

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051847.D
 Acq On : 12 Oct 2018 21:59
 Operator : MD\SY
 Sample : PB113779TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779TB

Quant Time: Oct 13 02:08:54 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	839589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1207178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1046506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365097	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	461557	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
35) Dibromofluoromethane	7.59	113	448597	59.76	ug/l	0.00
Spiked Amount			Recovery	=	119.52%	
50) Toluene-d8	10.09	98	1649317	58.96	ug/l	0.00
Spiked Amount			Recovery	=	117.92%	
62) 4-Bromofluorobenzene	12.40	95	465484	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

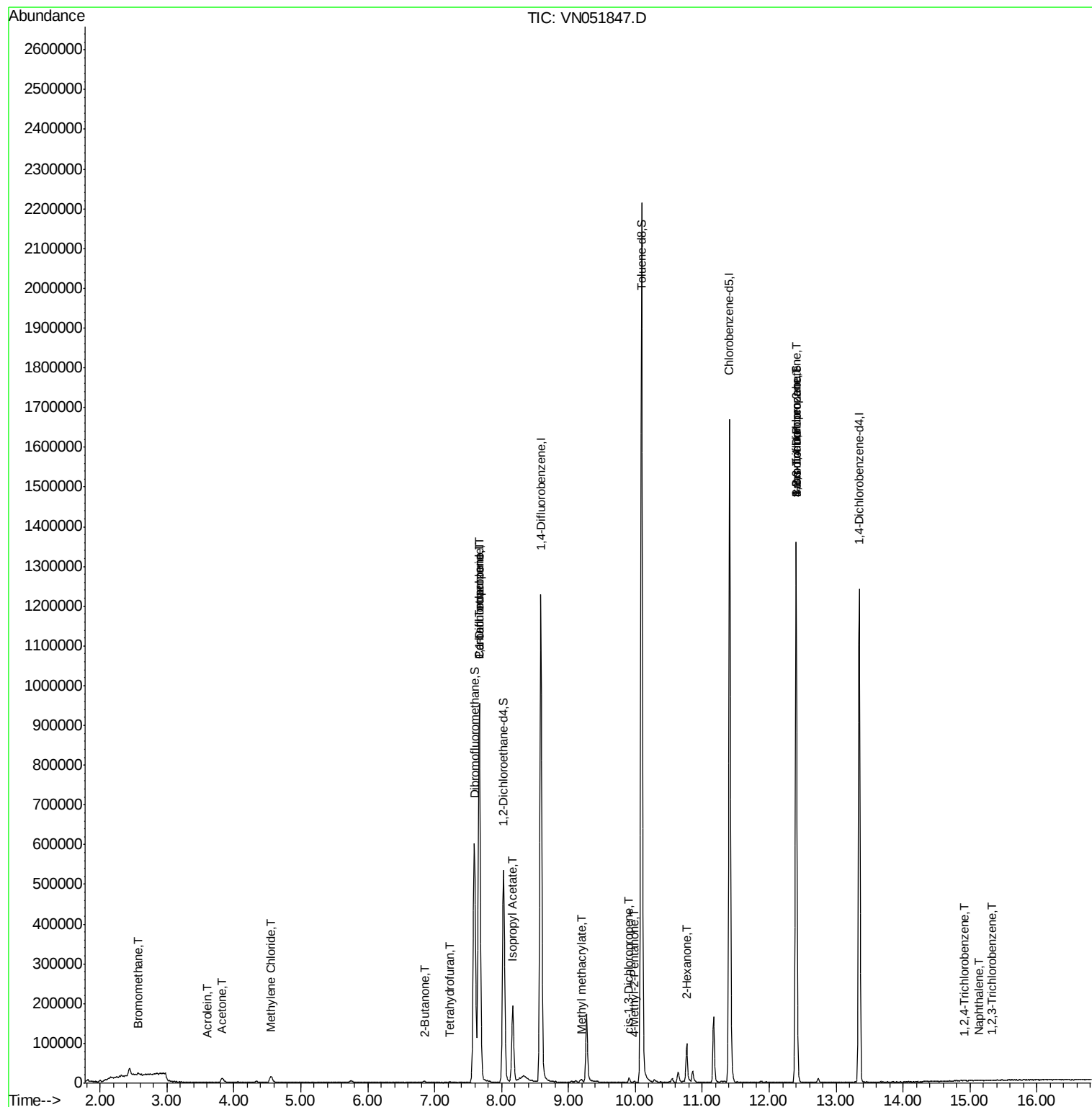
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2969	0.389	ug/l	95
13) Acrolein	3.60	56	29	15.985	ug/l #	62
16) Acetone	3.82	43	17622	10.182	ug/l	99
20) Methylene Chloride	4.56	84	13324	1.860	ug/l #	81
25) 2-Butanone	6.85	43	991	0.405	ug/l #	79
29) Tetrahydrofuran	7.22	42	1191	0.817	ug/l #	72
31) Cyclohexane	7.67	56	13943	Below Cal	#	4
36) 1,1-Dichloropropene	7.66	75	53102	5.434	ug/l #	50
38) Carbon Tetrachloride	7.67	117	76942	6.792	ug/l #	15
43) Isopropyl Acetate	8.17	43	217871	21.441	ug/l #	97
48) Methyl methacrylate	9.18	41	4771	1.067	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1187	0.228	ug/l #	76
54) cis-1,3-Dichloropropene	9.90	75	2482	0.222	ug/l #	70
59) 2-Hexanone	10.77	43	12708	3.474	ug/l #	56
71) Bromoform	12.41	173	3598	4.105	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	238581	52.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	238581	150.482	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	402	3.715	ug/l #	86
95) Naphthalene	15.13	128	735	4.446	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.33	180	132	2.878	ug/l #	84

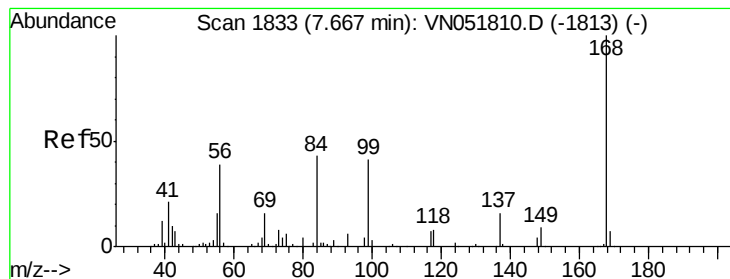
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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# 1833

Delta R.T. 0.00 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

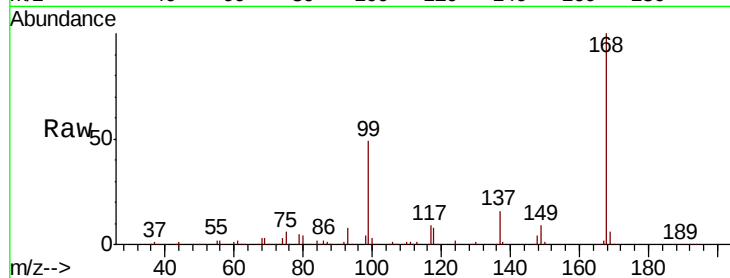
PB113779TB

Tot Ion:168 Resp: 839589

Ion Ratio Lower Upper

168 100

99 49.3 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

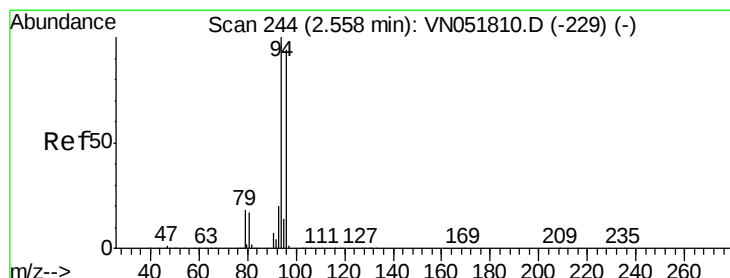
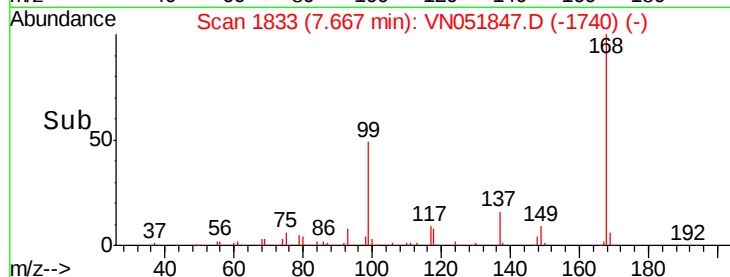
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.389 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051847.D

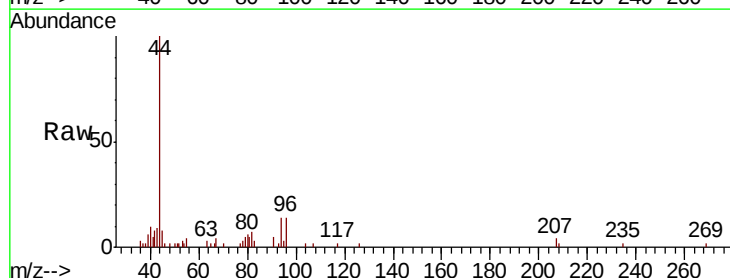
Acq: 12 Oct 2018 21:59

Tgt Ion: 94 Resp: 2969

Ion Ratio Lower Upper

94 100

96 100.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

2.57

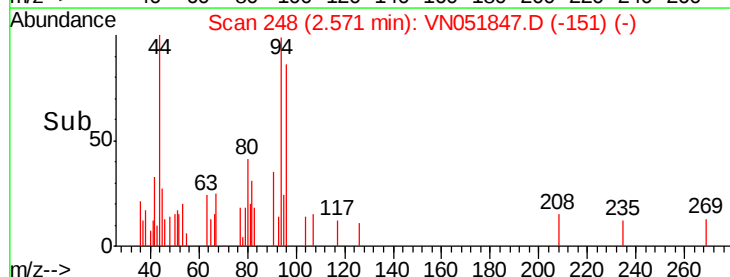
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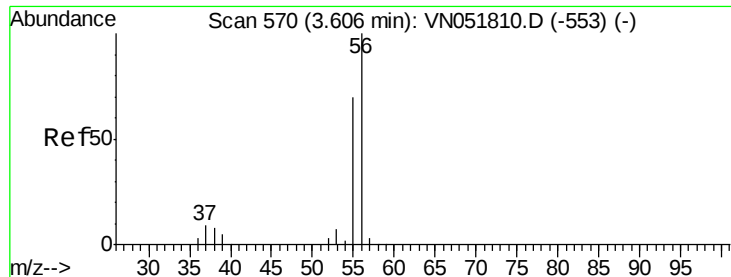
1000

