

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051853.D
 Acq On : 13 Oct 2018 00:27
 Operator : MD\SY
 Sample : PB113779ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#06

Quant Time: Oct 13 02:10:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	806619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1180840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1038415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378340	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	435058	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
35) Dibromofluoromethane	7.59	113	432593	58.92	ug/l	0.00
Spiked Amount			Recovery	=	117.84%	
50) Toluene-d8	10.09	98	1612438	58.93	ug/l	0.00
Spiked Amount			Recovery	=	117.86%	
62) 4-Bromofluorobenzene	12.40	95	468935	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

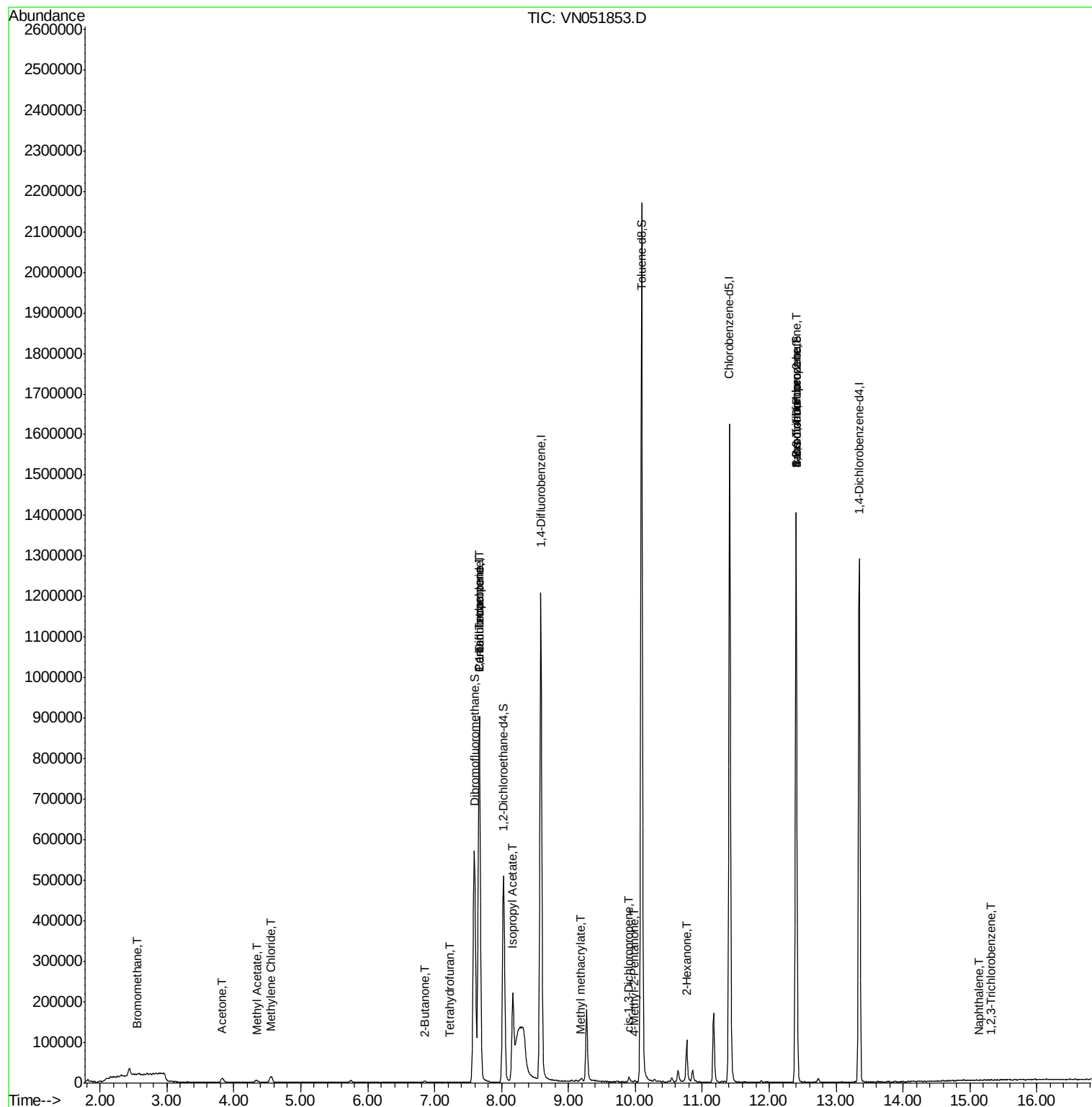
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2240	0.305	ug/l	93
16) Acetone	3.82	43	17512	10.532	ug/l	95
18) Methyl Acetate	4.34	43	11231	1.521	ug/l	99
20) Methylene Chloride	4.55	84	5447	0.792	ug/l	87
25) 2-Butanone	6.84	43	3212	1.367	ug/l #	88
29) Tetrahydrofuran	7.22	42	362	0.259	ug/l #	7
31) Cyclohexane	7.66	56	14306	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	51310	5.367	ug/l #	44
38) Carbon Tetrachloride	7.67	117	74240	6.700	ug/l #	16
43) Isopropyl Acetate	8.17	43	267814	27.095	ug/l	95
48) Methyl methacrylate	9.17	41	3911	0.894	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	1143	0.224	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	2368	0.217	ug/l #	72
59) 2-Hexanone	10.77	43	12292	3.435	ug/l #	53
71) Bromoform	12.40	173	3403	4.080	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	234851	50.314	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	234851	142.944	ug/l #	15
95) Naphthalene	15.13	128	168	4.407	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	62	2.866	ug/l #	12

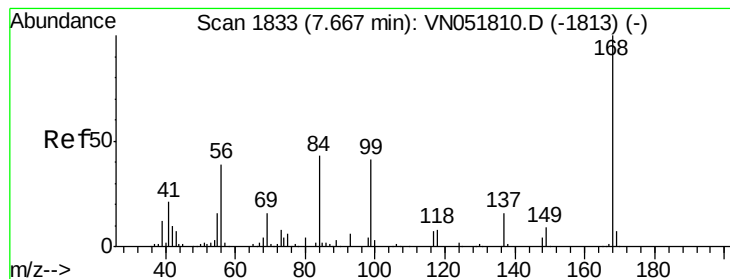
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 09:51:20 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: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

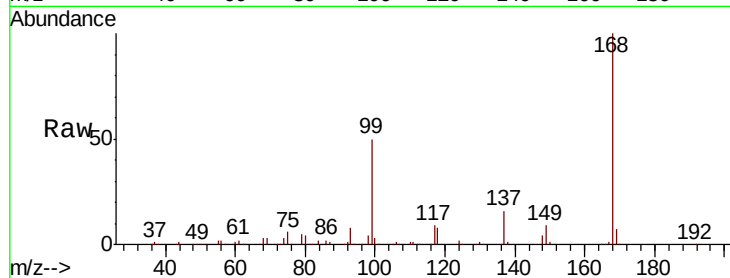
PB113779ZHE#06

Tot Ion:168 Resp: 806619

Ion Ratio Lower Upper

168 100

99 49.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

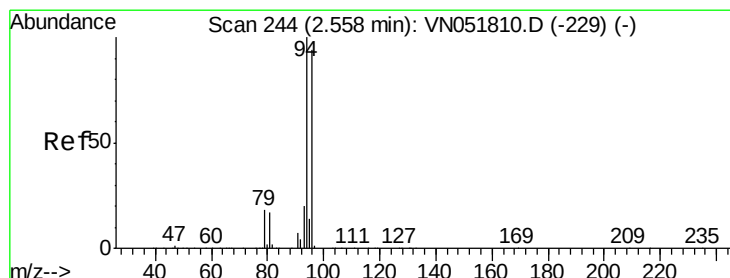
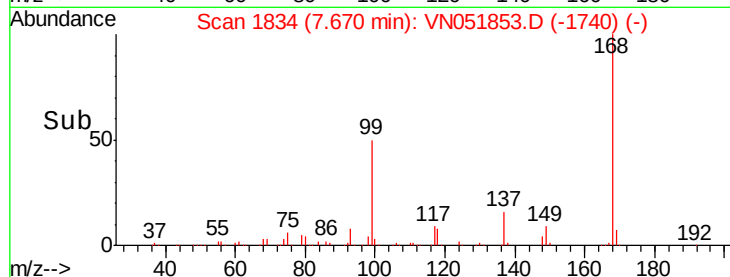
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.305 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051853.D

