

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111918\
 Data File : VN052384.D
 Acq On : 19 Nov 2018 14:53
 Operator : MD\SY
 Sample : PB114846TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

Quant Time: Nov 20 07:12:01 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	297284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	501156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146358	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	214877	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	7.59	113	163339	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.09	98	632647	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	189544	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

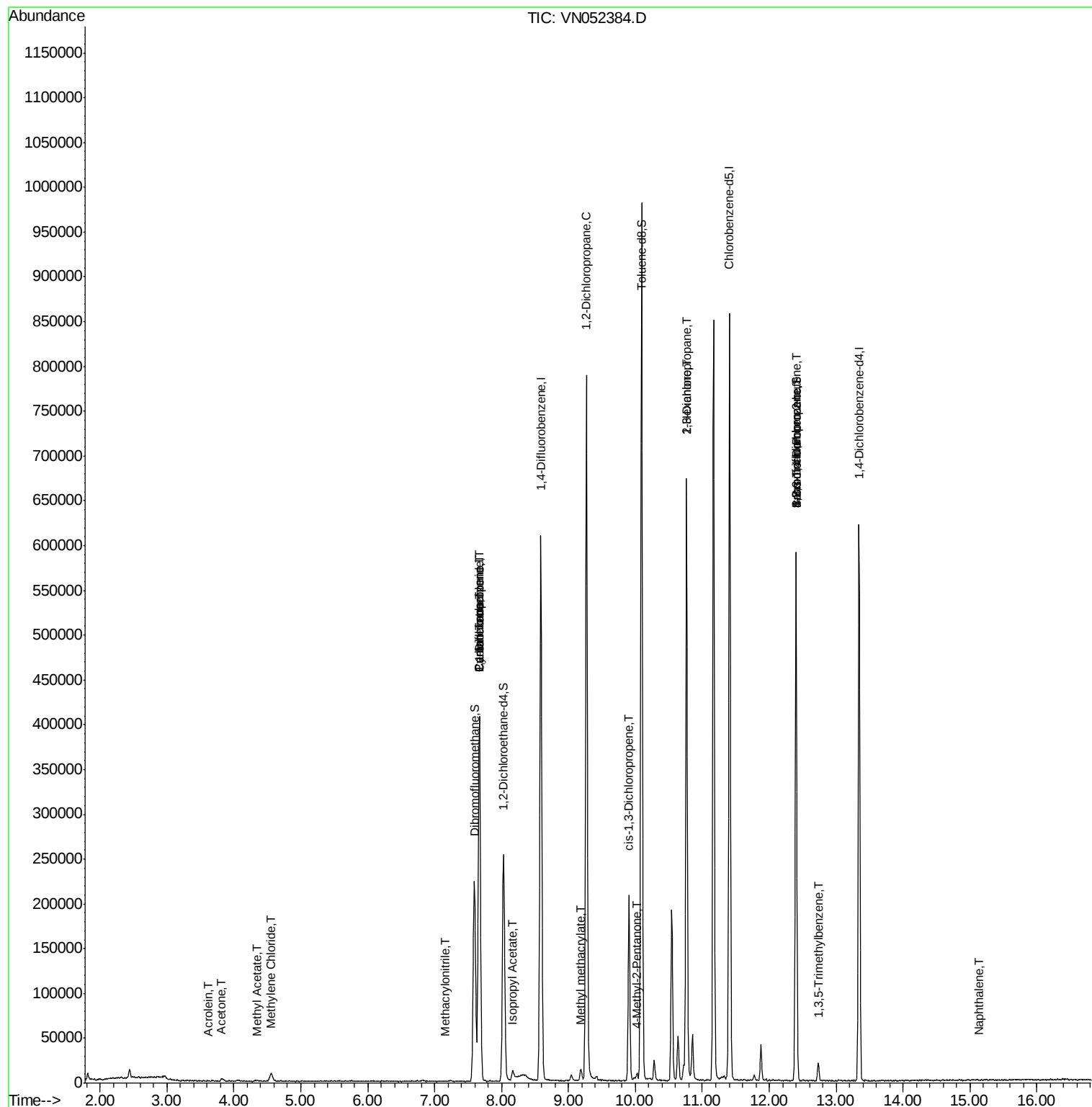
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	60	21.934	ug/l #	1
16) Acetone	3.81	43	1151	0.996	ug/l	91
18) Methyl Acetate	4.34	43	595	0.614	ug/l #	84
20) Methylene Chloride	4.56	84	5018	0.737	ug/l	93
31) Cyclohexane	7.67	56	9386	0.419	ug/l #	41
36) 1,1-Dichloropropene	7.67	75	28073	5.589	ug/l #	46
38) Carbon Tetrachloride	7.67	117	32528	7.049	ug/l #	15
41) Methacrylonitrile	7.16	41	131	3.755	ug/l #	100
43) Isopropyl Acetate	8.17	43	16303	2.318	ug/l	98
45) 1,2-Dichloropropane	9.27	63	960	0.236	ug/l #	44
48) Methyl methacrylate	9.18	41	5462	1.530	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	6741	1.904	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	31113	5.594	ug/l #	75
57) 1,3-Dichloropropane	10.76	76	6198	1.124	ug/l #	43
59) 2-Hexanone	10.76	43	110905	45.535	ug/l #	57
71) Bromoform	12.41	173	497	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	106799	43.005	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8960	0.958	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	106799	139.481	ug/l #	5
95) Naphthalene	15.14	128	387	2.675	ug/l #	69

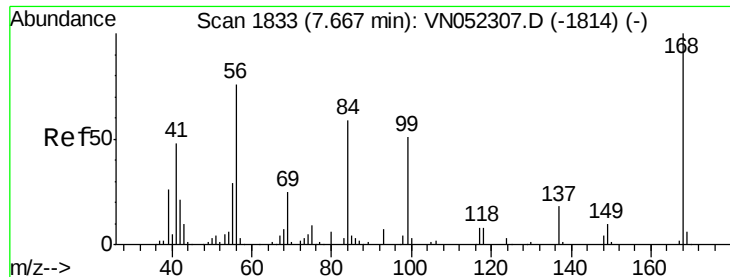
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 07:12:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

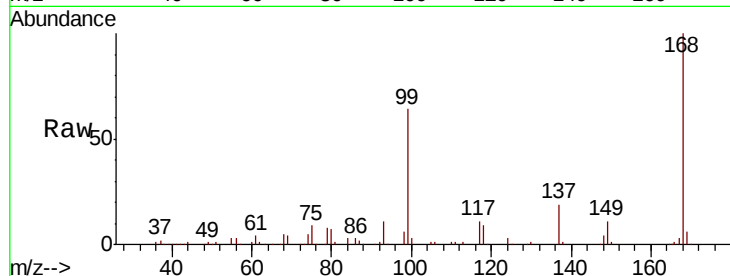
PB114846TB

Tot Ion:168 Resp: 297284

Ion Ratio Lower Upper

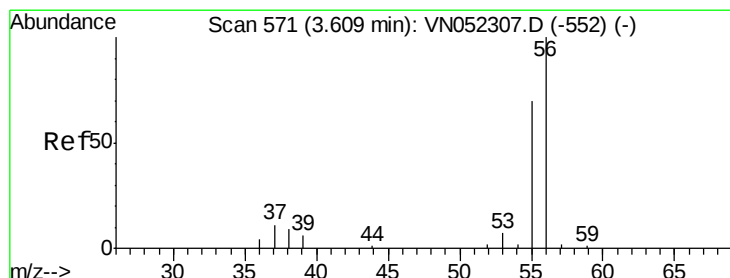
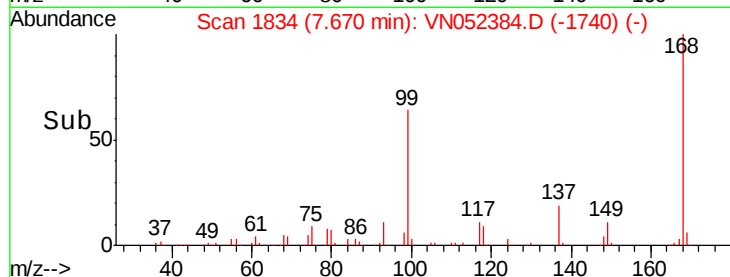
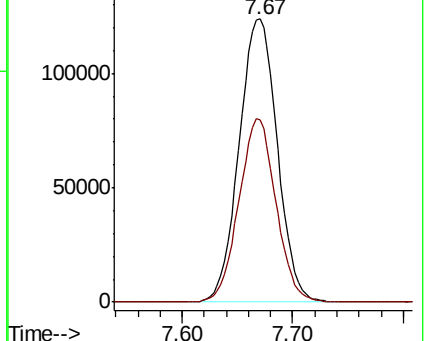
168 100

99 64.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 21.934 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052384.D

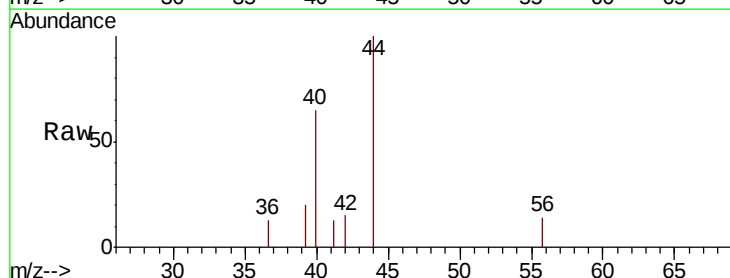
Acq: 19 Nov 2018 14:53

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

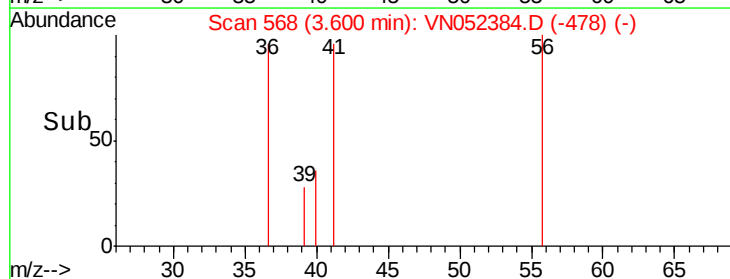
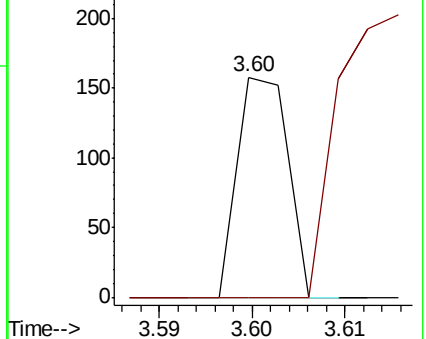
56 100

