

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051938.D
 Acq On : 19 Oct 2018 10:53
 Operator : MD\SY
 Sample : PB113937TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937TB

Quant Time: Oct 19 23:05:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	986648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1438270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1287401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	443979	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	536006	58.60	ug/l	0.00
Spiked Amount			Recovery	=	117.20%	
35) Dibromofluoromethane	7.59	113	542686	59.36	ug/l	0.00
Spiked Amount			Recovery	=	118.72%	
50) Toluene-d8	10.09	98	1984440	59.64	ug/l	0.00
Spiked Amount			Recovery	=	119.28%	
62) 4-Bromofluorobenzene	12.40	95	557805	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1244	0.213	ug/l #	87
5) Bromomethane	2.57	94	3611	Below Cal		81
10) Methyl Iodide	3.94	142	735	3.348	ug/l #	81
13) Acrolein	3.63	56	72	Below Cal	#	1
16) Acetone	3.83	43	11082	6.842	ug/l #	87
17) Carbon Disulfide	4.06	76	3901	0.220	ug/l #	74
18) Methyl Acetate	4.33	43	8942	Below Cal		94
20) Methylene Chloride	4.55	84	10500	1.275	ug/l	95
25) 2-Butanone	6.85	43	2214	0.956	ug/l	99
29) Tetrahydrofuran	7.21	42	555	0.393	ug/l #	22
31) Cyclohexane	7.67	56	16479	Below Cal	#	22
36) 1,1-Dichloropropene	7.67	75	62162	5.568	ug/l #	47
37) Ethyl Acetate	6.92	43	293	Below Cal	#	64
38) Carbon Tetrachloride	7.66	117	87776	6.677	ug/l #	16
43) Isopropyl Acetate	8.17	43	281141	27.111	ug/l #	88
48) Methyl methacrylate	9.18	41	6466	1.435	ug/l #	12
49) 1,4-Dioxane	9.21	88	32	0.374	ug/l #	33
51) 4-Methyl-2-Pentanone	9.99	43	1594	0.307	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.69	63	59	2.765	ug/l #	40
59) 2-Hexanone	10.77	43	19636	5.635	ug/l #	52
60) Dibromochloromethane	10.63	129	518	2.097	ug/l #	11
71) Bromoform	12.40	173	4854	3.864	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	282131	52.282	ug/l #	100
79) 2-Chlorotoluene	12.68	91	2086	Below Cal		83
81) trans-1,4-Dichloro-2-buten	12.40	75	282131	171.803	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	3250	0.220	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	3250	0.224	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	3481	0.244	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	358	0.385	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.91	180	4244	4.603	ug/l	88
94) Hexachlorobutadiene	15.00	225	1143	0.253	ug/l	85
95) Naphthalene	15.13	128	12261	4.836	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	4691	3.552	ug/l	90

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Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