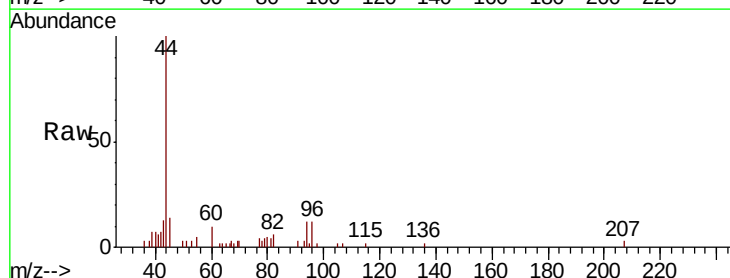
Acq: 13 Oct 2018 00:27

Tgt Ion: 94 Resp: 2240

Ion Ratio Lower Upper

94 100

96 88.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

1200

1000

800

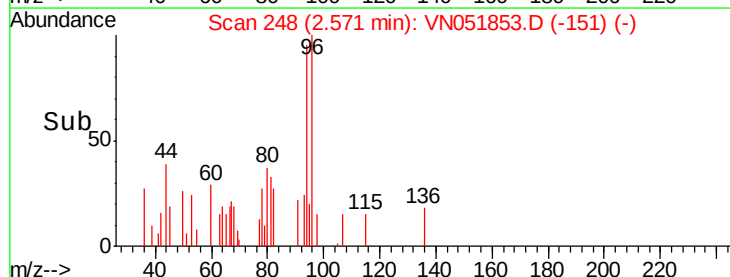
600

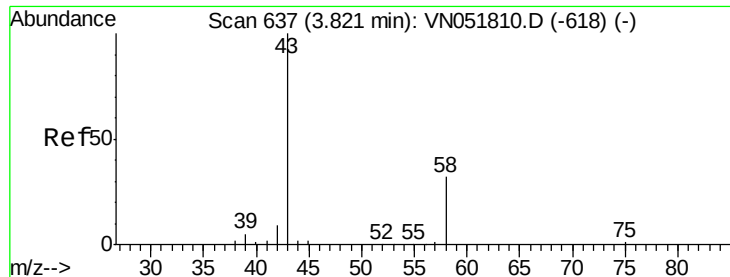
400

200

0

Time-->





#16

Acetone

Concen: 10.532 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

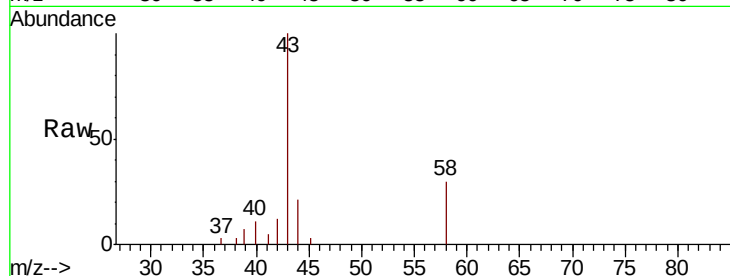
PB113779ZHE#06

Tot Ion: 43 Resp: 17512

Ion Ratio Lower Upper

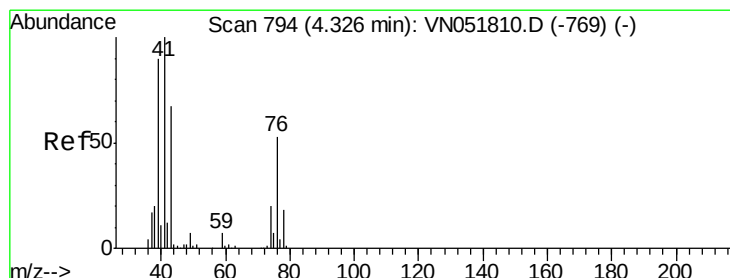
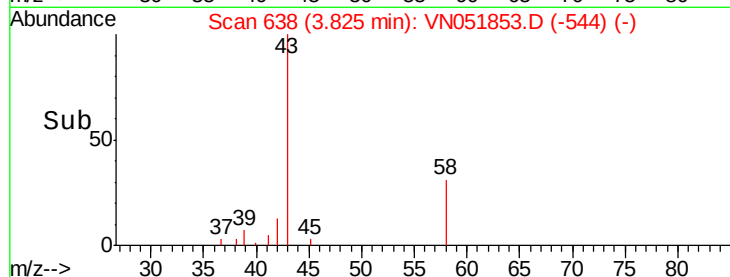
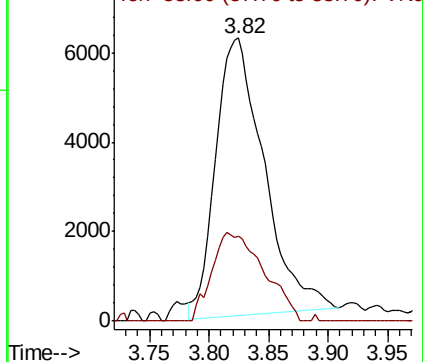
43 100

58 31.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.521 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051853.D

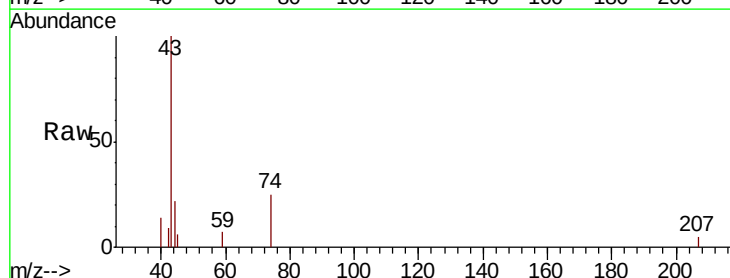
Acq: 13 Oct 2018 00:27

Tgt Ion: 43 Resp: 11231

Ion Ratio Lower Upper

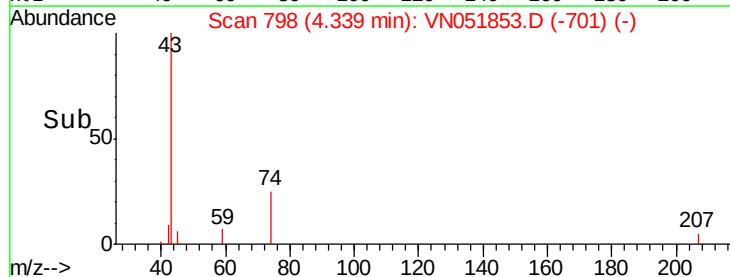
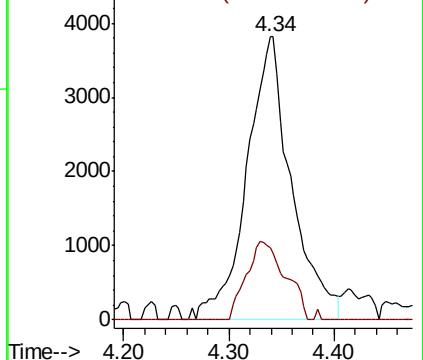
43 100

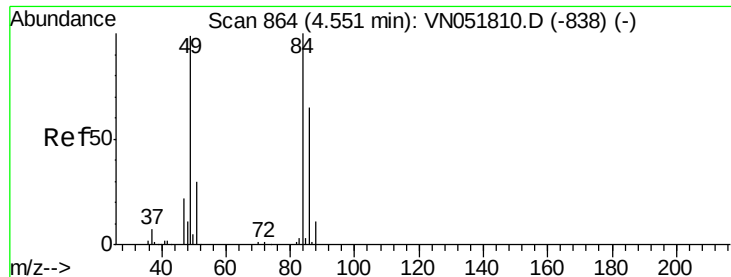
74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

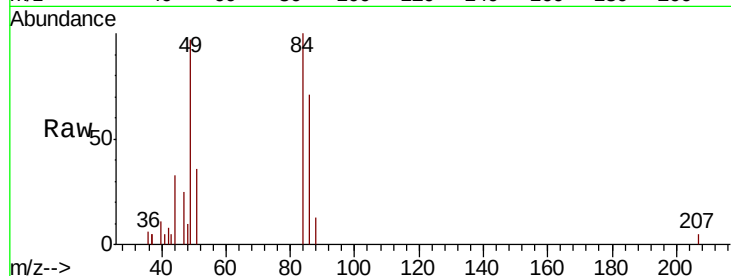




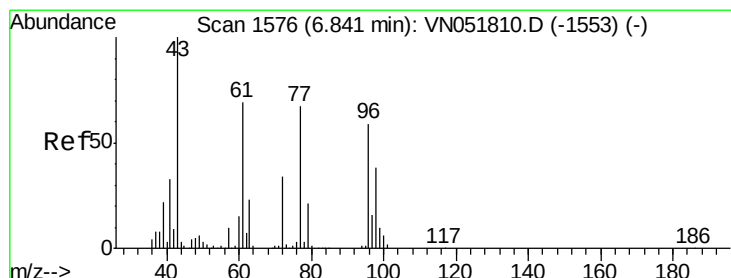
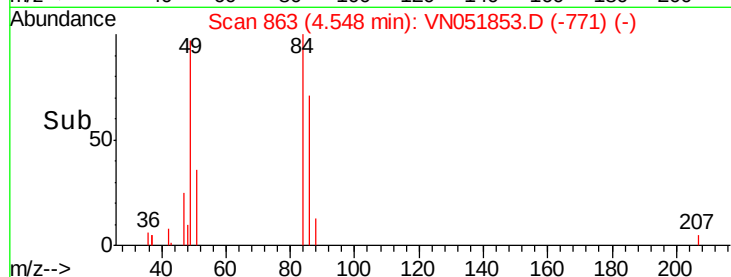
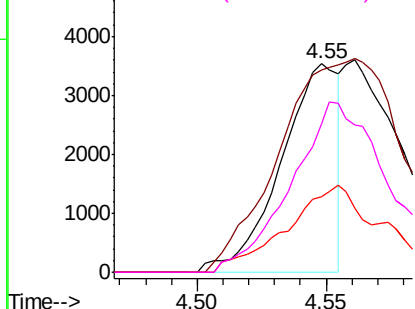
#20
Methvlene Chloride
Concen: 0.792 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#06

Tot Ion:	84	Resp:	5447
Ion	Ratio	Lower	Upper
84	100		
49	97.0	93.2	139.8
51	36.0	29.0	43.6
86	71.2	49.8	74.8