55 238.3 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 0.996 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

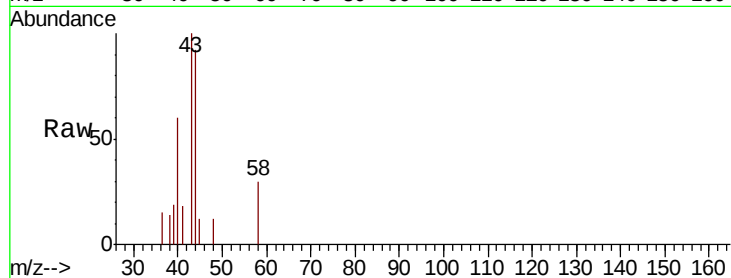
PB114846TB

Tot Ion: 43 Resp: 1151

Ion Ratio Lower Upper

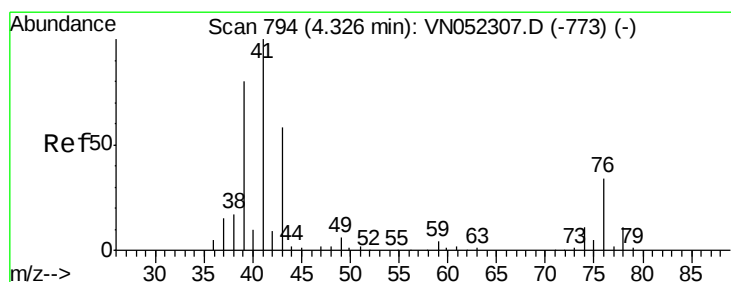
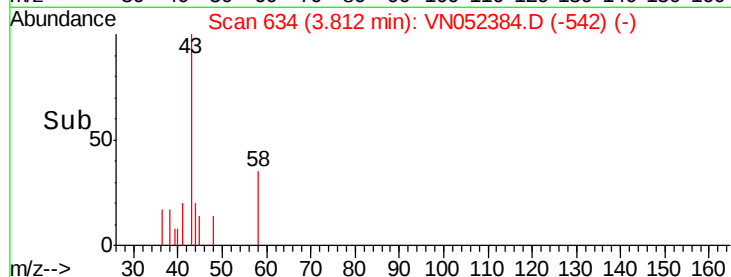
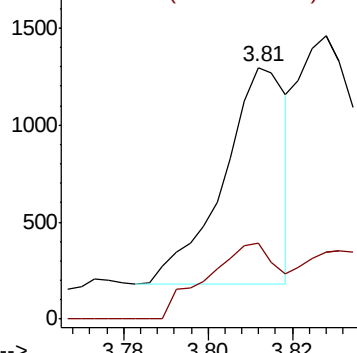
43 100

58 35.1 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.614 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052384.D

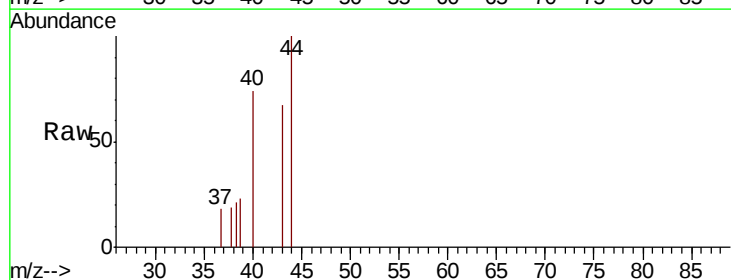
Acq: 19 Nov 2018 14:53

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

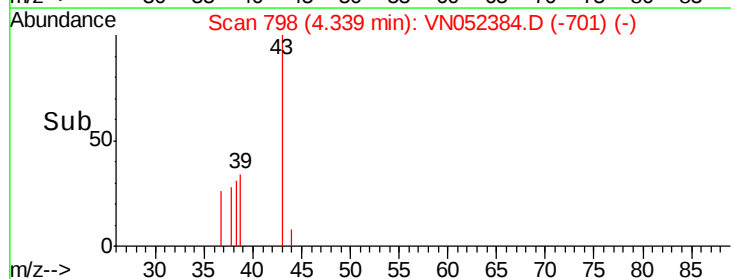
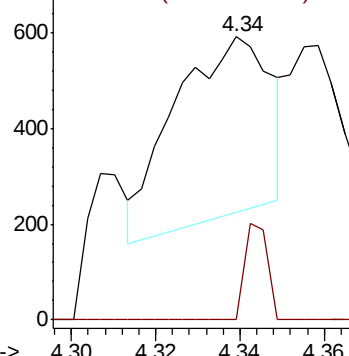
43 100

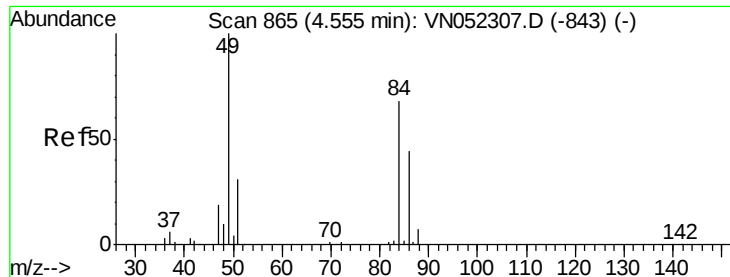
74 12.6 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

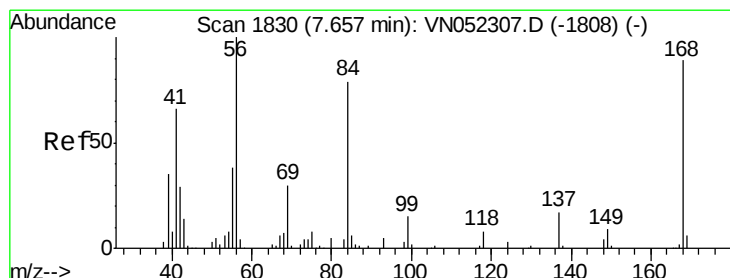
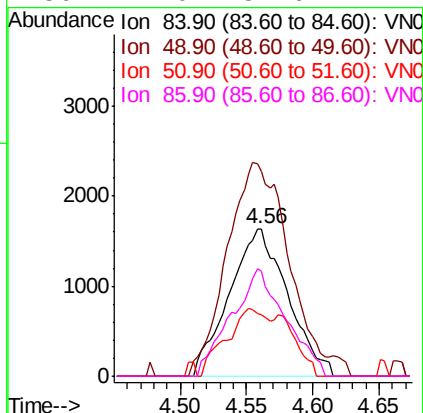
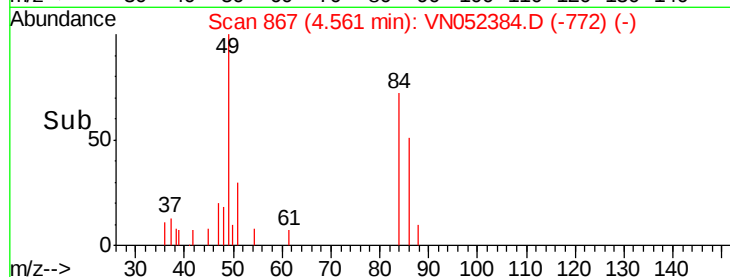
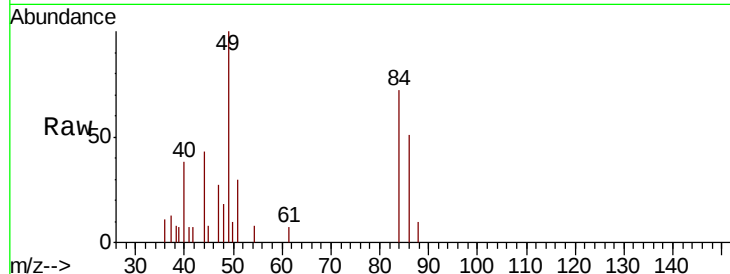




#20
Methvlene Chloride
Concen: 0.737 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

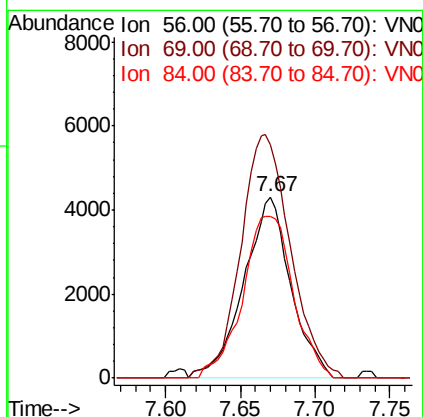
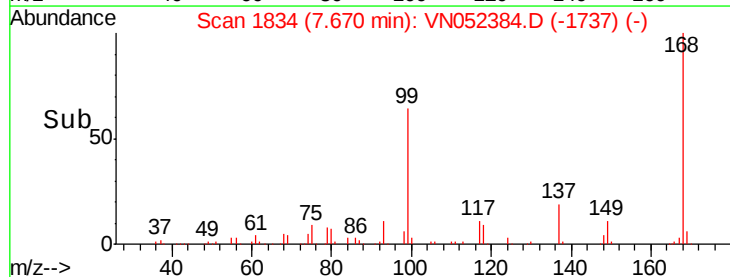
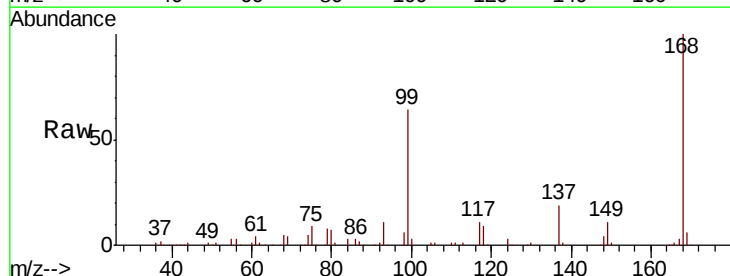
Instrument :
MSVOA_N
ClientSampleId :
PB114846TB

