

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052133.D
 Acq On : 2 Nov 2018 17:04
 Operator : MD\SY
 Sample : J5741-50
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Nov 02 23:14:56 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	273145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	506931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189173	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	238353	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.60	113	192464	60.69	ug/l	0.00
Spiked Amount			Recovery	=	121.38%	
50) Toluene-d8	10.09	98	772025	60.91	ug/l	0.00
Spiked Amount			Recovery	=	121.82%	
62) 4-Bromofluorobenzene	12.40	95	258604	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

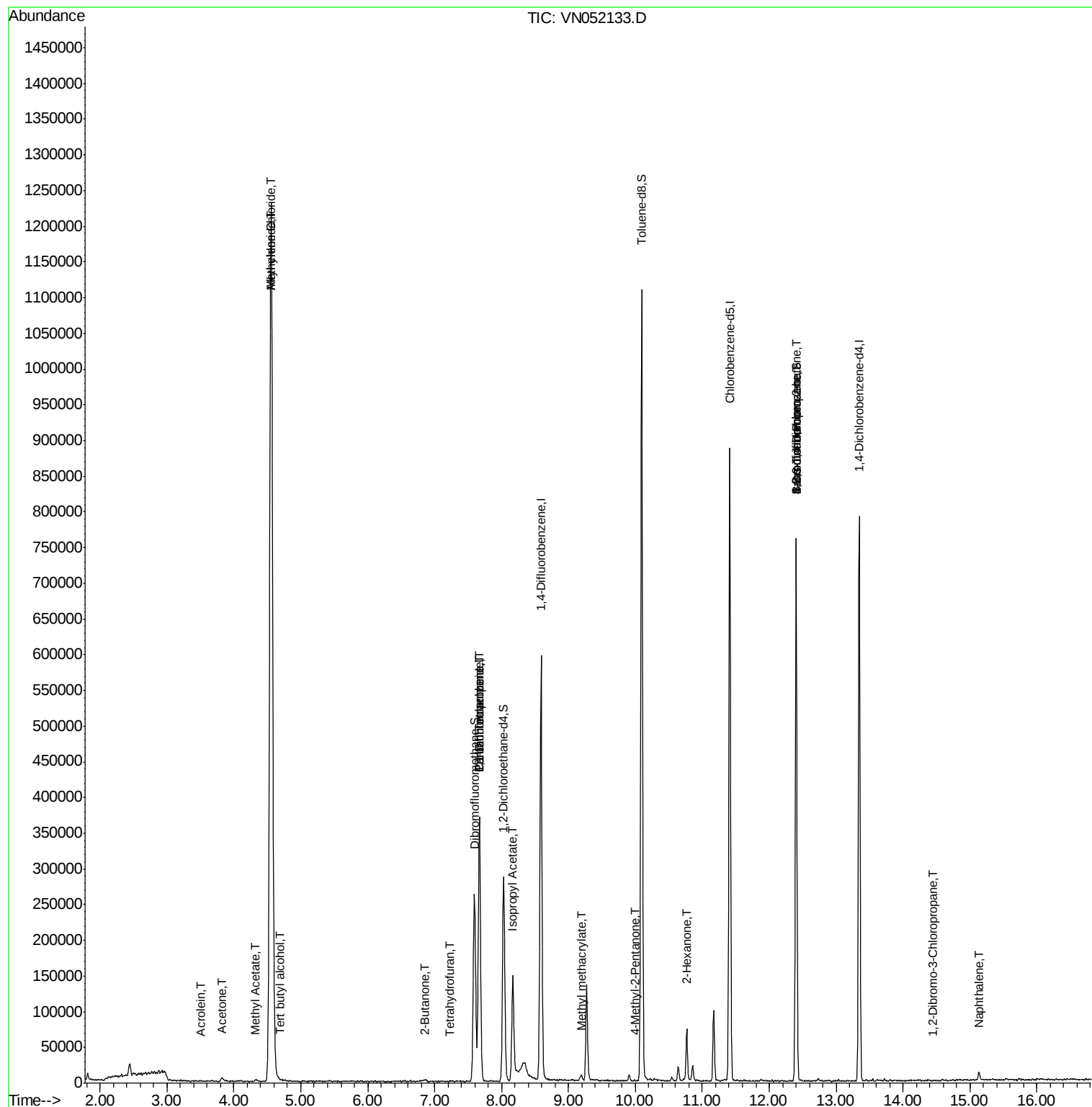
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	146	0.665	ug/l #	76
13) Acrolein	3.50	56	64	24.300	ug/l #	12
14) Allyl chloride	4.56	41	35693	6.224	ug/l #	24
16) Acetone	3.82	43	9220	9.855	ug/l	94
18) Methyl Acetate	4.32	43	1367	0.459	ug/l #	82
20) Methylene Chloride	4.56	84	909175	255.026	ug/l	97
25) 2-Butanone	6.85	43	362	0.247	ug/l #	58
29) Tetrahydrofuran	7.21	42	259	0.265	ug/l #	58
31) Cyclohexane	7.67	56	7855	Below Cal	#	5
36) 1,1-Dichloropropene	7.67	75	23028	4.468	ug/l #	53
38) Carbon Tetrachloride	7.67	117	29106	6.549	ug/l #	18
43) Isopropyl Acetate	8.17	43	182531	29.746	ug/l	97
48) Methyl methacrylate	9.18	41	5695	1.831	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	705	0.211	ug/l #	38
59) 2-Hexanone	10.77	43	10714	4.508	ug/l #	58
71) Bromoform	12.40	173	922	2.606	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	136718	39.481	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136718	131.043	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.43	75	69	1.040	ug/l #	11
95) Naphthalene	15.14	128	9270	1.710	ug/l	98

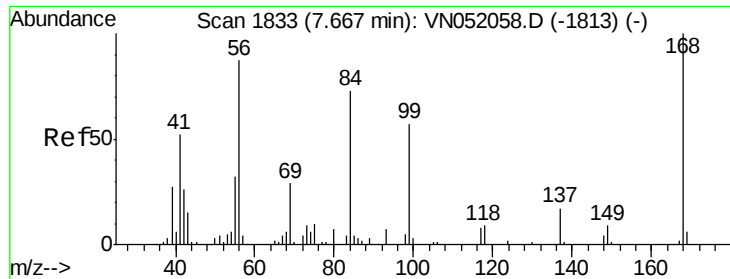
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052133.D

Acq: 2 Nov 2018 17:04

Instrument :

MSVOA_N

ClientSampled :

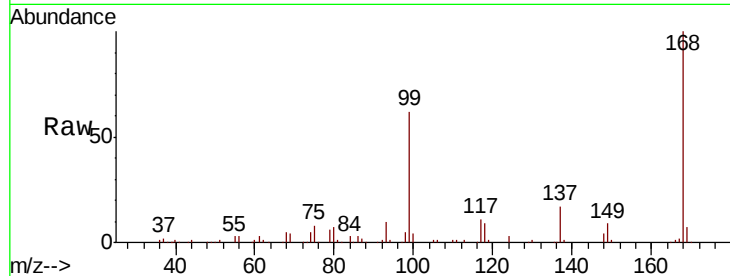
TP-12

Tot Ion:168 Resp: 273145

Ion Ratio Lower Upper

168 100

99 62.4 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

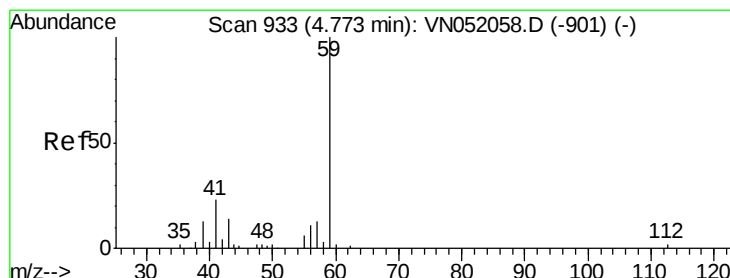
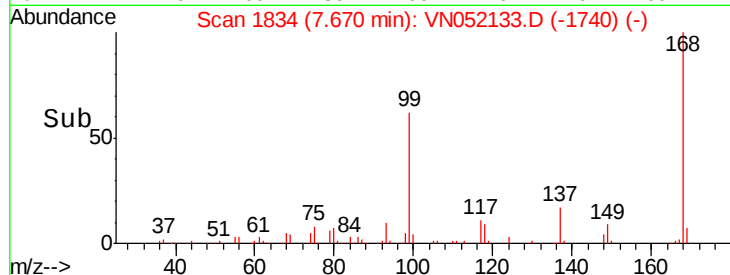
7.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.665 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.08 min

