

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113018\
 Data File : VN052609.D
 Acq On : 30 Nov 2018 16:14
 Operator : MD\SY
 Sample : PB115186ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#07

Quant Time: Dec 01 01:02:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1197294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1880097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1635782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	618644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	634730	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.59	113	575717	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.09	98	2291793	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	713106	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

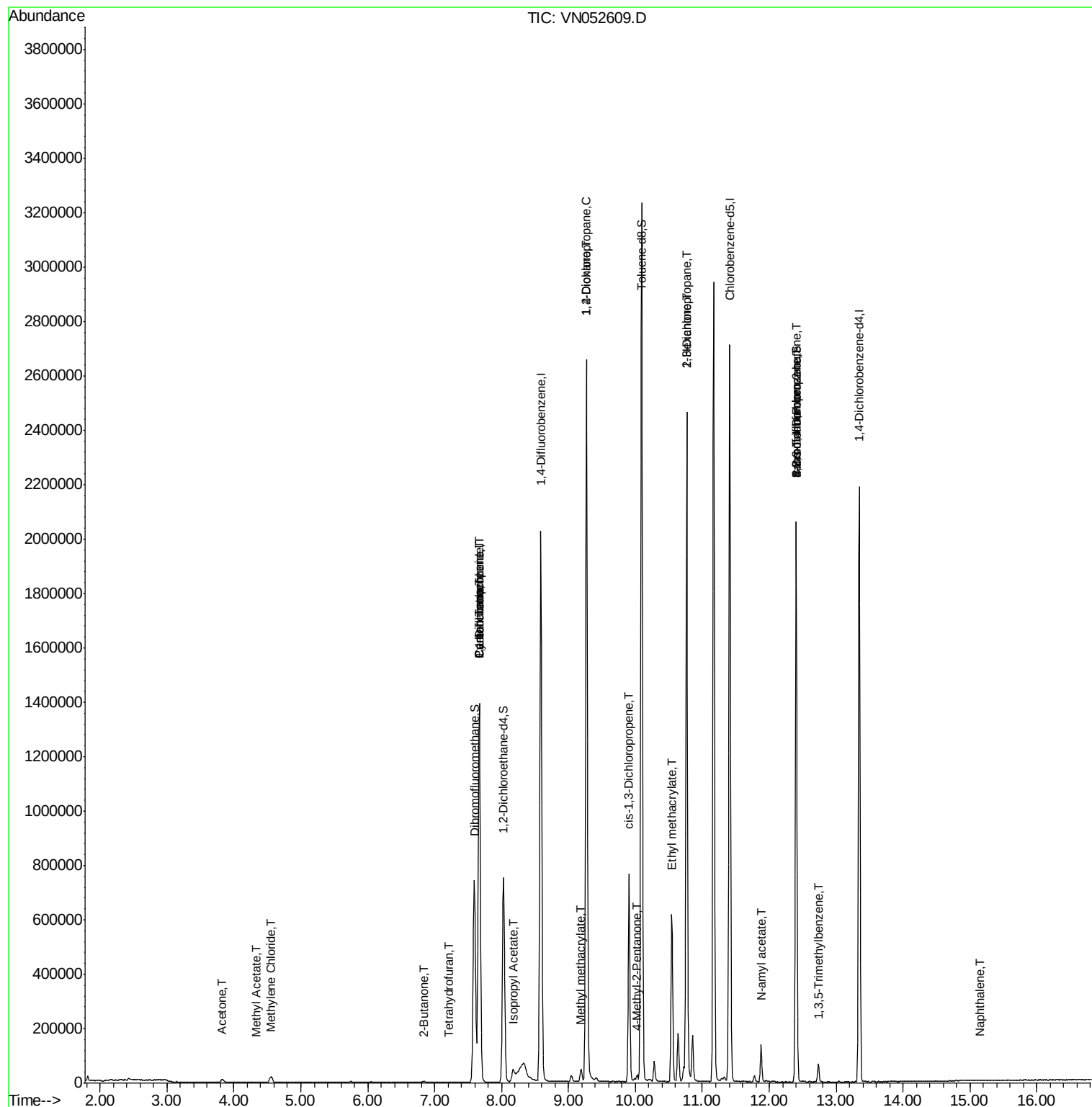
						Qvalue
16) Acetone	3.82	43	19371	5.634	ug/l	93
18) Methyl Acetate	4.33	43	4421	0.448	ug/l	92
20) Methylene Chloride	4.56	84	16453	1.223	ug/l	96
25) 2-Butanone	6.85	43	3173	0.651	ug/l #	85
29) Tetrahydrofuran	7.21	42	1831	0.582	ug/l #	39
31) Cyclohexane	7.67	56	20942	0.572	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82343	4.638	ug/l #	49
38) Carbon Tetrachloride	7.67	117	109168	6.792	ug/l #	16
43) Isopropyl Acetate	8.17	43	64751	3.531	ug/l #	79
45) 1,2-Dichloropropane	9.27	63	3235	0.230	ug/l #	43
48) Methyl methacrylate	9.18	41	16188	1.693	ug/l #	13
49) 1,4-Dioxane	9.26	88	454	4.575	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	18662	1.814	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	139018	7.122	ug/l #	61
56) Ethyl methacrylate	10.55	69	1757	2.801	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	26366	1.350	ug/l #	43
59) 2-Hexanone	10.77	43	350773	50.801	ug/l #	52
71) Bromoform	12.40	173	4340	0.559	ug/l #	1
74) N-amyl acetate	11.88	43	42106	3.434	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	344959	36.160	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	34594	0.894	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	344959	120.757	ug/l #	11
95) Naphthalene	15.13	128	361	3.443	ug/l #	69

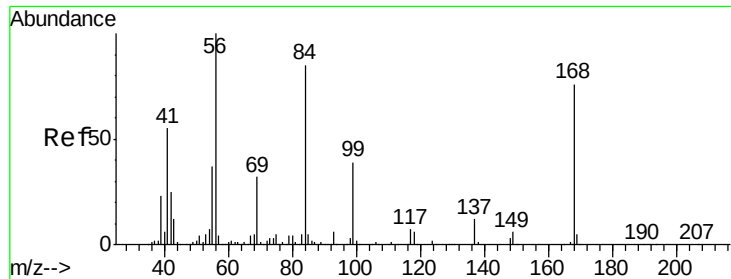
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN052609.D
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Sample : PB115186ZHE#07
Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Dec 01 01:02:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

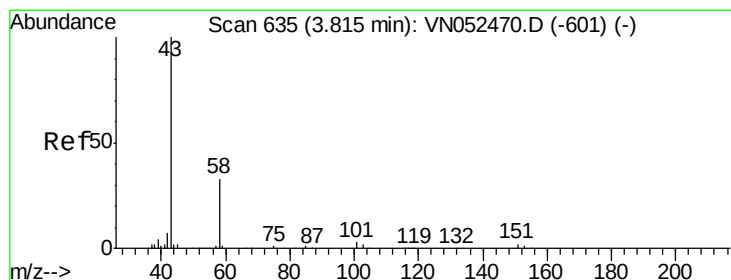
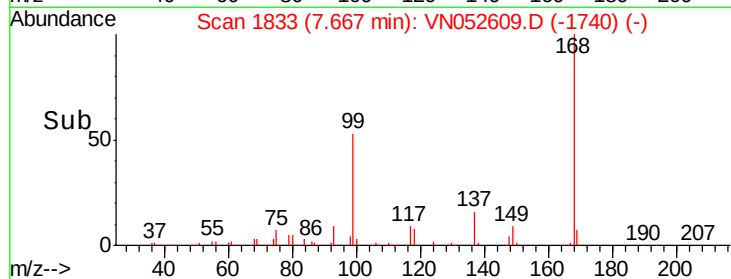
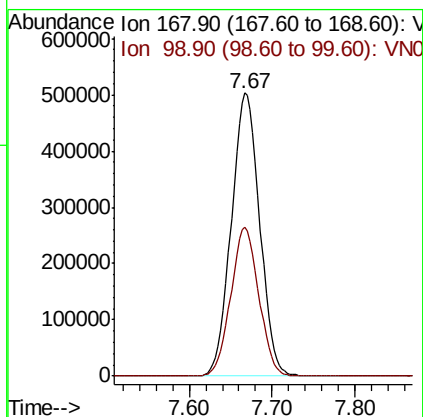
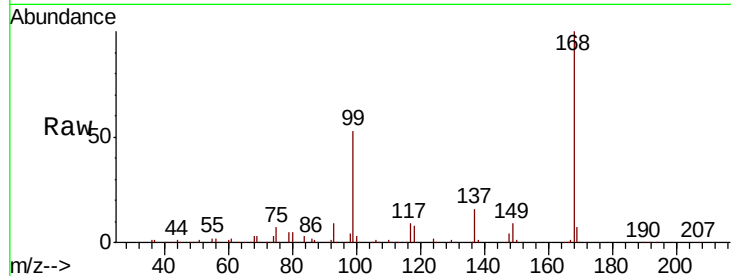




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

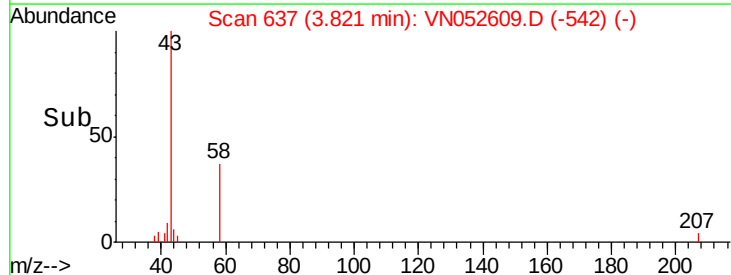
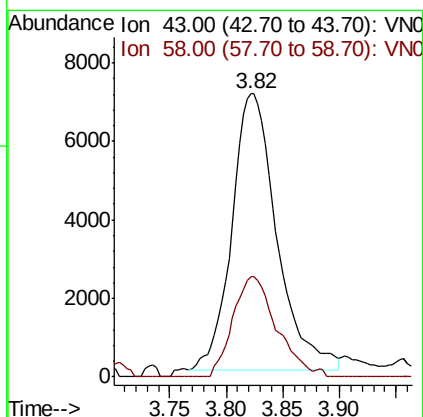
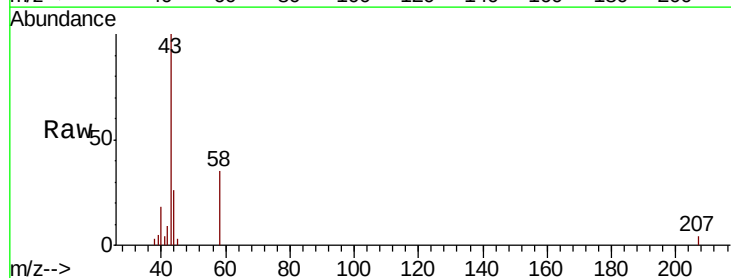
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#07