500

0

Time-->





#13

Acrolein

Concen: 15.985 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

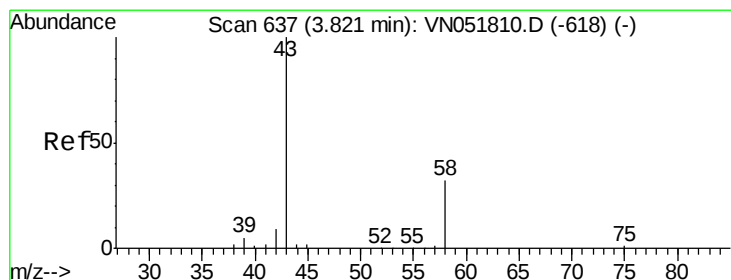
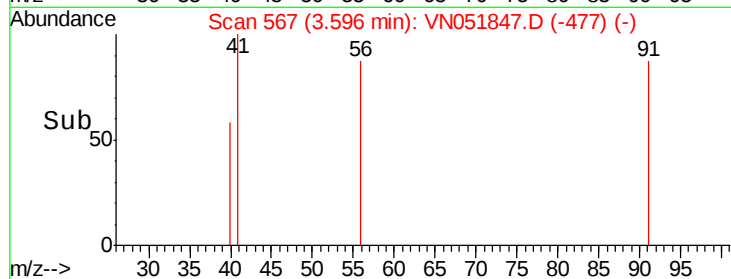
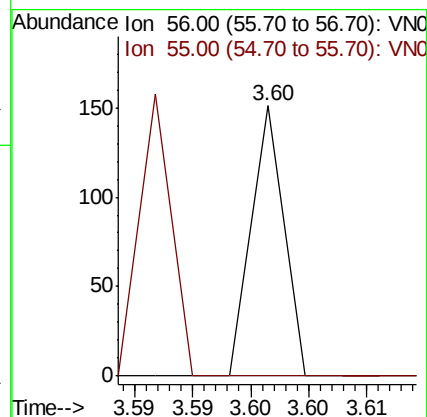
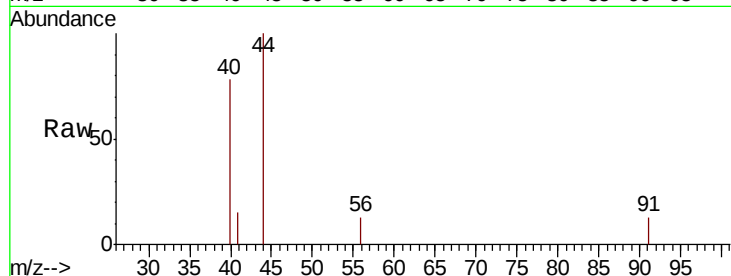
PB113779TB

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 103.4 57.7 86.5#



#16

Acetone

Concen: 10.182 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051847.D

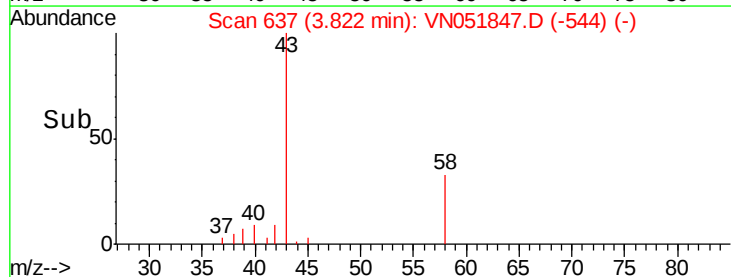
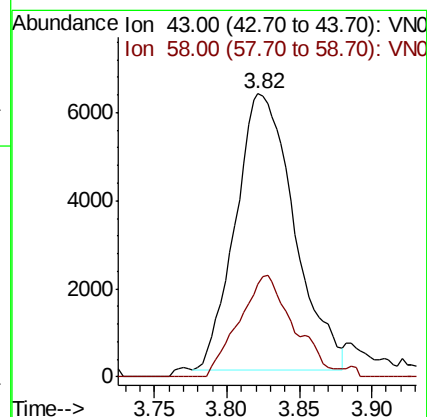
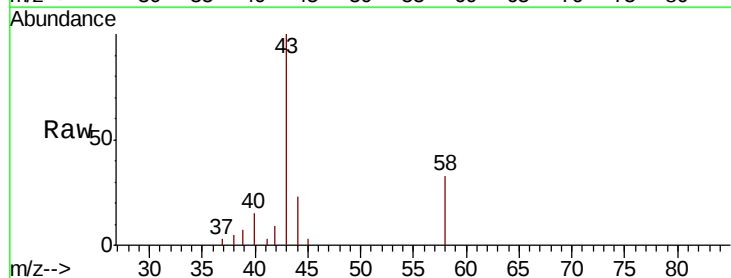
Acq: 12 Oct 2018 21:59

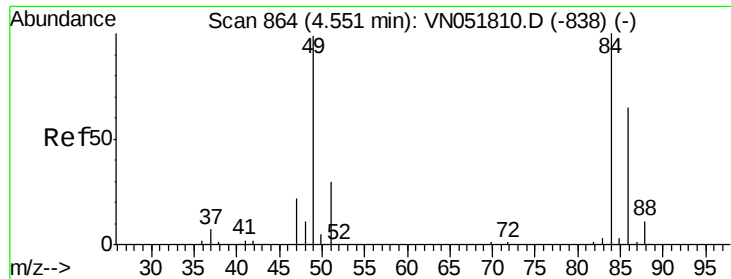
Tgt Ion: 43 Resp: 17622

Ion Ratio Lower Upper

43 100

58 33.4 27.2 40.8

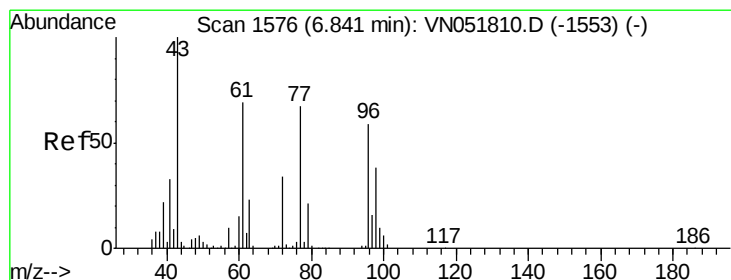
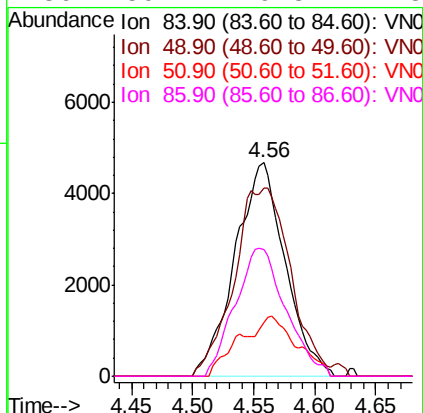
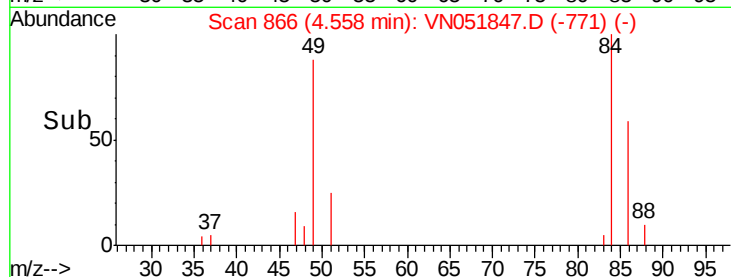
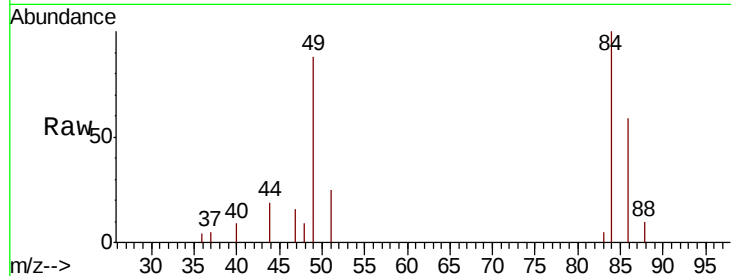




#20
Methvlene Chloride
Concen: 1.860 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