Lab File: VN052133.D

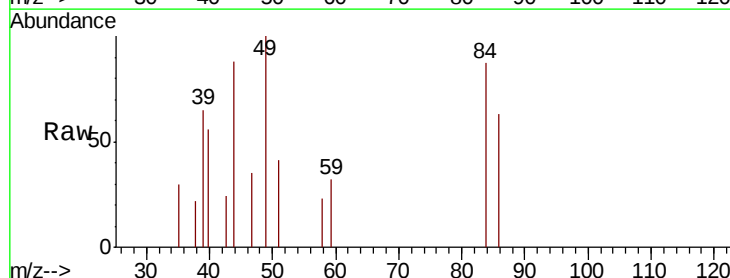
Acq: 2 Nov 2018 17:04

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

250

200

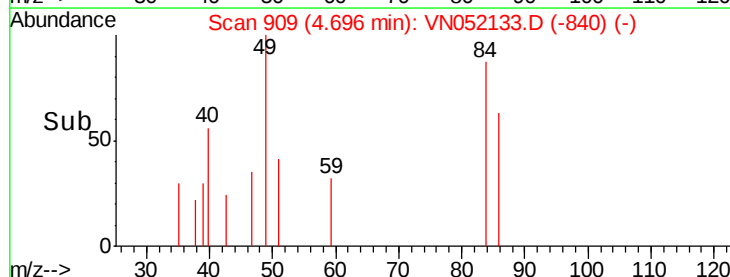
150

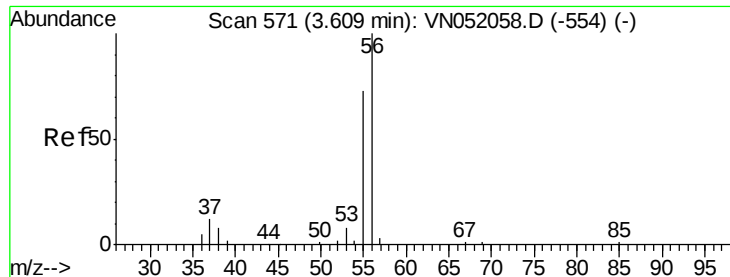
100

50

0

Time-->

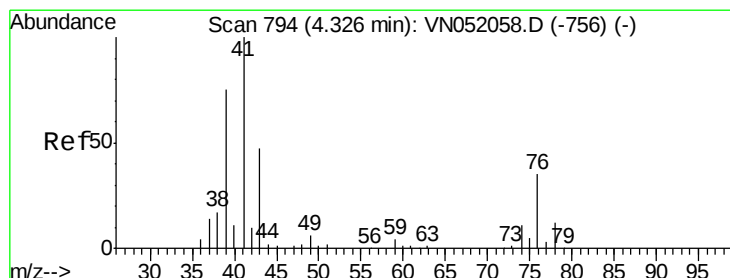
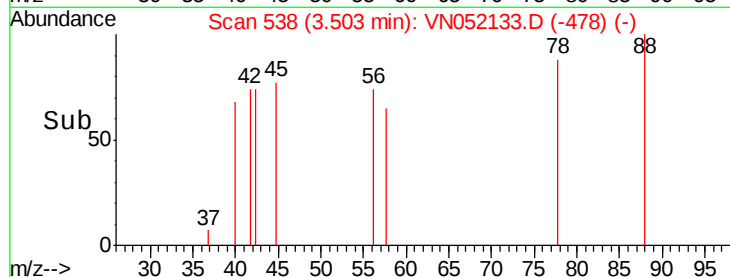
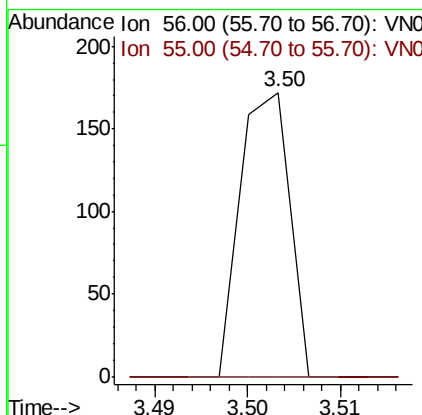
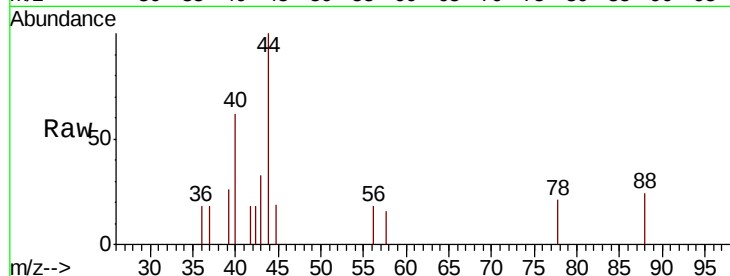




#13
Acrolein
Concen: 24.300 ug/l
RT: 3.50 min Scan# 538
Delta R.T. -0.11 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

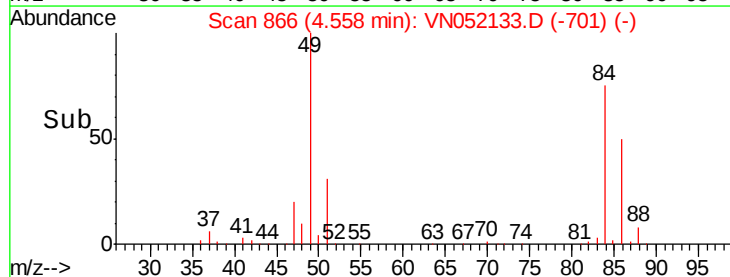
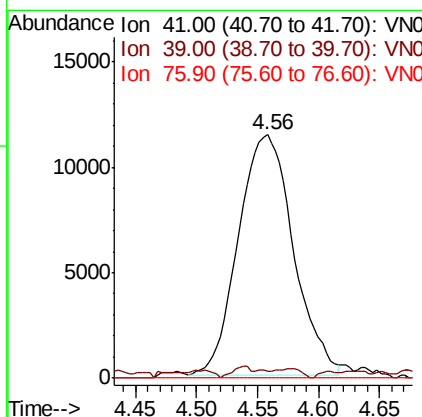
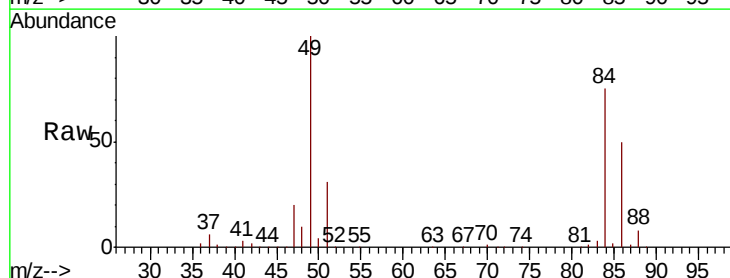
Instrument :
MSVOA_N
ClientSampleId :
TP-12

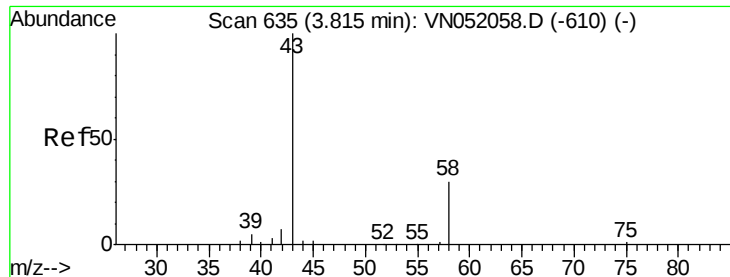
Tot Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 59.9 89.9#



#14
Allyl chloride
Concen: 6.224 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.23 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Tgt Ion: 41 Resp: 35693
Ion Ratio Lower Upper
41 100
39 1.8 58.1 87.1#
76 0.0 26.0 39.0#





#16

Acetone

Concen: 9.855 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

Instrument :

MSVOA_N

ClientSampled :

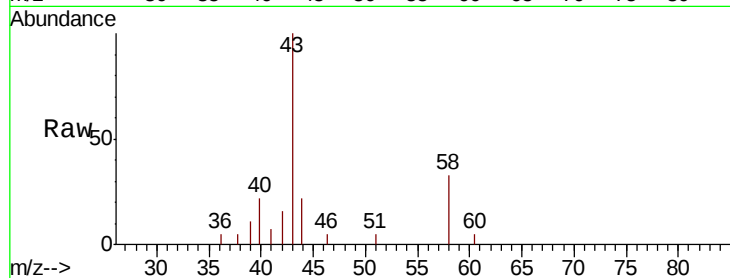
TP-12

Tot Ion: 43 Resp: 9220

Ion Ratio Lower Upper

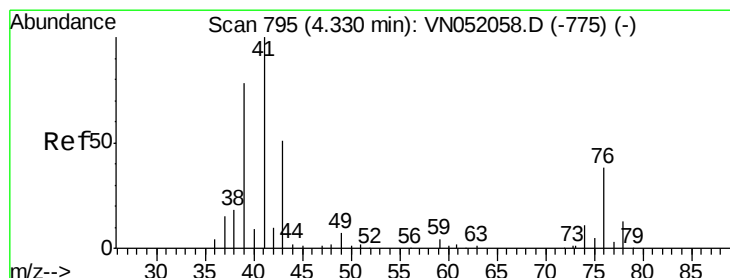
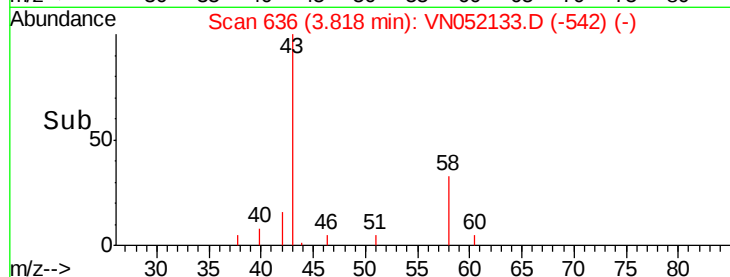
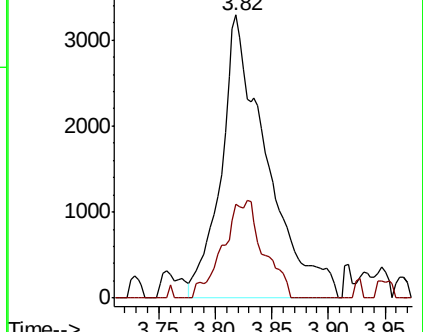
43 100

58 33.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052133.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052133.D (-542) (-)



#18

Methyl Acetate

Concen: 0.459 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052133.D

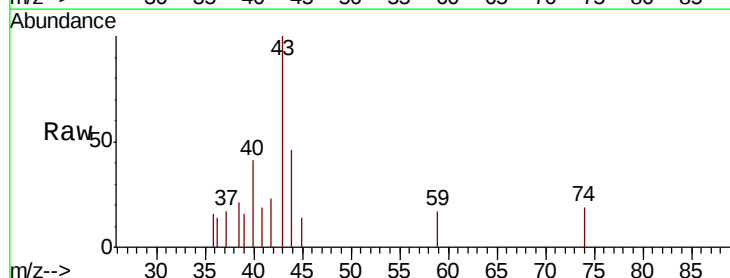
Acq: 2 Nov 2018 17:04

Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

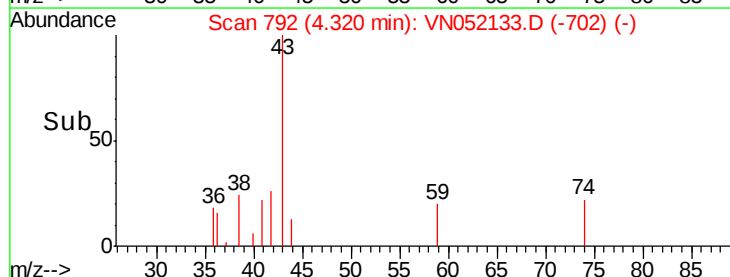
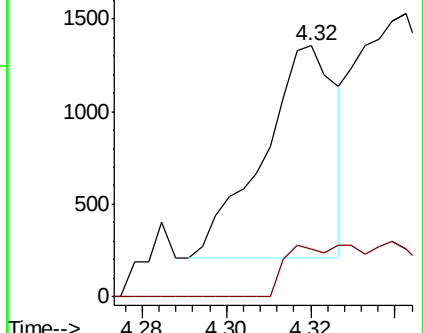
43 100