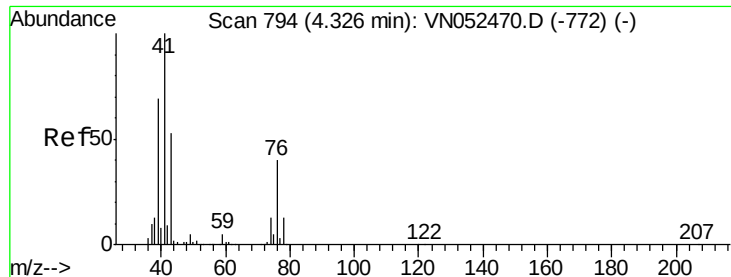
Tot Ion:168 Resp: 1197294
 Ion Ratio Lower Upper
 168 100
 99 52.5 41.7 62.5



#16
 Acetone
 Concen: 5.634 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

Tgt Ion: 43 Resp: 19371
 Ion Ratio Lower Upper
 43 100
 58 36.4 26.0 39.0

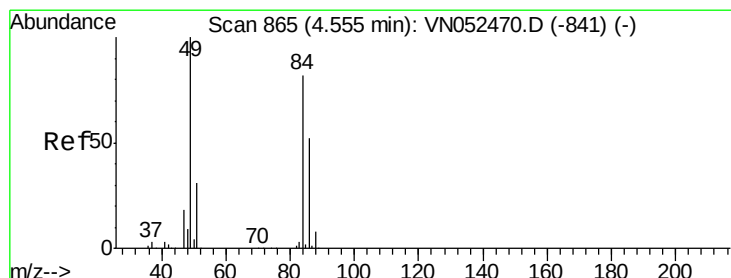
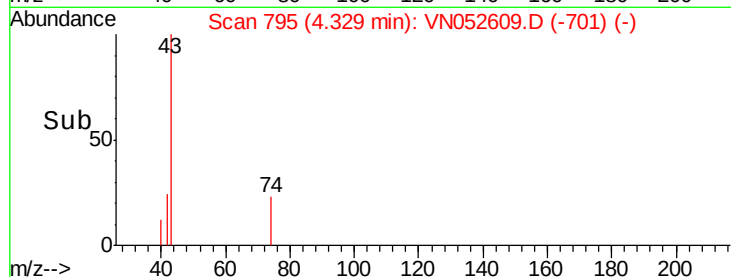
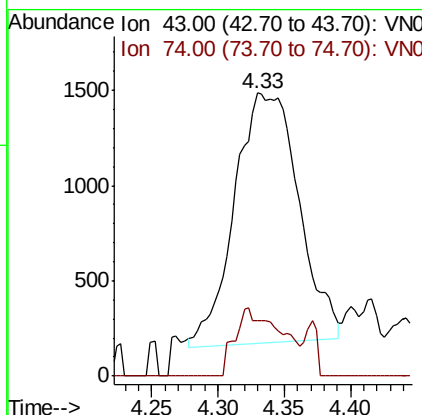
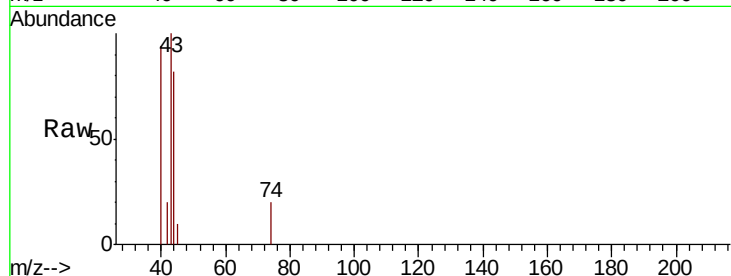




#18
Methyl Acetate
Concen: 0.448 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

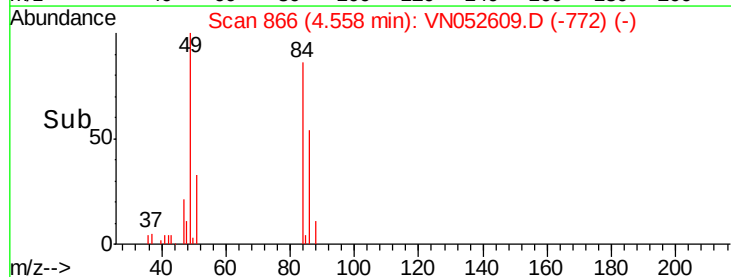
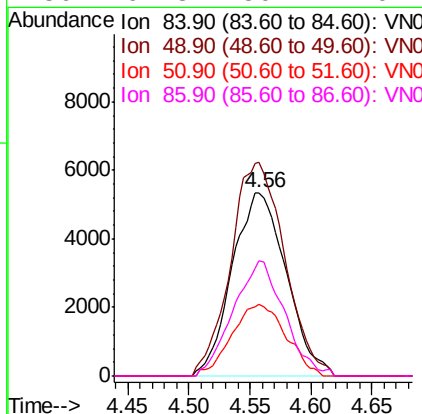
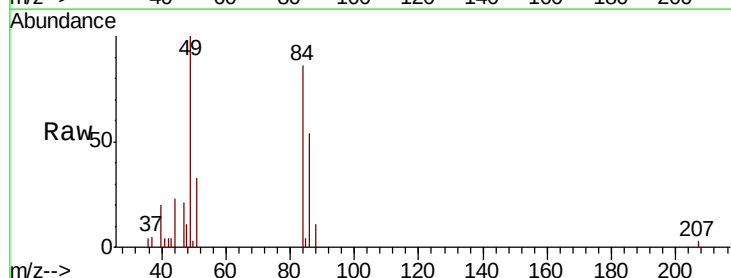
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#07

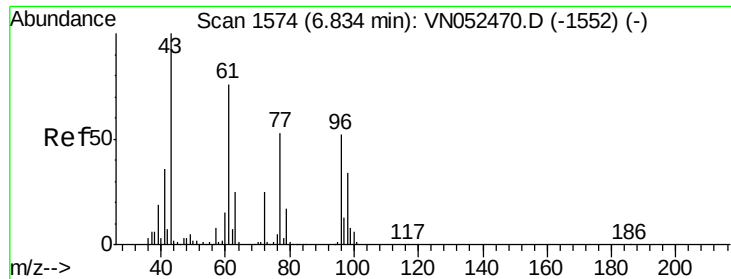
Tot Ion: 43 Resp: 4421
Ion Ratio Lower Upper
43 100
74 19.5 18.6 27.8



#20
Methylene Chloride
Concen: 1.223 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

Tgt Ion: 84 Resp: 16453
Ion Ratio Lower Upper
84 100
49 116.4 98.0 147.0
51 38.8 30.1 45.1
86 62.8 50.7 76.1

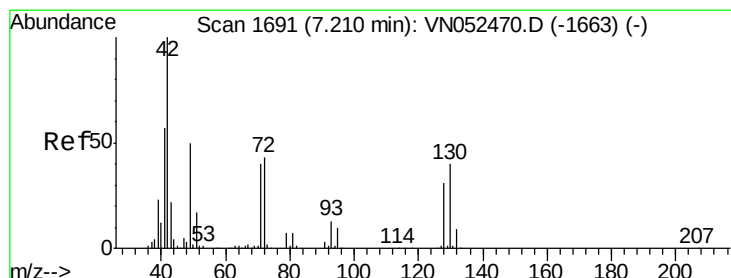
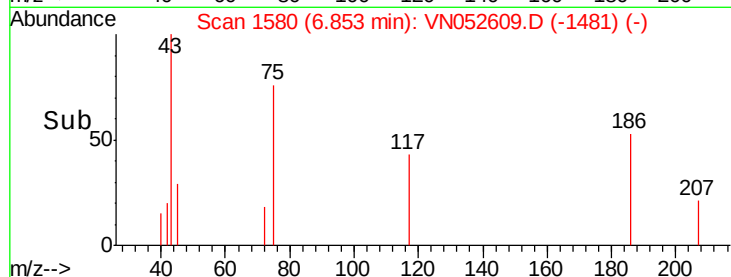
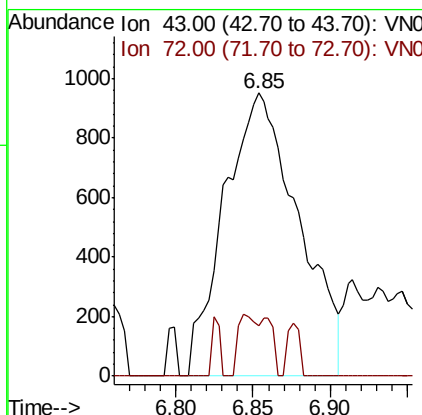
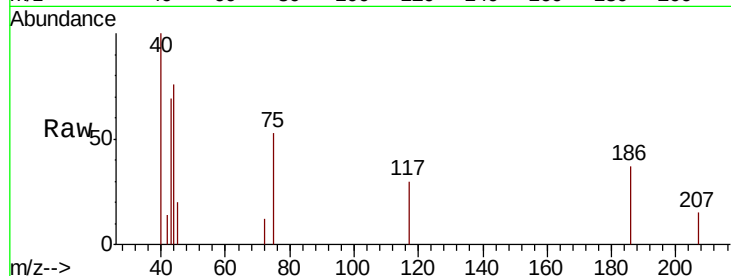




#25
2-Butanone
Concen: 0.651 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

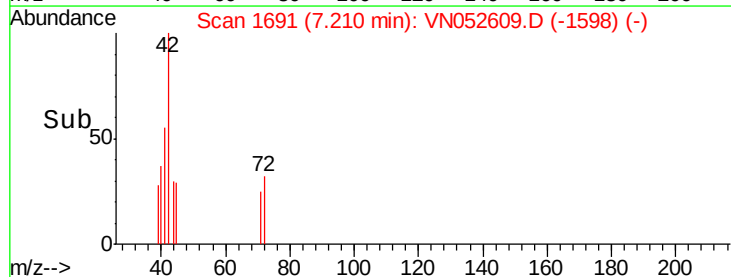
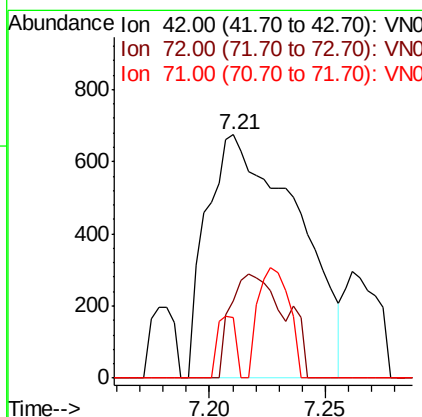
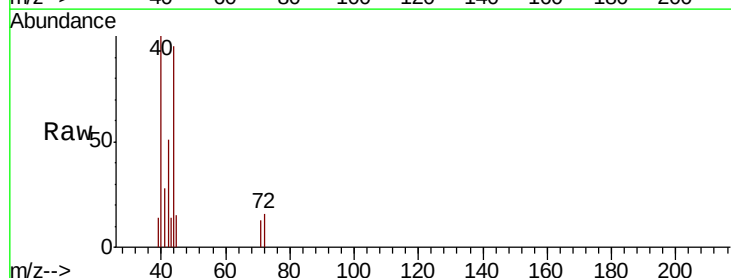
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#07

