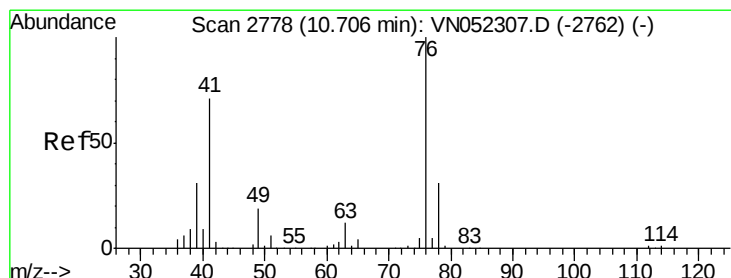
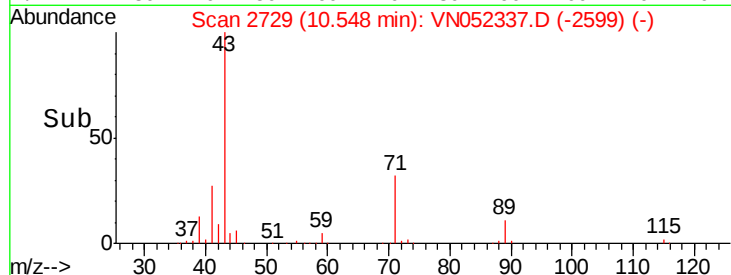
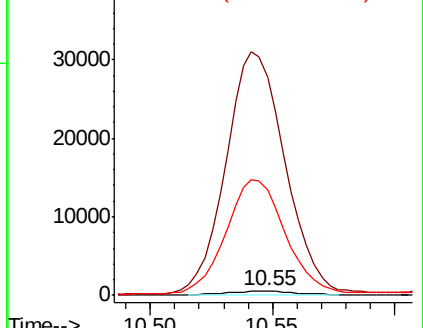
39 2374.5 41.0 61.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.428 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052337.D

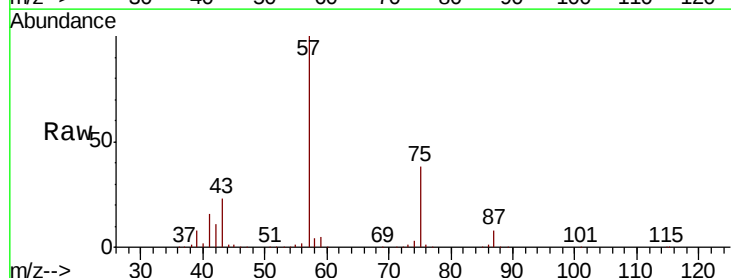
Acq: 15 Nov 2018 12:36

Tgt Ion: 76 Resp: 8595

Ion Ratio Lower Upper

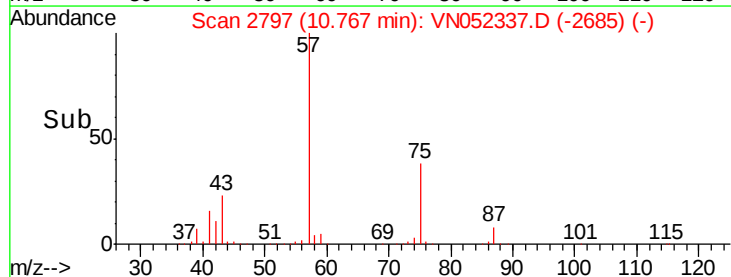
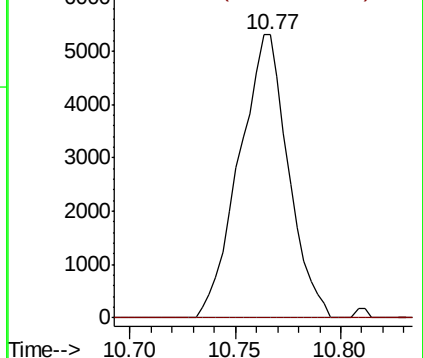
76 100