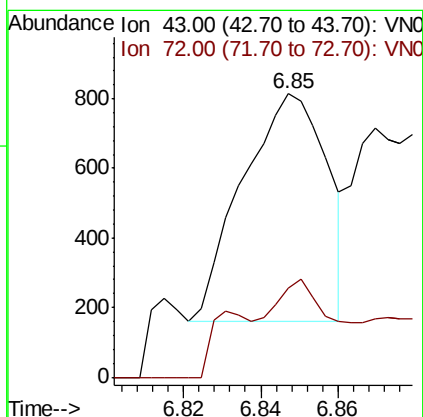
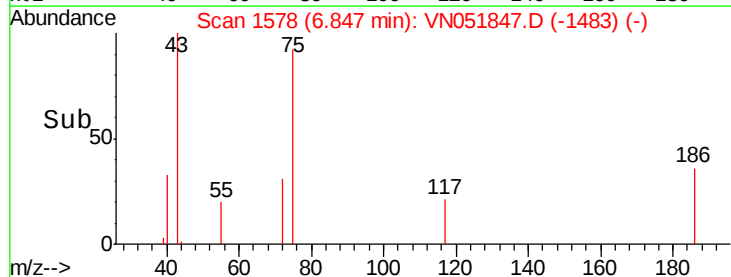
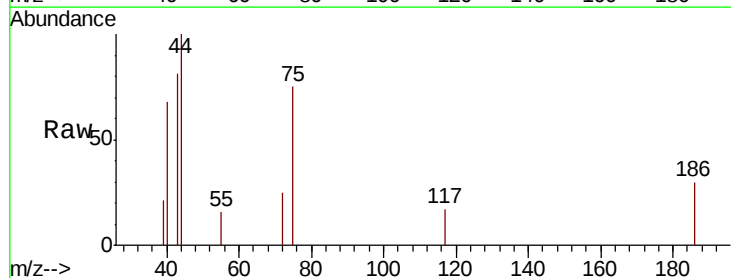
Instrument :
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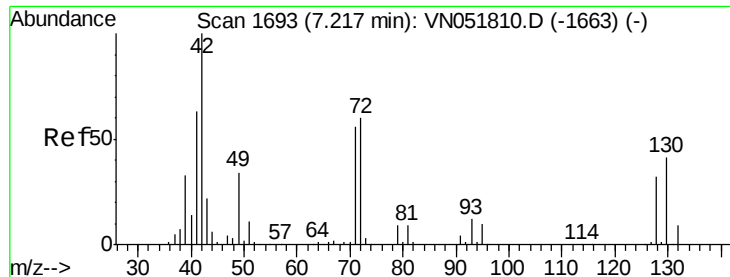
Tot Ion: 84 Resp: 13324
Ion Ratio Lower Upper
84 100
49 87.9 93.2 139.8#
51 25.2 29.0 43.6#
86 59.1 49.8 74.8



#25
2-Butanone
Concen: 0.405 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
72 38.9 22.3 33.5#

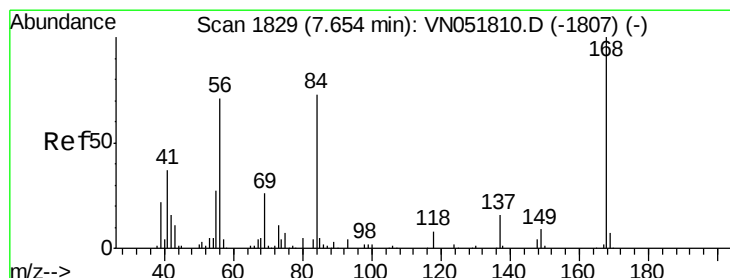
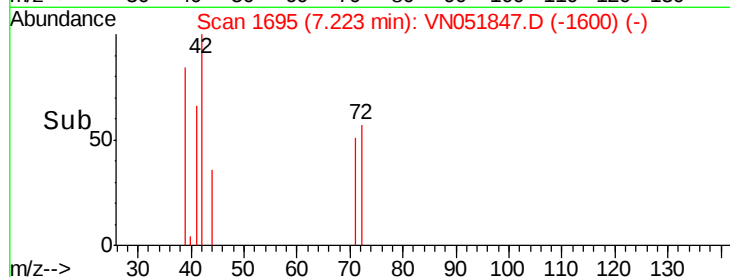
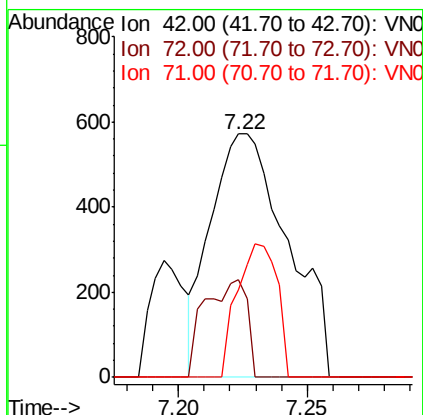
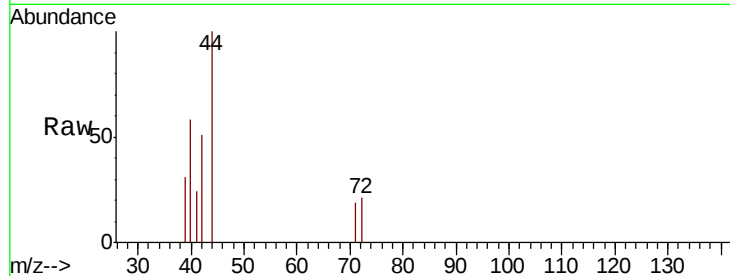




#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

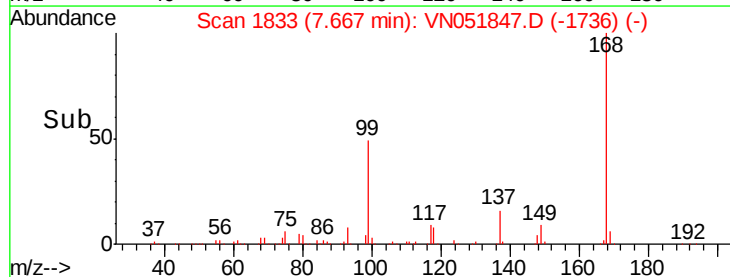
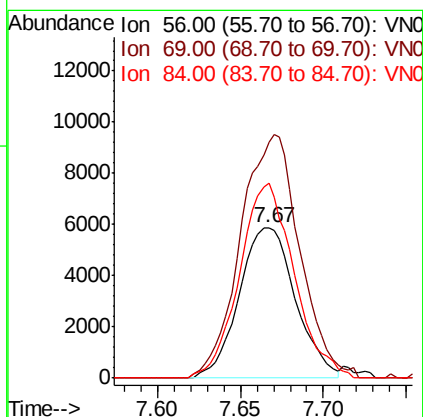
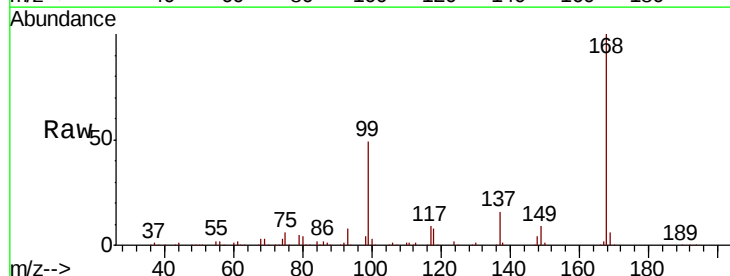
Instrument :
MSVOA_N
ClientSampleId :
PB113779TB

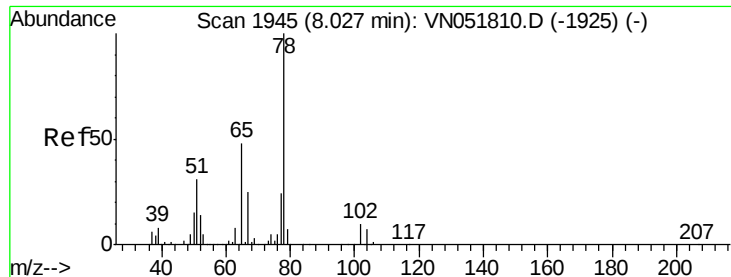
Tot Ion: 42 Resp: 1191
Ion Ratio Lower Upper
42 100
72 21.8 35.5 53.3#
71 28.5 33.7 50.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

Tgt Ion: 56 Resp: 13943
Ion Ratio Lower Upper
56 100
69 156.6 26.2 39.4#
84 129.4 68.3 102.5#

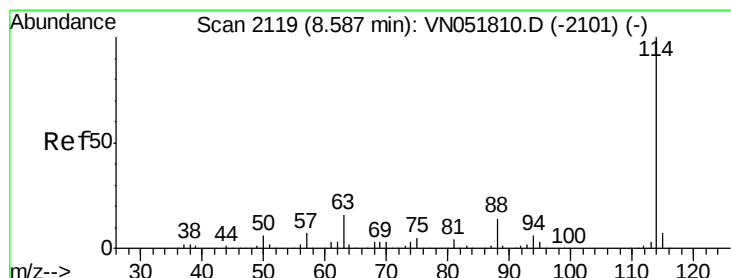
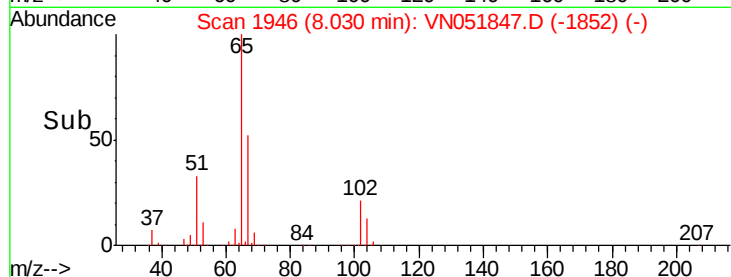
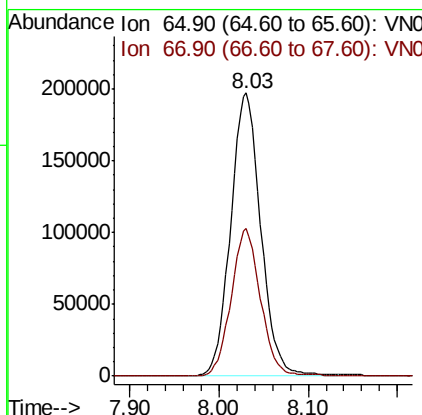
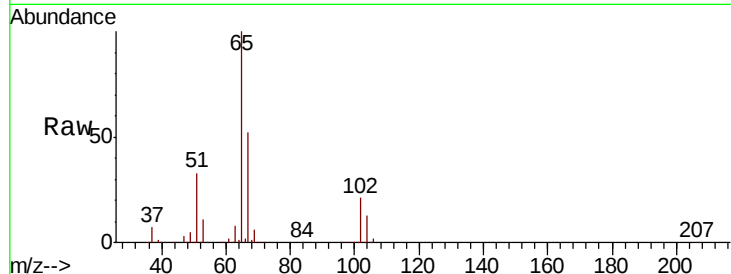