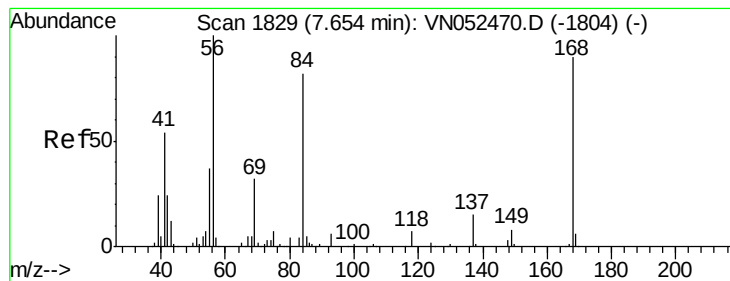
Tot Ion: 43 Resp: 3173
Ion Ratio Lower Upper
43 100
72 17.8 20.1 30.1#



#29
Tetrahydrofuran
Concen: 0.582 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

Tgt Ion: 42 Resp: 1831
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 5.2 32.0 48.0#





#31

Cyclohexane

Concen: 0.572 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

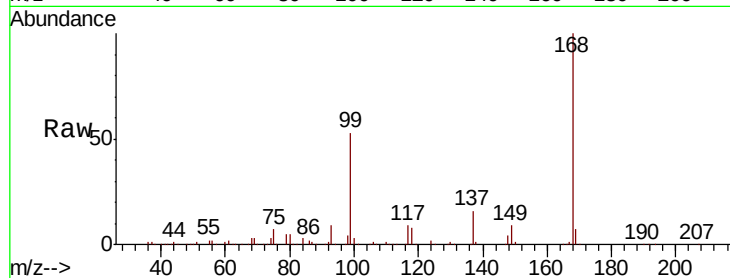
Tot Ion: 56 Resp: 20942

Ion Ratio Lower Upper

56 100

69 191.7 25.8 38.6#

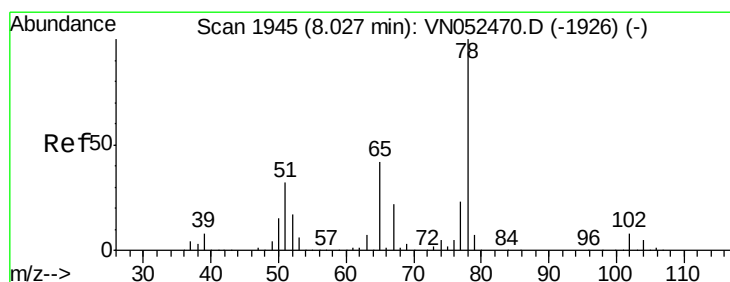
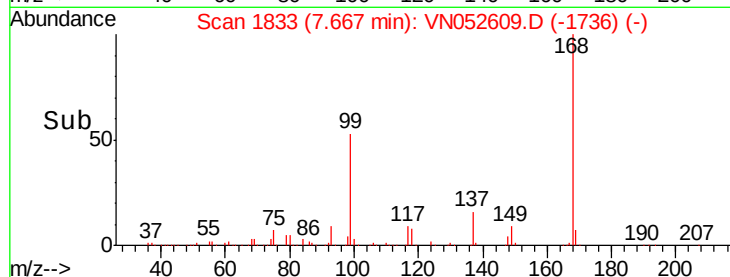
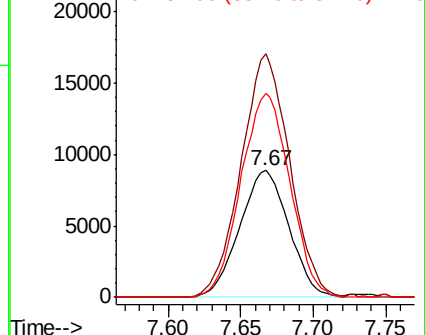
84 160.8 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052609.D

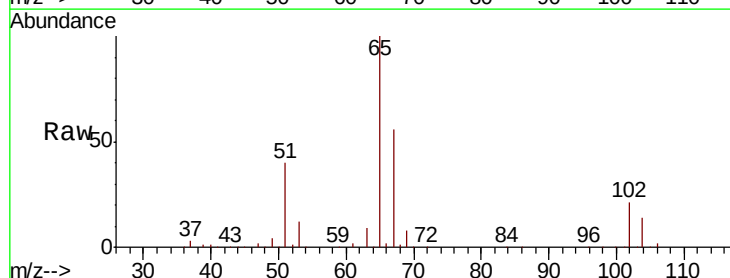
Acq: 30 Nov 2018 16:14

Tgt Ion: 65 Resp: 634730

Ion Ratio Lower Upper

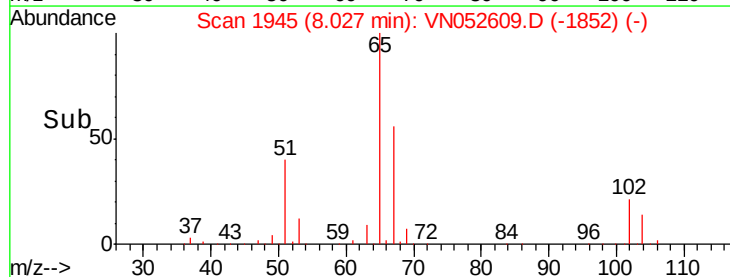
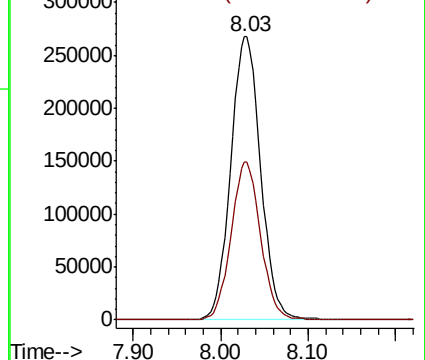
65 100

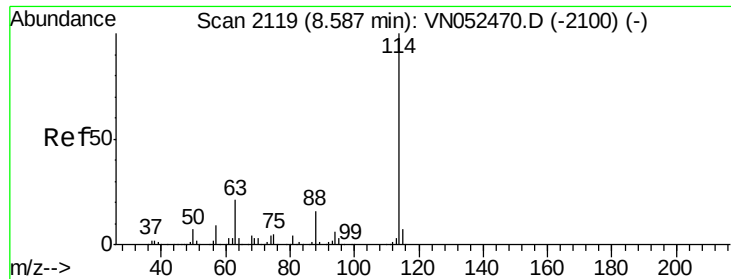
67 54.9 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



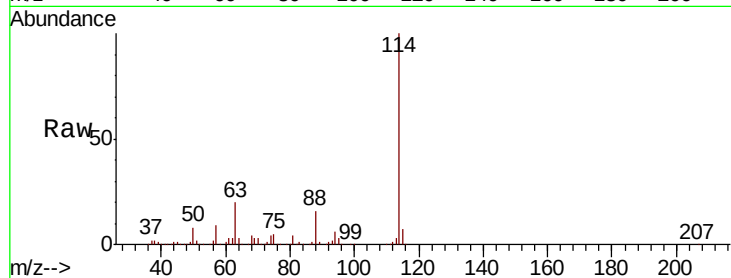


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

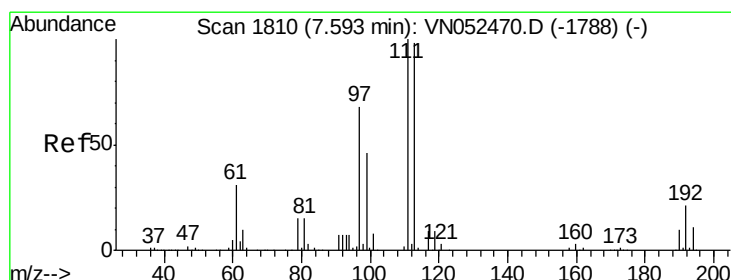
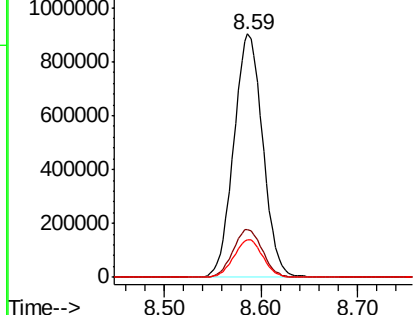
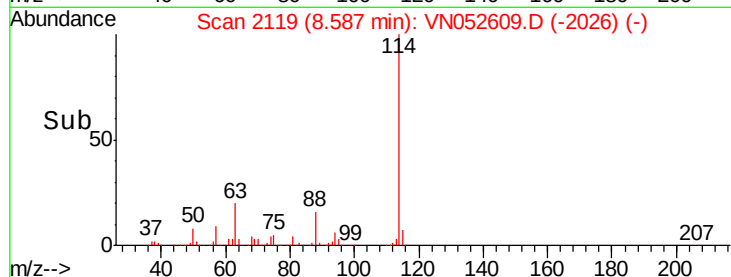
Instrument :
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 ClientSampleId :
 PB115186ZHE#07

Tot Ion:114 Resp: 1880097

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.8
88	15.5	0.0	31.6



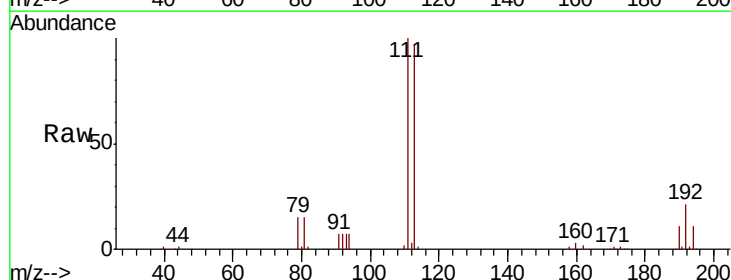
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



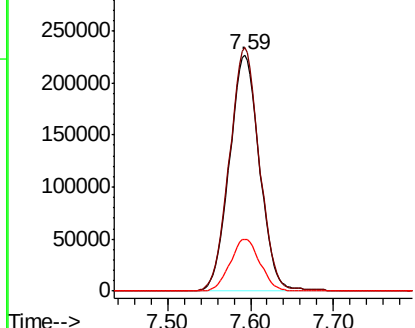
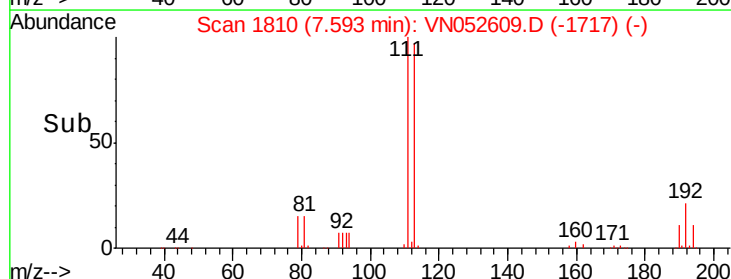
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