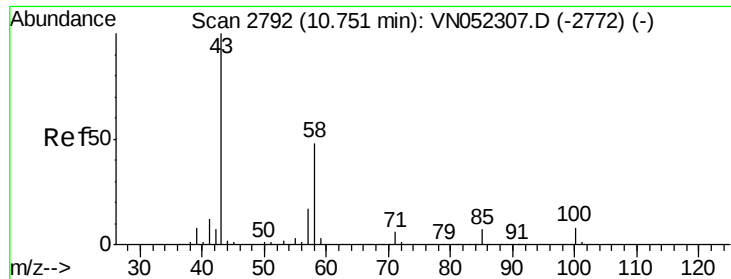
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

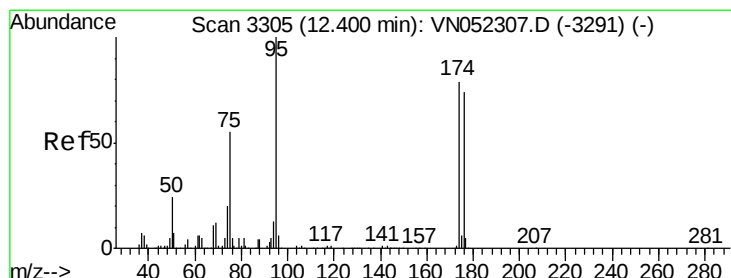
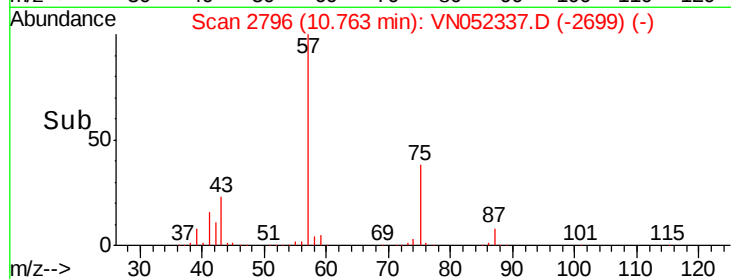
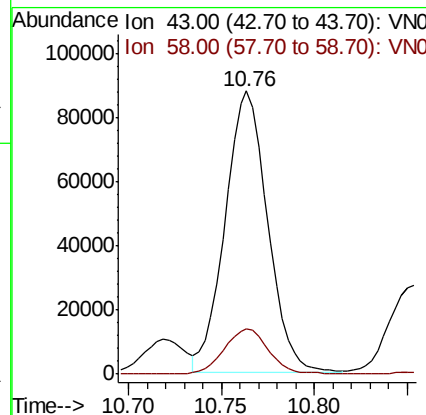
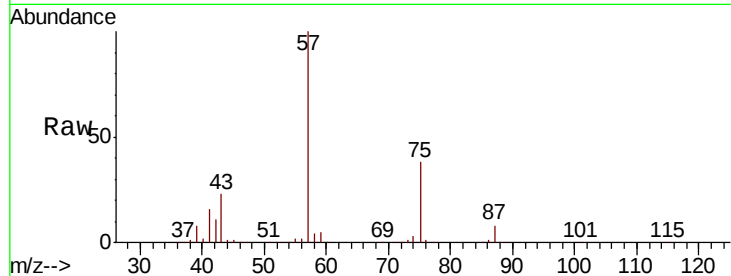




#59
2-Hexanone
Concen: 52.776 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