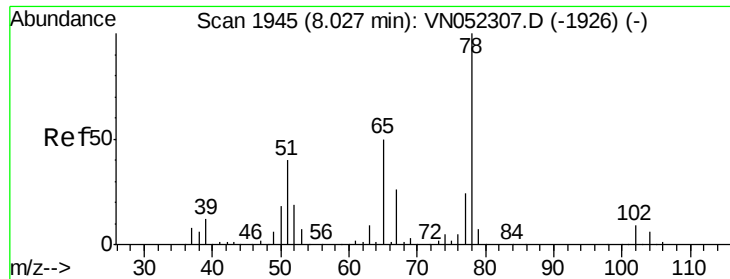
Tot Ion:	84	Resp:	5018
Ion	Ratio	Lower	Upper
84	100		
49	138.9	118.2	177.2
51	41.6	36.1	54.1
86	71.0	51.6	77.4



#31
Cyclohexane
Concen: 0.419 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

Tgt Ion:	56	Resp:	9386
Ion	Ratio	Lower	Upper
56	100		
69	129.0	23.8	35.8#
84	89.1	63.0	94.6

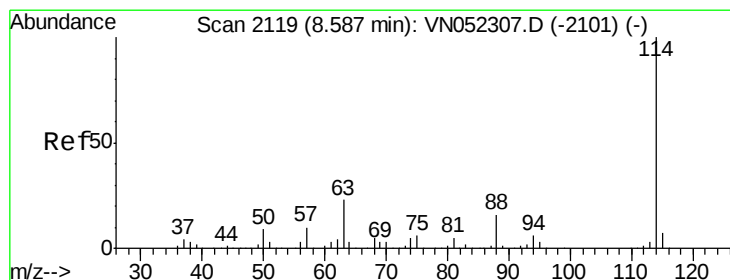
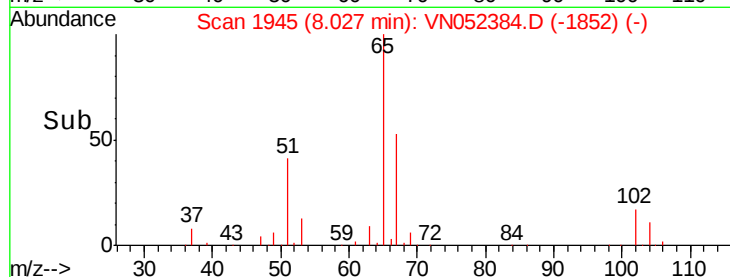
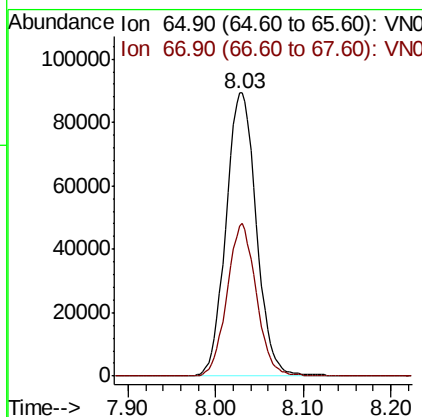
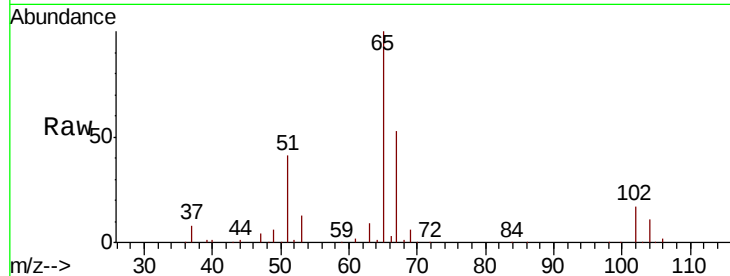




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

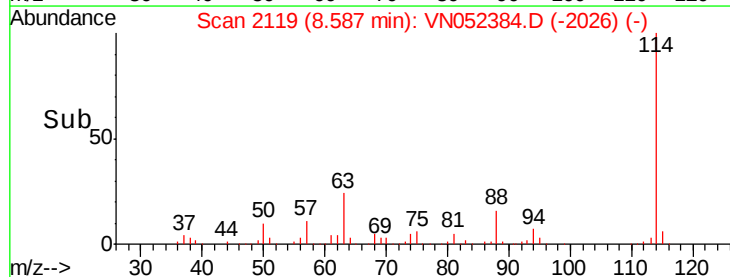
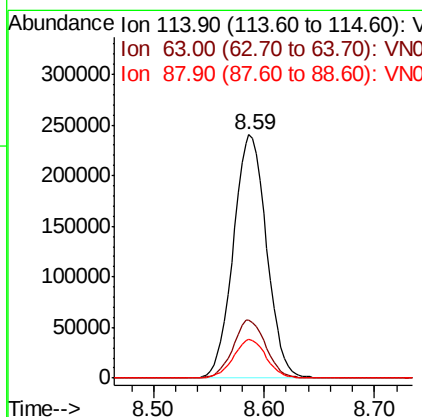
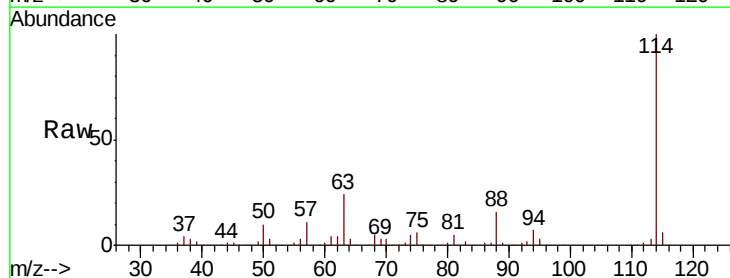
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

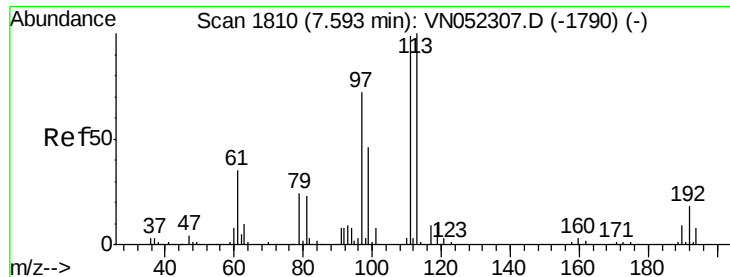
Tot Ion: 65 Resp: 214877
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Tgt Ion: 114 Resp: 501156
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.4
 88 15.9 0.0 31.2

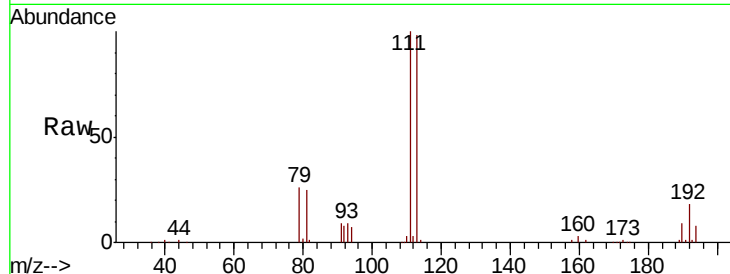




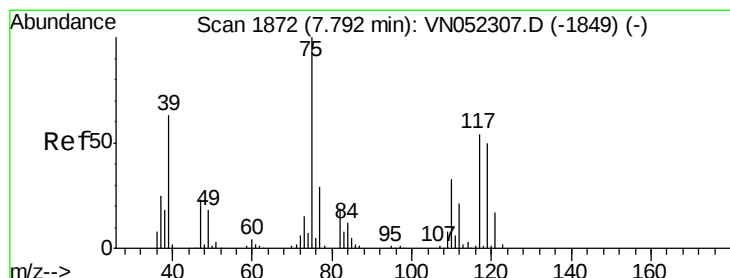
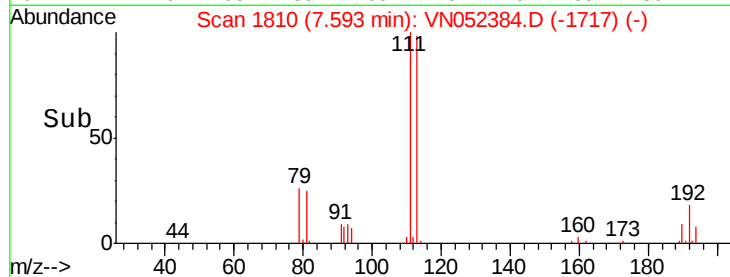
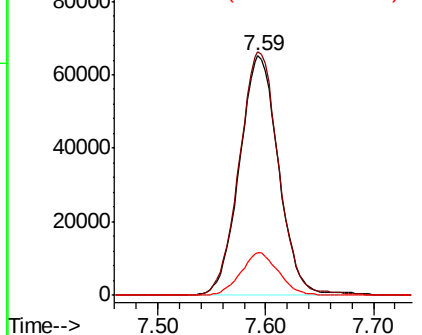
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.6
192	17.3	13.8	20.6