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051847.D
 Acq: 12 Oct 2018 21:59

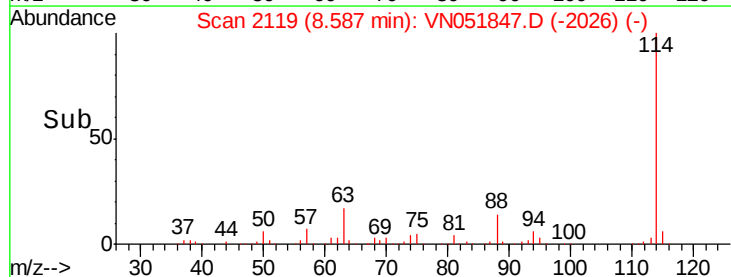
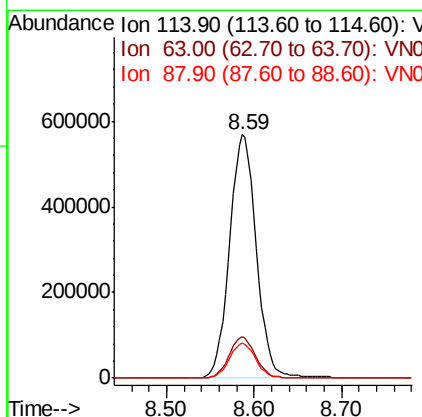
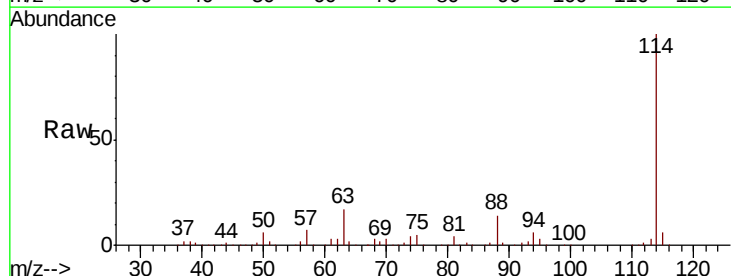
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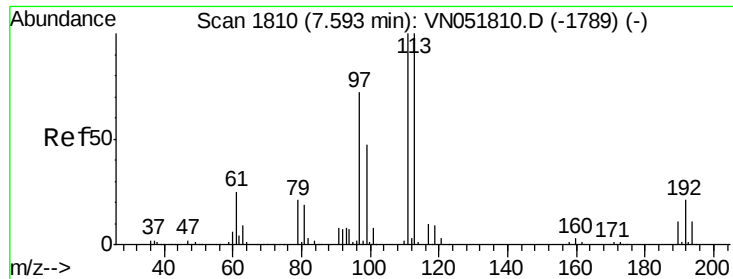
Tot Ion: 65 Resp: 461557
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051847.D
 Acq: 12 Oct 2018 21:59

Tgt Ion: 114 Resp: 1207178
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 38.6
 88 14.1 0.0 30.6

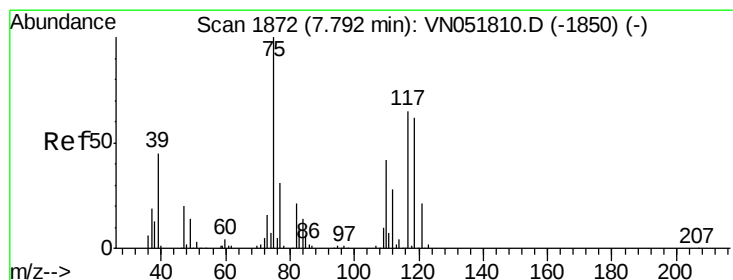
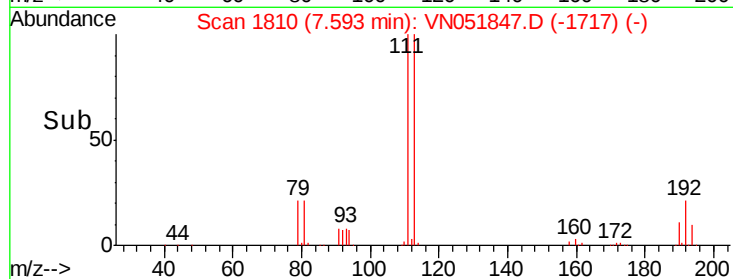
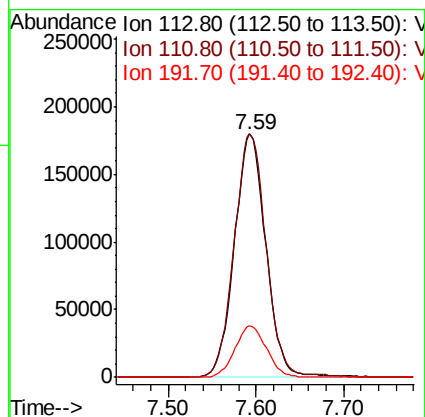
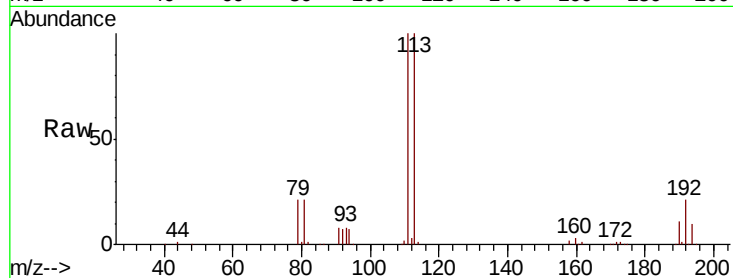




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051847.D
 Acq: 12 Oct 2018 21:59

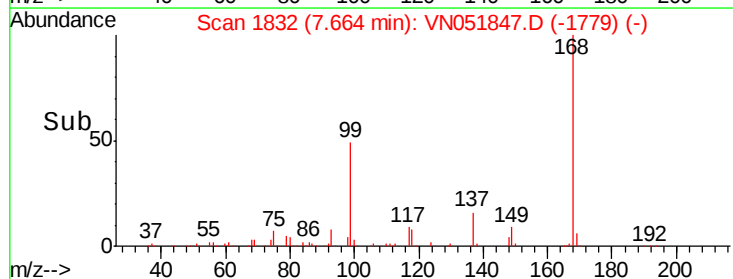
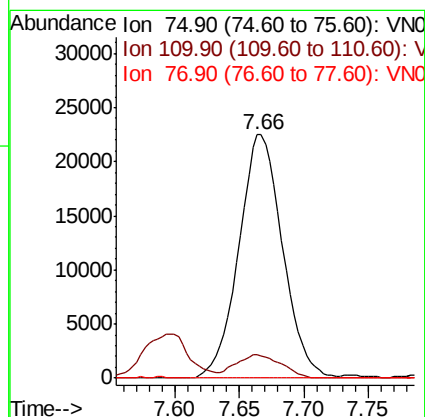
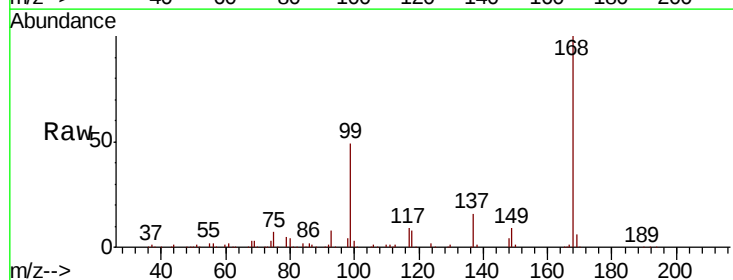
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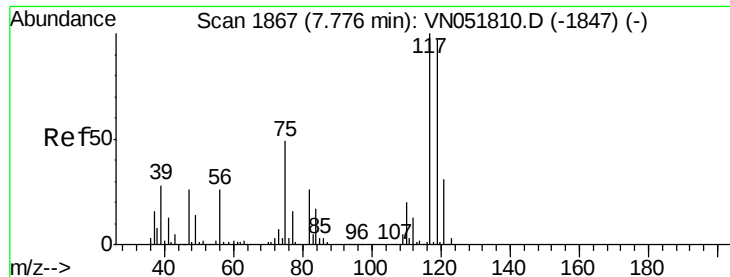
Tot Ion:113 Resp: 448597
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 21.4 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.434 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051847.D
 Acq: 12 Oct 2018 21:59

Tgt Ion: 75 Resp: 53102
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.792 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampled :

PB113779TB

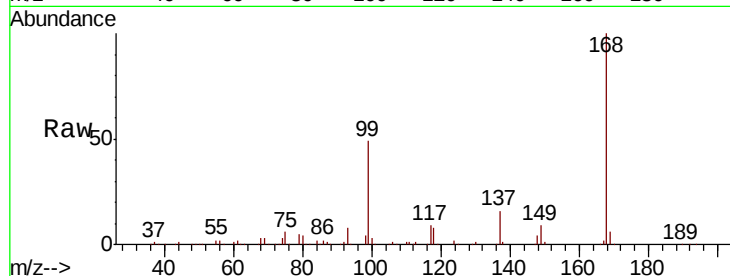
Tot Ion:117 Resp: 76942

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

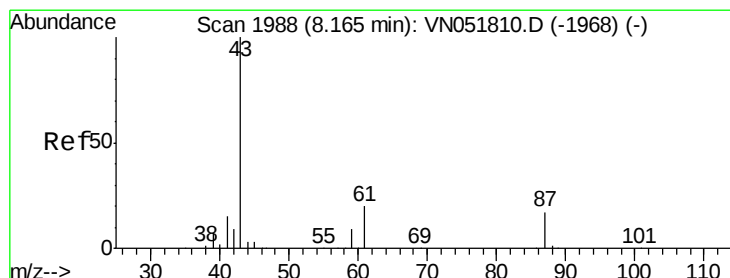
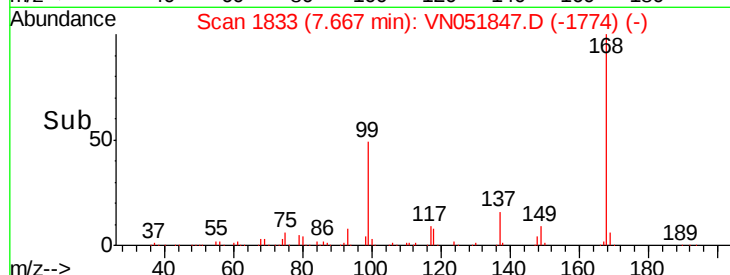
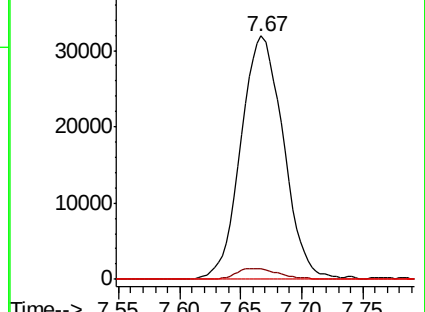
121 0.0 24.6 36.8#