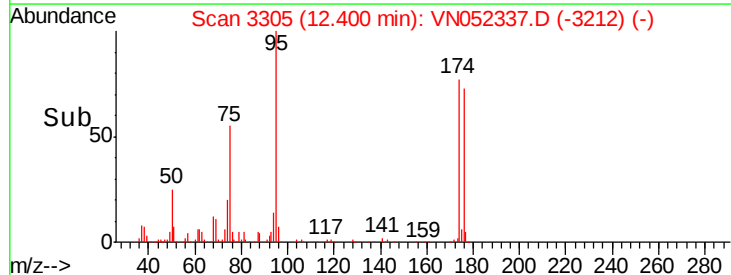
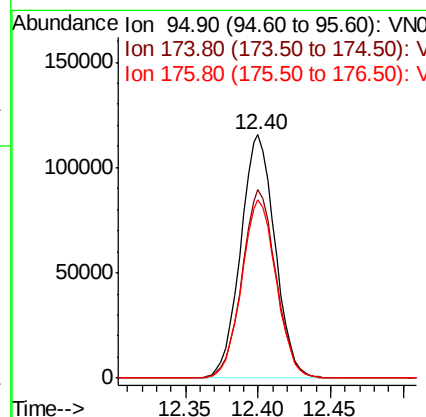
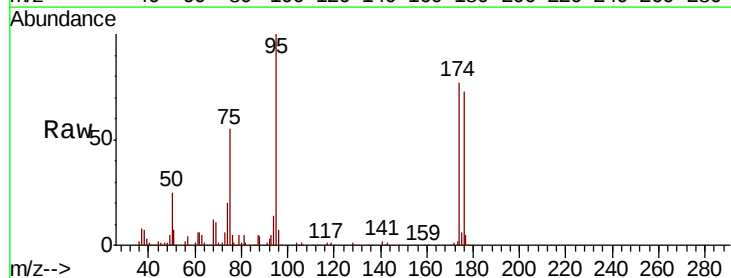
Instrument :
MSVOA_N
ClientSampleId :

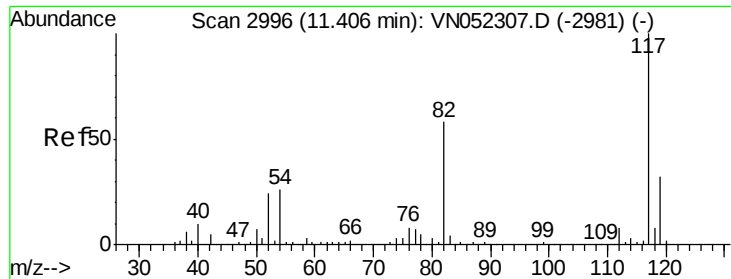
Tot Ion: 43 Resp: 140335
Ion Ratio Lower Upper
43 100
58 17.1 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

Tgt Ion: 95 Resp: 189815
Ion Ratio Lower Upper
95 100
174 77.0 0.0 156.0
176 73.8 0.0 148.4

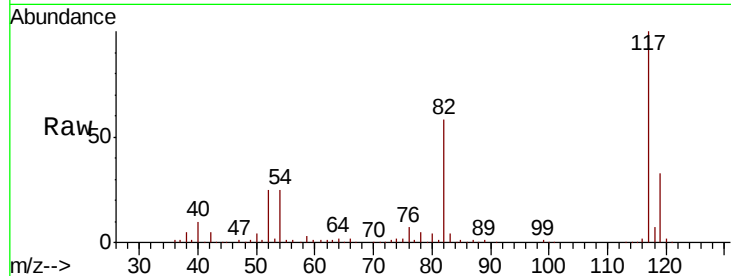




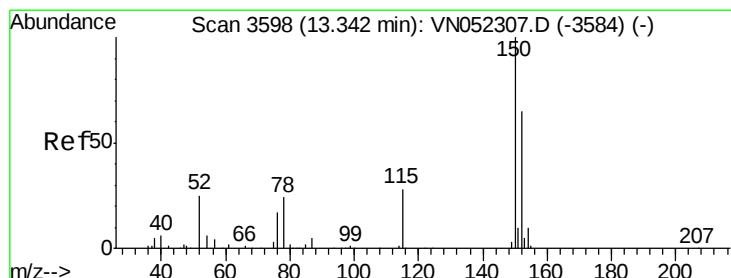
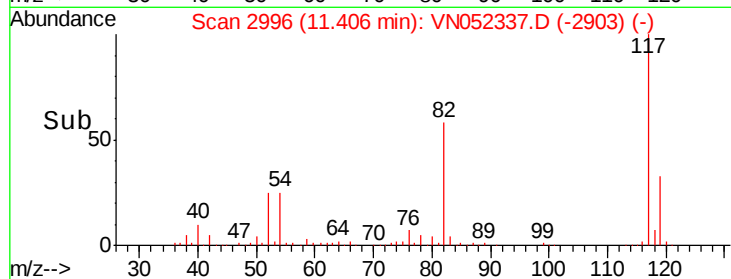
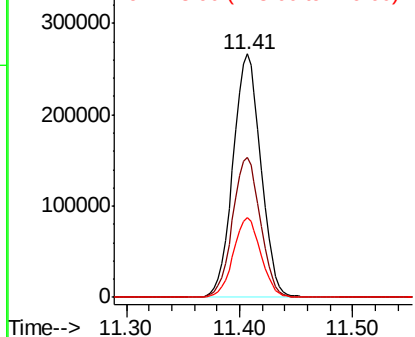
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 456245
Ion Ratio Lower Upper
117 100
82 57.5 46.5 69.7
119 32.6 25.7 38.5