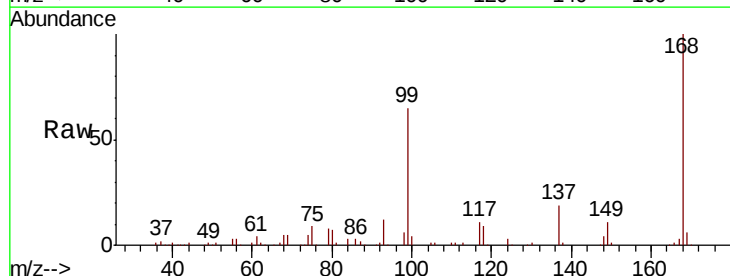


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

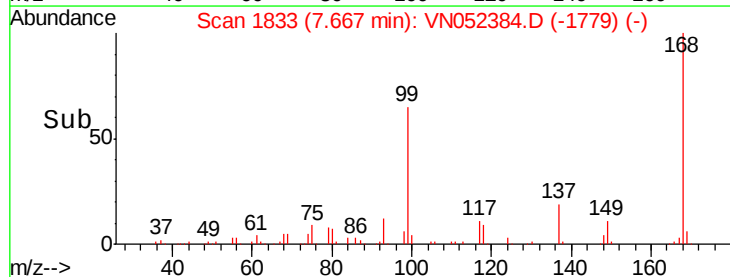
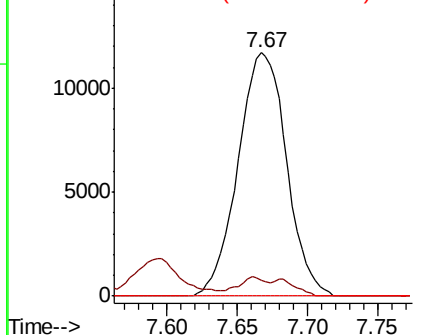


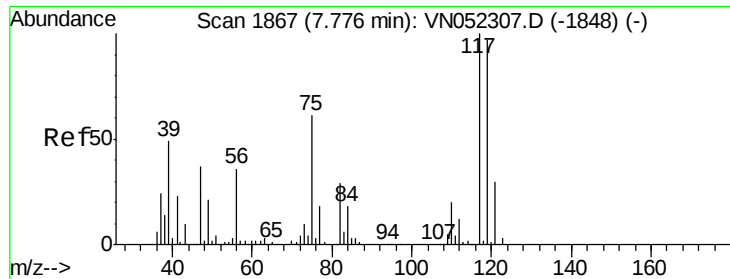
#36
 1,1-Dichloropropene
 Concen: 5.589 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.8	16.5	49.5#
77	0.0	24.2	36.2#



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: 7.049 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

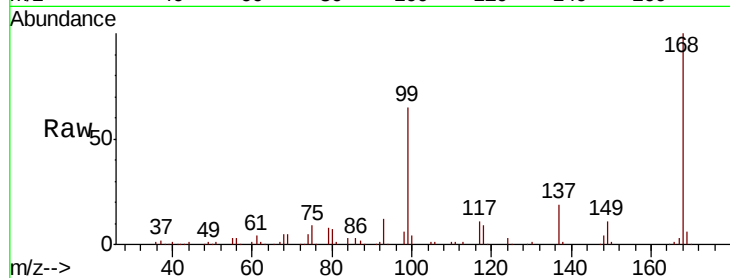
Tot Ion: 117 Resp: 32528

Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.0#

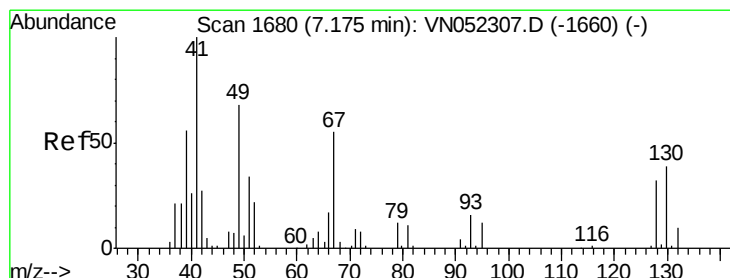
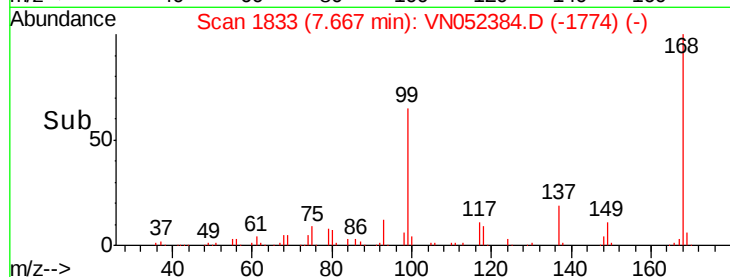
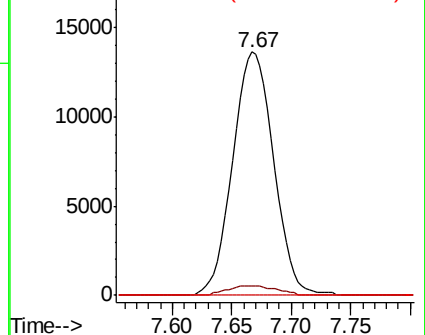
121 0.0 24.0 36.0#



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: 3.755 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.02 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Tgt Ion: 41 Resp: 131

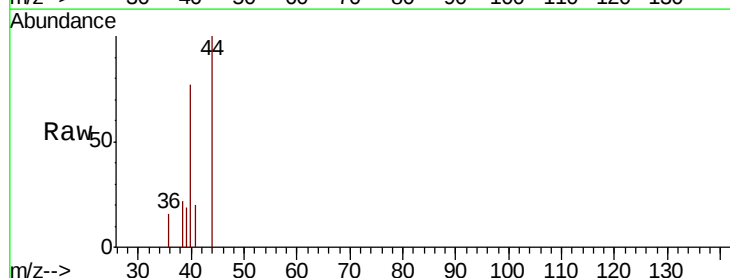
Ion Ratio Lower Upper

41 100

39 506.1 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

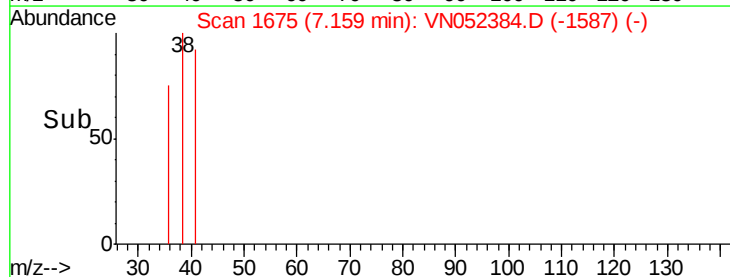
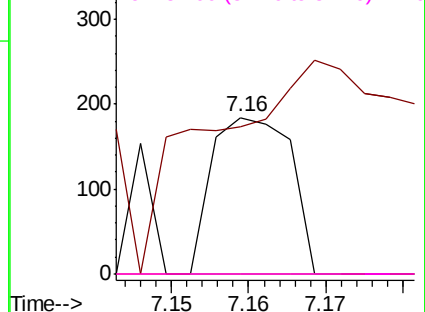


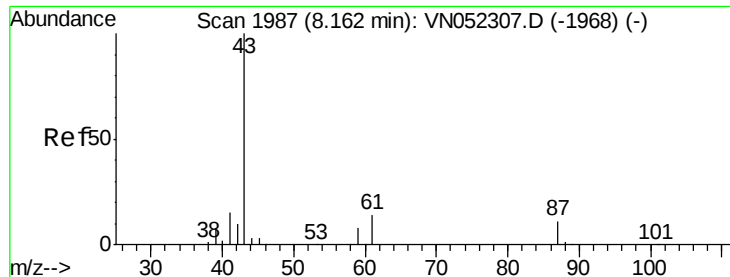
Abundance Ion 41.00 (40.70 to 41.70): V

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: 2.318 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

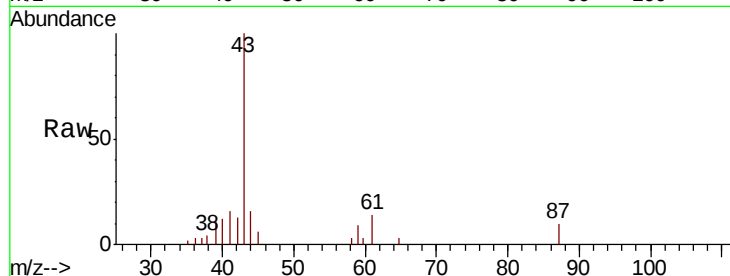
Tot Ion: 43 Resp: 16303

Ion Ratio Lower Upper

43 100

61 14.7 12.0 18.0

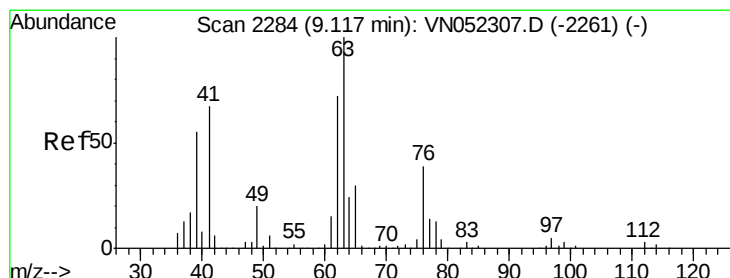
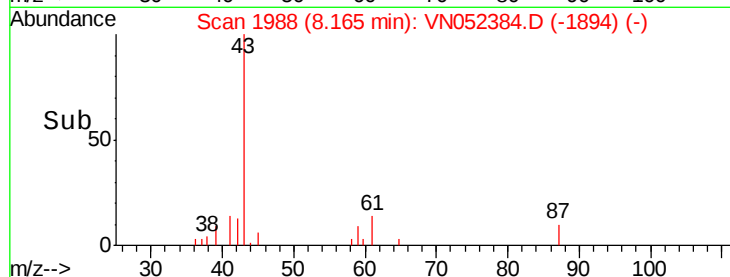
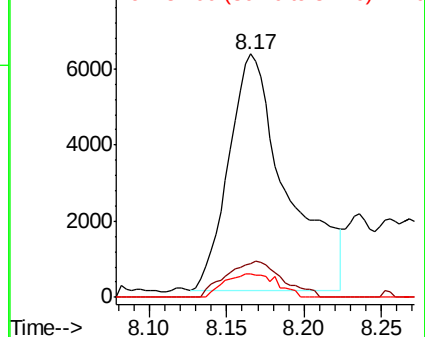
87 9.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#45