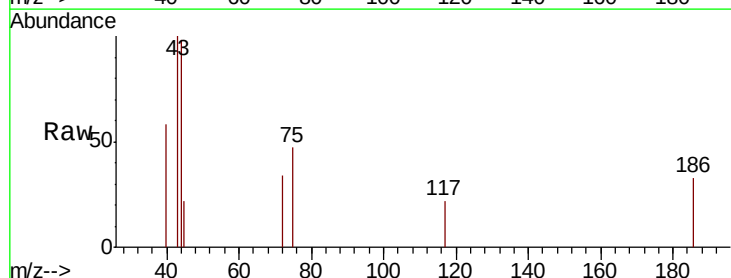


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

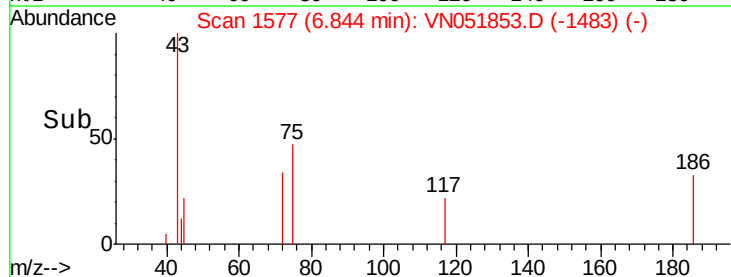
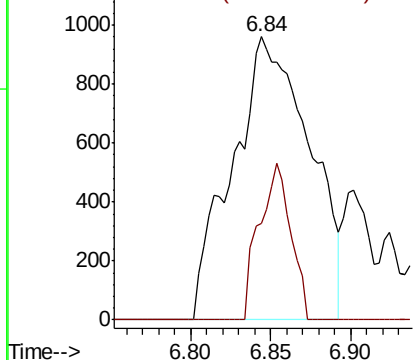


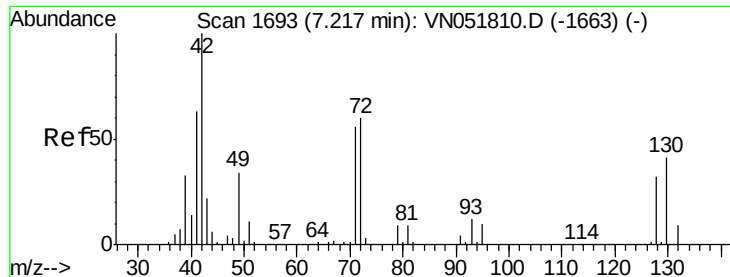
#25
2-Butanone
Concen: 1.367 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Tgt Ion:	43	Resp:	3212
Ion	Ratio	Lower	Upper
43	100		
72	34.0	22.3	33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#06

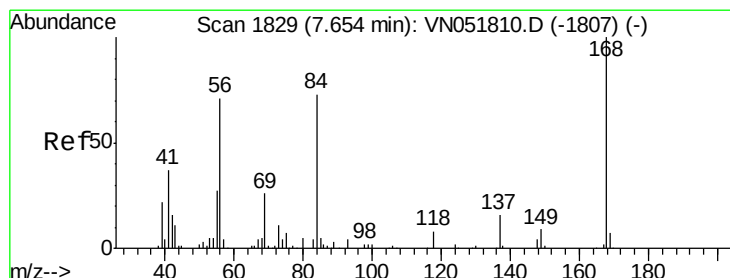
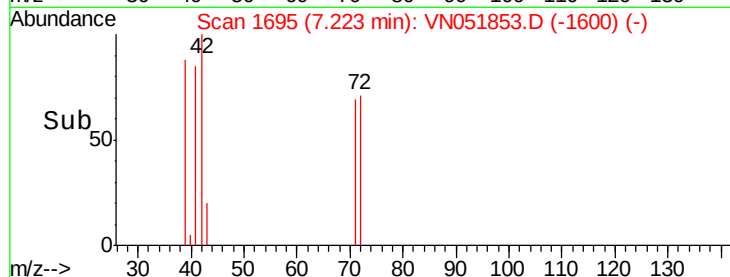
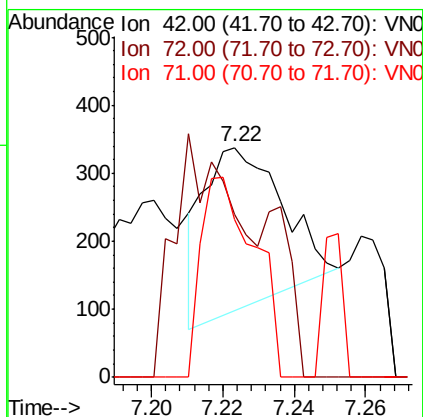
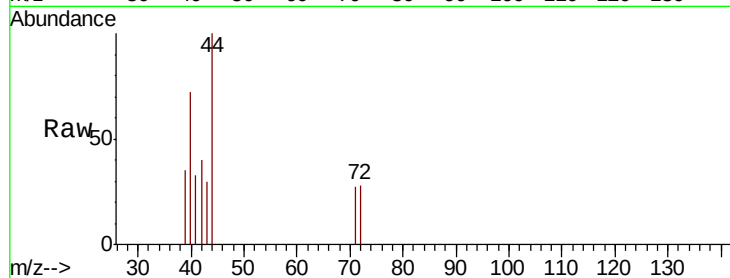
Tot Ion: 42 Resp: 362

Ion Ratio Lower Upper

42 100

72 120.7 35.5 53.3#

71 84.5 33.7 50.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

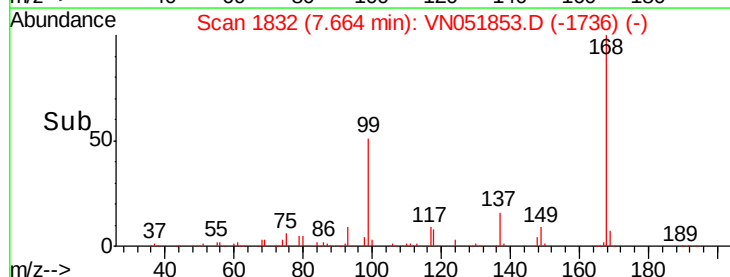
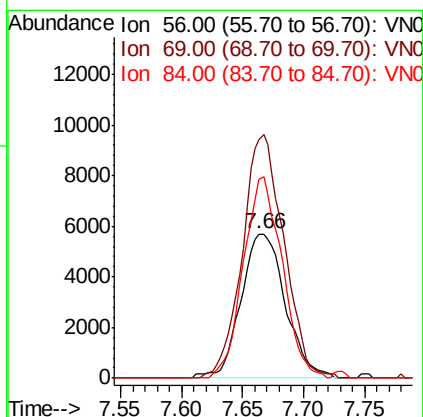
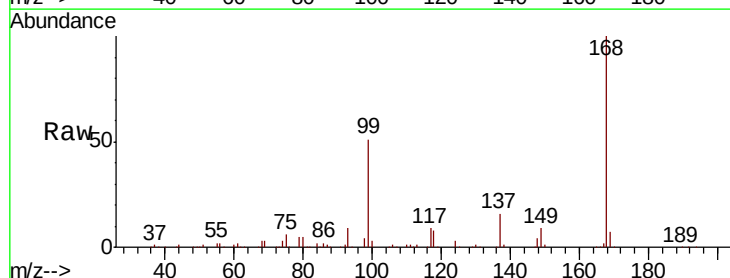
Tgt Ion: 56 Resp: 14306

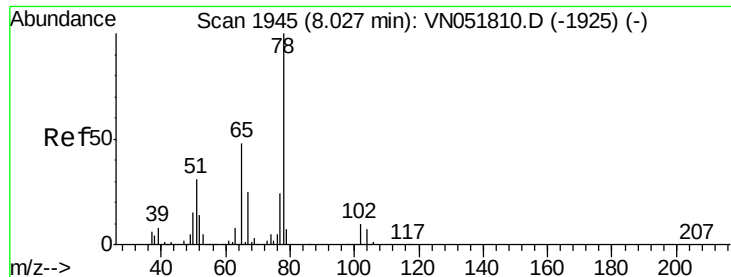
Ion Ratio Lower Upper

56 100

69 165.7 26.2 39.4#

84 138.4 68.3 102.5#

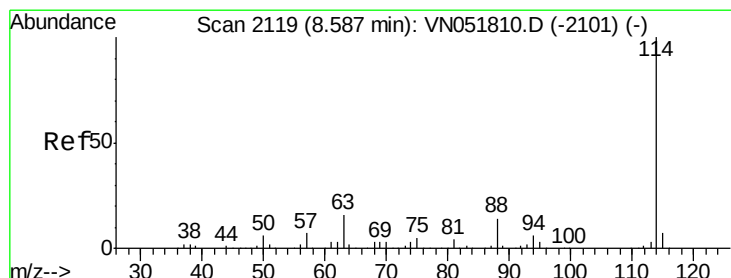
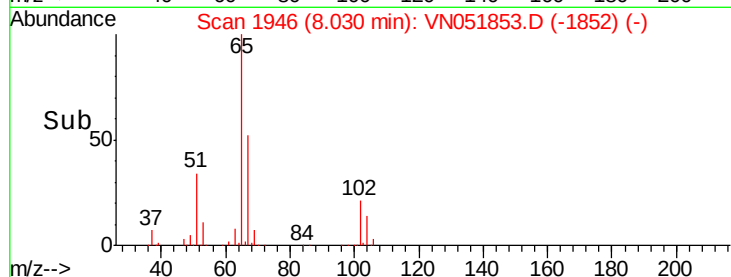
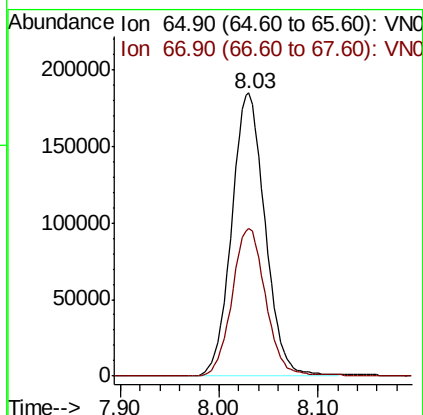
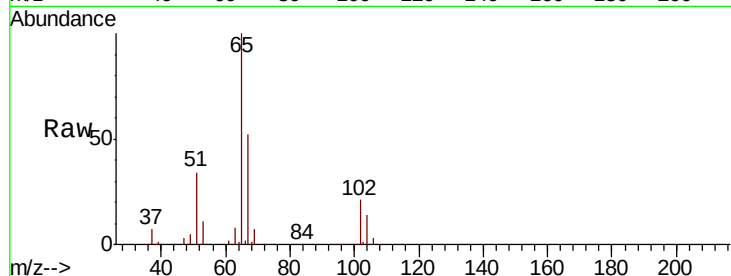