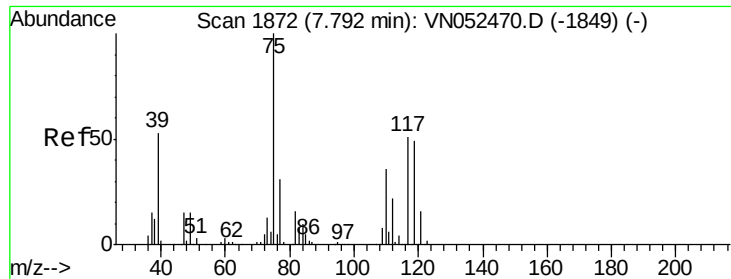
Tgt Ion:113 Resp: 575717

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	21.9	17.0	25.6



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

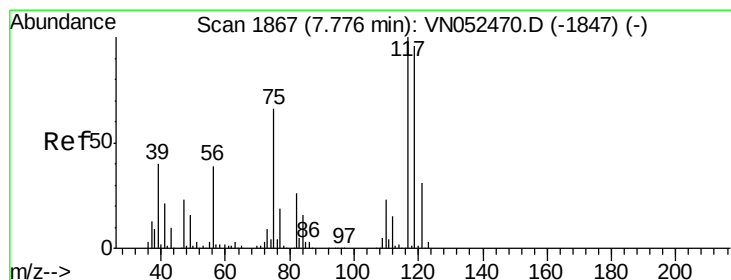
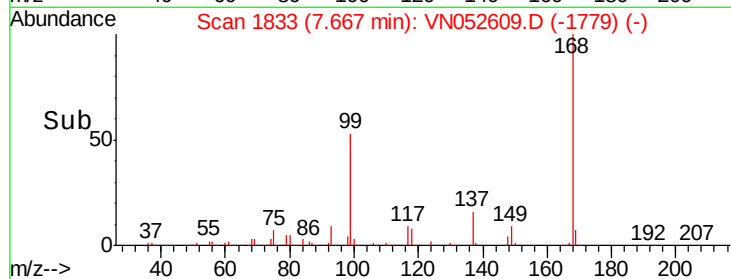
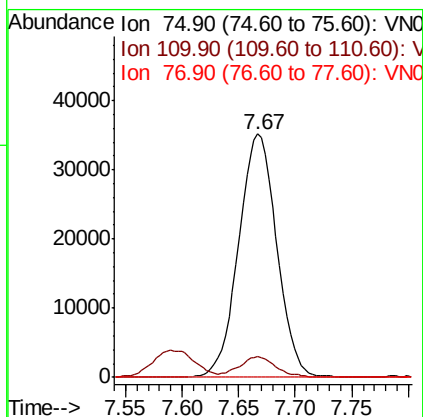
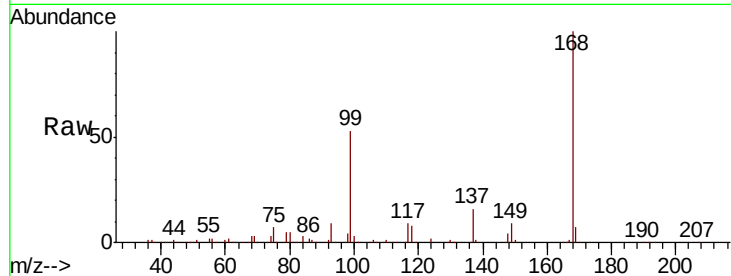




#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

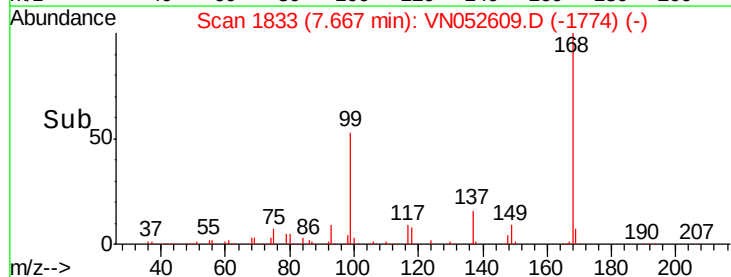
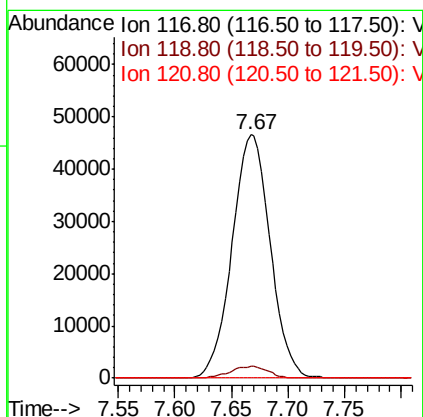
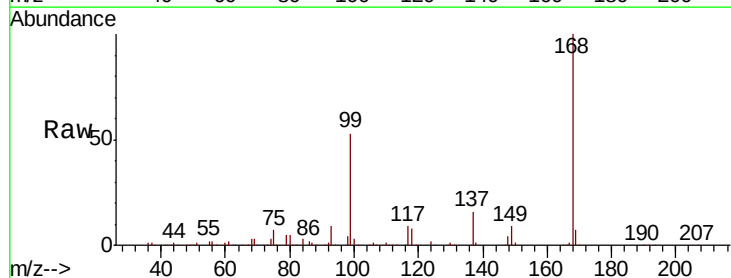
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#07

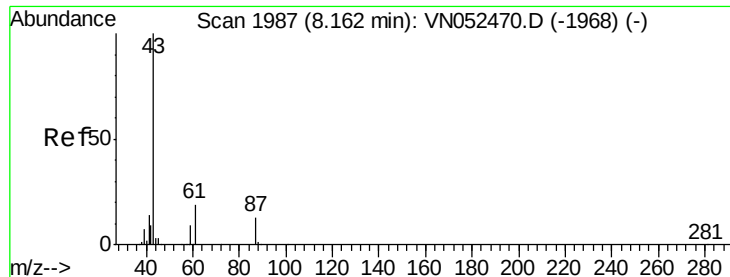
Tot Ion	75	Resp	82343
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.792 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052609.D
 Acq: 30 Nov 2018 16:14

Tgt Ion	117	Resp	109168
Ion Ratio	Lower	Upper	
117	100		
119	4.7	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 3.531 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

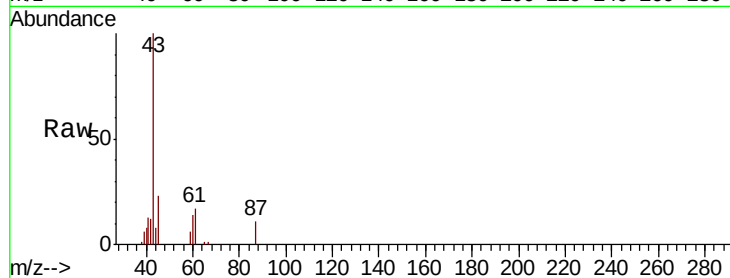
Tot Ion: 43 Resp: 64751

Ion Ratio Lower Upper

43 100

61 15.8 24.1 36.1#

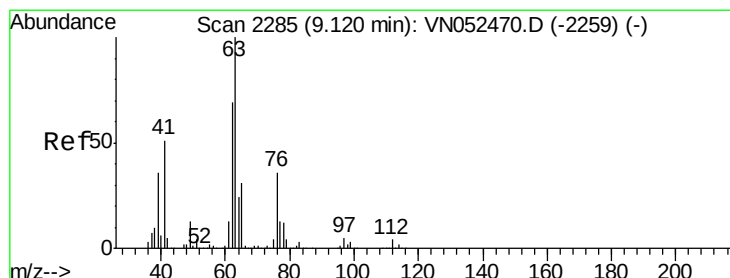
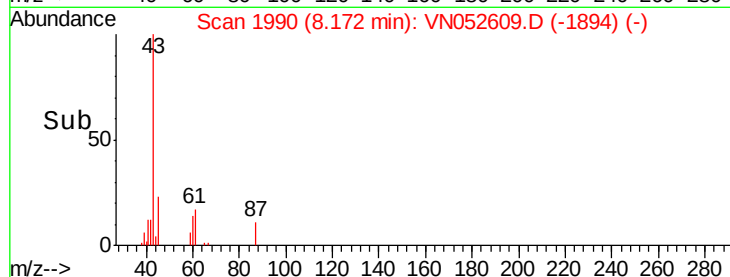
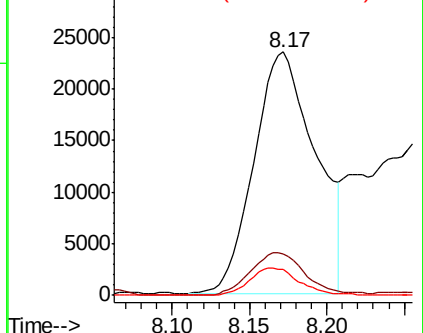
87 9.3 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.230 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052609.D

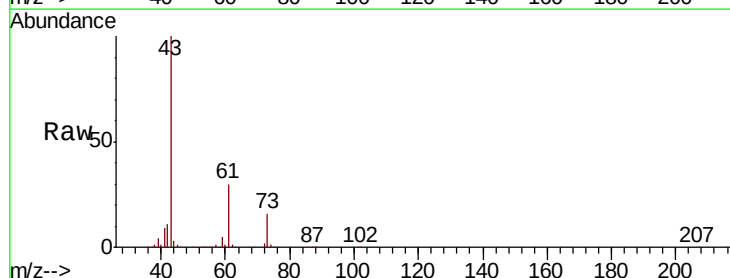
Acq: 30 Nov 2018 16:14

Tgt Ion: 63 Resp: 3235

Ion Ratio Lower Upper

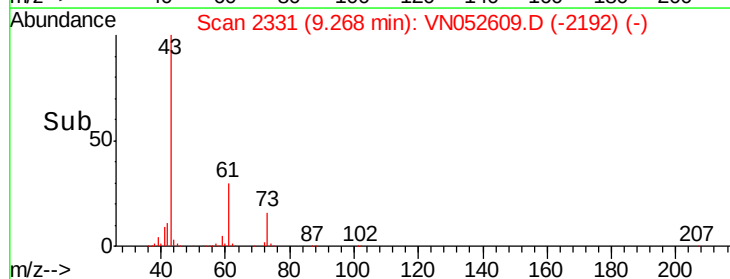
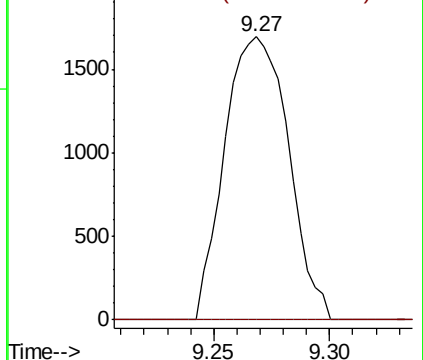
63 100

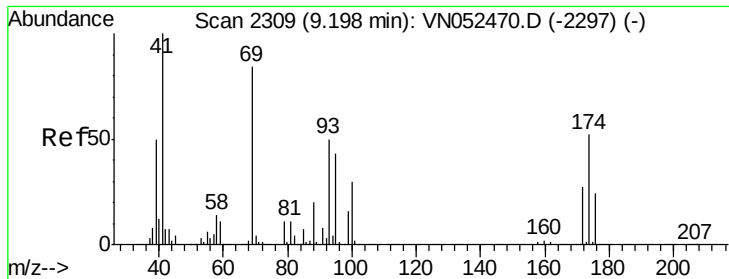
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