1,2-Dichloropropane

Concen: 0.236 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.16 min

Lab File: VN052384.D

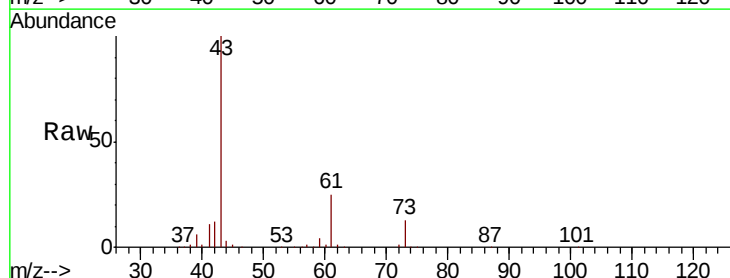
Acq: 19 Nov 2018 14:53

Tgt Ion: 63 Resp: 960

Ion Ratio Lower Upper

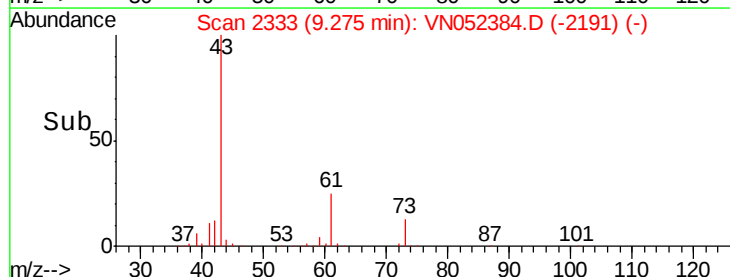
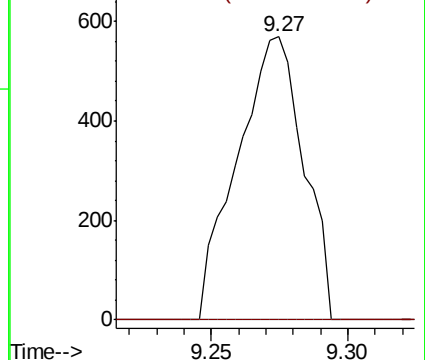
63 100

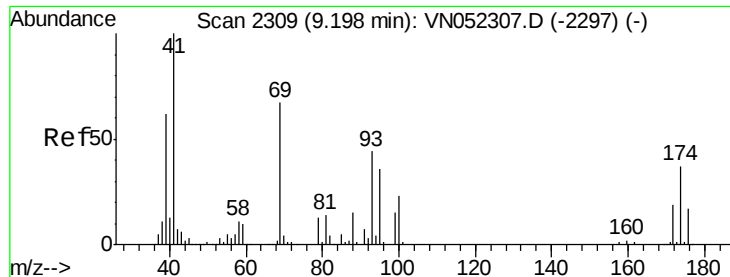
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN052384.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN052384.D (-2191) (-)

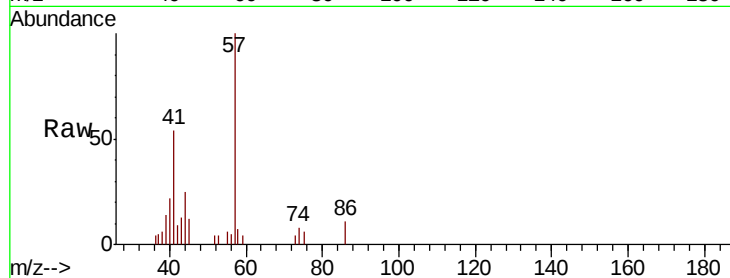




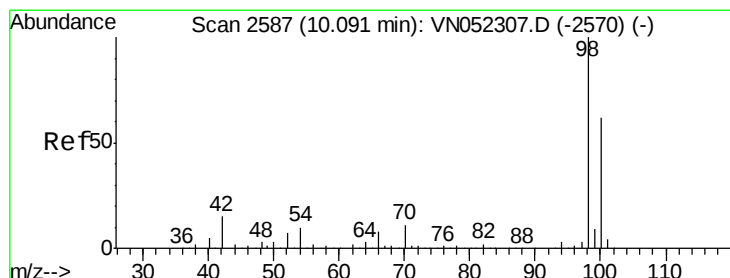
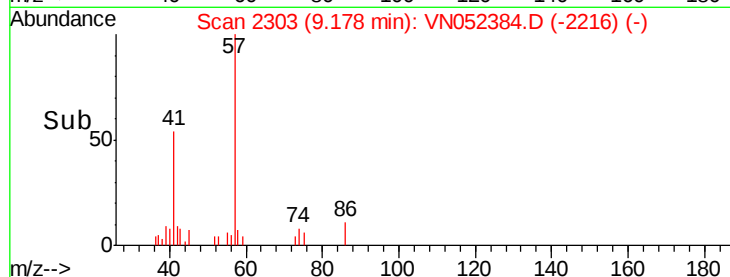
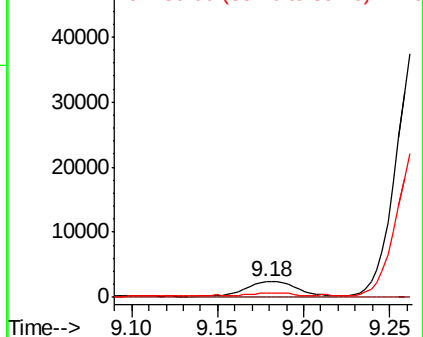
#48
Methvl methacrylate
Concen: 1.530 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
PB114846TB

Tot Ion: 41 Resp: 5462
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#

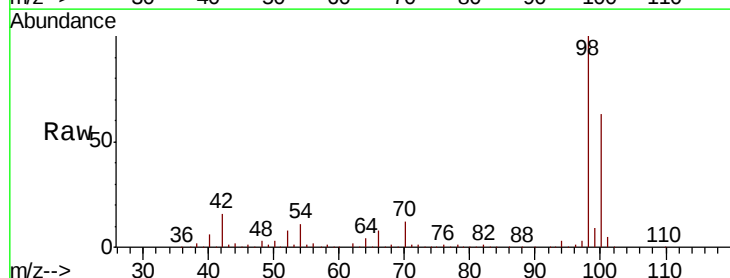


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

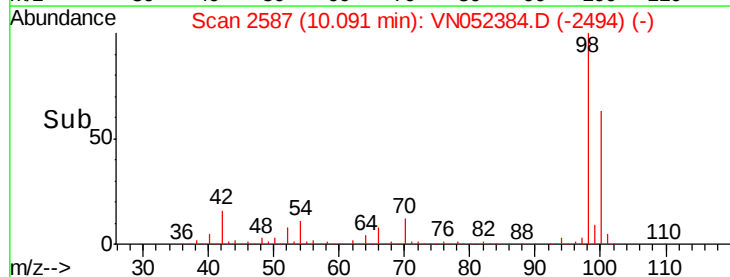
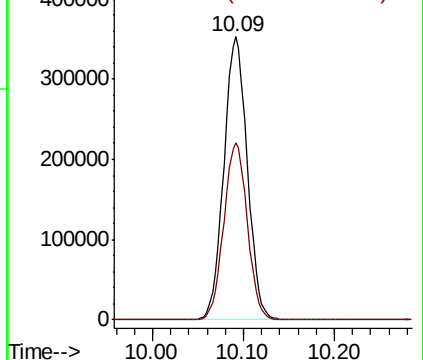


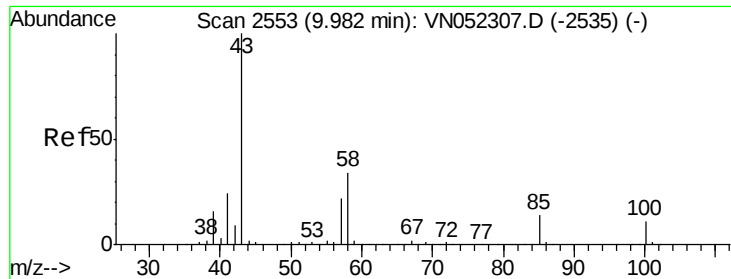
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

Tgt Ion: 98 Resp: 632647
Ion Ratio Lower Upper
98 100
100 62.7 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: 1.904 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