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: 21.441 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

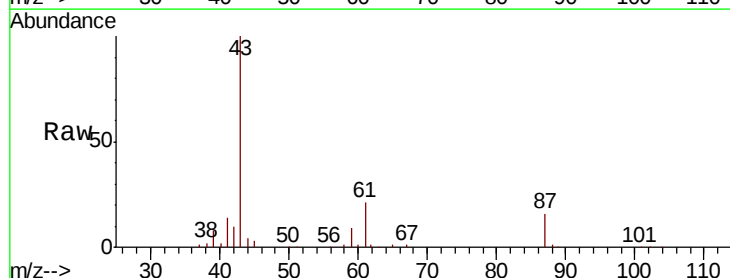
Tgt Ion: 43 Resp: 217871

Ion Ratio Lower Upper

43 100

61 21.8 17.5 26.3

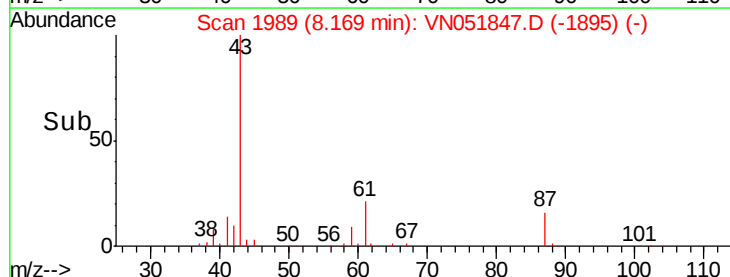
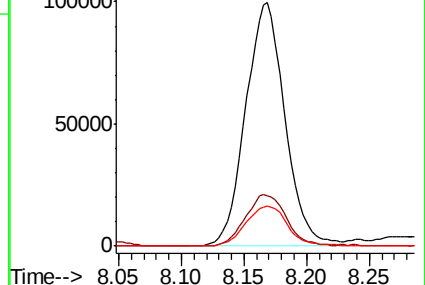
87 17.5 11.3 16.9#

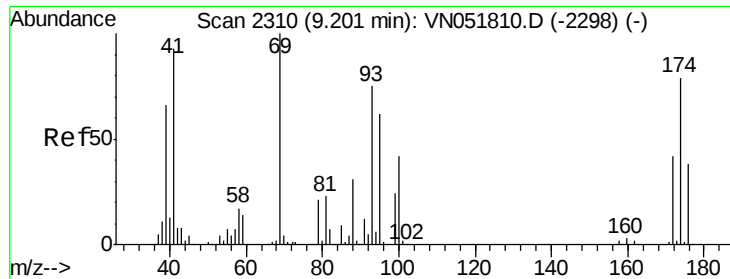


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methyl methacrylate

Concen: 1.067 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

PB113779TB

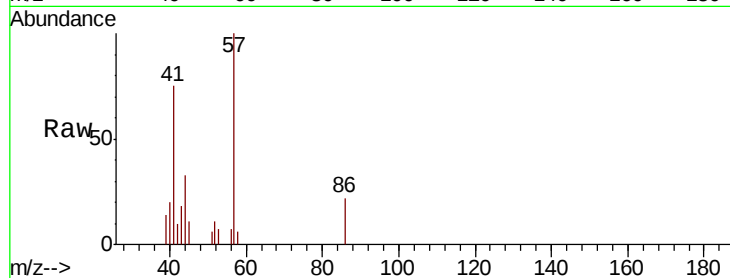
Tot Ion: 41 Resp: 4771

Ion Ratio Lower Upper

41 100

69 1.4 74.7 112.1#

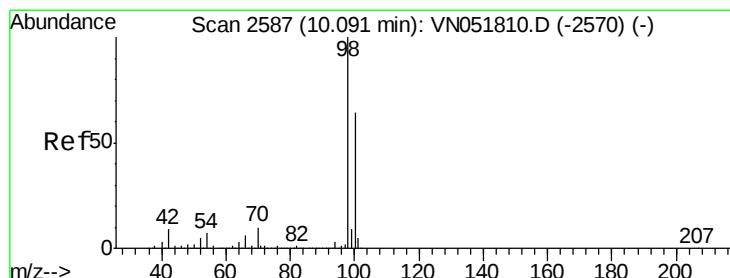
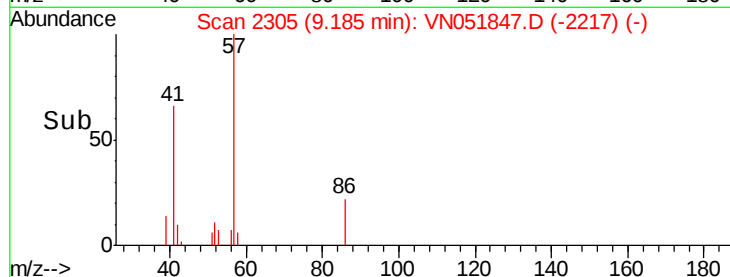
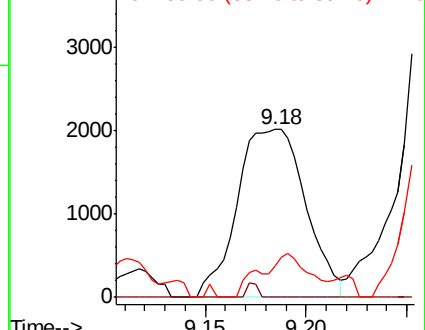
39 8.8 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN051810.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051810.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051810.D (-2298) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051847.D

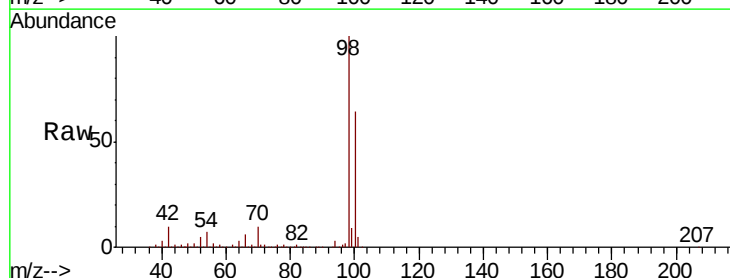
Acq: 12 Oct 2018 21:59

Tgt Ion: 98 Resp: 1649317

Ion Ratio Lower Upper

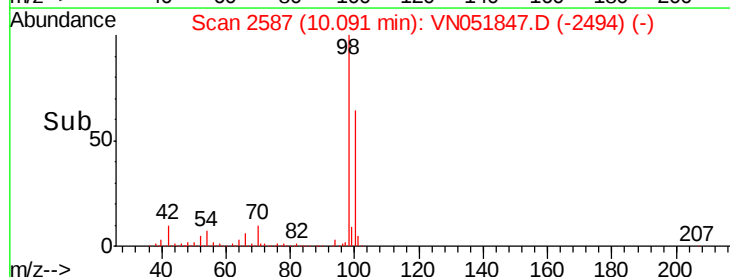
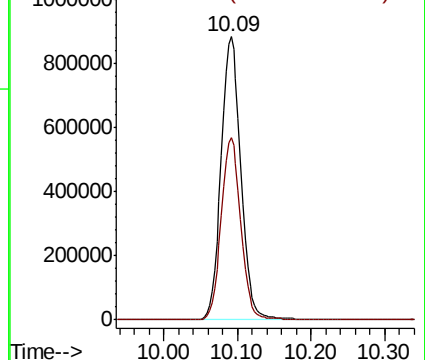
98 100

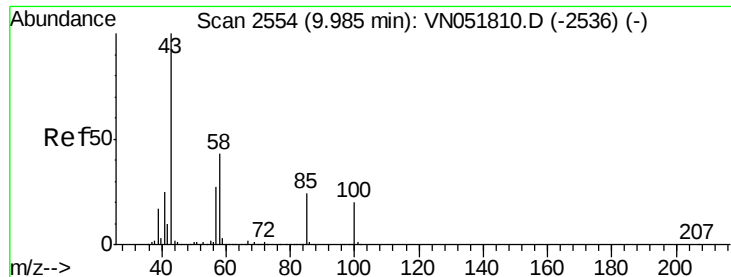
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051810.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051810.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.228 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampled :