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051853.D
 Acq: 13 Oct 2018 00:27

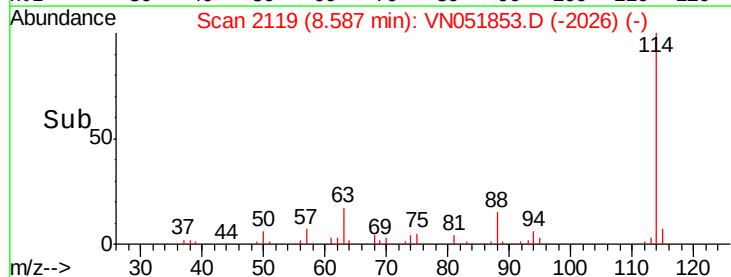
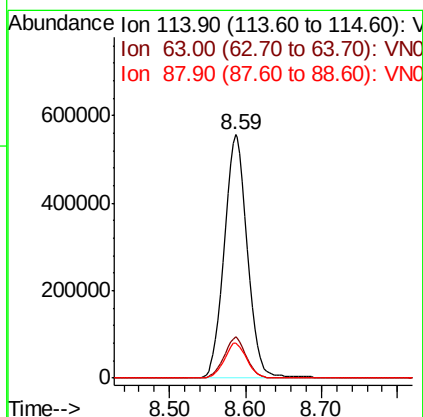
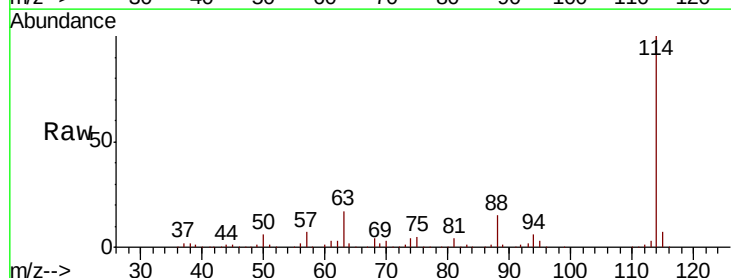
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 PB113779ZHE#06

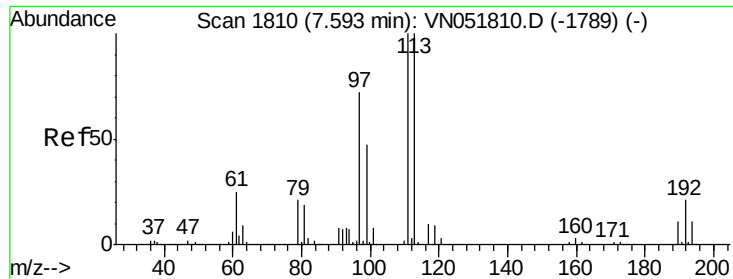
Tot Ion: 65 Resp: 435058
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051853.D
 Acq: 13 Oct 2018 00:27

Tgt Ion: 114 Resp: 1180840
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 38.6
 88 14.6 0.0 30.6

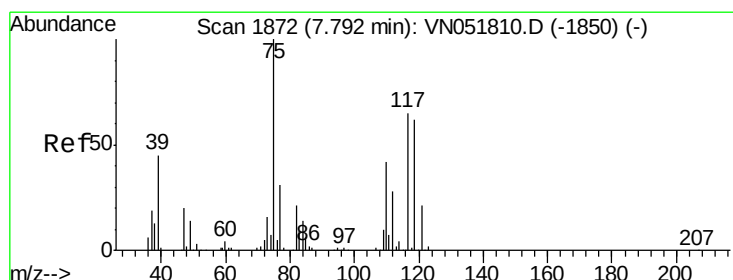
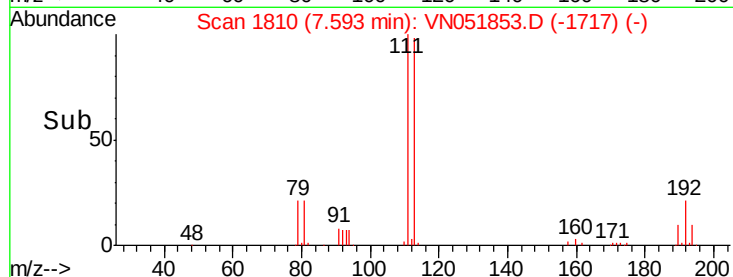
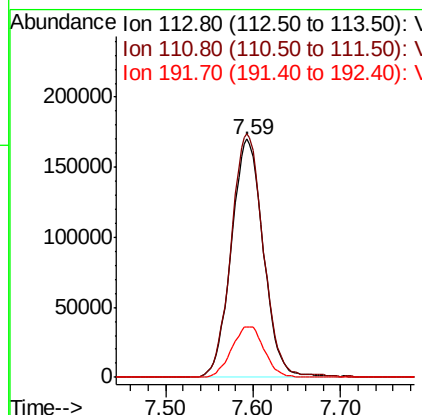
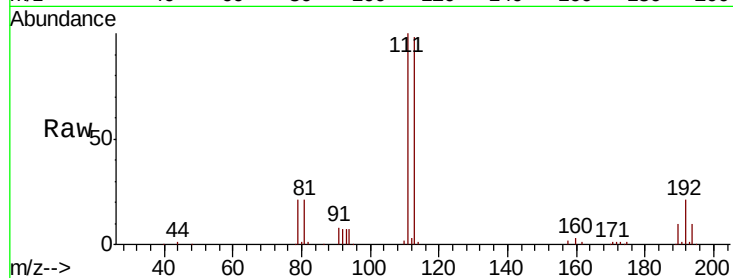




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051853.D
 Acq: 13 Oct 2018 00:27

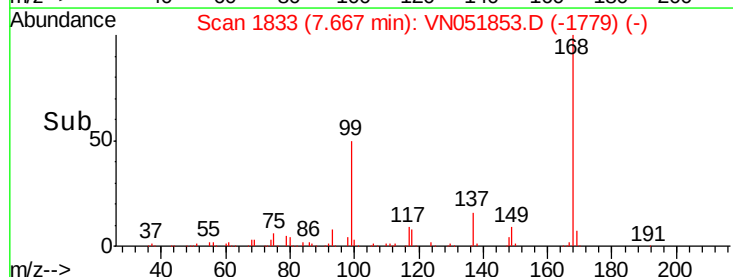
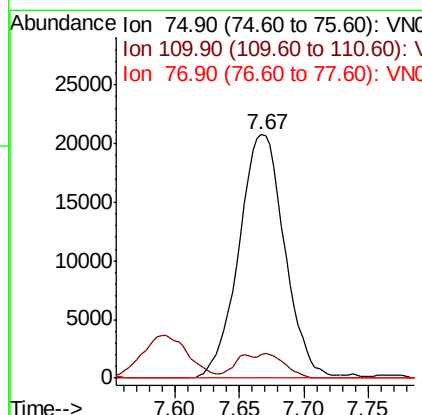
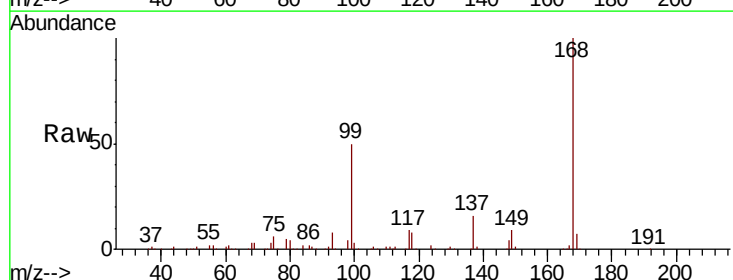
Instrument :
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 ClientSampleId :
 PB113779ZHE#06

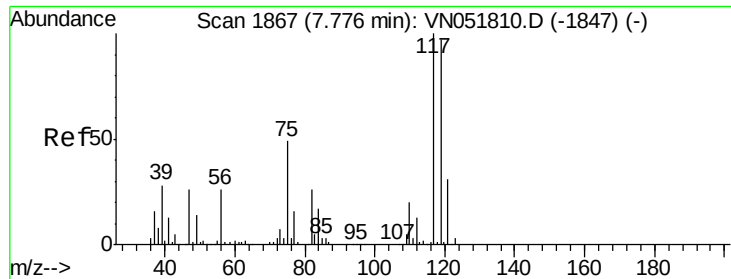
Tot Ion:113 Resp: 432593
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 21.7 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.367 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051853.D
 Acq: 13 Oct 2018 00:27

Tgt Ion: 75 Resp: 51310
 Ion Ratio Lower Upper
 75 100
 110 3.2 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.700 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#06