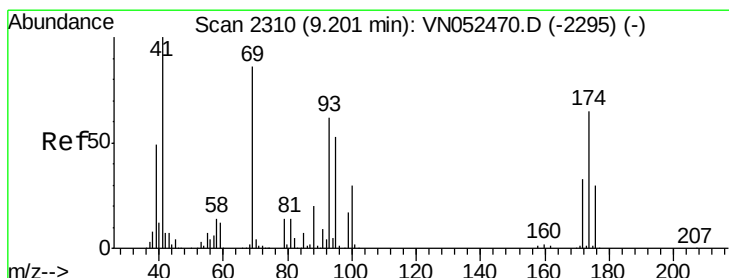
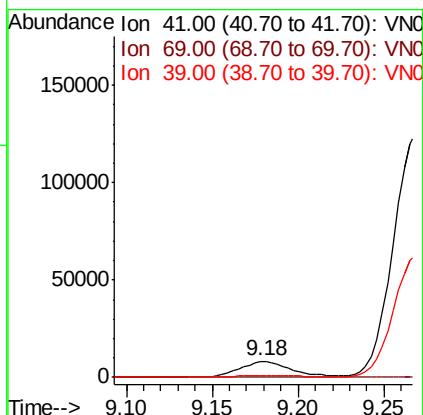
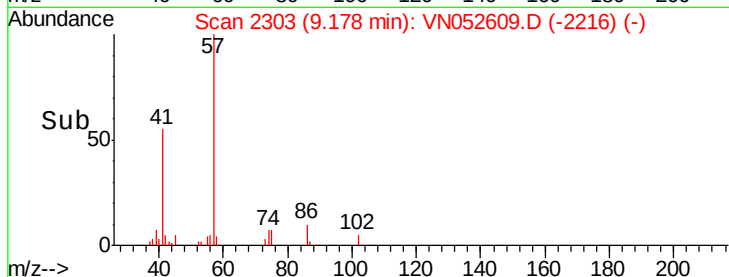
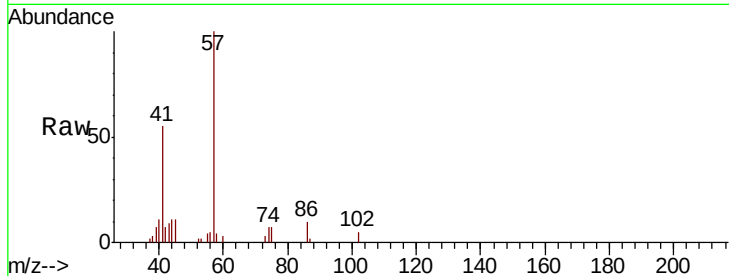




#48
Methvl methacrylate
Concen: 1.693 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

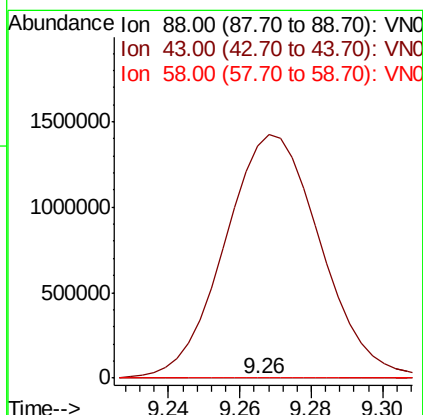
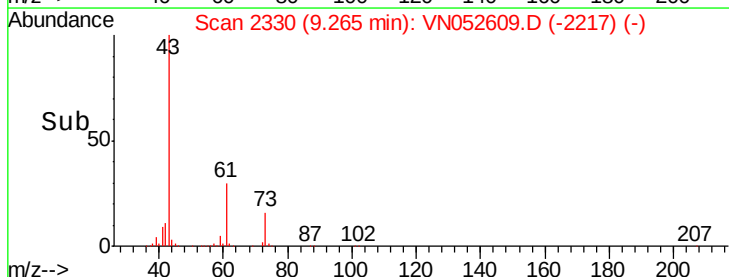
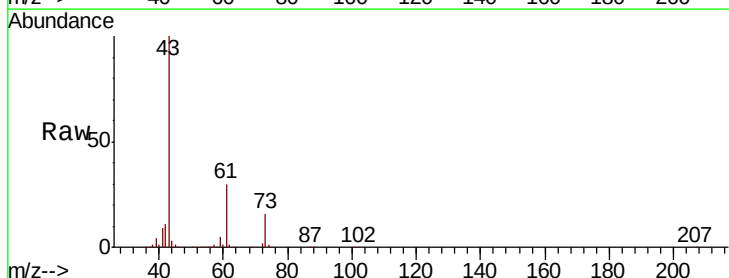
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#07

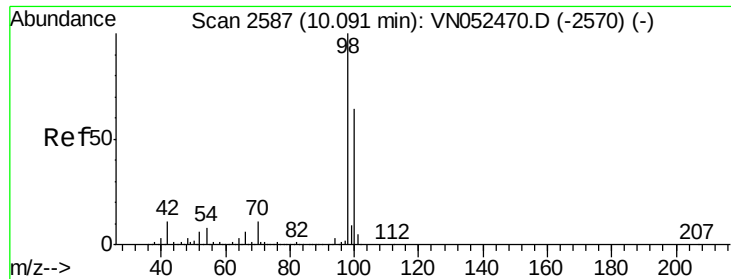
Tot Ion: 41 Resp: 16188
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 4.575 ug/l
RT: 9.26 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

Tgt Ion: 88 Resp: 454
Ion Ratio Lower Upper
88 100
43 591228.9 26.4 39.6#
58 2495.8 55.4 83.0#





#50

Toluene-d8

Concen: 4.575 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

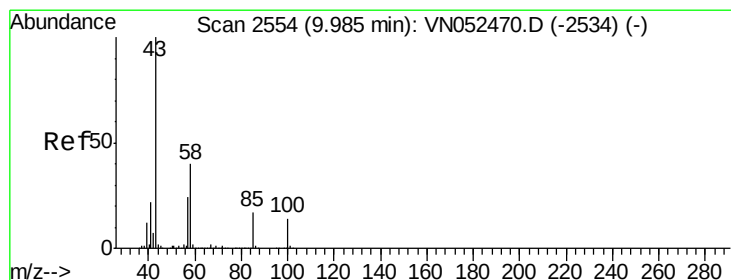
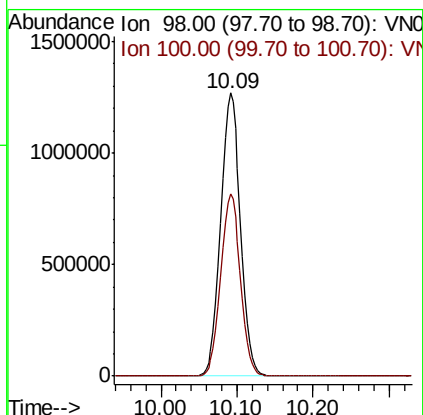
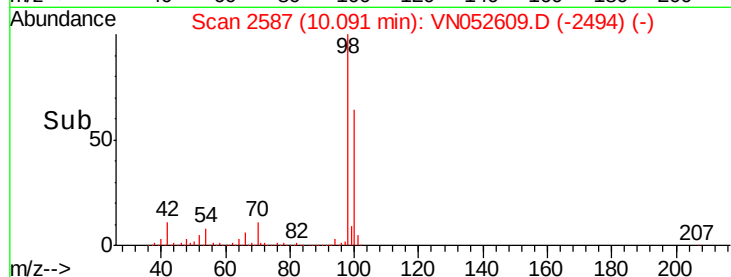
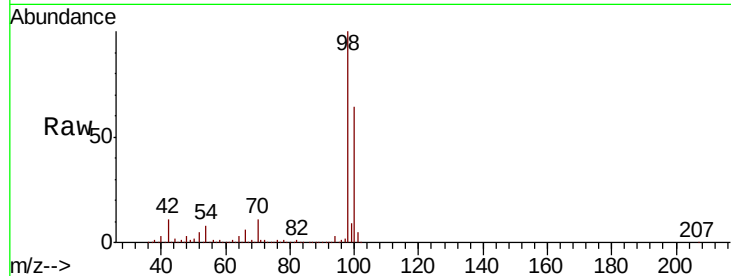
PB115186ZHE#07

Tot Ion: 98 Resp: 2291793

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.814 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052609.D

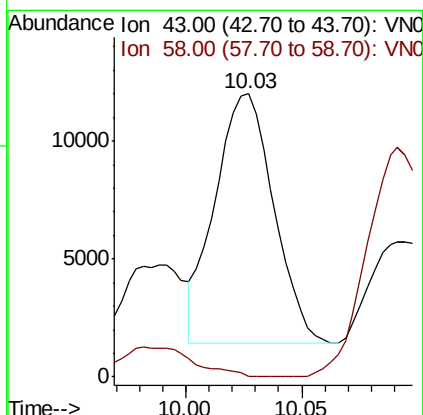
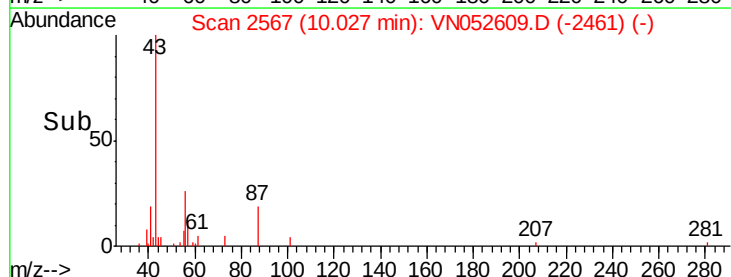
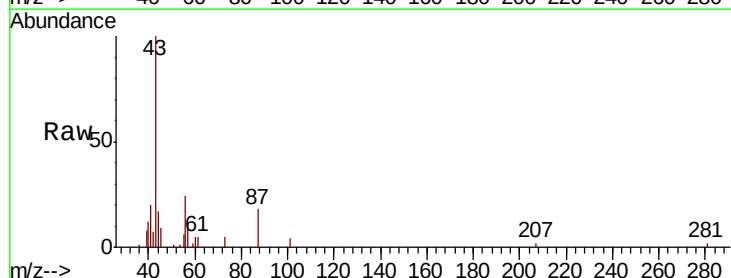
Acq: 30 Nov 2018 16:14

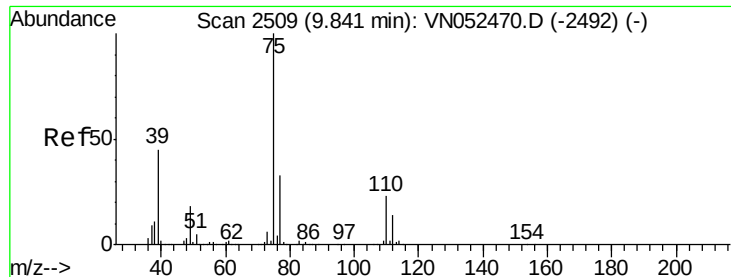
Tgt Ion: 43 Resp: 18662

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 7.122 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