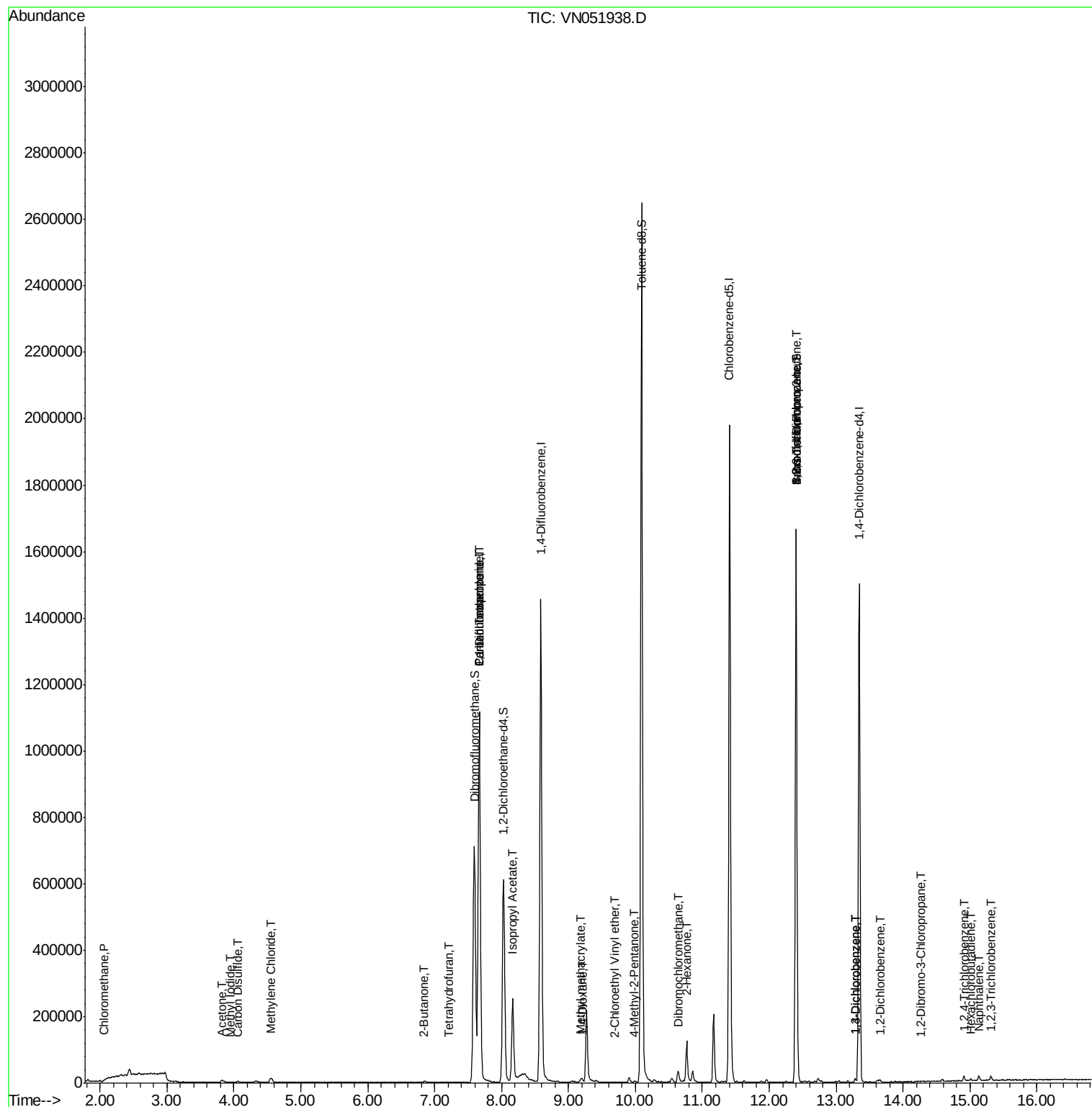
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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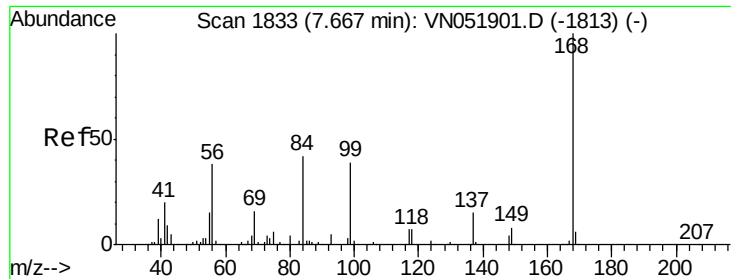
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