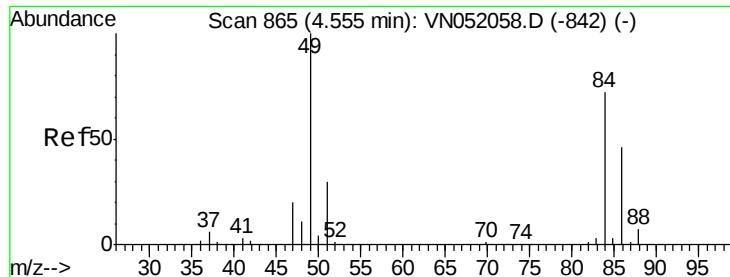
74 13.8 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN052133.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN052133.D (-702) (-)

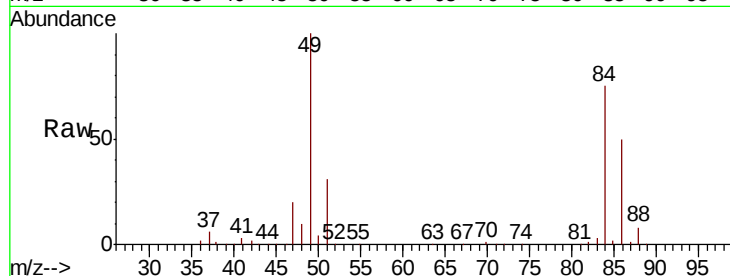




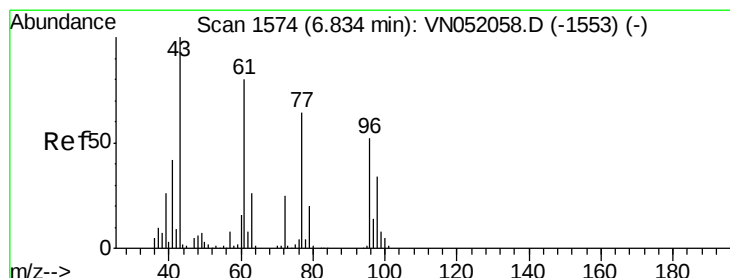
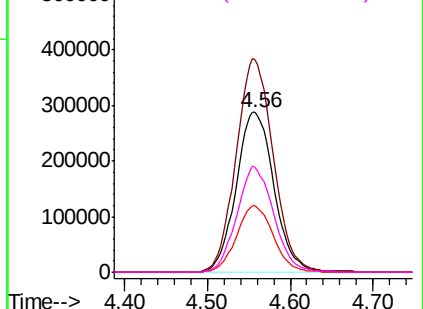
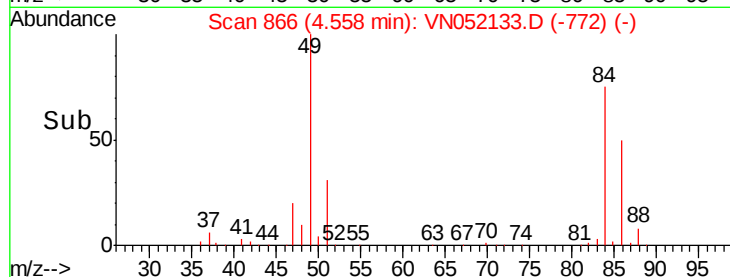
#20
Methvlene Chloride
Concen: 255.026 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Instrument :
MSVOA_N
ClientSampled :
TP-12

Tot Ion: 84 Resp: 909175
Ion Ratio Lower Upper
84 100
49 133.5 110.6 165.8
51 41.5 33.7 50.5
86 66.1 50.5 75.7

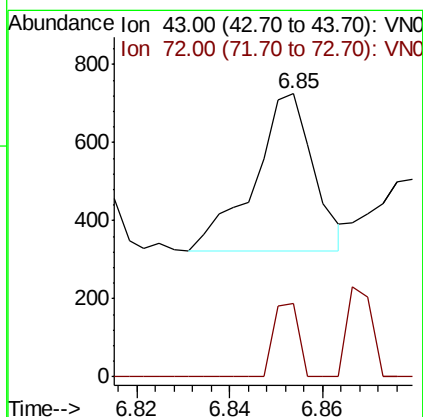
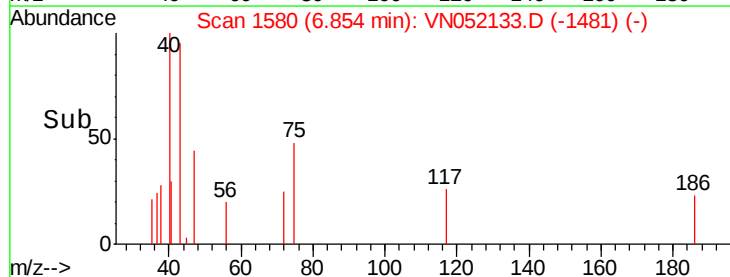
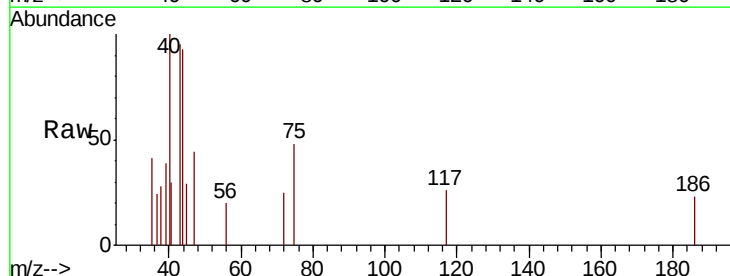


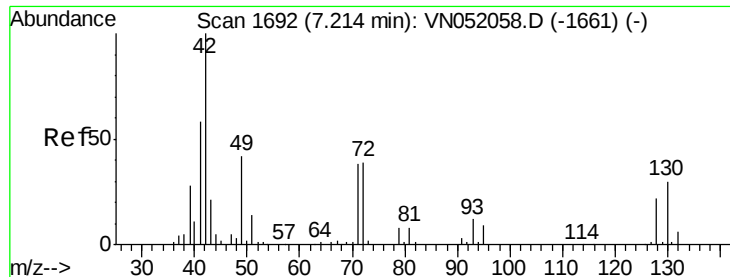
Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 0.247 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
72 46.5 20.2 30.2#

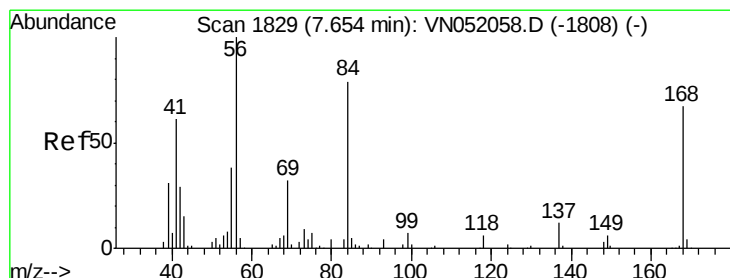
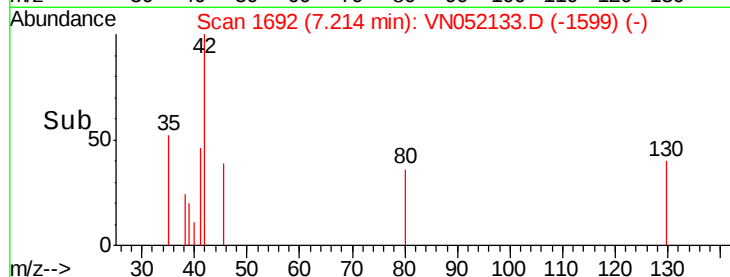
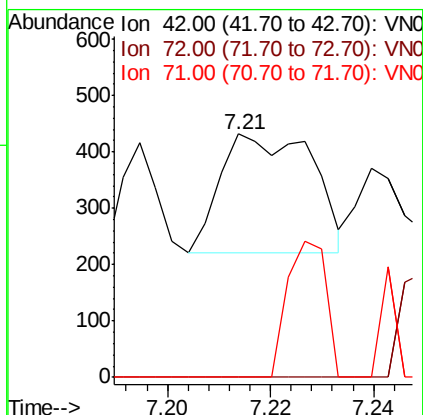
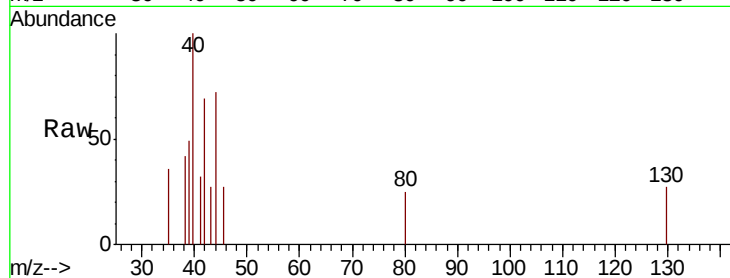




#29
Tetrahydrofuran
Concen: 0.265 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