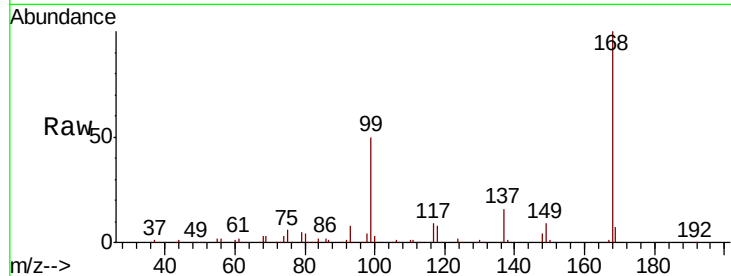
Tot Ion:117 Resp: 74240

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

121 0.0 24.6 36.8#

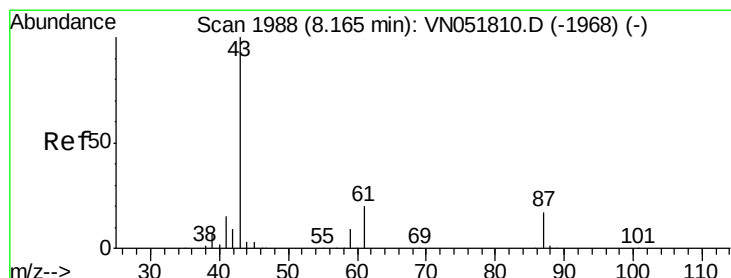
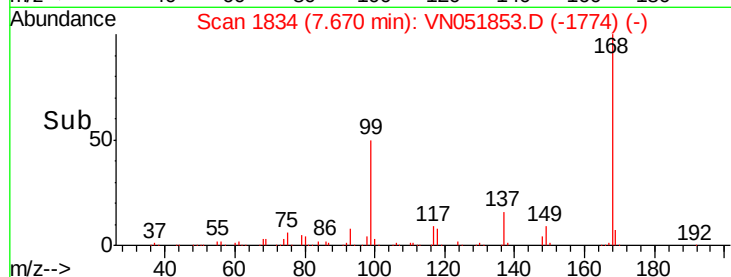
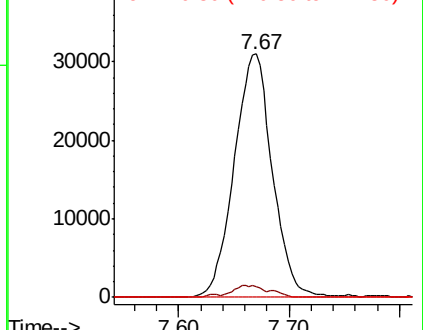


Abundance

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: 27.095 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

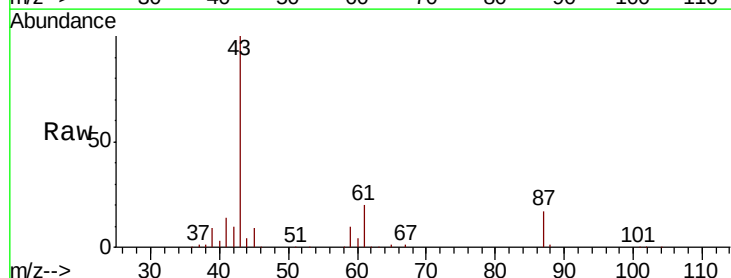
Tgt Ion: 43 Resp: 267814

Ion Ratio Lower Upper

43 100

61 18.5 17.5 26.3

87 14.2 11.3 16.9

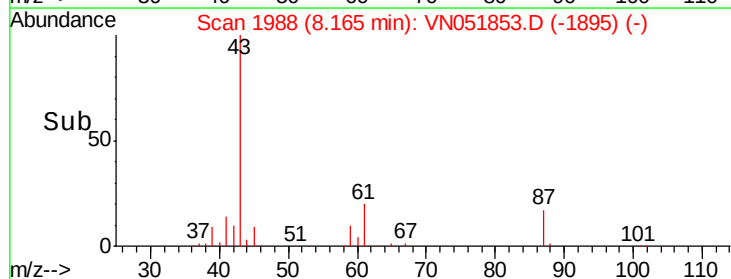
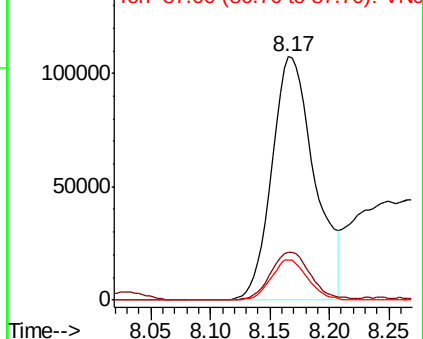


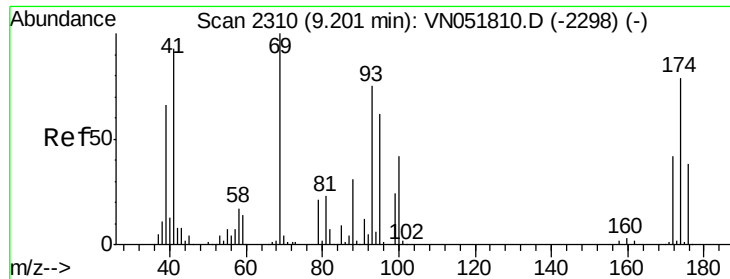
Abundance

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

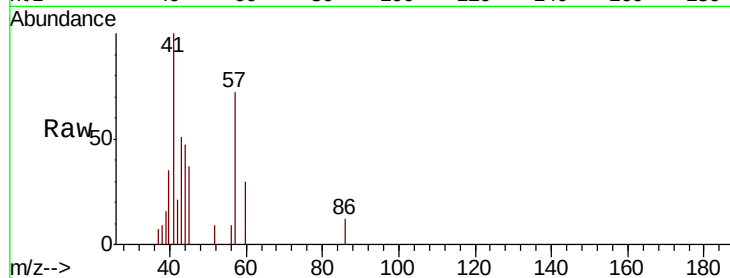




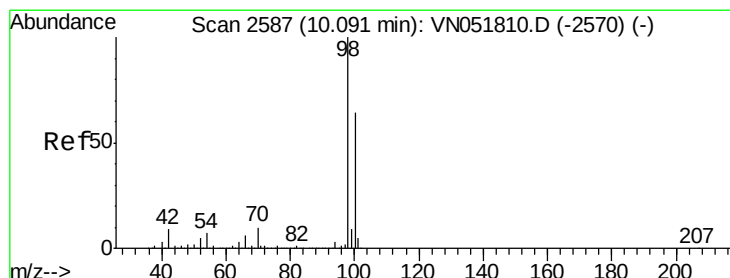
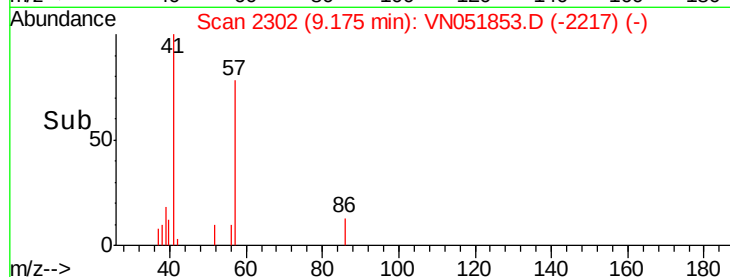
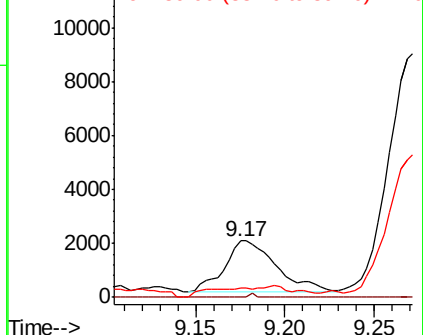
#48
Methvl methacrylate
Concen: 0.894 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#06

Tot Ion: 41 Resp: 3911
Ion Ratio Lower Upper
41 100
69 0.8 74.7 112.1#
39 10.9 42.2 63.2#

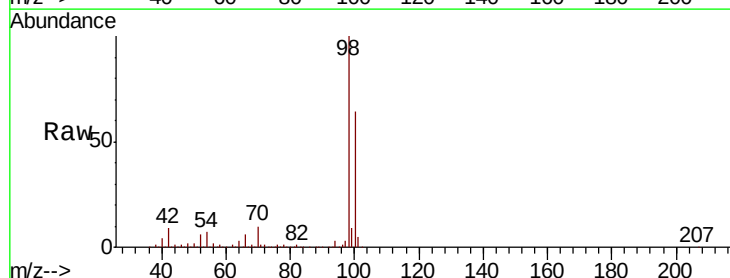


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

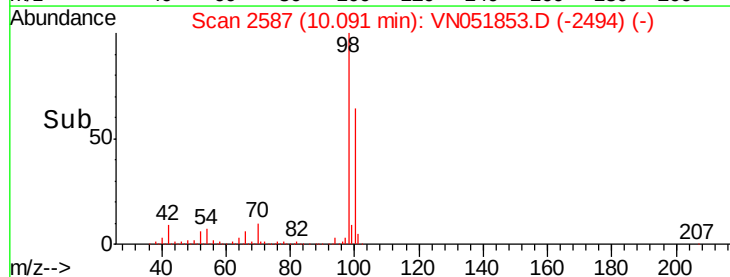
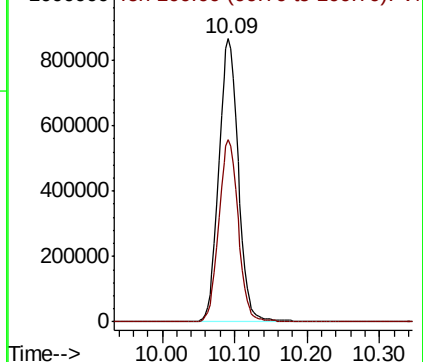