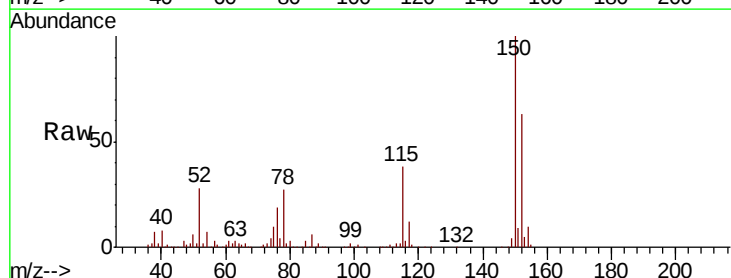


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

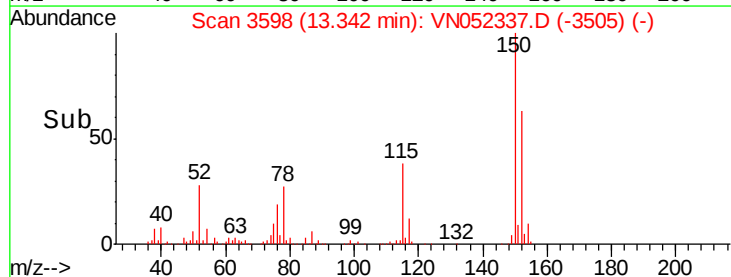
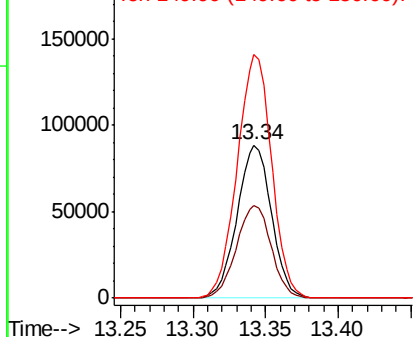


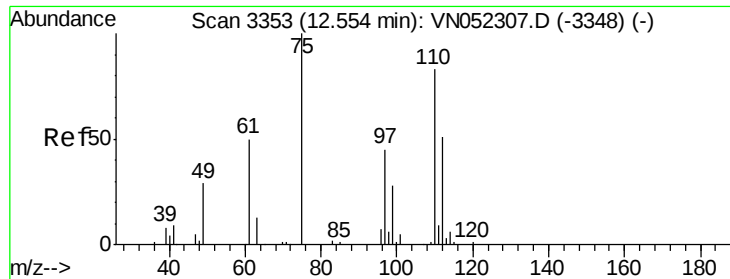
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052337.D
Acq: 15 Nov 2018 12:36

Tgt Ion:152 Resp: 145451
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 159.5 0.0 348.2