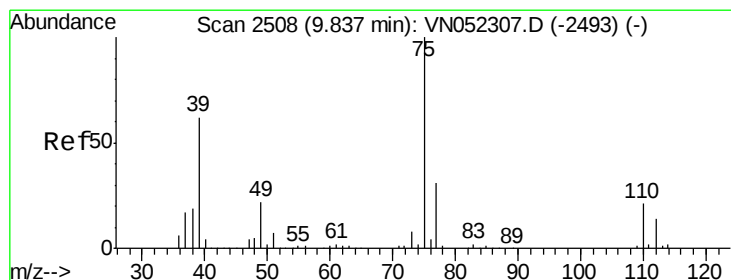
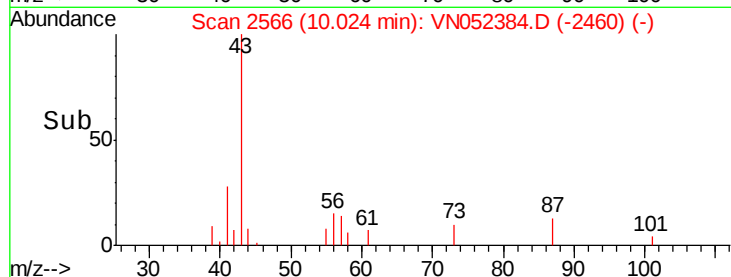
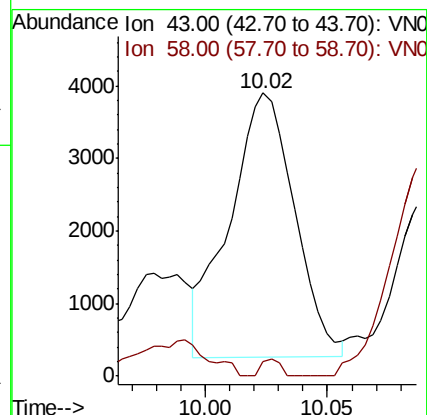
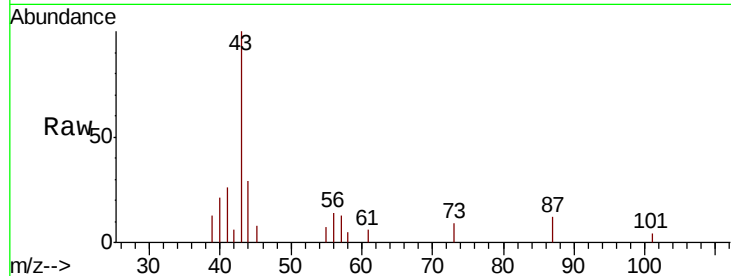
PB114846TB

Tot Ion: 43 Resp: 6741

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 5.594 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

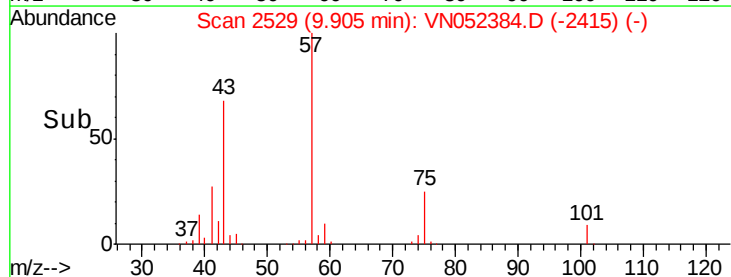
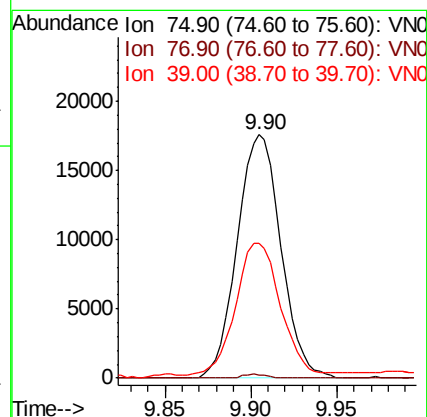
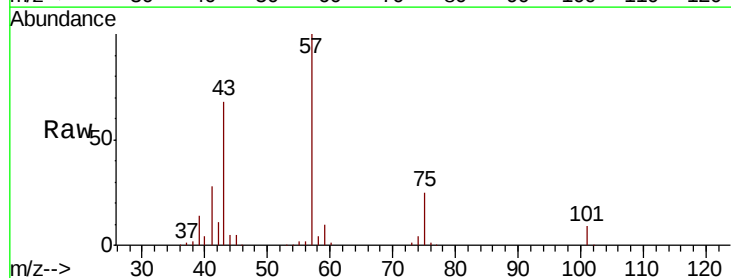
Tgt Ion: 75 Resp: 31113

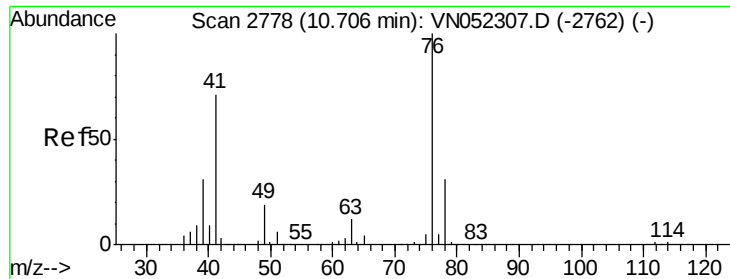
Ion Ratio Lower Upper

75 100

77 1.3 24.6 36.8#

39 54.0 49.9 74.9





#57

1,3-Dichloropropane

Concen: 1.124 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

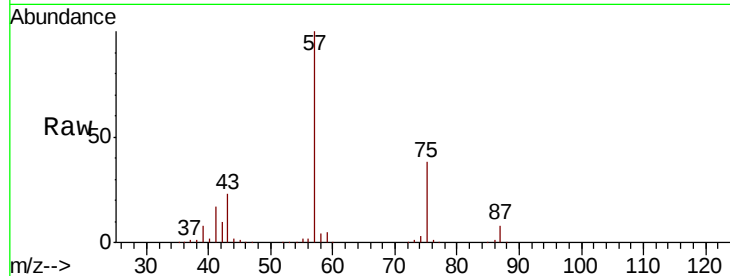
PB114846TB

Tot Ion: 76 Resp: 6198

Ion Ratio Lower Upper

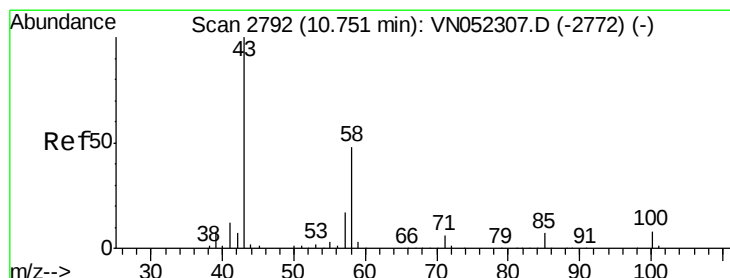
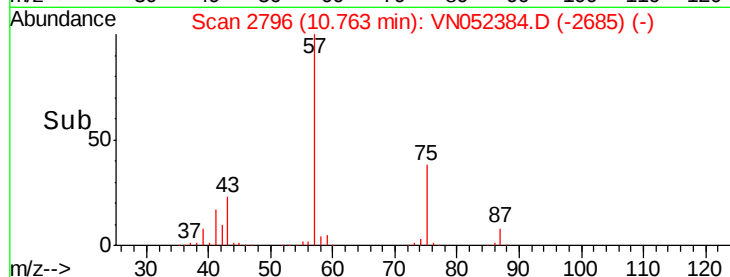
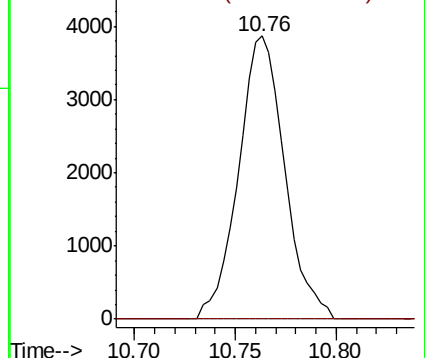
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#59

2-Hexanone

Concen: 45.535 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052384.D

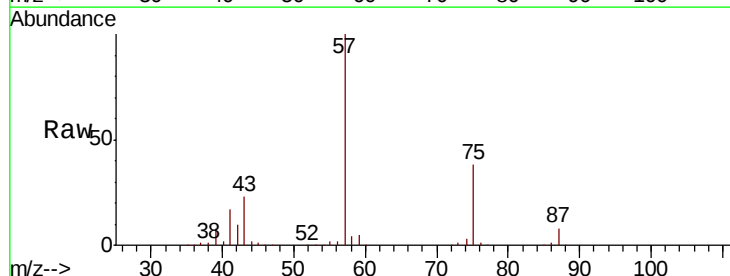
Acq: 19 Nov 2018 14:53

Tgt Ion: 43 Resp: 110905

Ion Ratio Lower Upper

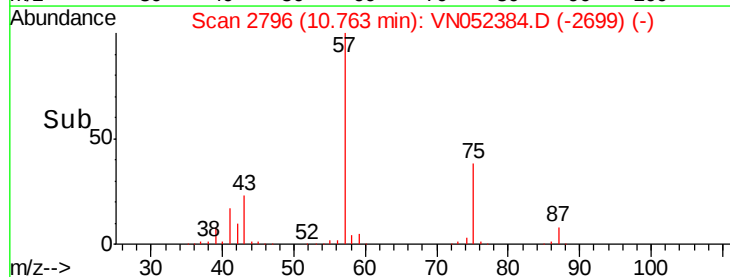
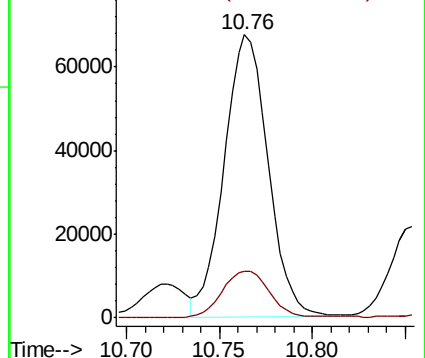
43 100

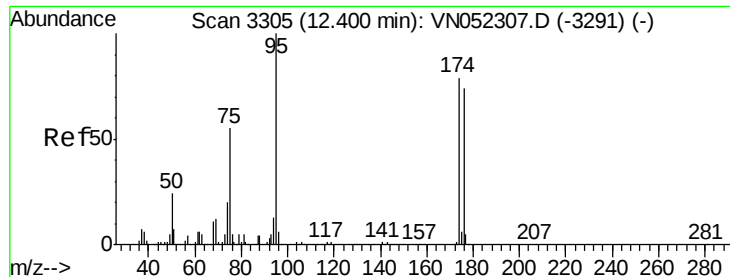
58 18.5 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