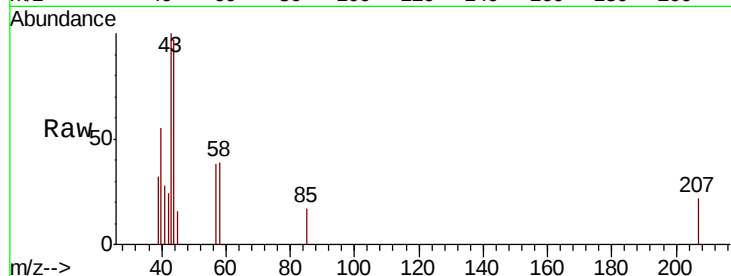
PB113779TB

Tot Ion: 43 Resp: 1187

Ion Ratio Lower Upper

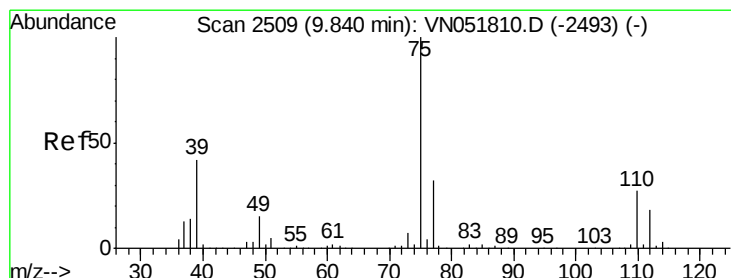
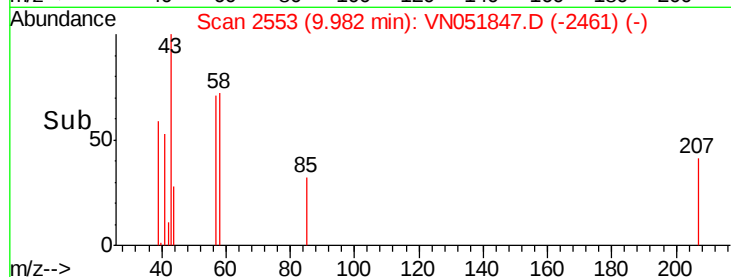
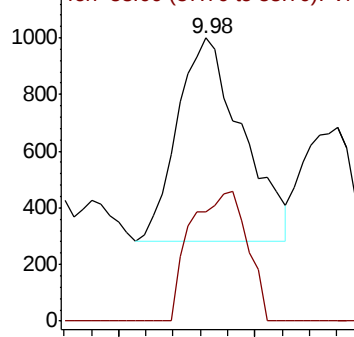
43 100

58 55.7 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.222 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

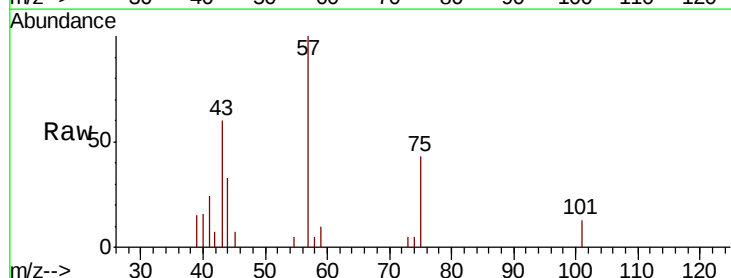
Tgt Ion: 75 Resp: 2482

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

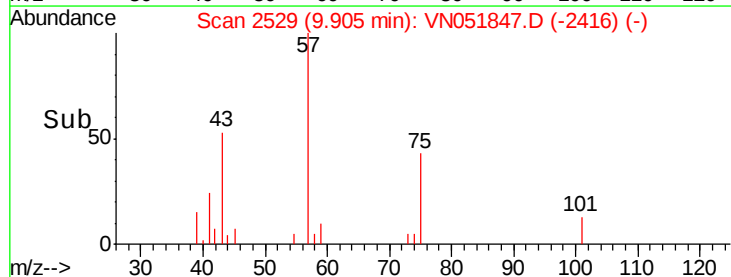
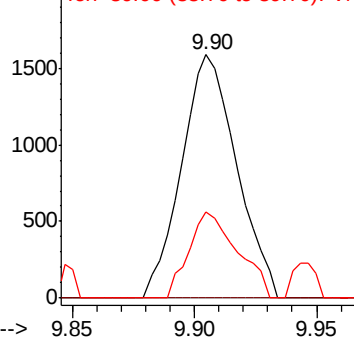
39 35.2 33.0 49.4

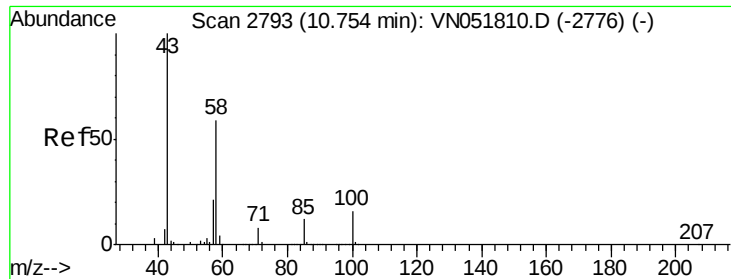


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

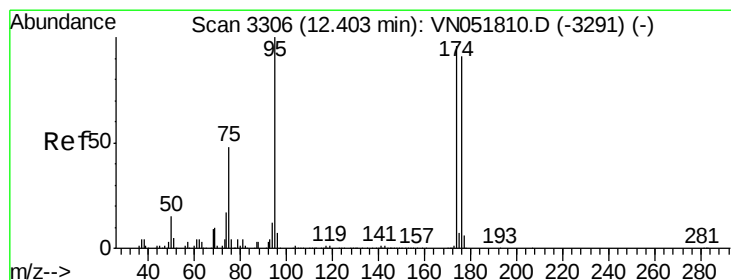
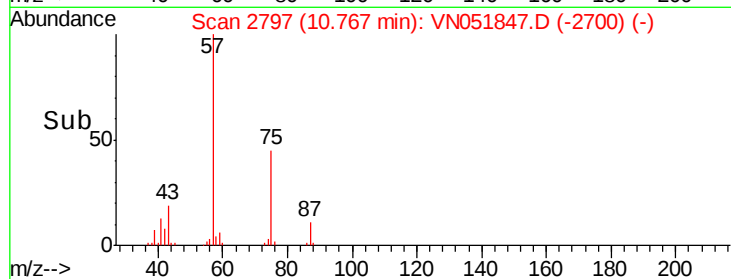
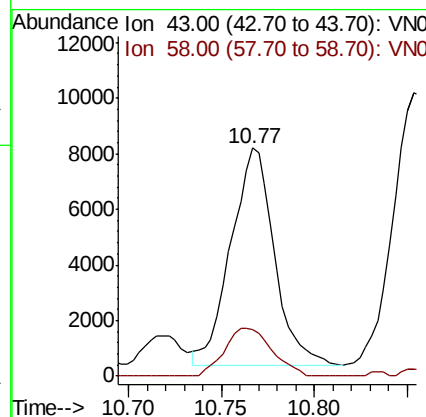
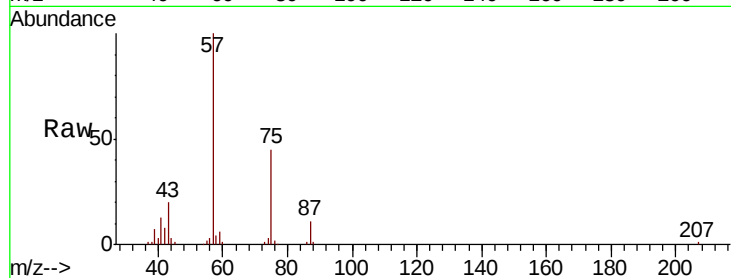




#59
2-Hexanone
Concen: 3.474 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

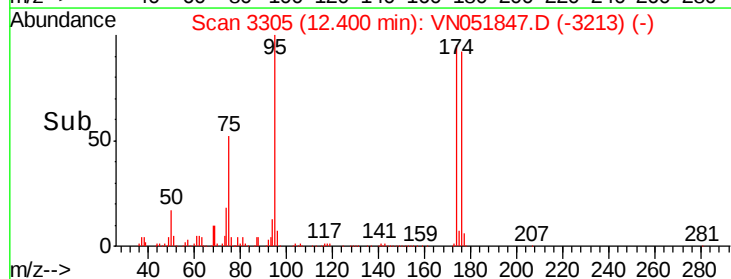
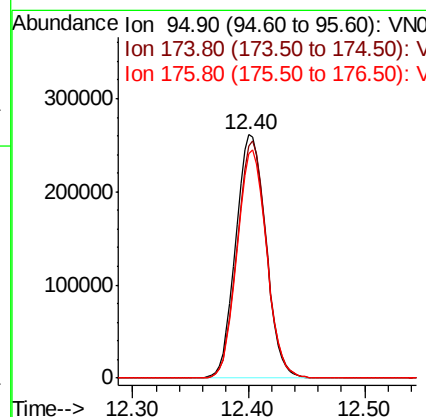
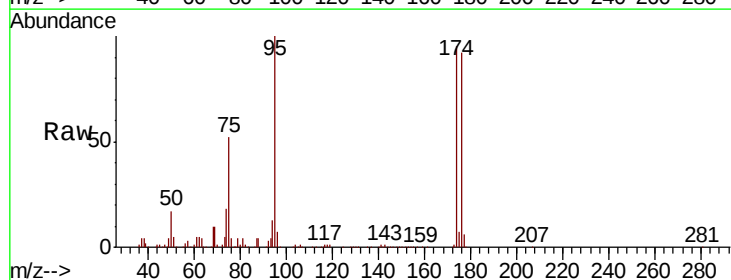
Instrument :
MSVOA_N
ClientSampleId :
PB113779TB

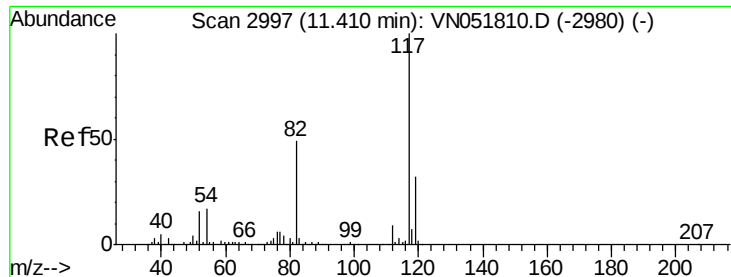
Tot Ion: 43 Resp: 12708
Ion Ratio Lower Upper
43 100
58 24.2 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