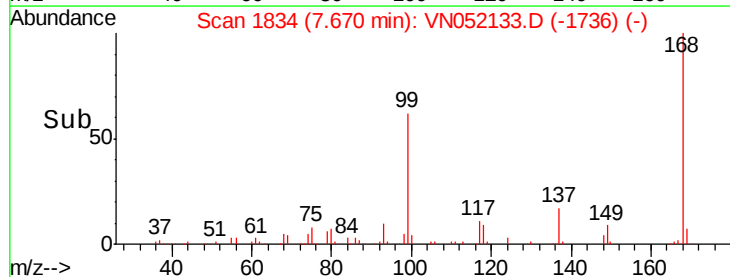
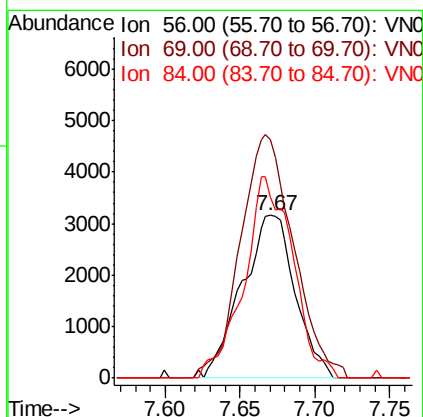
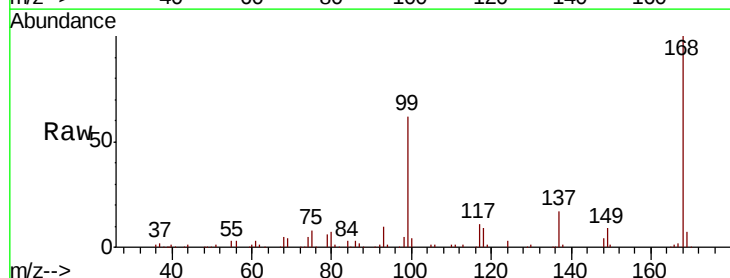
Instrument :
MSVOA_N
ClientSampled :
TP-12

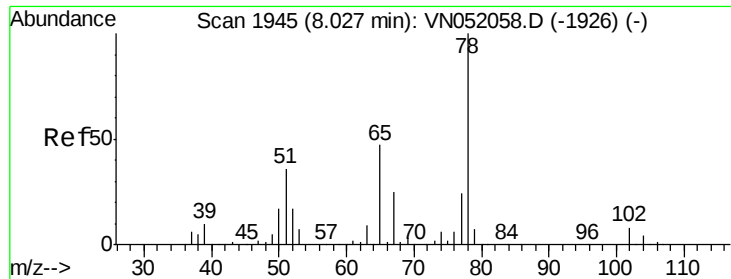
Tot Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 48.3 30.6 46.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Tgt Ion: 56 Resp: 7855
Ion Ratio Lower Upper
56 100
69 146.8 25.8 38.6#
84 123.4 63.5 95.3#

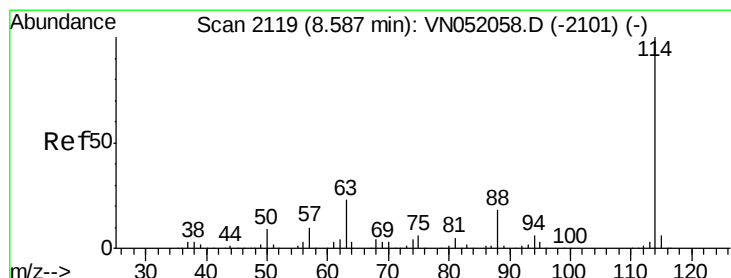
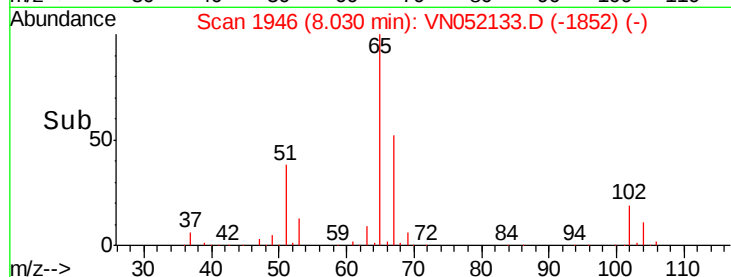
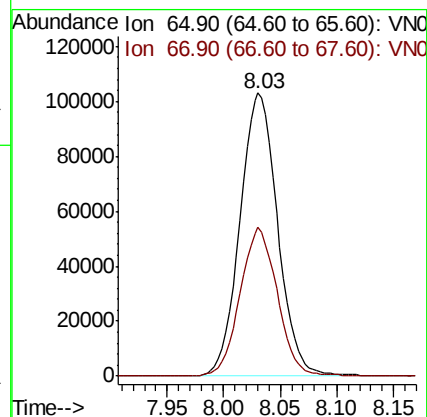
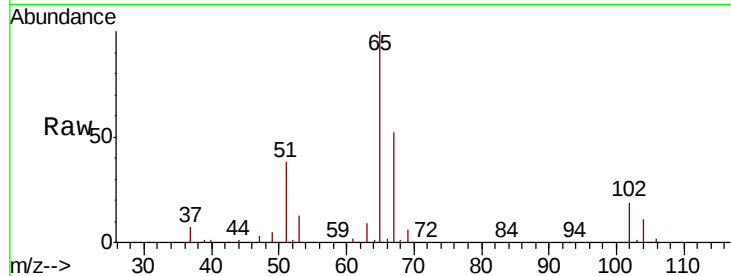




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

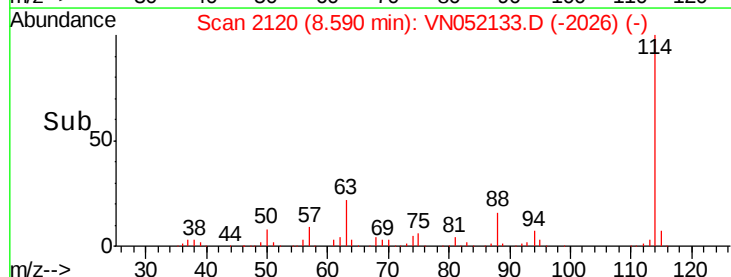
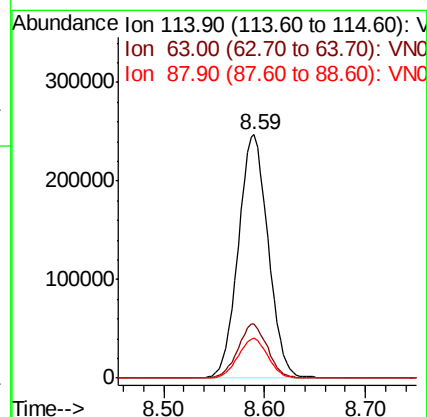
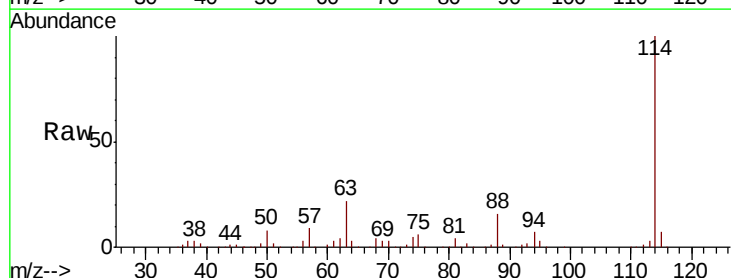
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 TP-12

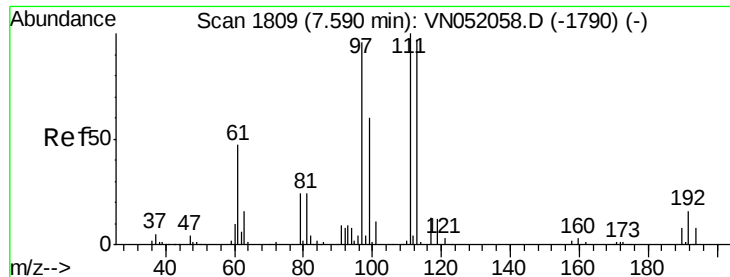
Tot Ion: 65 Resp: 238353
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

Tgt Ion: 114 Resp: 506931
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 46.0
 88 16.2 0.0 35.4

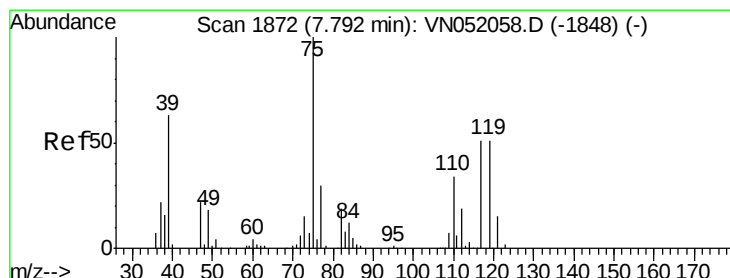
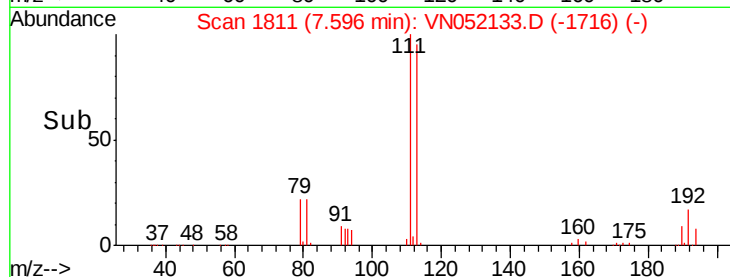
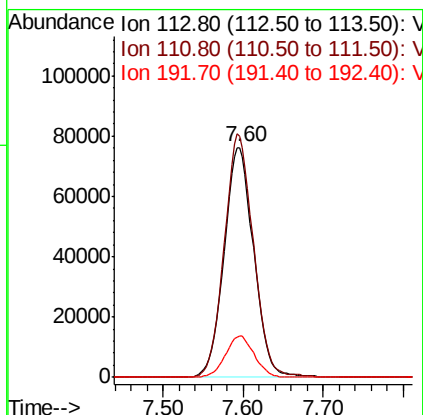
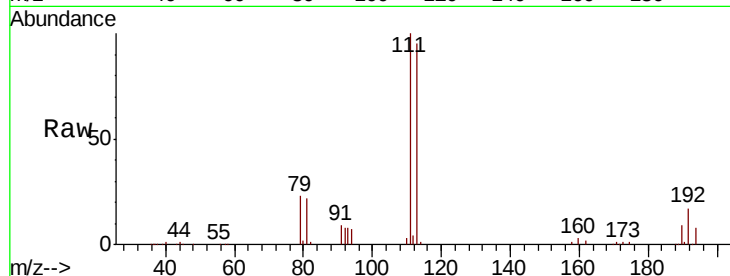