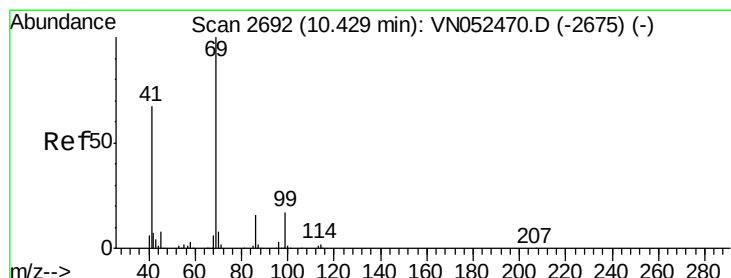
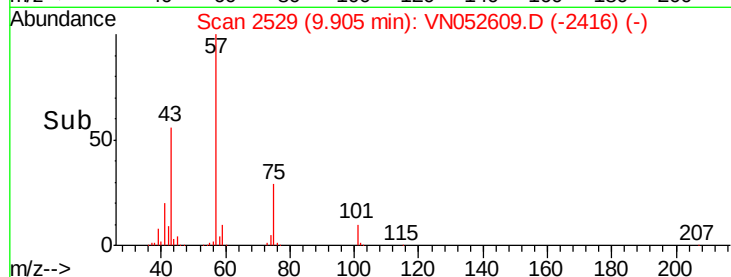
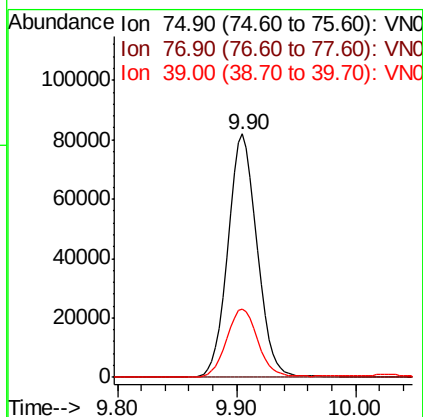
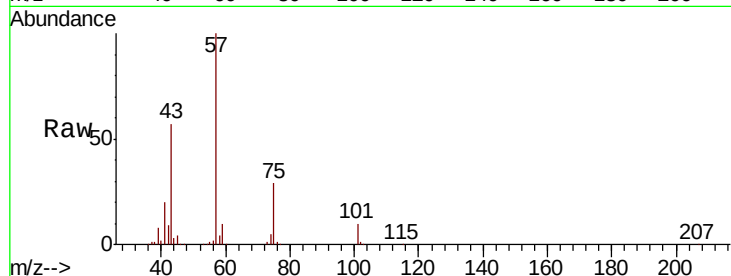
Tot Ion: 75 Resp: 139018

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 28.1 36.0 54.0#



#56

Ethyl methacrylate

Concen: 2.801 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

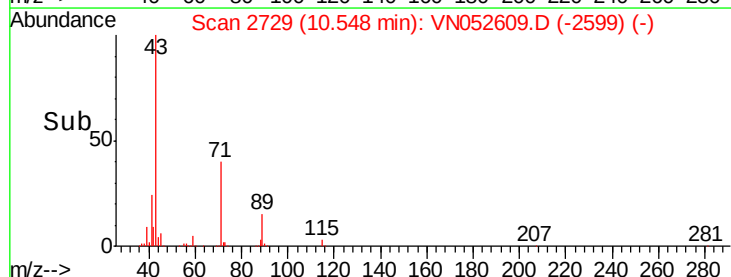
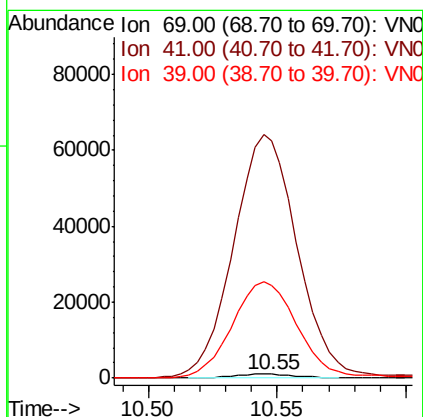
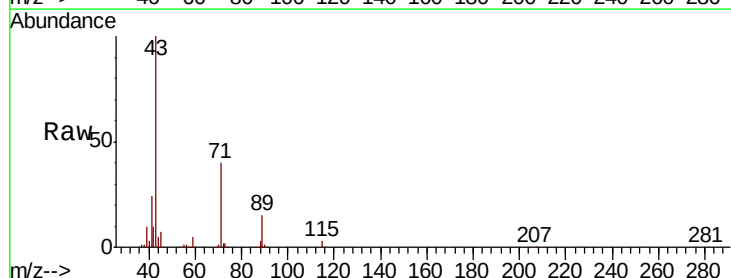
Tgt Ion: 69 Resp: 1757

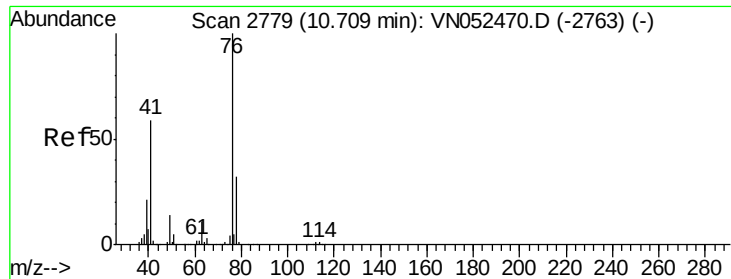
Ion Ratio Lower Upper

69 100

41 6353.4 52.6 79.0#

39 2577.1 25.9 38.9#





#57

1,3-Dichloropropane

Concen: 1.350 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

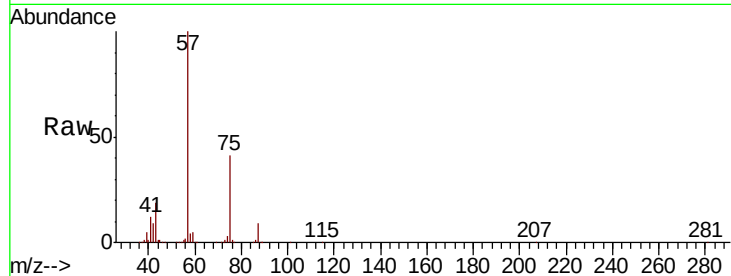
PB115186ZHE#07

Tot Ion: 76 Resp: 26366

Ion Ratio Lower Upper

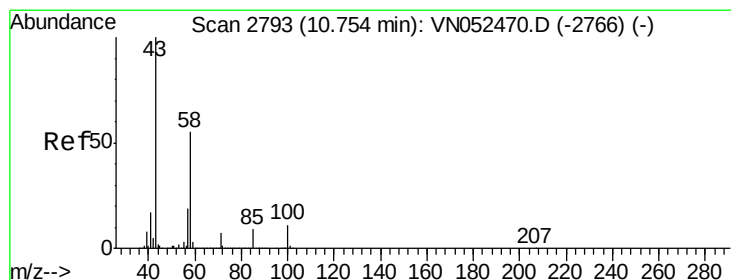
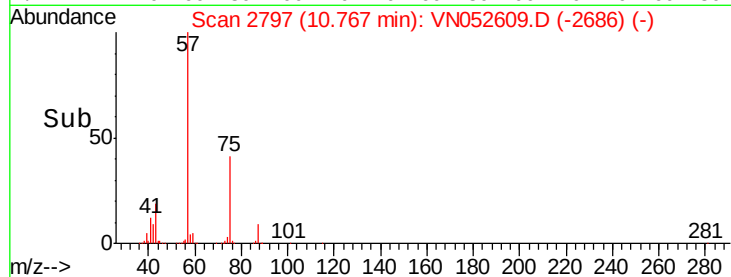
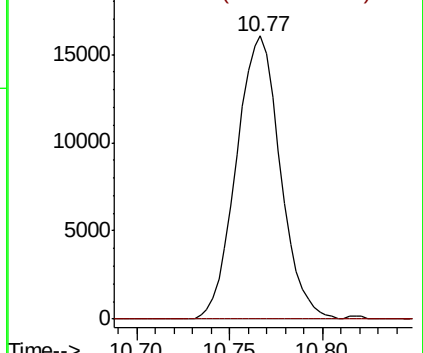
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 50.801 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN052609.D

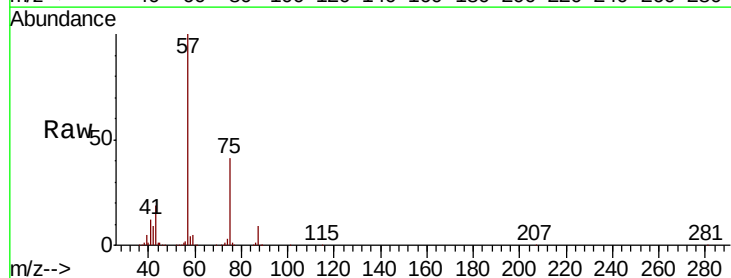
Acq: 30 Nov 2018 16:14

Tgt Ion: 43 Resp: 350773

Ion Ratio Lower Upper

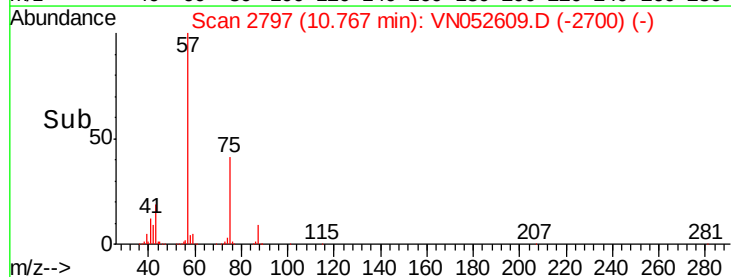
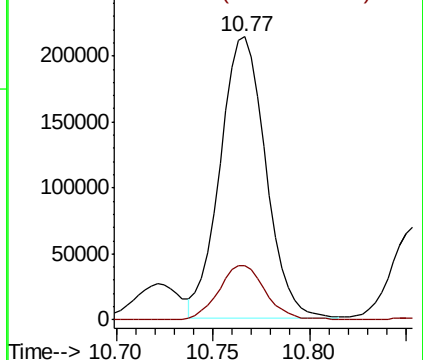
43 100

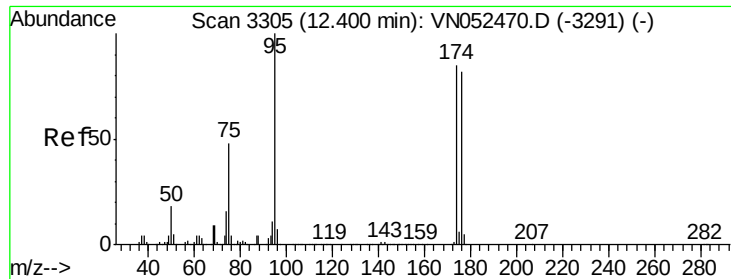
58 20.0 27.4 82.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