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

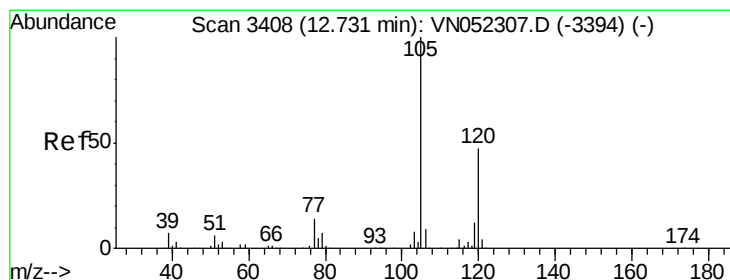
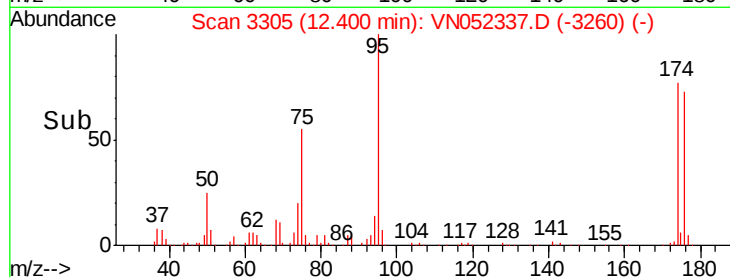
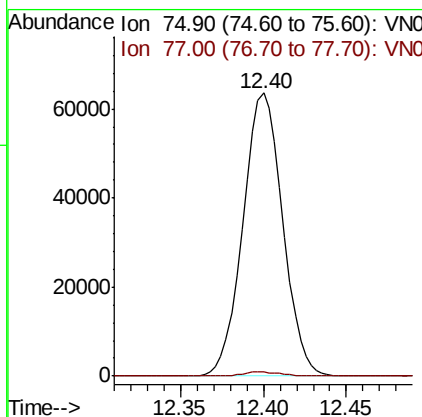
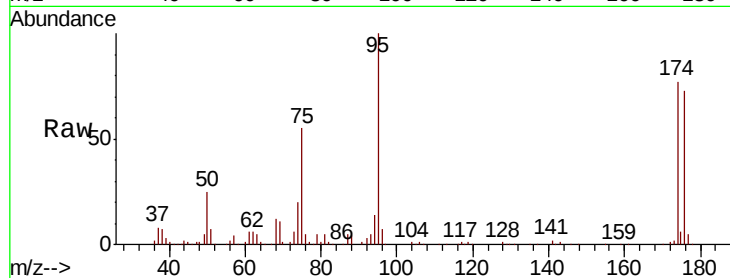




#76
 1,2,3-Trichloropropane
 Concen: 42.850 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

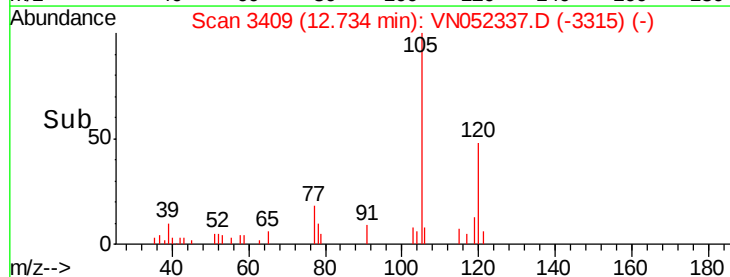
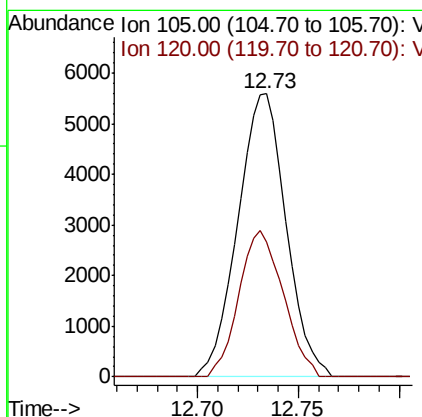
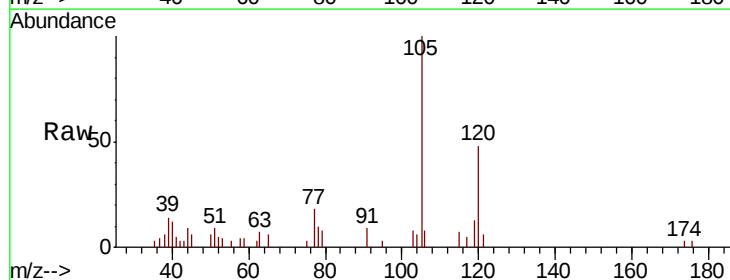
Instrument :
 MSVOA_N
 ClientSampleId :