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

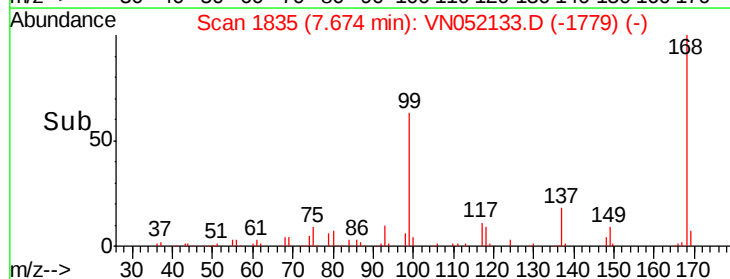
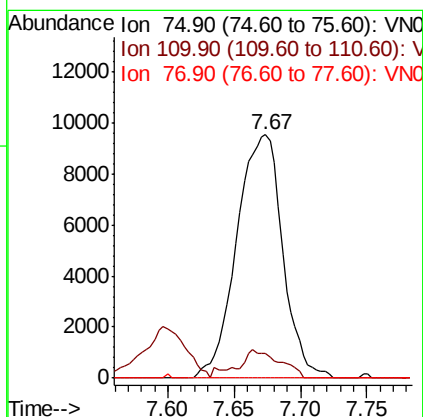
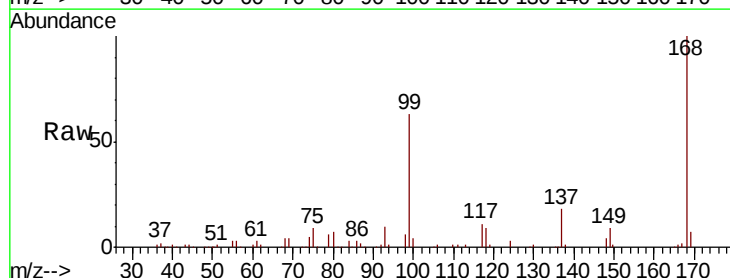
Instrument :
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 ClientSampled :
 TP-12

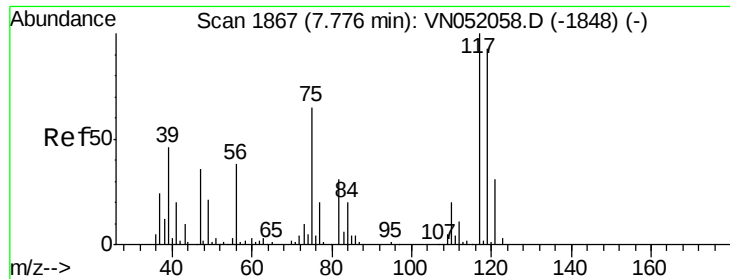
Tot Ion:113 Resp: 192464
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.1 124.7
 192 17.4 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.67 min Scan# 1835
 Delta R.T. -0.12 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

Tgt Ion: 75 Resp: 23028
 Ion Ratio Lower Upper
 75 100
 110 10.6 16.0 48.0#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.549 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

TP-12

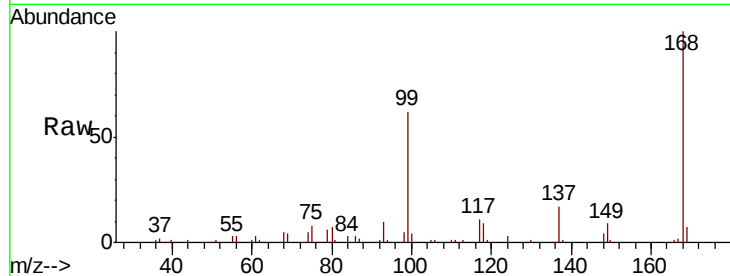
Tot Ion:117 Resp: 29106

Ion Ratio Lower Upper

117 100

119 6.9 74.8 112.2#

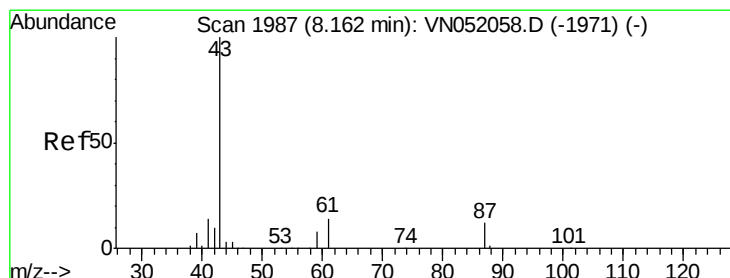
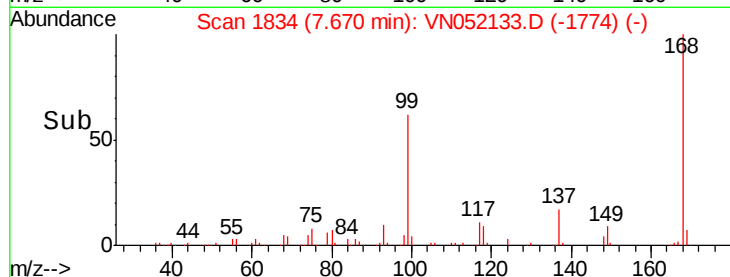
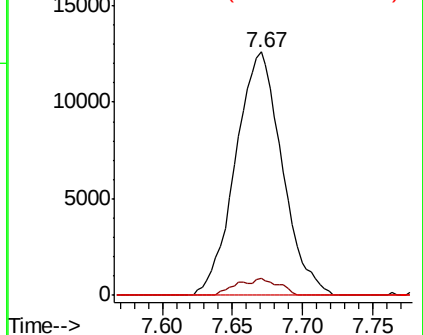
121 0.0 25.1 37.7#



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



#43

Isopropyl Acetate

Concen: 29.746 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

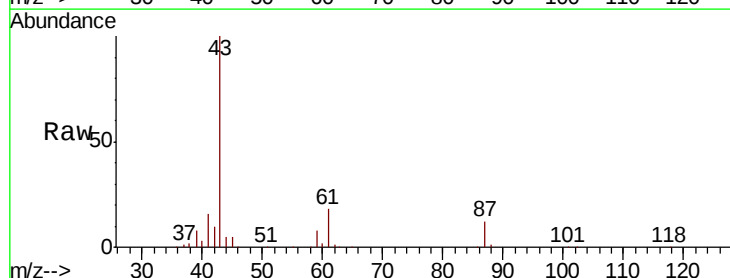
Tgt Ion: 43 Resp: 182531

Ion Ratio Lower Upper

43 100

61 17.4 15.4 23.0

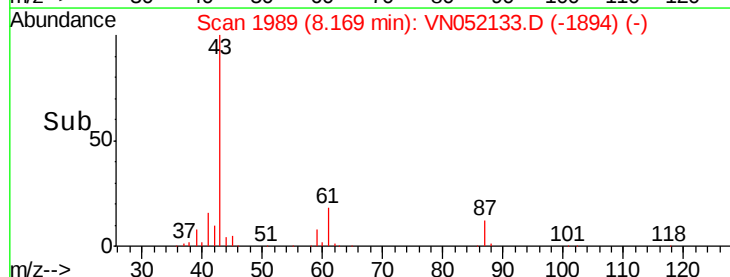
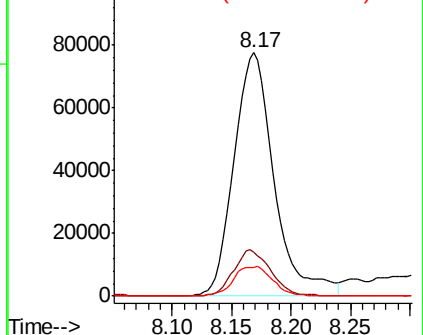
87 11.8 9.8 14.8

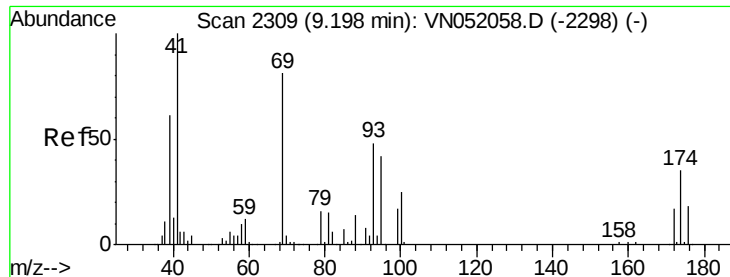


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

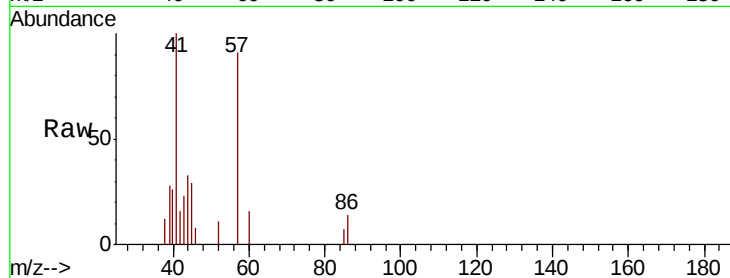




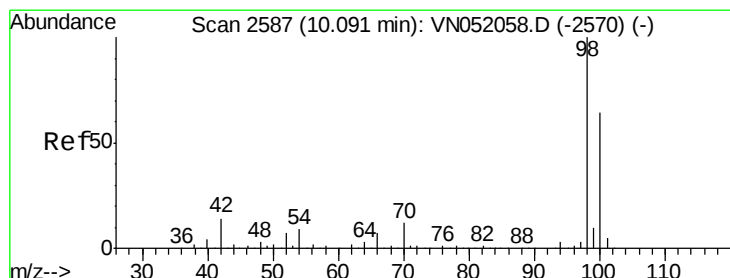
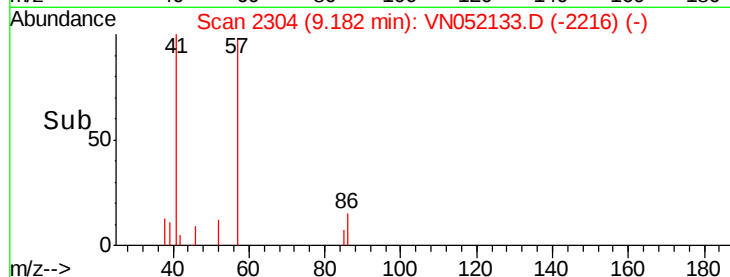
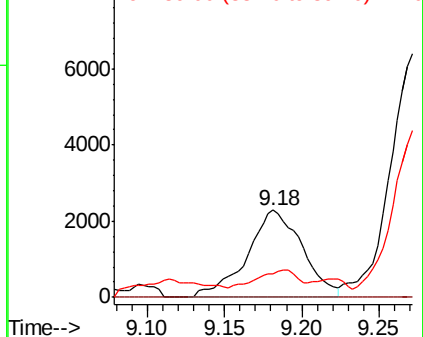
#48
Methyl methacrylate
Concen: 1.831 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Instrument :
MSVOA_N
ClientSampled :
TP-12