Tgt Ion: 95 Resp: 465484
Ion Ratio Lower Upper
95 100
174 95.5 0.0 183.0
176 92.2 0.0 178.8

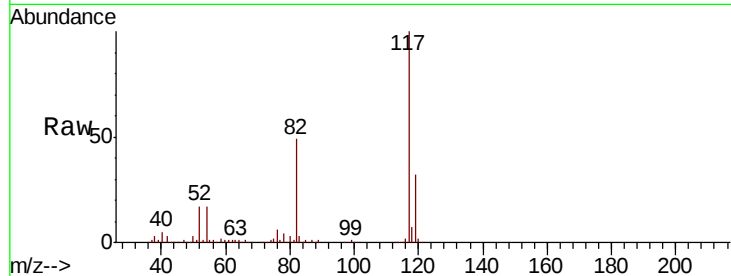




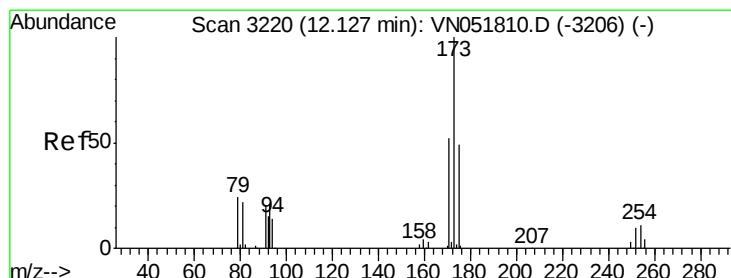
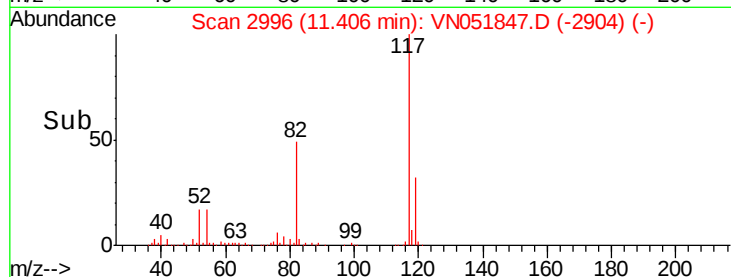
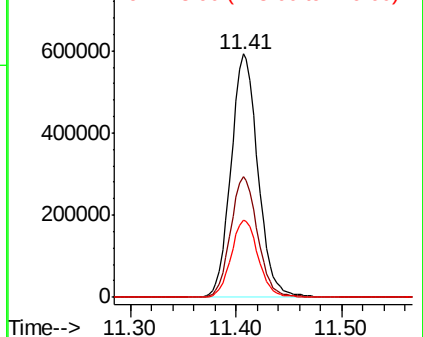
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
PB113779TB

Tot Ion:117 Resp: 1046506
Ion Ratio Lower Upper
117 100
82 49.4 42.6 64.0
119 31.7 25.8 38.6

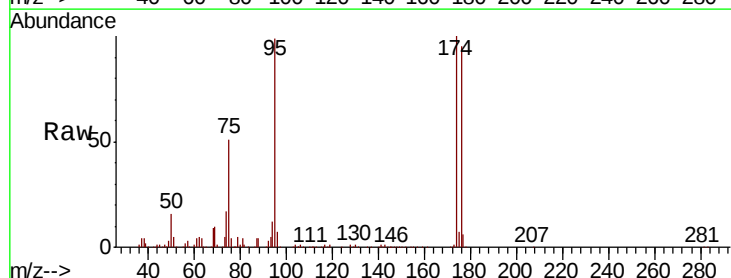


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

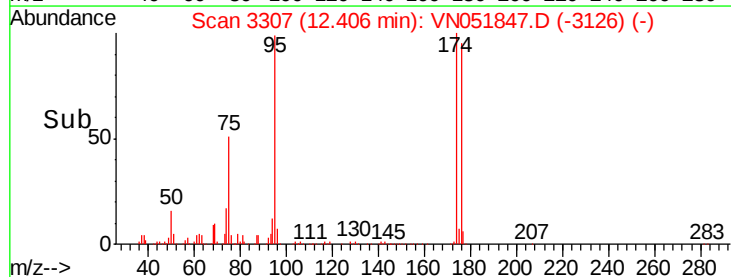
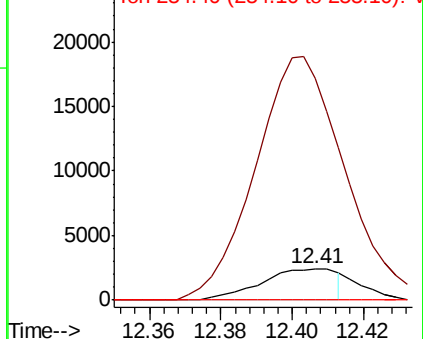


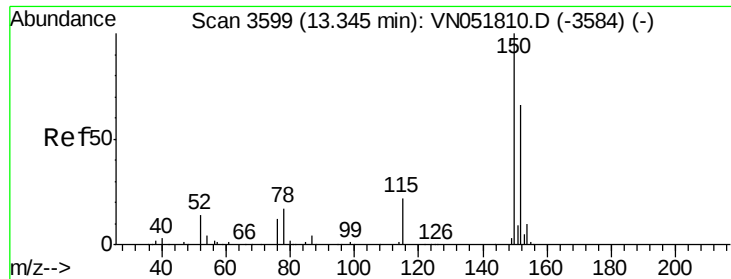
#71
Bromoform
Concen: 4.105 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051847.D
Acq: 12 Oct 2018 21:59

Tgt Ion:173 Resp: 3598
Ion Ratio Lower Upper
173 100
175 763.7 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: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

PB113779TB

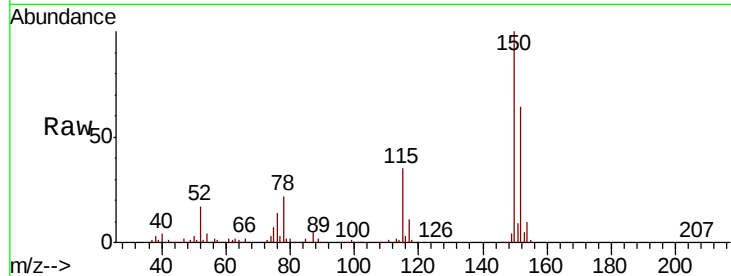
Tot Ion:152 Resp: 365097

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

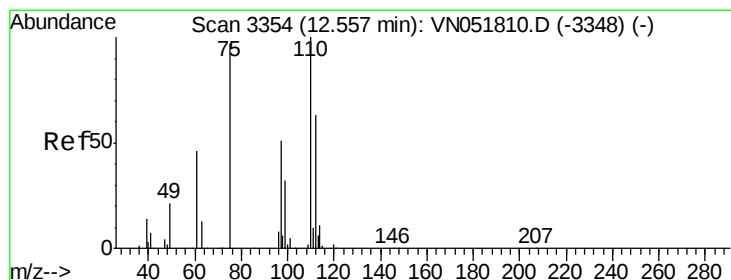
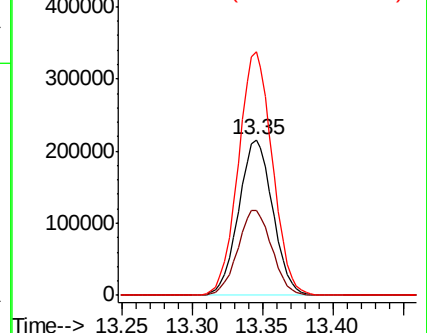
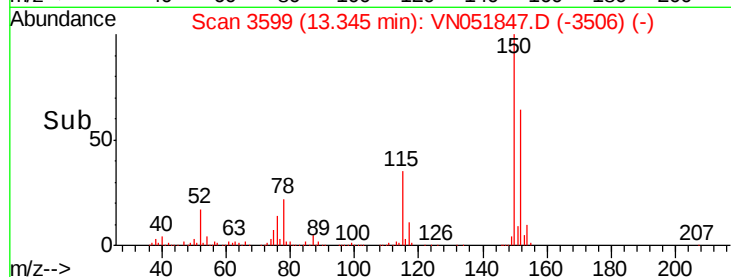
150 156.4 0.0 351.4



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: 52.991 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051847.D

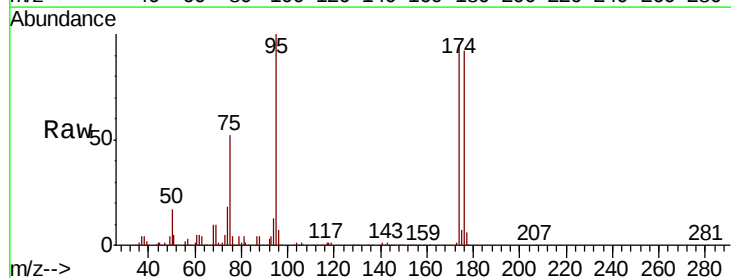
Acq: 12 Oct 2018 21:59

Tgt Ion: 75 Resp: 238581

Ion Ratio Lower Upper

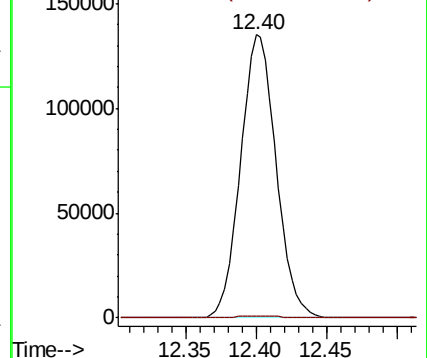
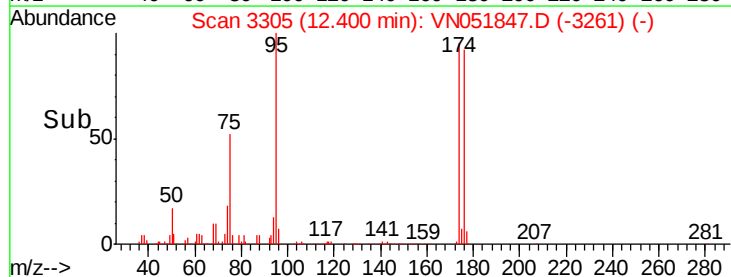
75 100