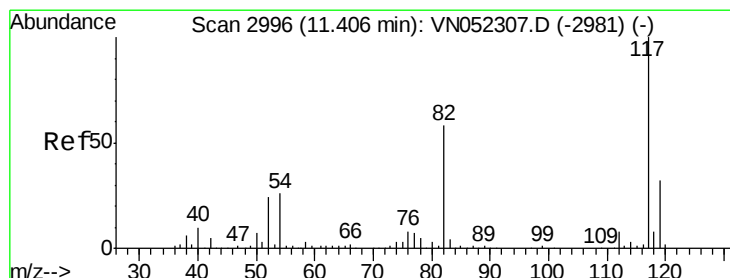
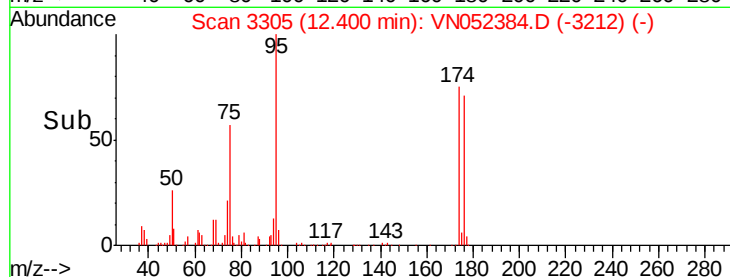
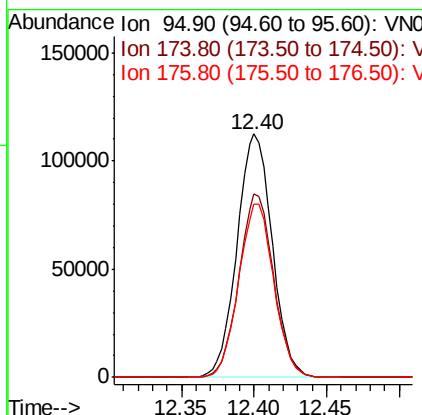
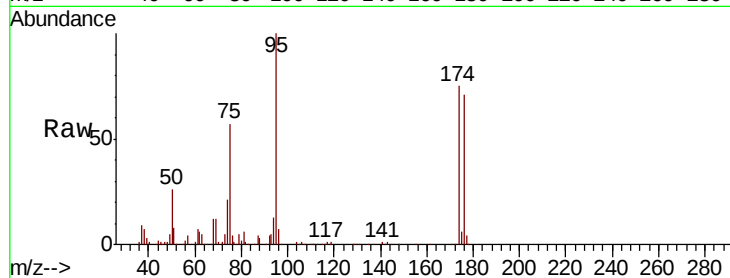




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

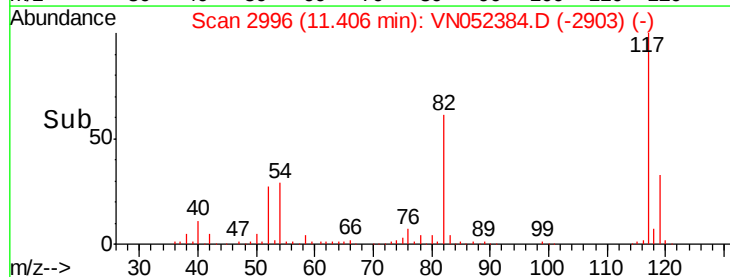
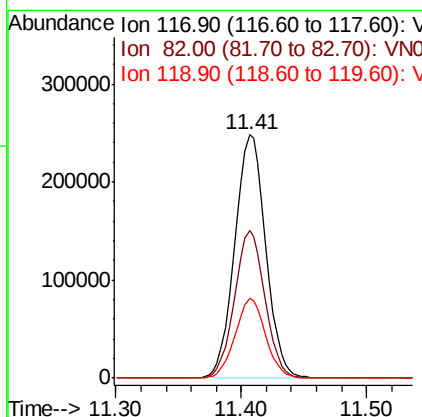
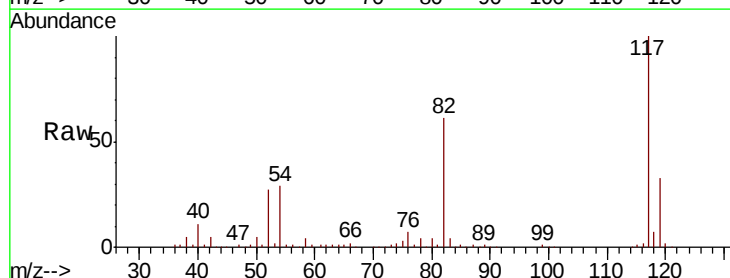
Instrument :
MSVOA_N
ClientSampled :
PB114846TB

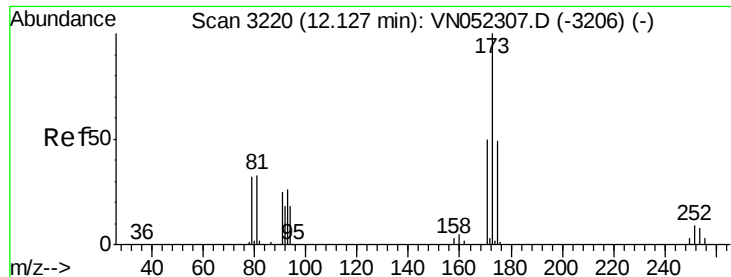
Tot Ion: 95 Resp: 189544
Ion Ratio Lower Upper
95 100
174 74.1 0.0 156.0
176 71.2 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052384.D
Acq: 19 Nov 2018 14:53

Tgt Ion: 117 Resp: 425315
Ion Ratio Lower Upper
117 100
82 60.7 46.5 69.7
119 32.6 25.7 38.5





#71

Bromoform

Concen: 0.275 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

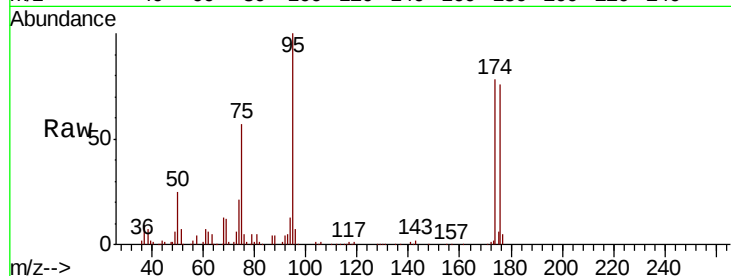
Tot Ion:173 Resp: 497

Ion Ratio Lower Upper

173 100

175 1969.0 25.0 75.0#

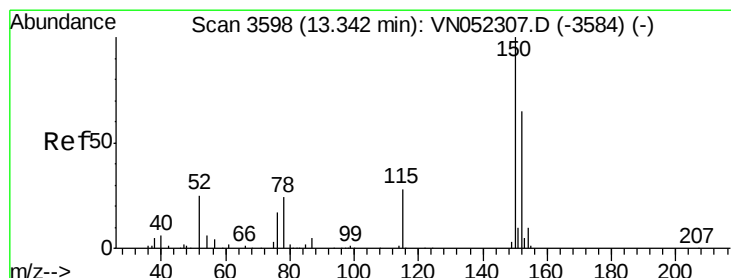
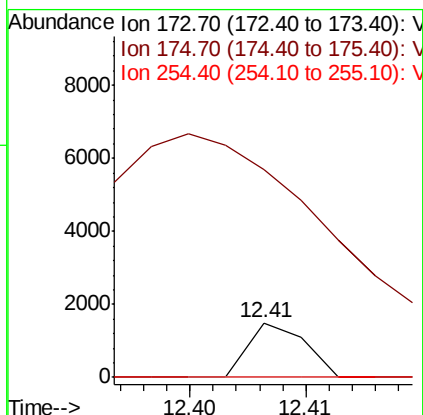
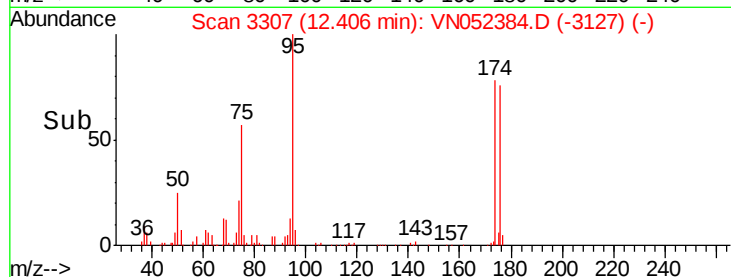
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

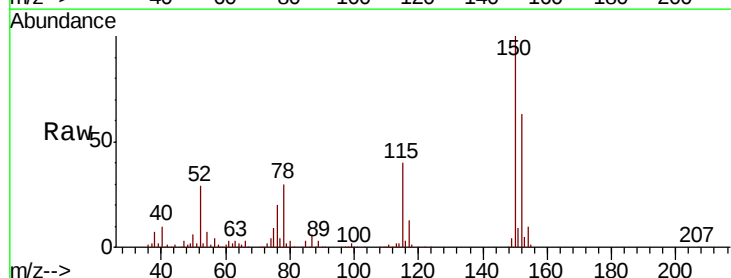
Tgt Ion:152 Resp: 146358

Ion Ratio Lower Upper

152 100

115 62.2 30.3 91.0

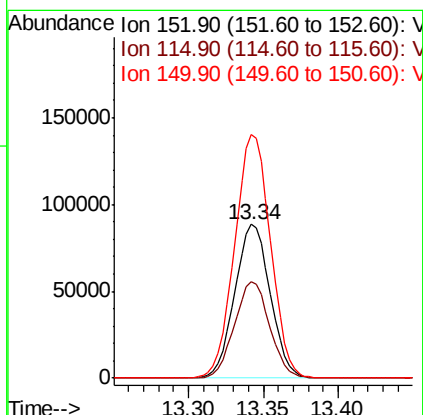
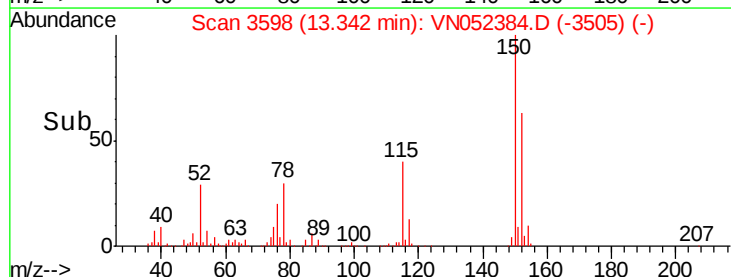
150 159.7 0.0 348.2