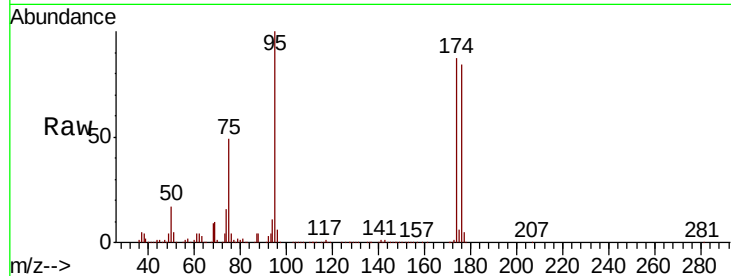
Tot Ion: 95 Resp: 713106

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.0

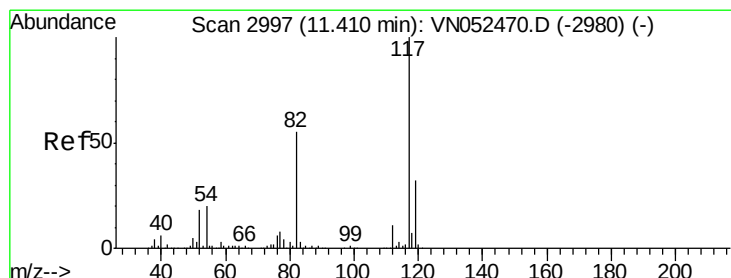
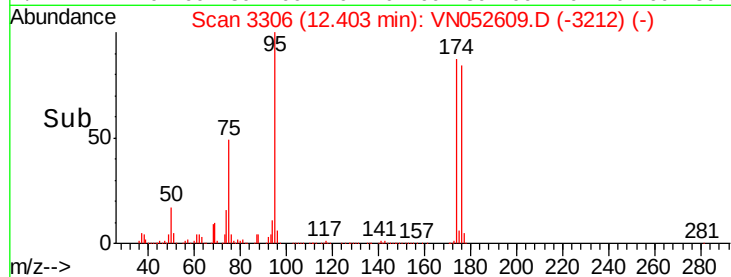
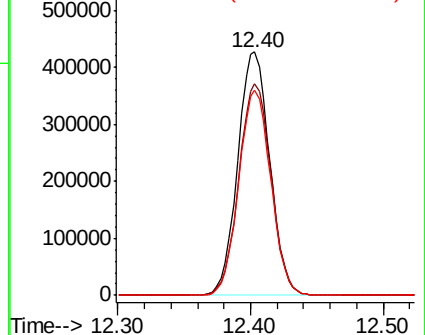
176 84.6 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

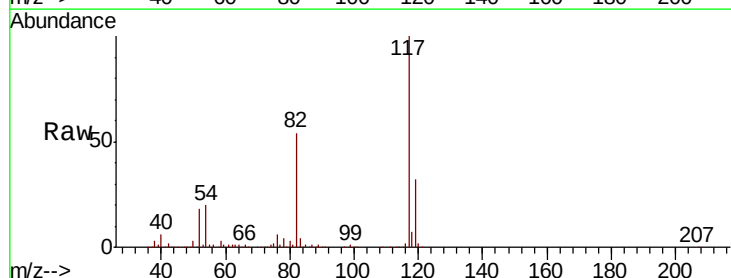
Tgt Ion: 117 Resp: 1635782

Ion Ratio Lower Upper

117 100

82 54.4 43.6 65.4

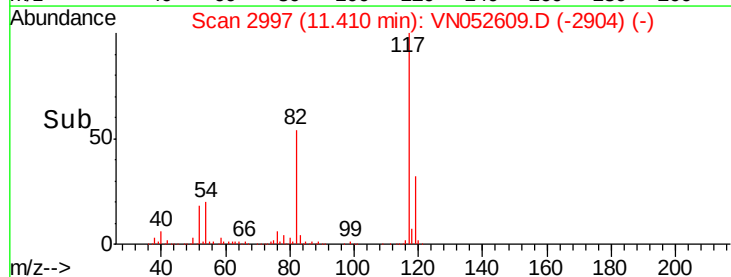
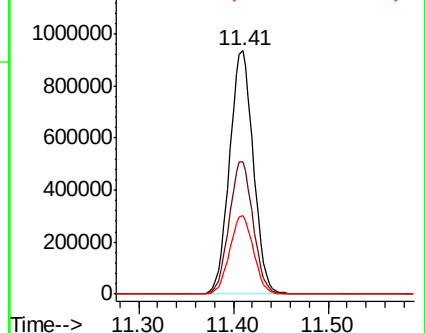
119 32.2 25.4 38.2

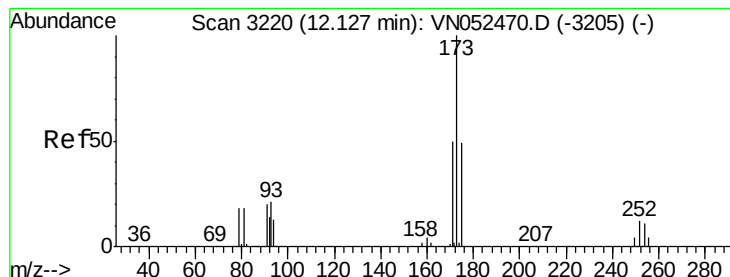


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)





#71

Bromoform

Concen: 0.559 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

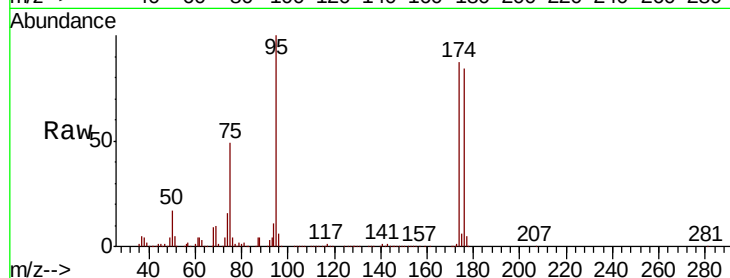
Tot Ion:173 Resp: 4340

Ion Ratio Lower Upper

173 100

175 871.4 24.4 73.2#

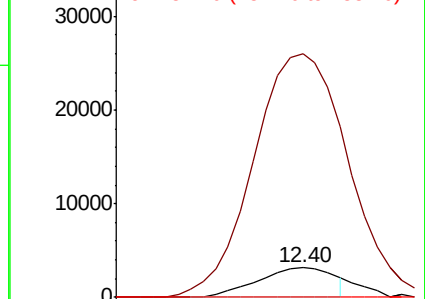
254 0.0 0.1 0.1#



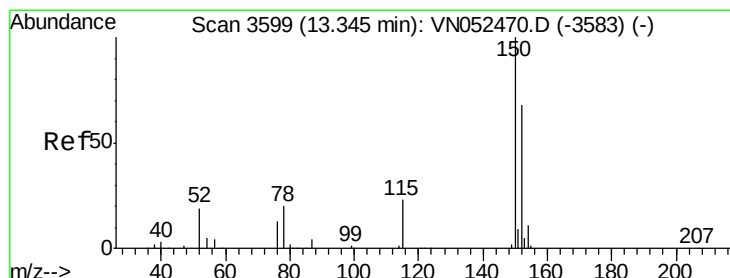
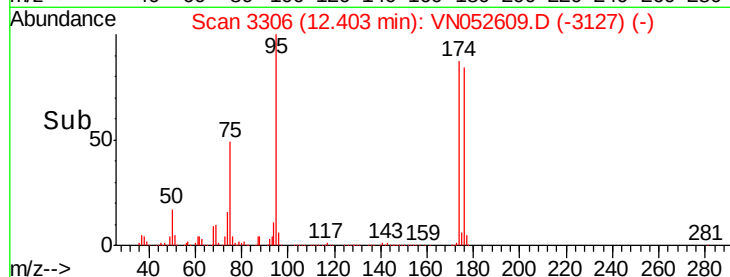
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

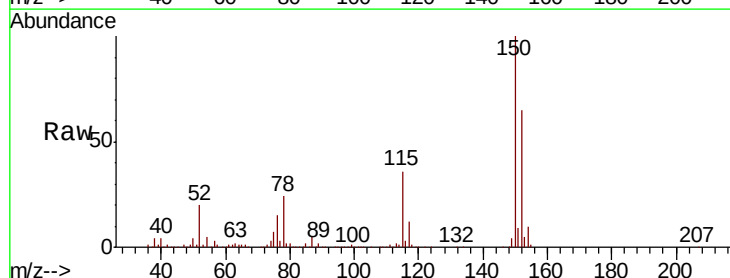
Tgt Ion:152 Resp: 618644

Ion Ratio Lower Upper

152 100

115 56.0 28.4 85.2

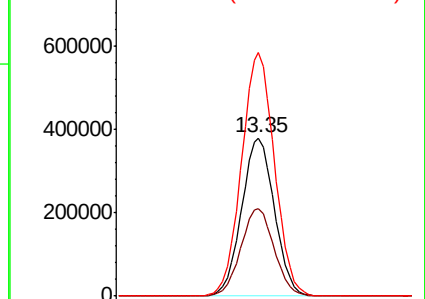
150 154.5 0.0 346.0



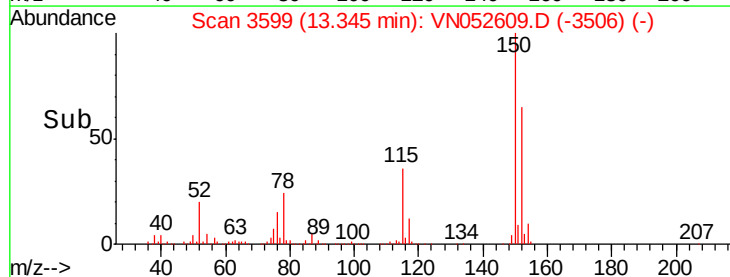
Abundance Ion 151.90 (151.60 to 152.60): V

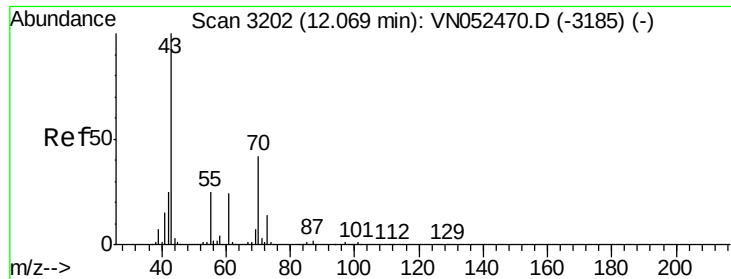
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->