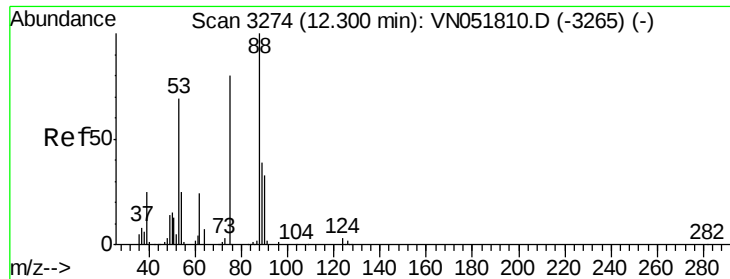
77 0.9 0.0 0.0#



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: 150.482 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

PB113779TB

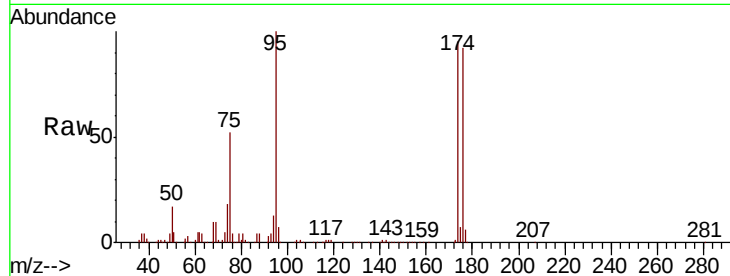
Tot Ion: 75 Resp: 238581

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

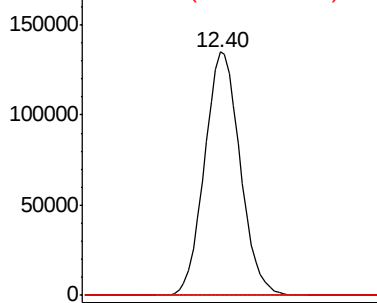
89 0.0 36.1 54.1#



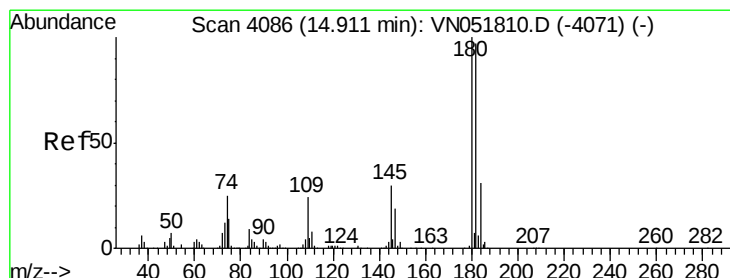
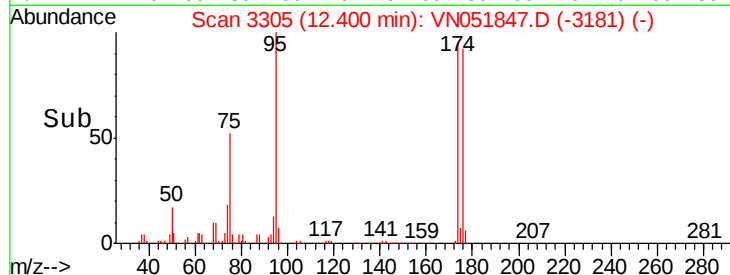
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.715 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

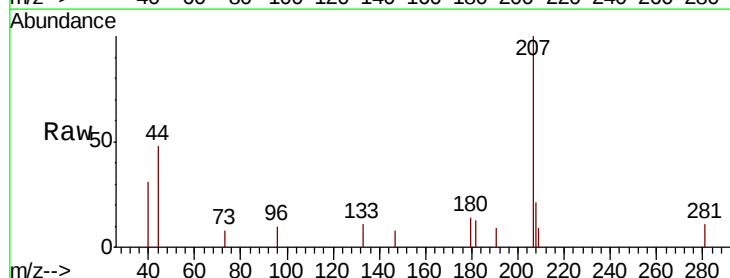
Tgt Ion: 180 Resp: 402

Ion Ratio Lower Upper

180 100

182 94.0 48.2 144.6

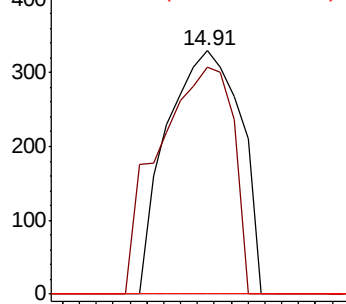
145 0.0 14.1 42.2#



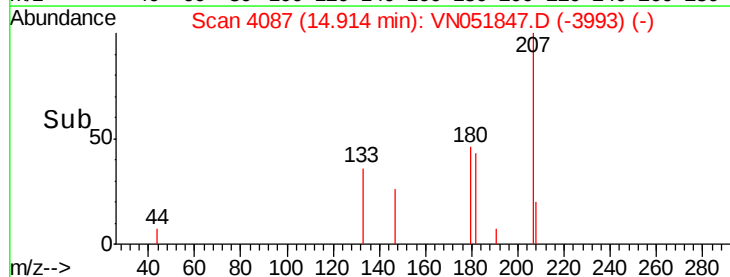
Abundance Ion 179.80 (179.50 to 180.50): V

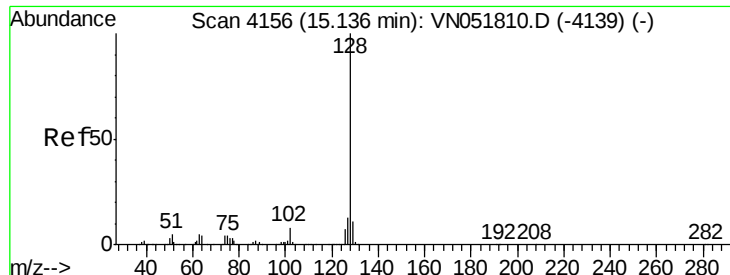
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->





#95

Naphthalene

Concen: 4.446 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

Instrument :

MSVOA_N

ClientSampled :

PB113779TB

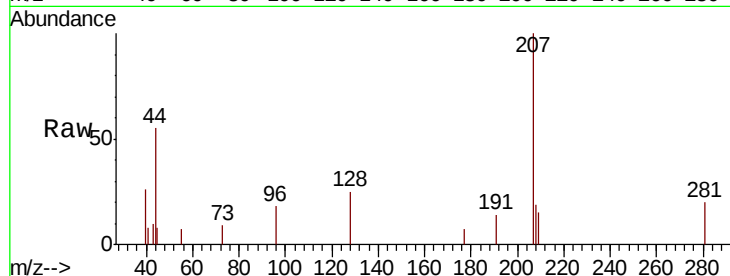
Tot Ion:128 Resp: 735

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

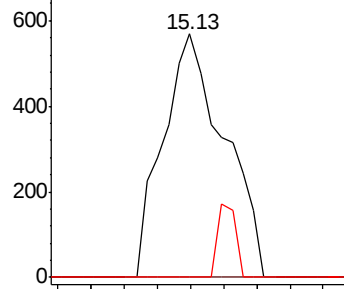
129 8.6 8.7 13.1#



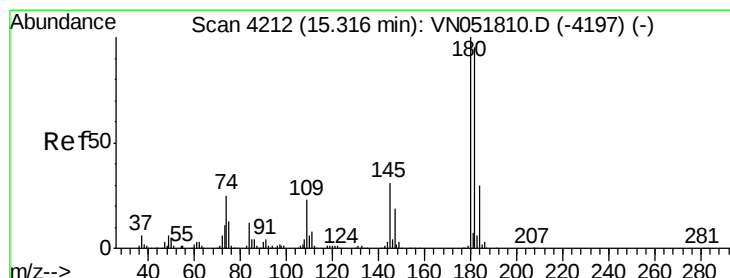
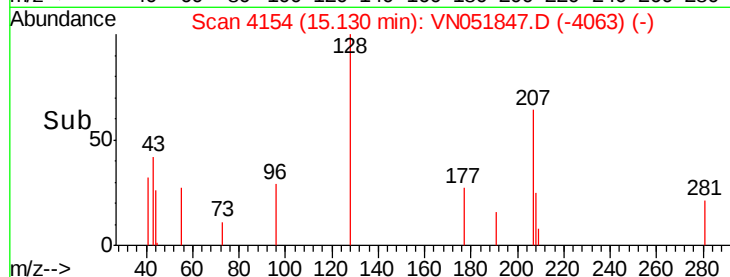
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.878 ug/l

RT: 15.33 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN051847.D

Acq: 12 Oct 2018 21:59

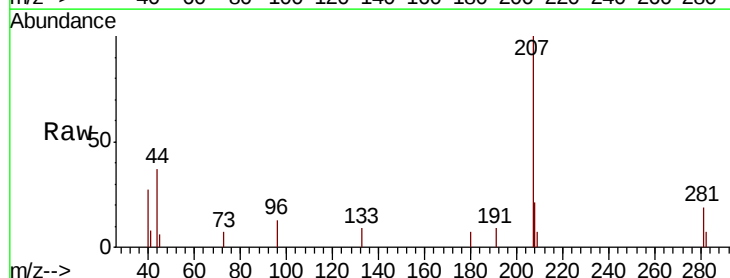
Tgt Ion:180 Resp: 132

Ion Ratio Lower Upper

180 100

182 100.0 48.0 144.2

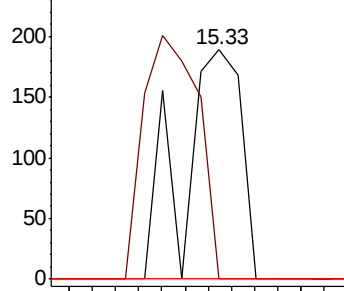
145 0.0 15.2 45.6#



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



Time-->