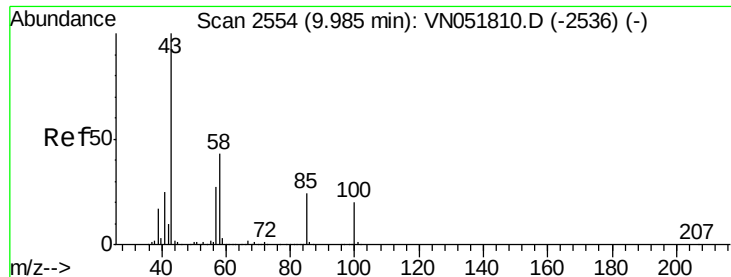
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Tgt Ion: 98 Resp: 1612438
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



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: 0.224 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.01 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

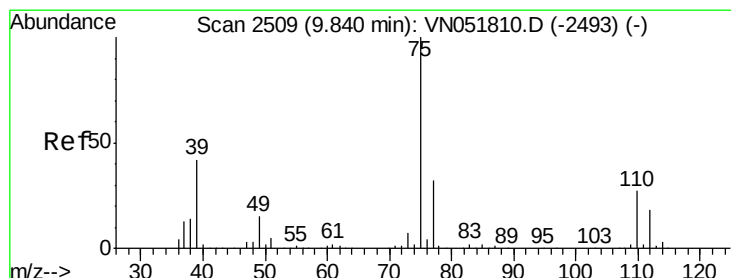
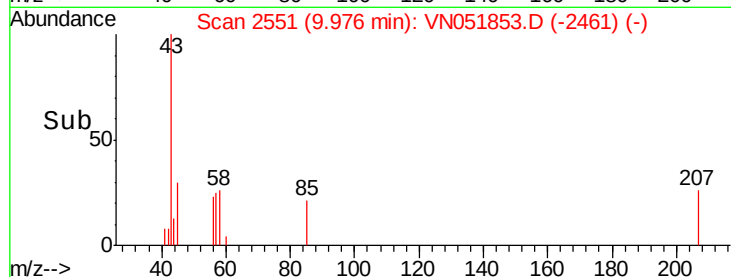
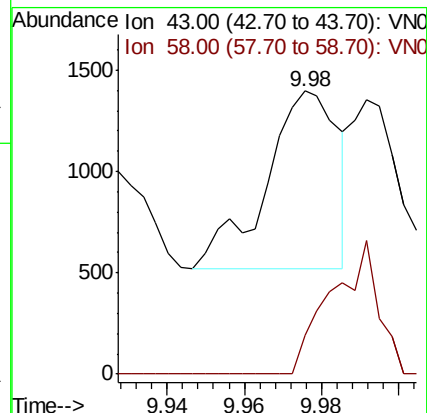
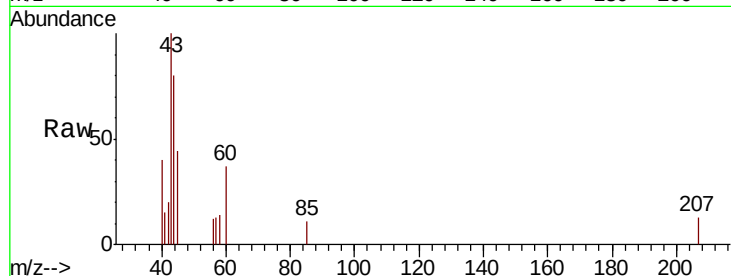
PB113779ZHE#06

Tot Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

58 48.8 32.4 48.6#



#54

cis-1,3-Dichloropropene

Concen: 0.217 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

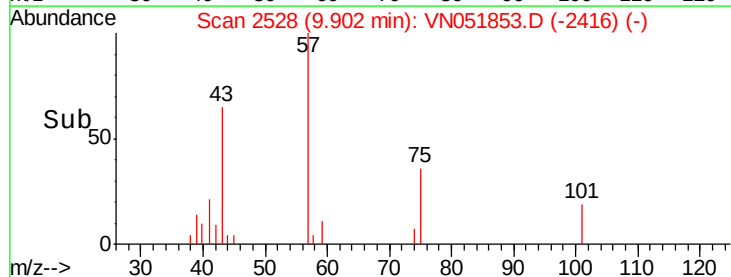
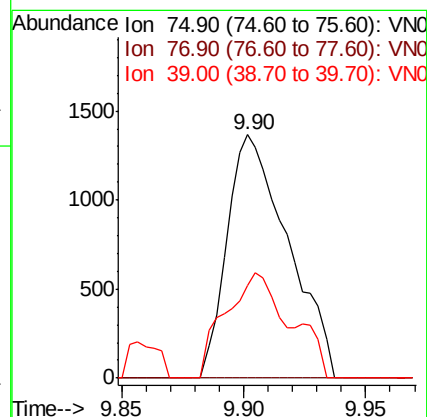
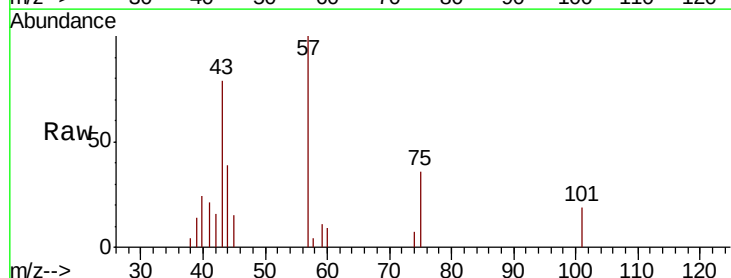
Tgt Ion: 75 Resp: 2368

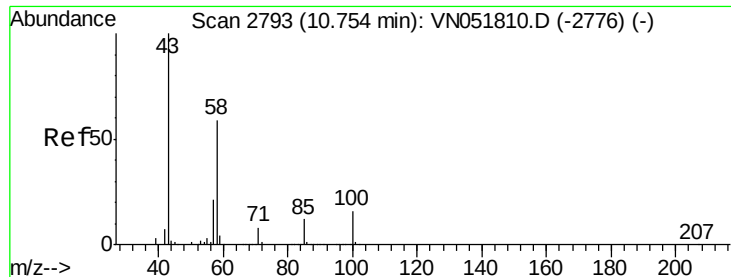
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 38.3 33.0 49.4

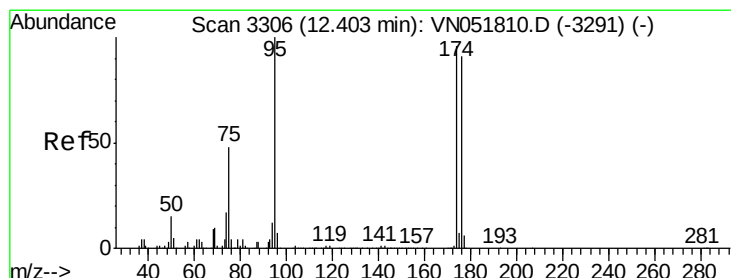
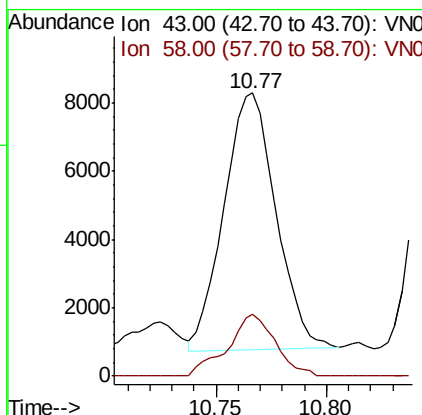
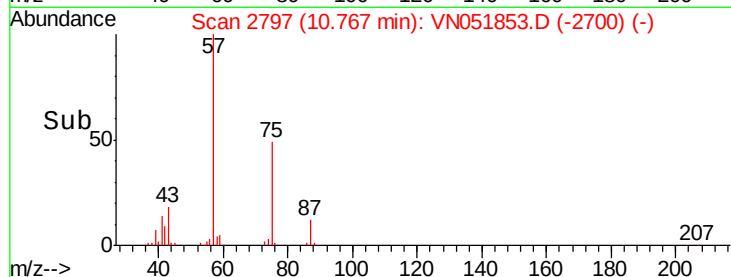
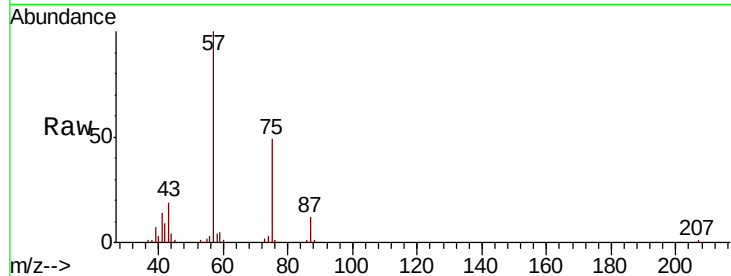




#59
2-Hexanone
Concen: 3.435 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