Tot Ion: 41 Resp: 5695
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 13.7 50.5 75.7#

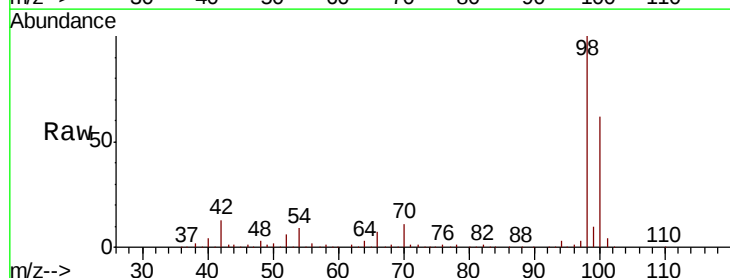


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

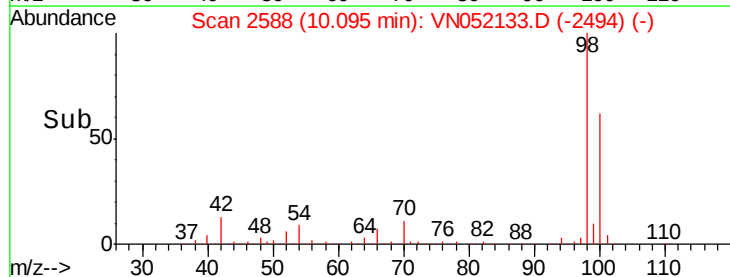
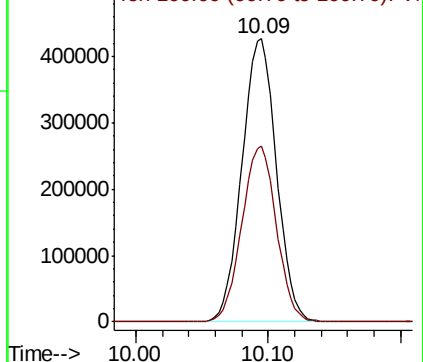


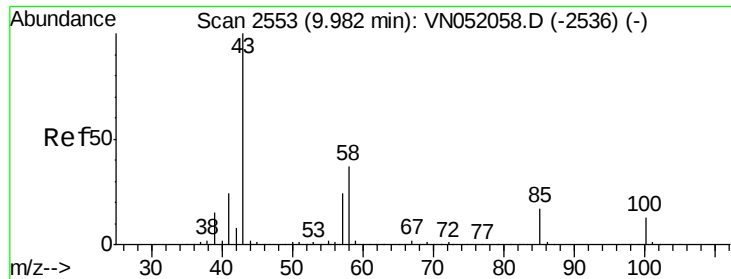
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Tgt Ion: 98 Resp: 772025
Ion Ratio Lower Upper
98 100
100 62.3 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: 0.211 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

Instrument :

MSVOA_N

ClientSampled :

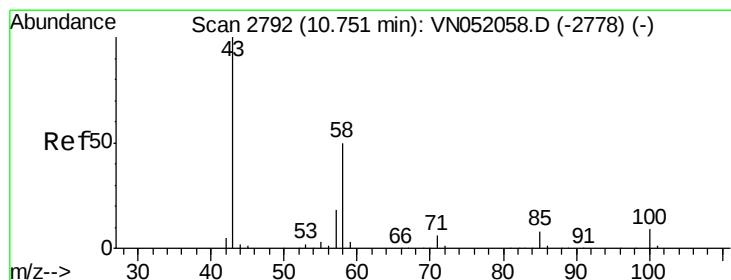
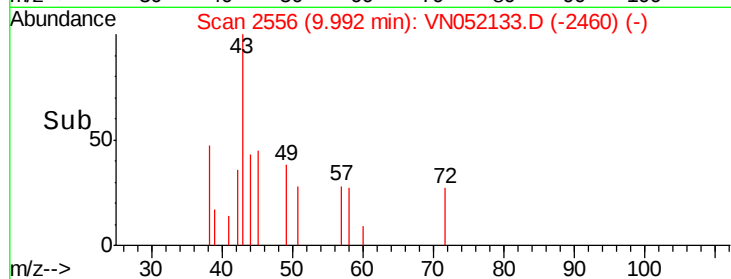
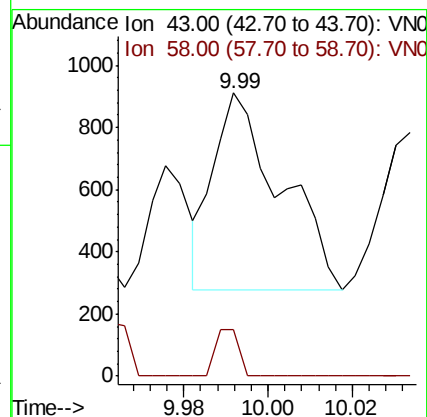
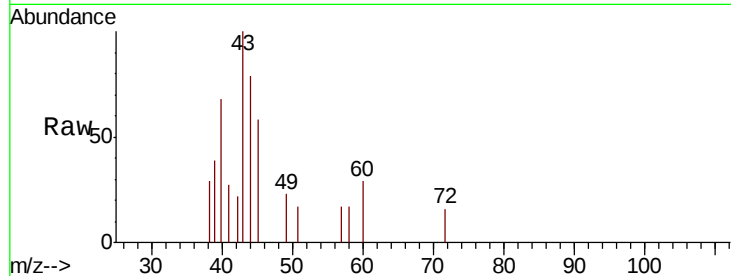
TP-12

Tot Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



#59

2-Hexanone

Concen: 4.508 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052133.D

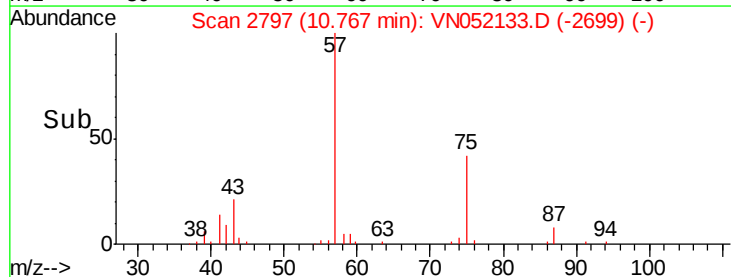
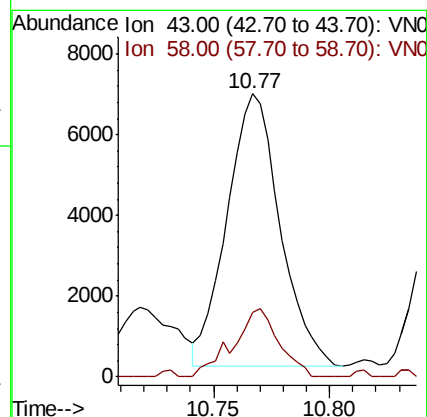
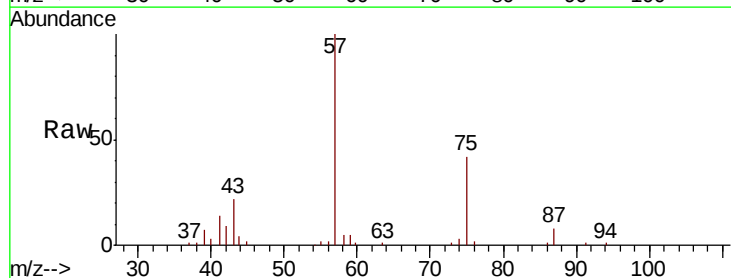
Acq: 2 Nov 2018 17:04