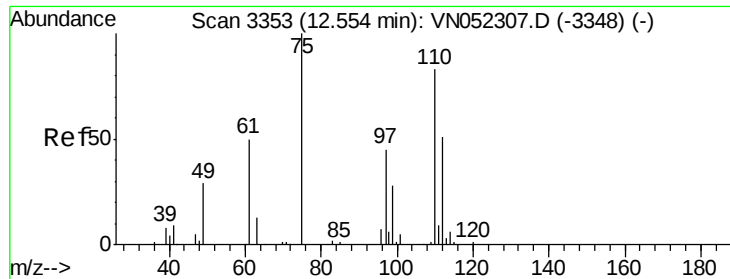


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

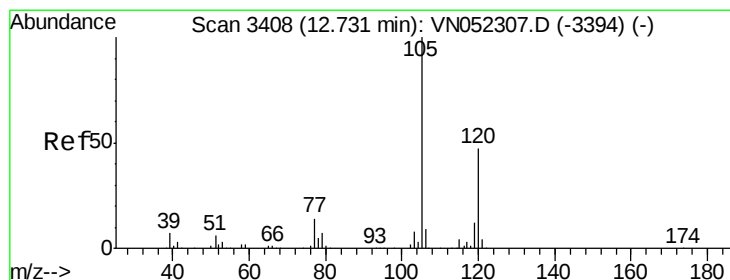
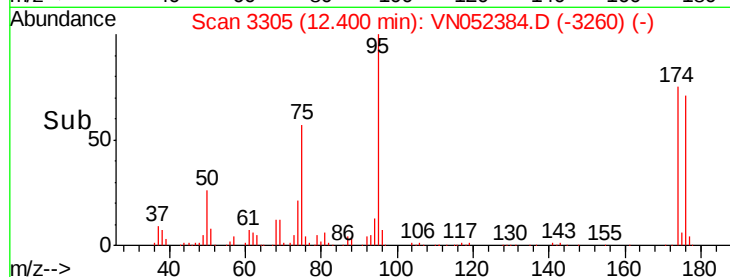
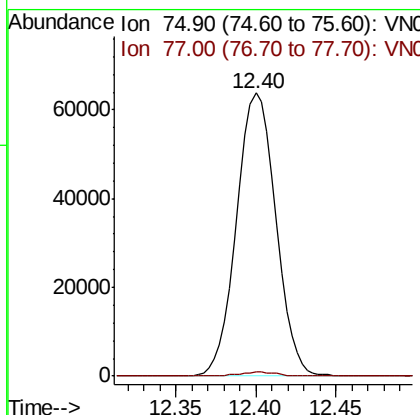
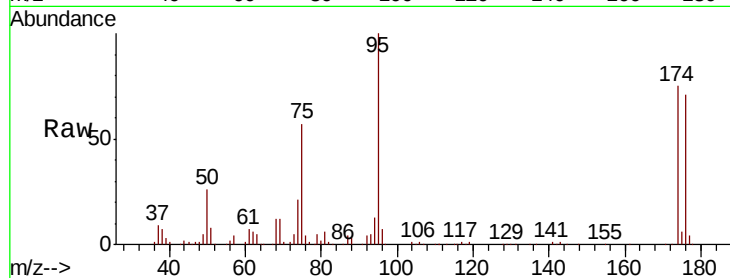




#76
 1,2,3-Trichloropropane
 Concen: 43.005 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

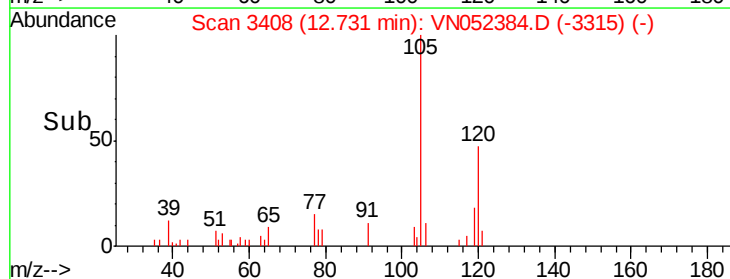
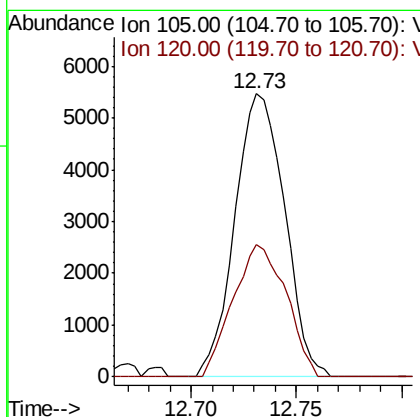
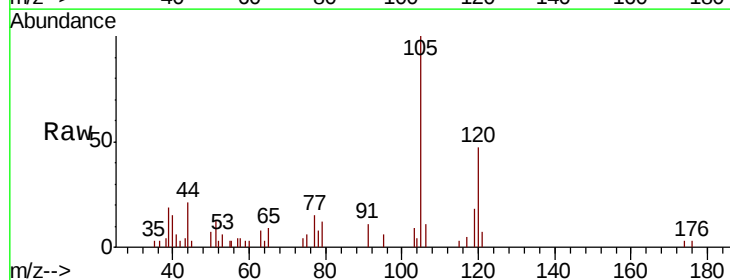
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

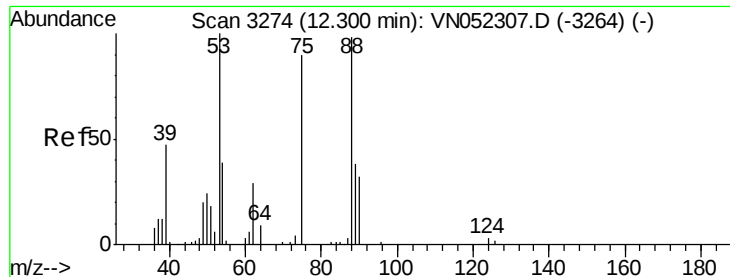
Tot Ion: 75 Resp: 106799
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.958 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Tgt Ion: 105 Resp: 8960
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 139.481 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

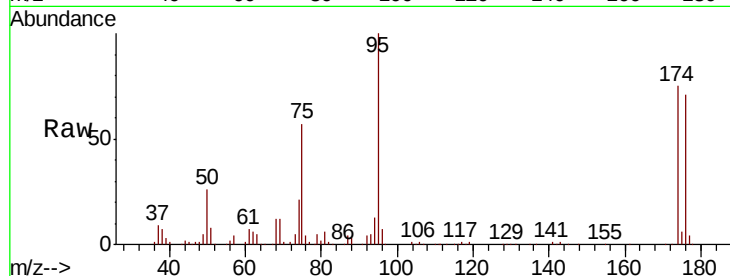
Tot Ion: 75 Resp: 106799

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

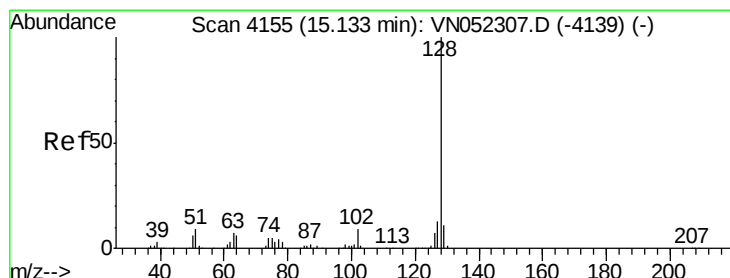
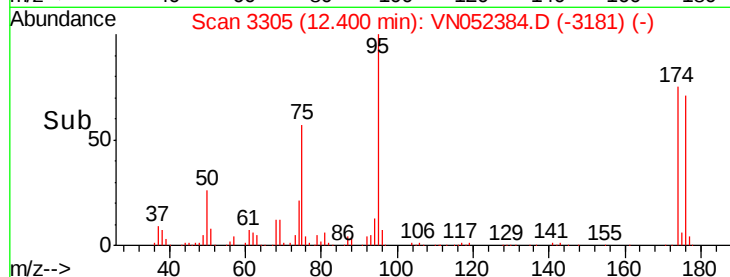
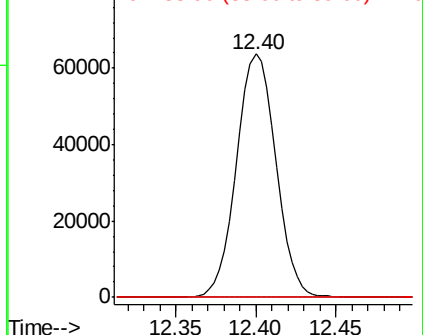
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#95

Naphthalene

Concen: 2.675 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

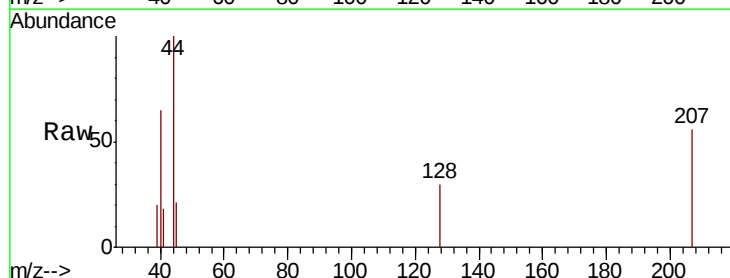
Tgt Ion:128 Resp: 387

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): VN052307.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