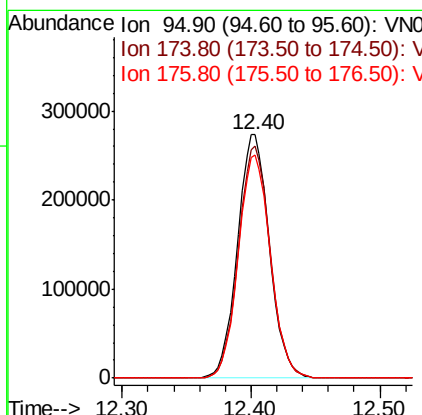
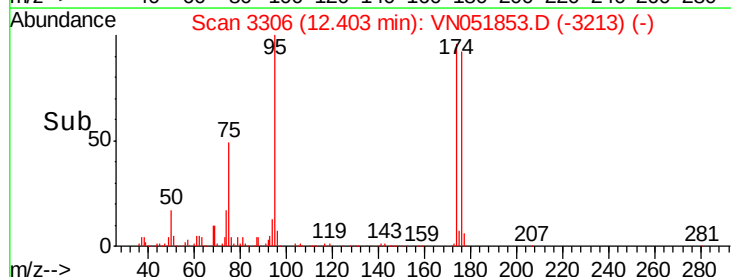
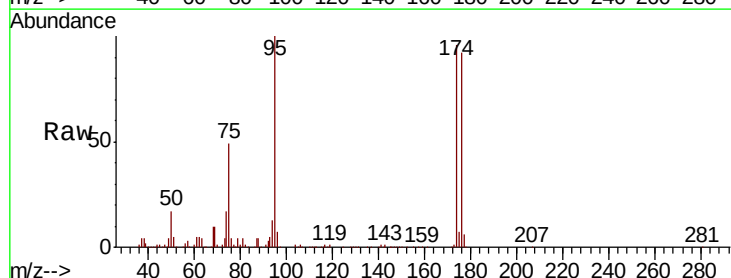
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#06

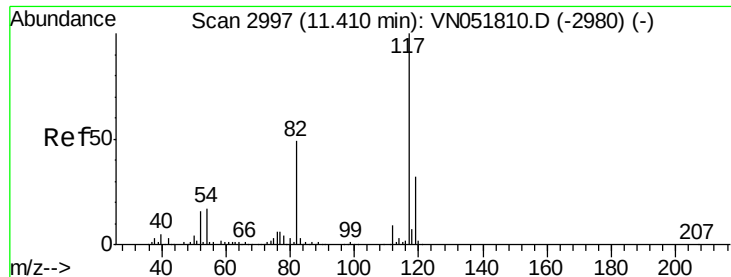
Tot Ion: 43 Resp: 12292
Ion Ratio Lower Upper
43 100
58 22.2 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Tgt Ion: 95 Resp: 468935
Ion Ratio Lower Upper
95 100
174 95.5 0.0 183.0
176 92.5 0.0 178.8

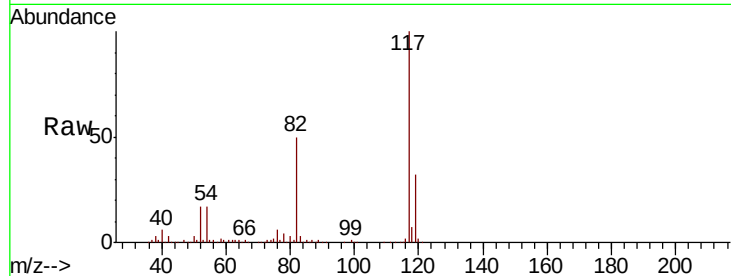




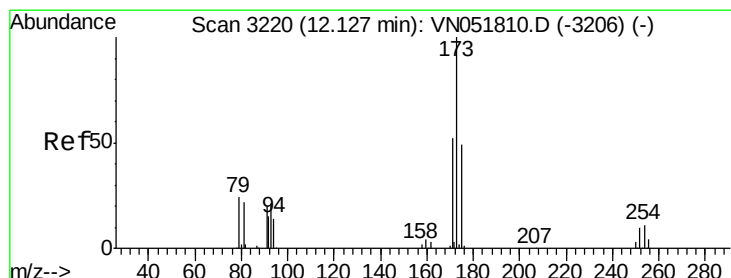
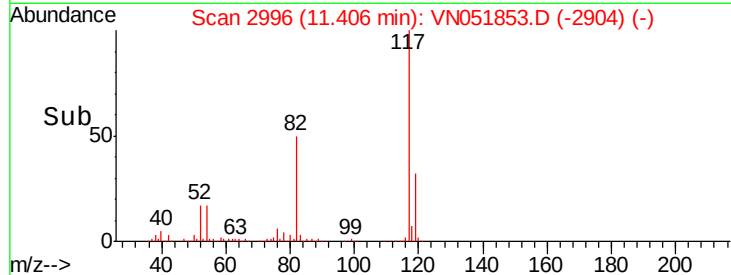
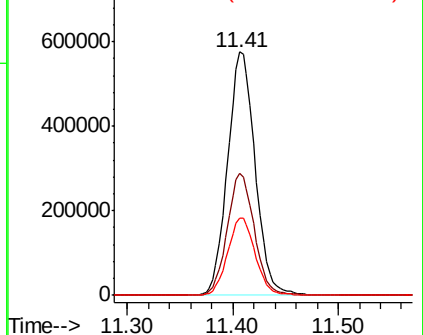
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#06

Tot Ion:117 Resp: 1038415
Ion Ratio Lower Upper
117 100
82 50.1 42.6 64.0
119 32.0 25.8 38.6

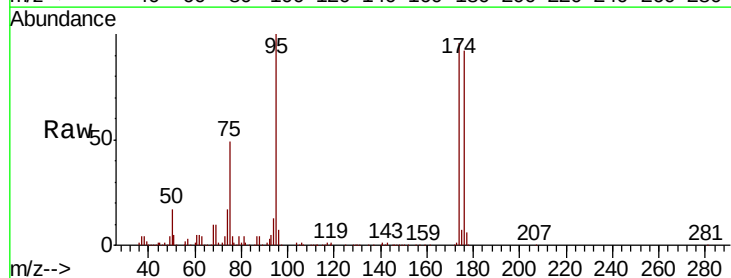


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

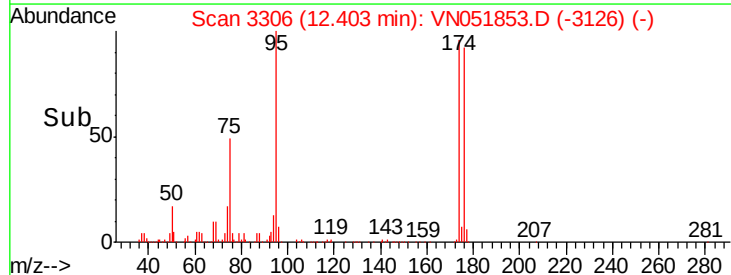
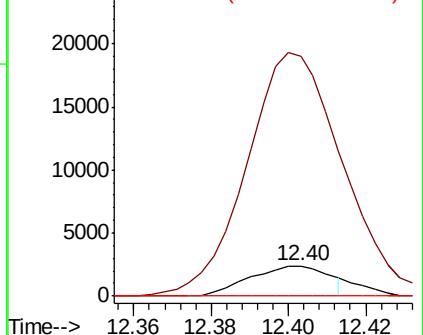


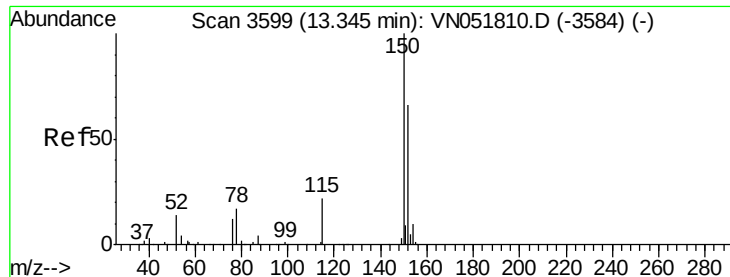
#71
Bromoform
Concen: 4.080 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051853.D
Acq: 13 Oct 2018 00:27

Tgt Ion:173 Resp: 3403
Ion Ratio Lower Upper
173 100
175 836.5 24.4 73.4#
254 0.0 0.1 0.1#



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: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#06

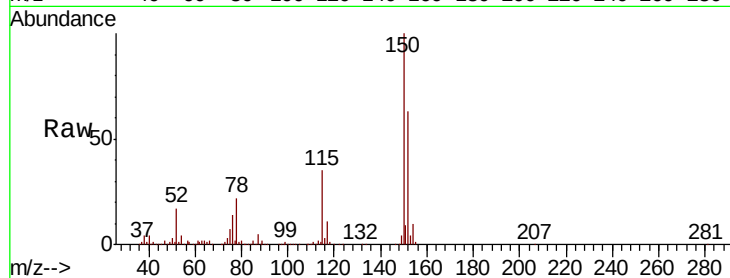
Tot Ion:152 Resp: 378340

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

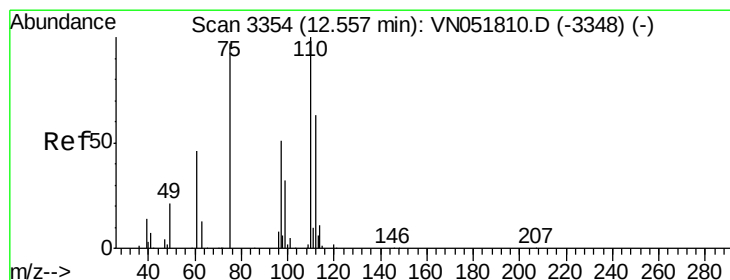
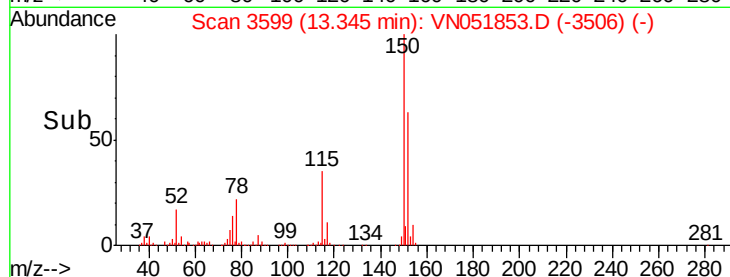
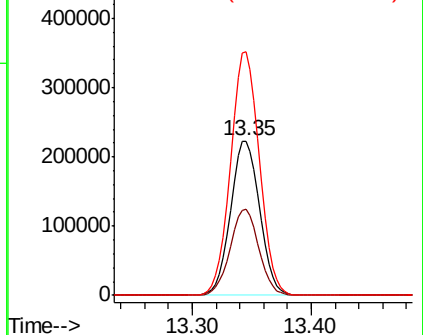
150 155.7 0.0 351.4