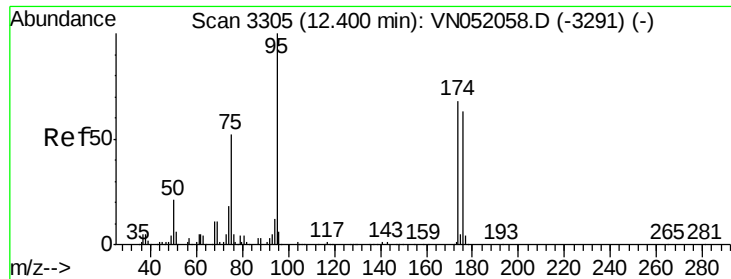
Tgt Ion: 43 Resp: 10714

Ion Ratio Lower Upper

43 100

58 21.6 25.2 75.6#

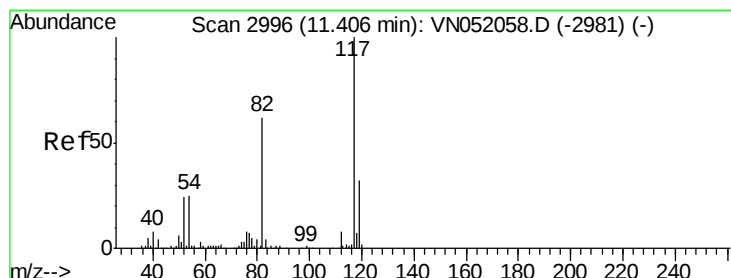
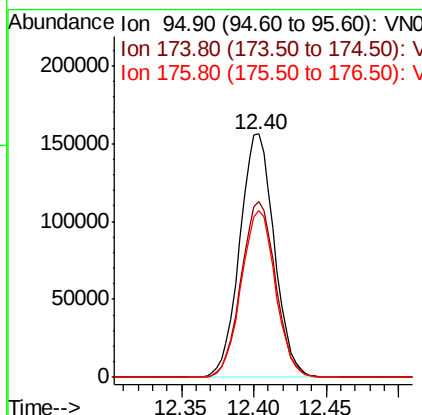
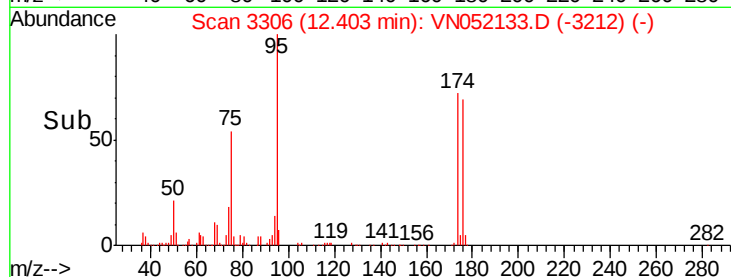
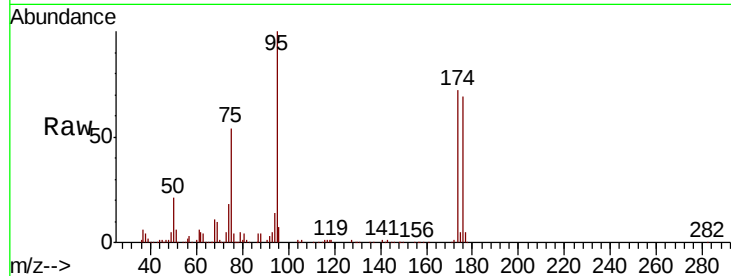




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

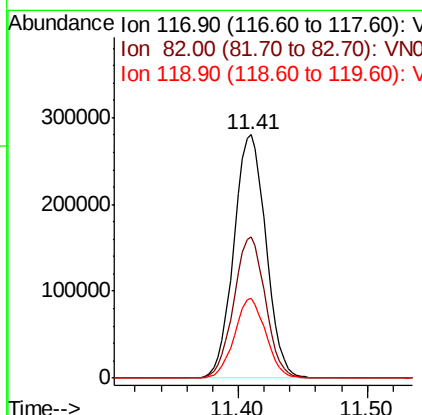
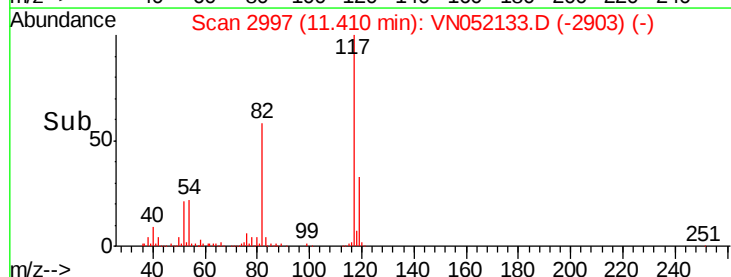
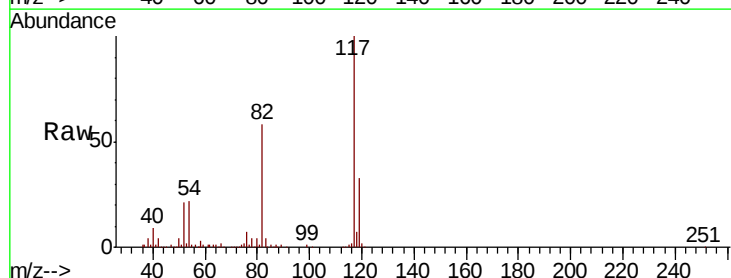
Instrument :
MSVOA_N
ClientSampleId :
TP-12

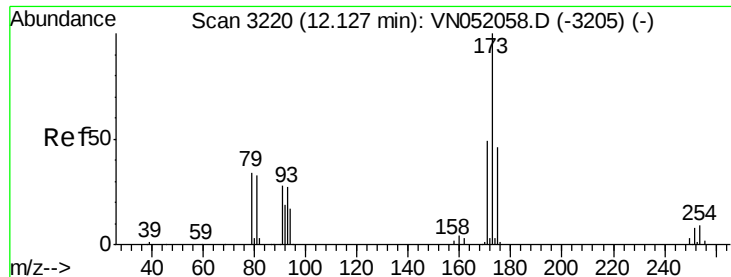
Tot Ion: 95 Resp: 258604
Ion Ratio Lower Upper
95 100
174 72.3 0.0 131.8
176 68.2 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052133.D
Acq: 2 Nov 2018 17:04

Tgt Ion: 117 Resp: 484940
Ion Ratio Lower Upper
117 100
82 58.1 49.9 74.9
119 32.9 25.7 38.5





#71

Bromoform

Concen: 2.606 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

TP-12

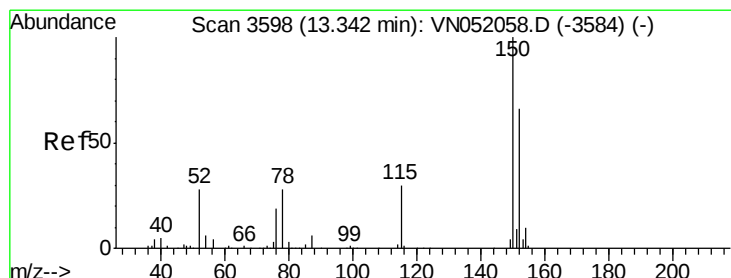
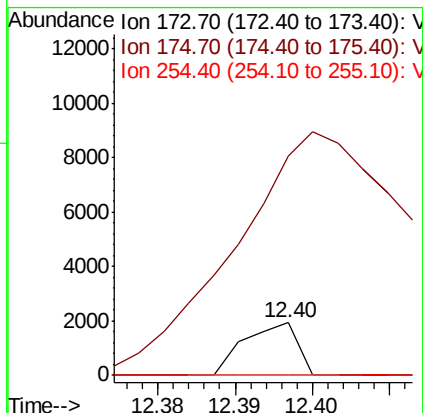
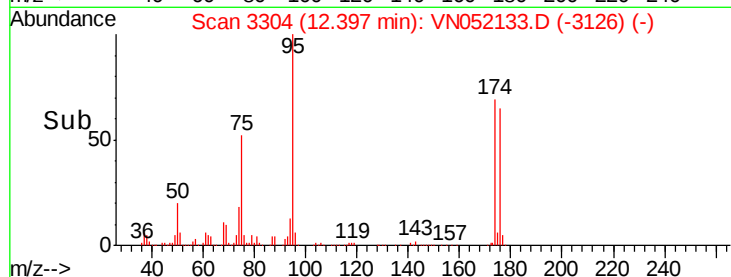
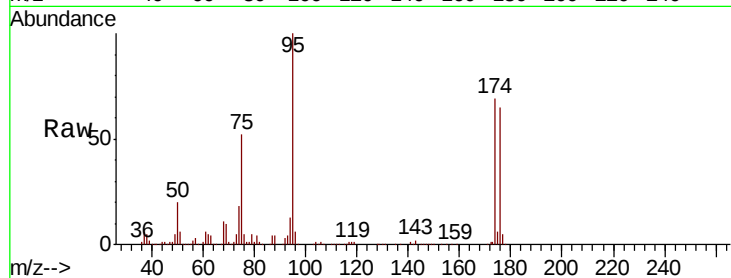
Tot Ion:173 Resp: 922

Ion Ratio Lower Upper

173 100

175 1381.1 23.9 71.7#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052133.D

Acq: 2 Nov 2018 17:04

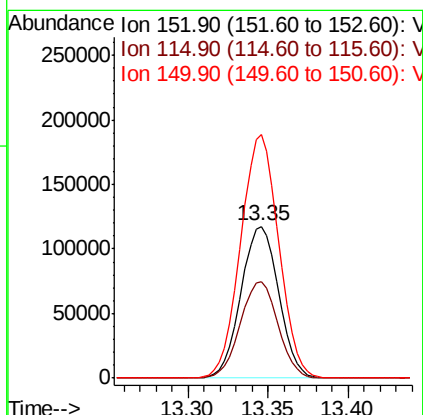
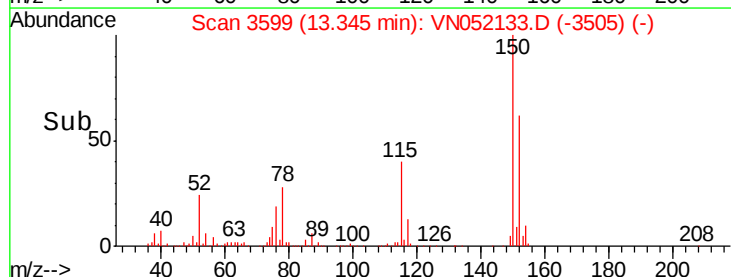
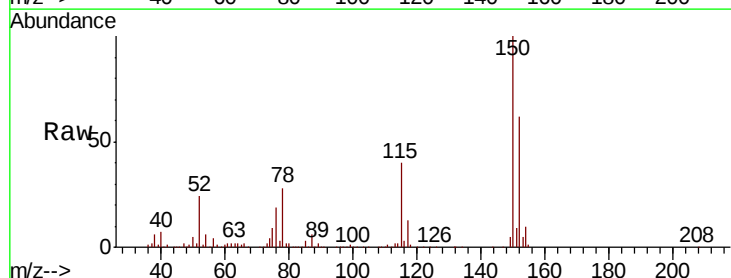
Tgt Ion:152 Resp: 189173