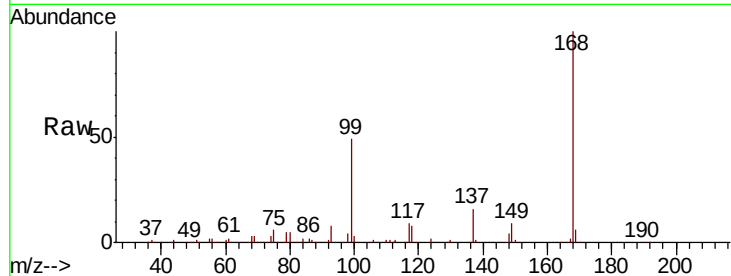
PB113937TB

Tot Ion:168 Resp: 986648

Ion Ratio Lower Upper

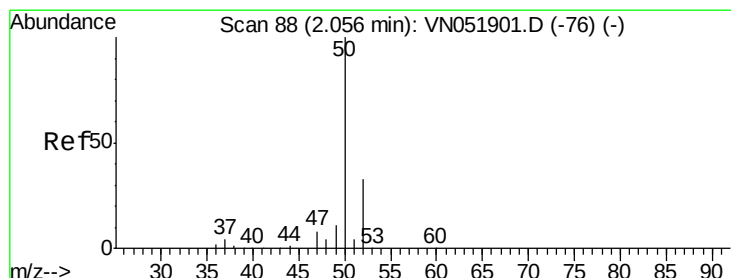
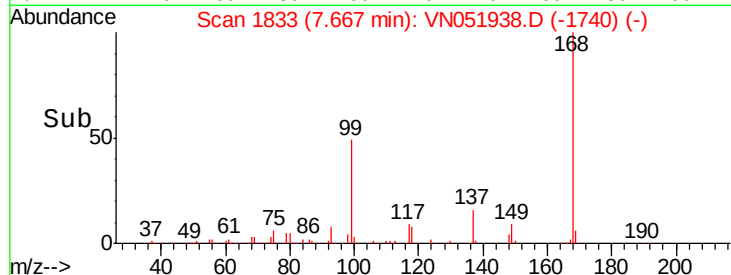
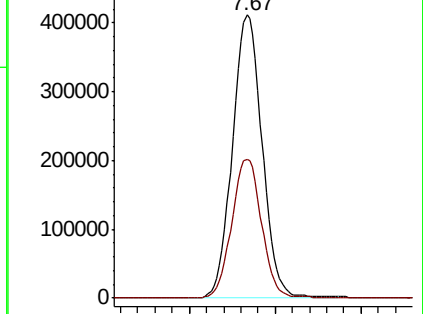
168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051938.D

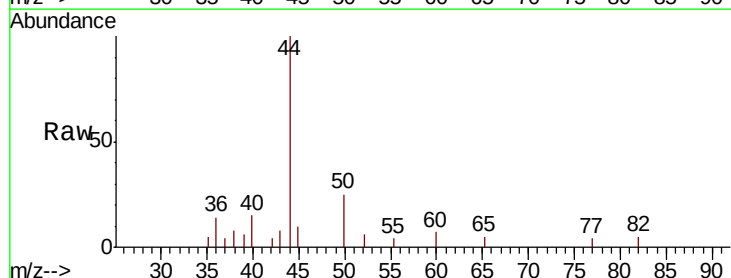
Acq: 19 Oct 2018 10:53

Tgt Ion: 50 Resp: 1244

Ion Ratio Lower Upper

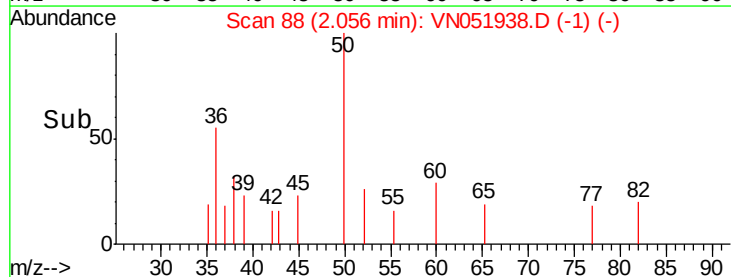
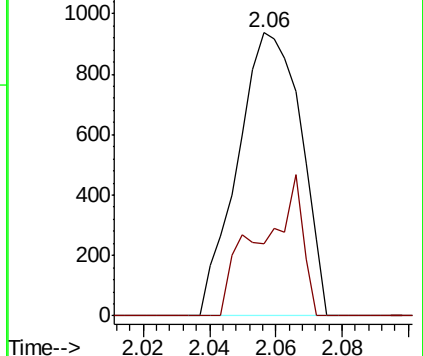
50 100

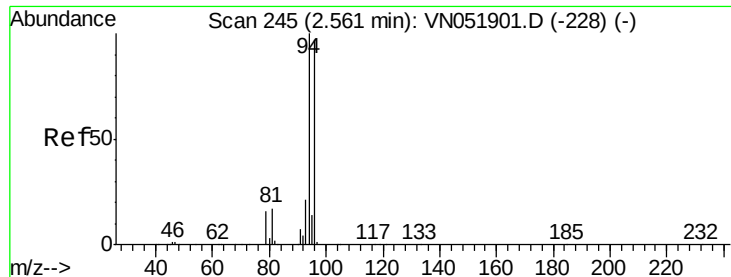
52 25.5 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