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: 50.314 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051853.D

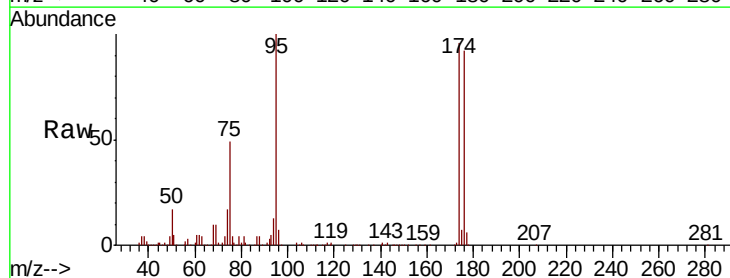
Acq: 13 Oct 2018 00:27

Tgt Ion: 75 Resp: 234851

Ion Ratio Lower Upper

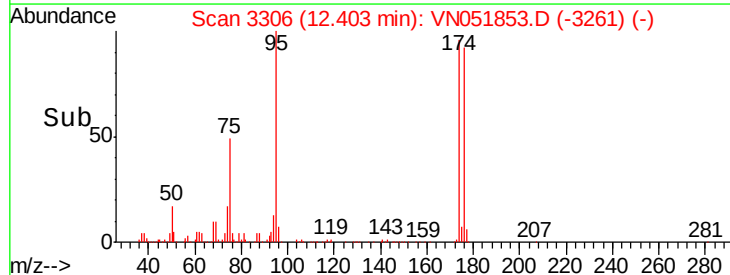
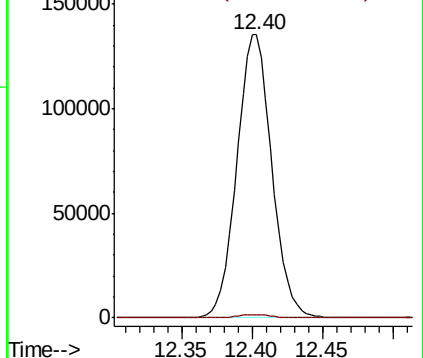
75 100

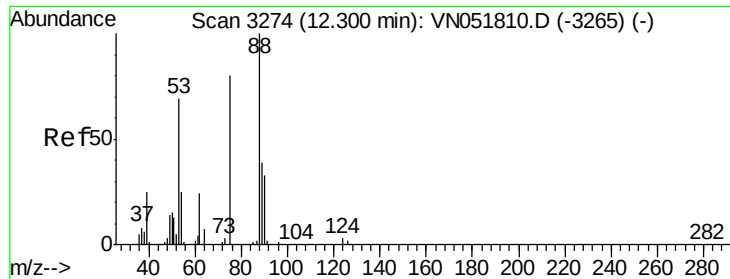
77 1.1 0.0 0.0#



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: 142.944 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#06

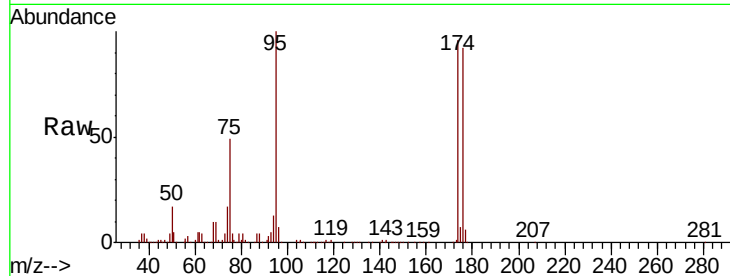
Tot Ion: 75 Resp: 234851

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

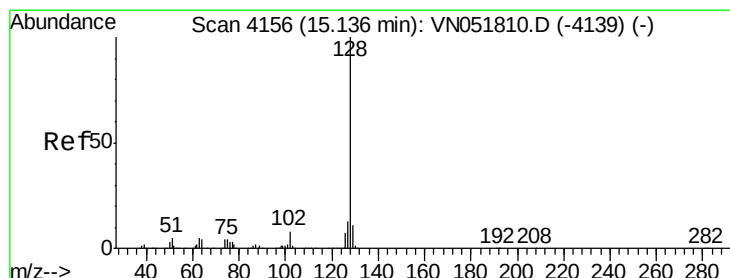
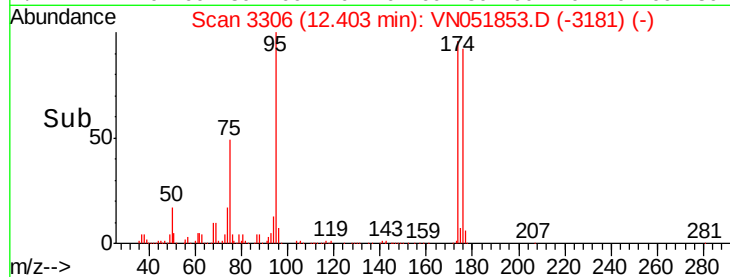
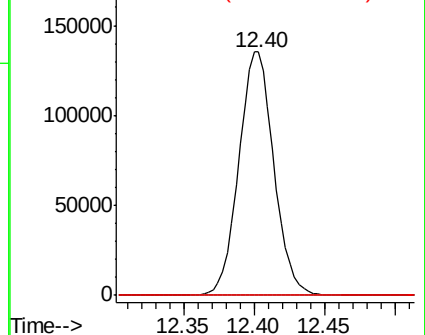
89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051853.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051853.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051853.D (-3181) (-)



#95

Naphthalene

Concen: 4.407 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

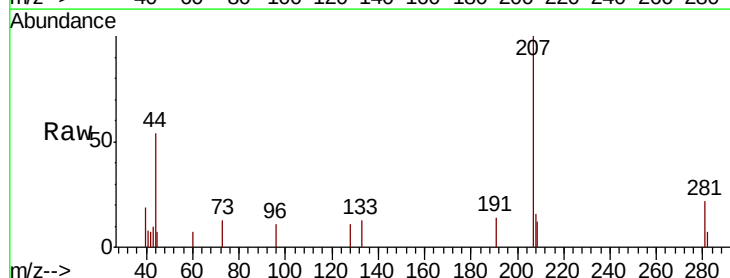
Tgt Ion: 128 Resp: 168

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

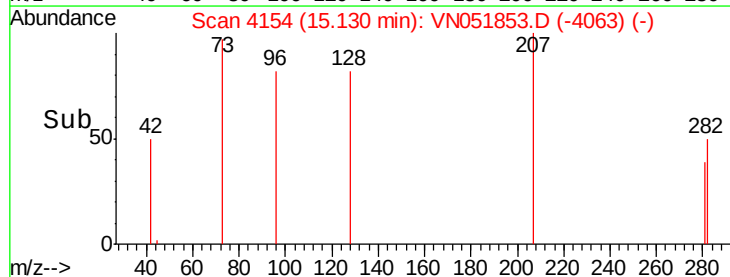
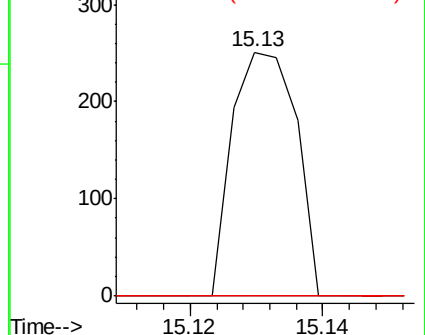
129 0.0 8.7 13.1#

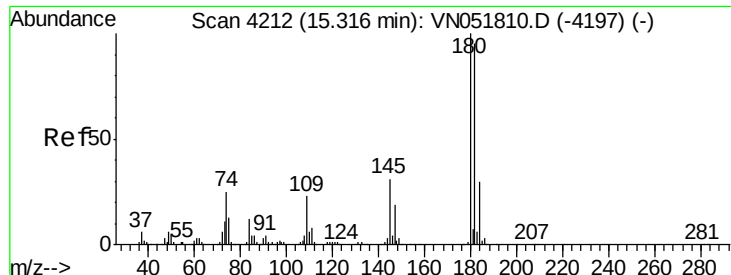


Abundance Ion 128.00 (127.70 to 128.70): VN051853.D (-4063) (-)

Ion 127.00 (126.70 to 127.70): VN051853.D (-4063) (-)

Ion 129.00 (128.70 to 129.70): VN051853.D (-4063) (-)

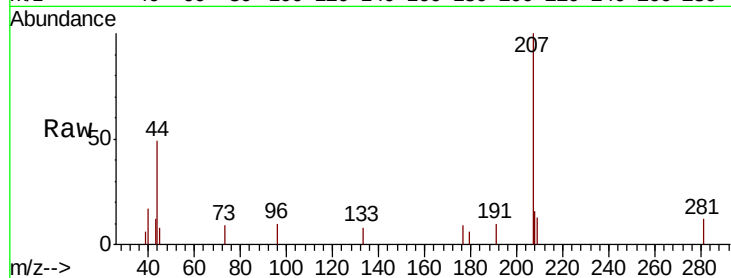




#96
 1,2,3-Trichlorobenzene
 Concen: 2.866 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051853.D
 Acq: 13 Oct 2018 00:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#06

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	0.0	15.2	45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