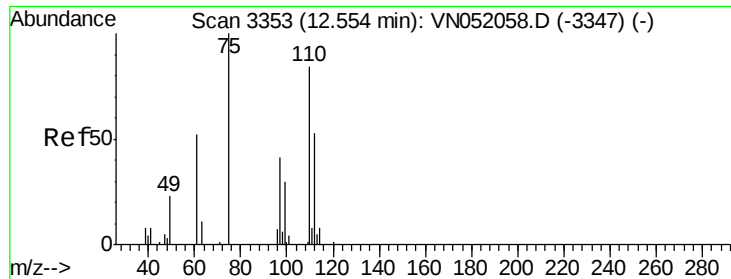
Ion Ratio Lower Upper

152 100

115 63.7 31.6 95.0

150 161.6 0.0 345.0

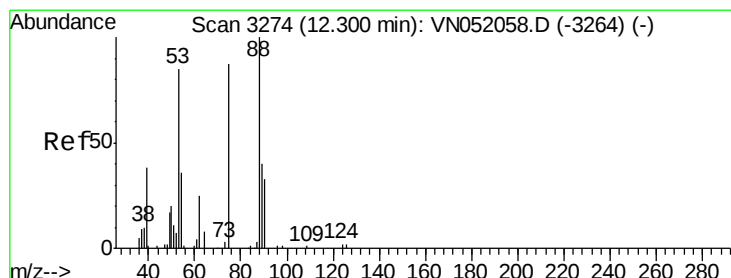
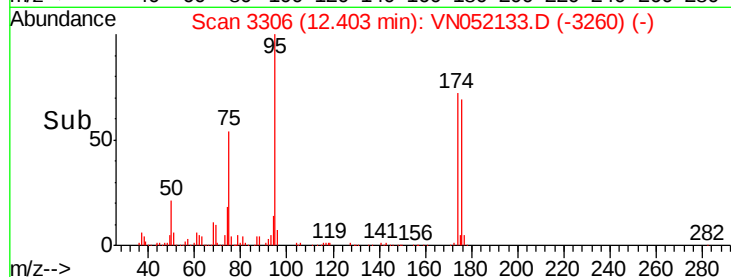
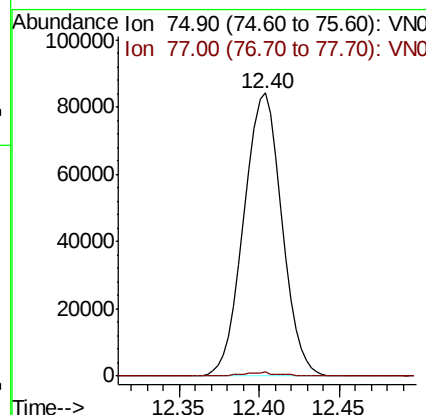
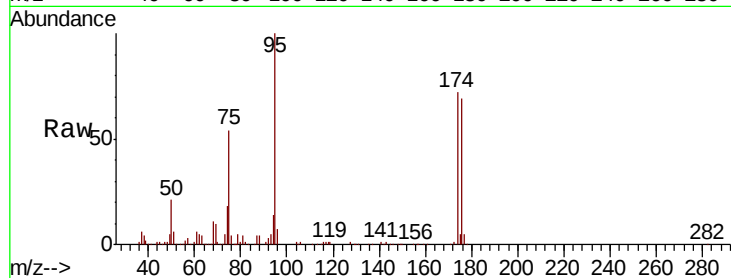




#76
 1,2,3-Trichloropropane
 Concen: 39.481 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

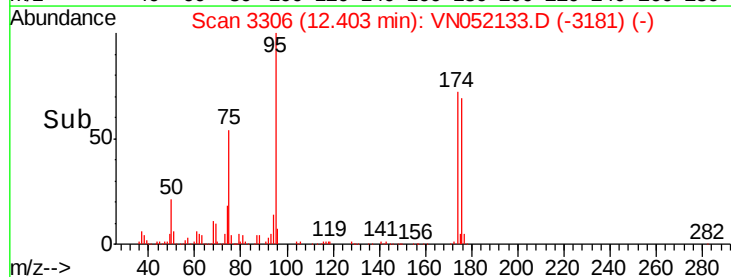
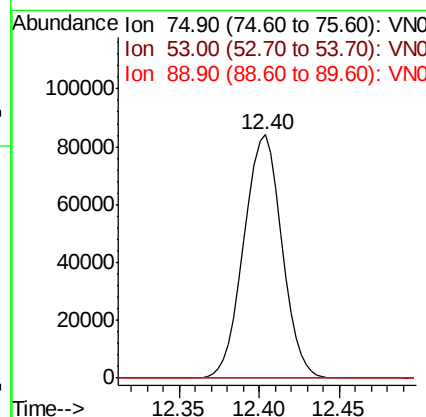
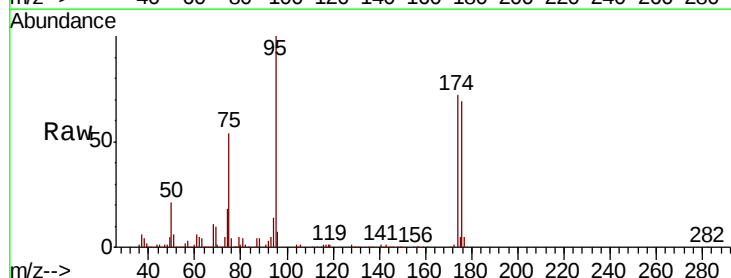
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

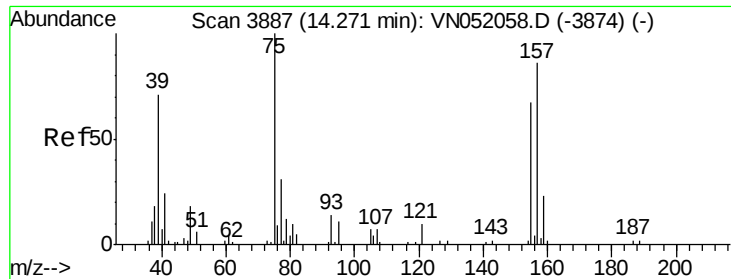
Tot Ion: 75 Resp: 136718
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.043 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

Tgt Ion: 75 Resp: 136718
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.6#
 89 0.0 36.6 54.8#

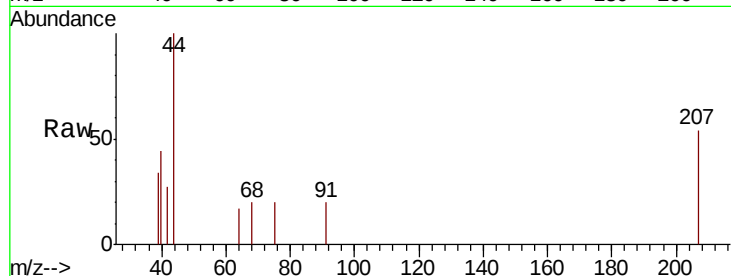




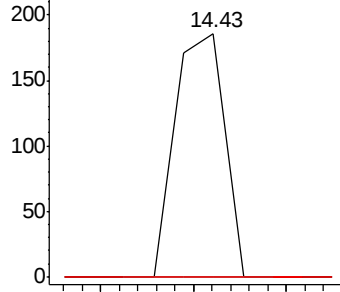
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.040 ug/l
 RT: 14.43 min Scan# 3937
 Delta R.T. 0.16 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

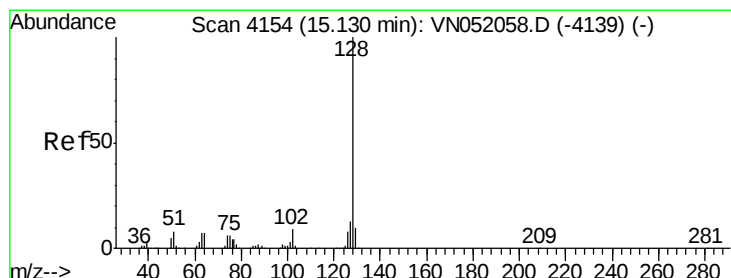
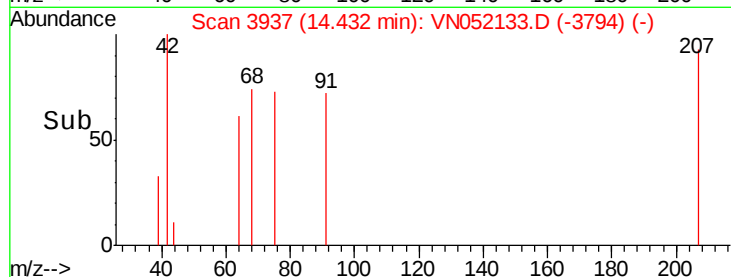
Tot Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 34.0 102.0#
 157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3874) (-)
 Ion 154.80 (154.50 to 155.50): VN052058.D (-3874) (-)
 Ion 156.80 (156.50 to 157.50): VN052058.D (-3874) (-)

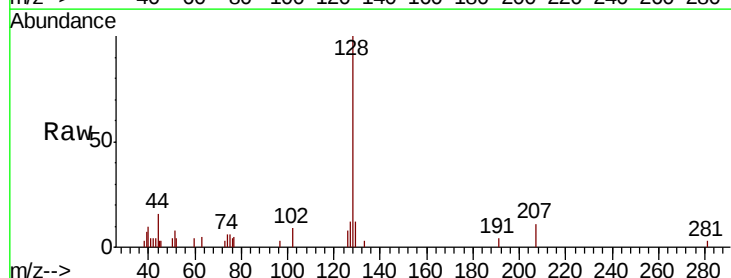


Time-->

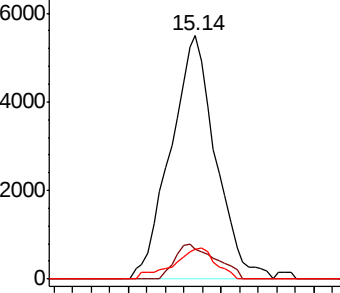


#95
 Naphthalene
 Concen: 1.710 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN052133.D
 Acq: 2 Nov 2018 17:04

Tgt Ion: 128 Resp: 9270
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.5 15.7
 129 12.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN052058.D (-4139) (-)
 Ion 127.00 (126.70 to 127.70): VN052058.D (-4139) (-)
 Ion 129.00 (128.70 to 129.70): VN052058.D (-4139) (-)



Time-->