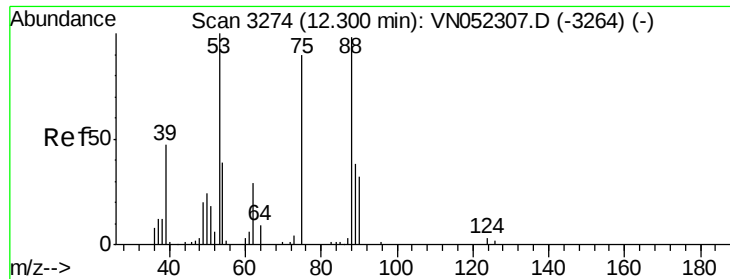
Tot Ion: 75 Resp: 105756
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.007 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052337.D
 Acq: 15 Nov 2018 12:36

Tgt Ion:105 Resp: 9366
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 138.980 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

Instrument :

MSVOA_N

ClientSampleId :

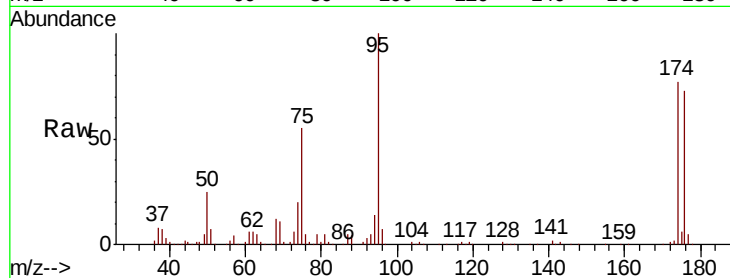
Tot Ion: 75 Resp: 105756

Ion Ratio Lower Upper

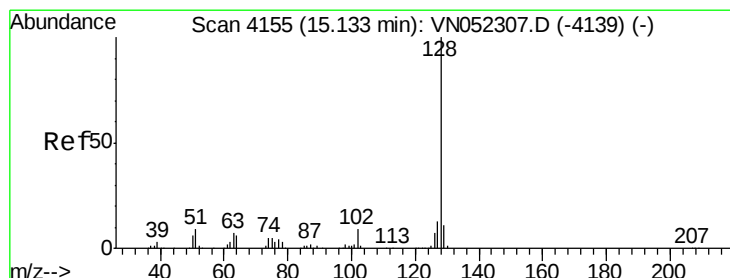
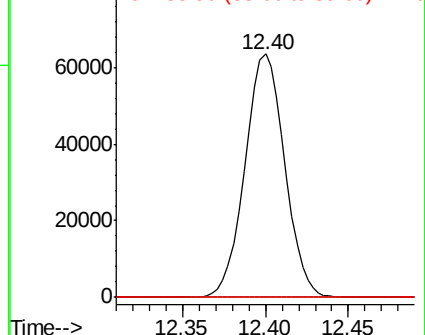
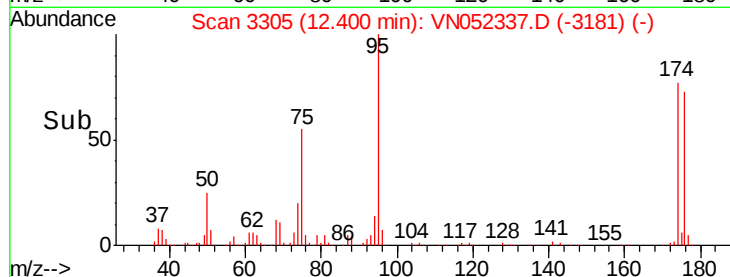
75 100

53 0.0 90.2 135.2#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052337.D (-3181) (-)



#95

Naphthalene

Concen: 2.633 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN052337.D

Acq: 15 Nov 2018 12:36

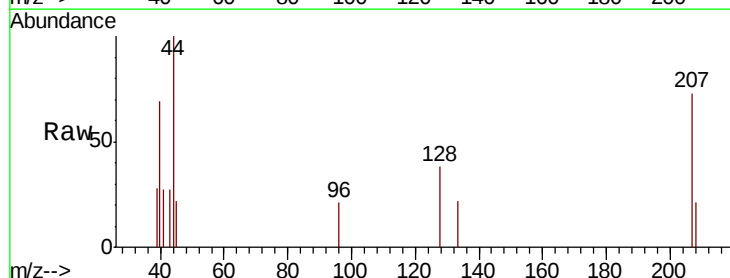
Tgt Ion:128 Resp: 153

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN052337.D (-4062) (-)