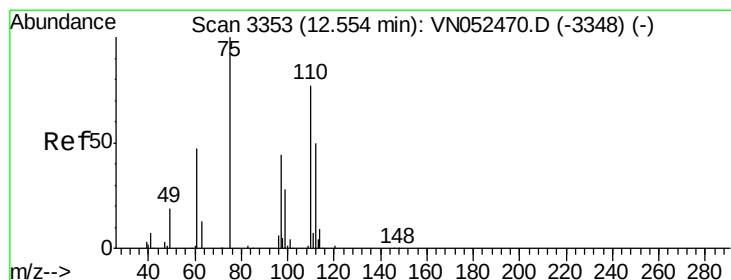
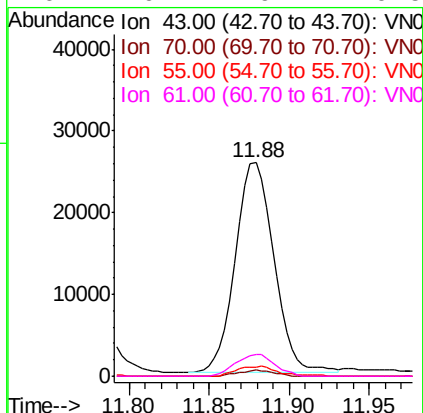
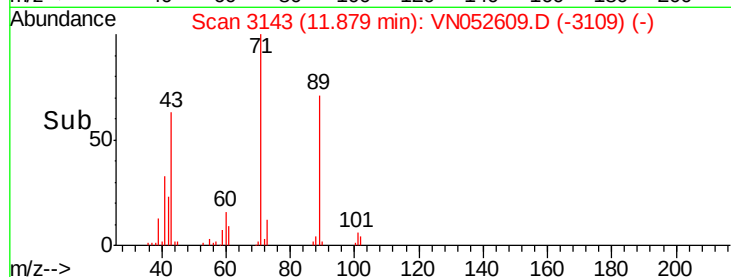
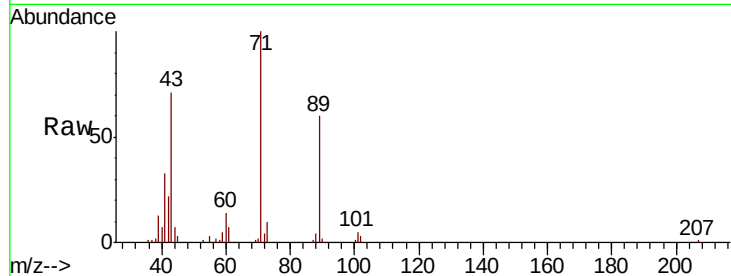




#74
N-amvl acetate
Concen: 3.434 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

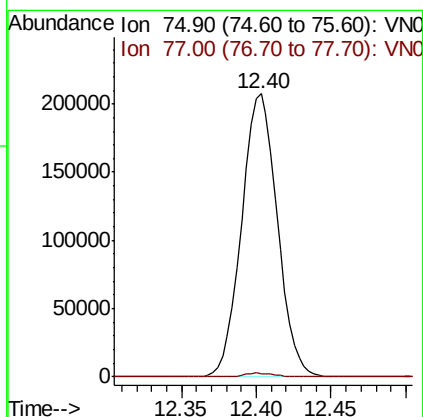
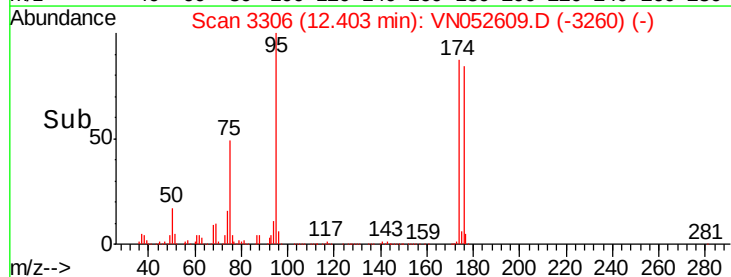
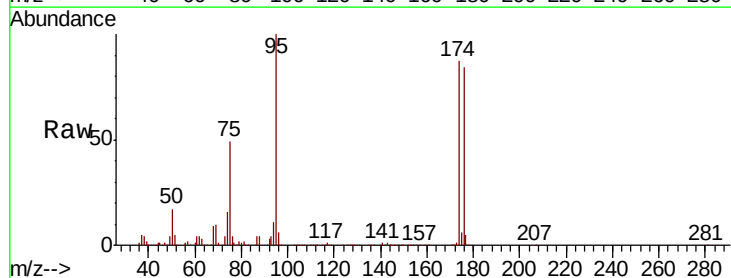
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#07

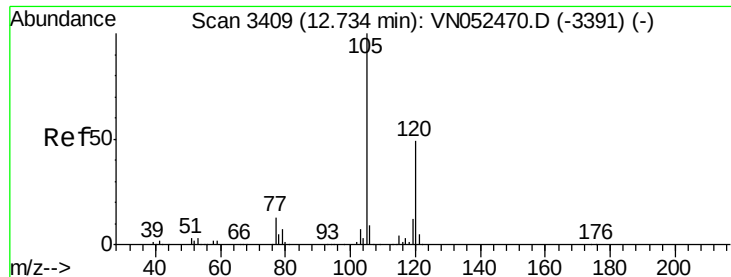
Tot Ion: 43 Resp: 42106
Ion Ratio Lower Upper
43 100
70 2.5 33.8 50.8#
55 5.1 20.0 30.0#
61 10.4 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 36.160 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052609.D
Acq: 30 Nov 2018 16:14

Tgt Ion: 75 Resp: 344959
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.894 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

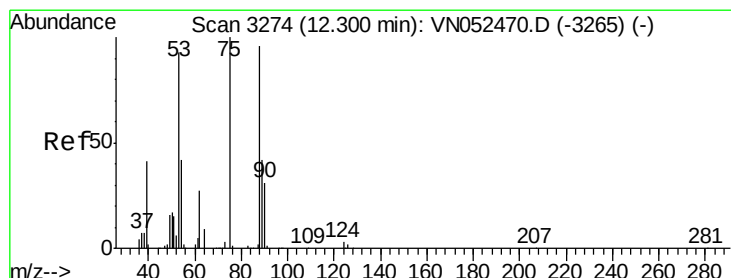
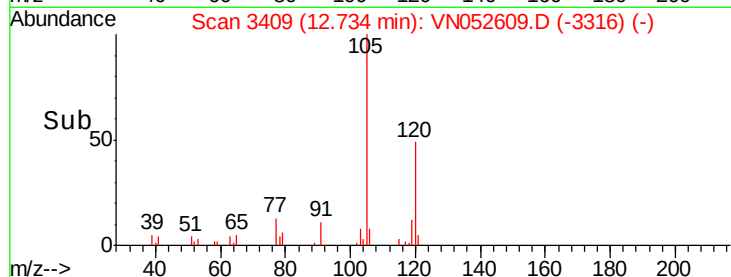
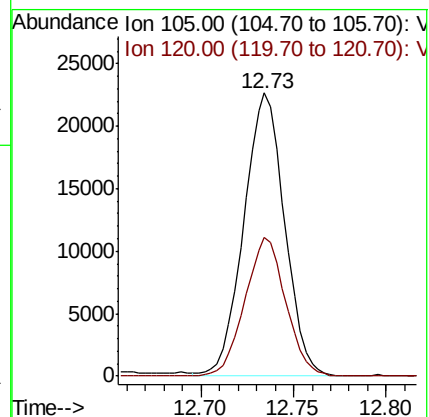
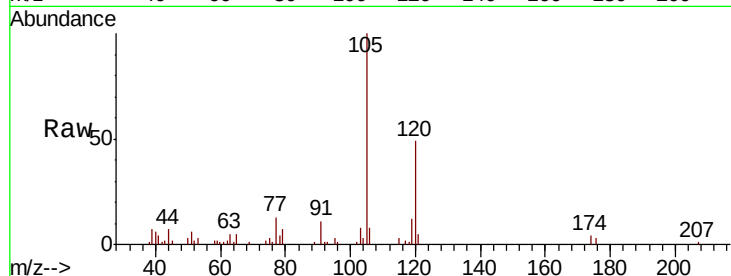
PB115186ZHE#07

Tot Ion:105 Resp: 34594

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0



#81

trans-1,4-Dichloro-2-butene

Concen: 120.757 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

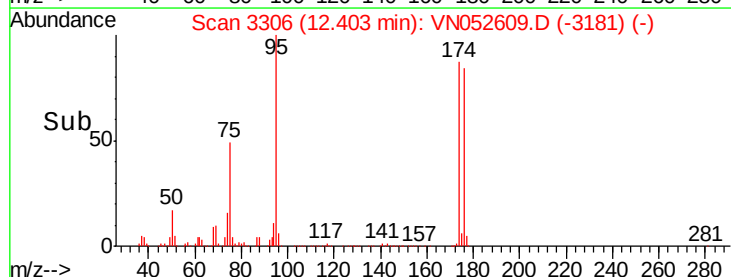
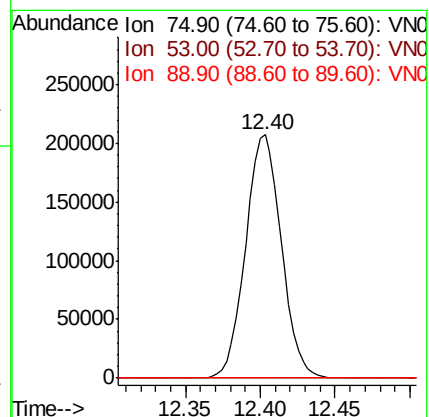
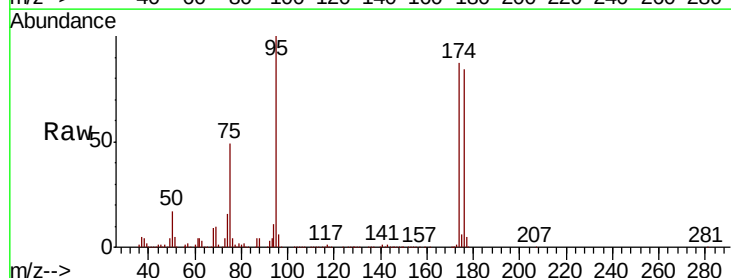
Tgt Ion: 75 Resp: 344959

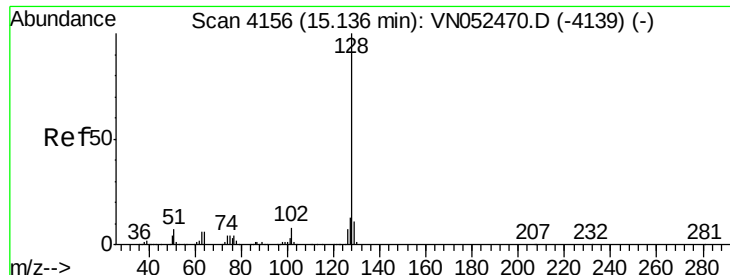
Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 3.443 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052609.D

Acq: 30 Nov 2018 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#07

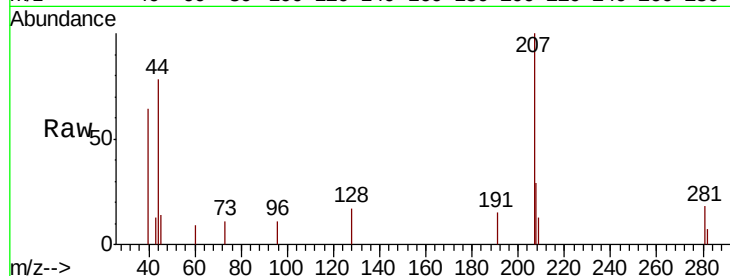
Tot Ion:128 Resp: 361

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