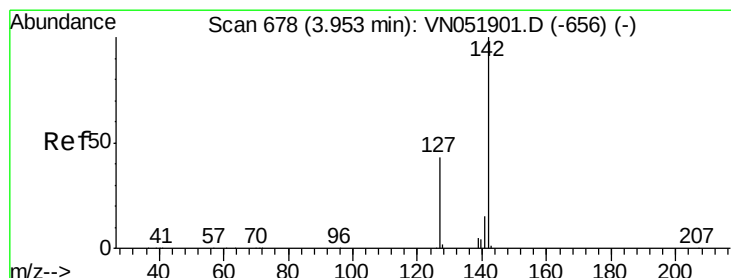
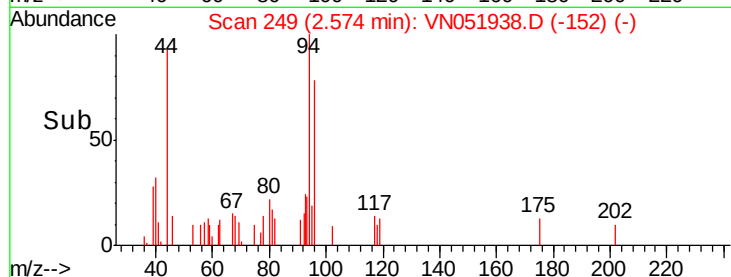
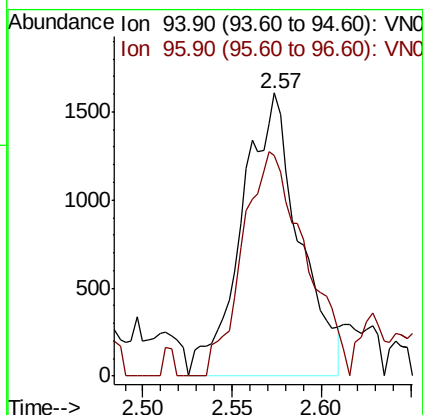
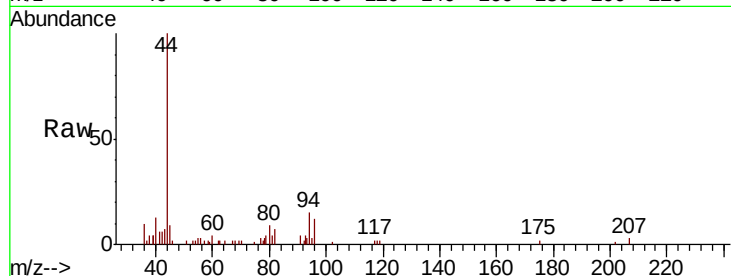
PB113937TB

Tot Ion: 94 Resp: 3611

Ion Ratio Lower Upper

94 100

96 78.0 77.5 116.3



#10

Methyl Iodide

Concen: 3.348 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

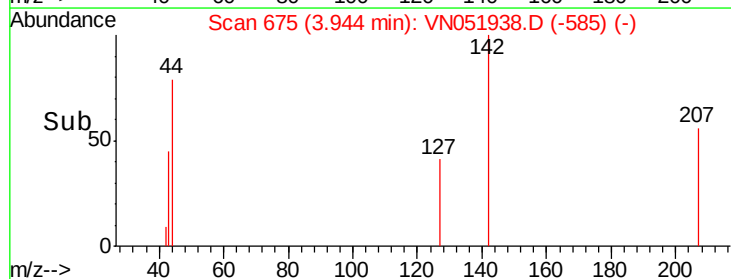
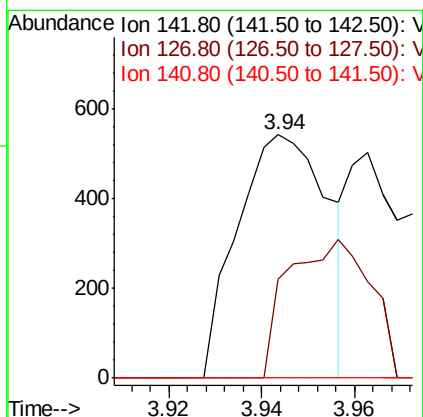
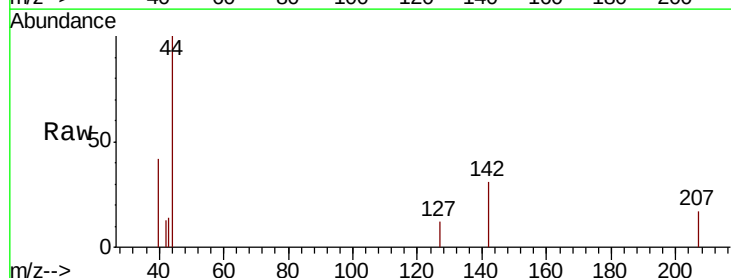
Tgt Ion: 142 Resp: 735

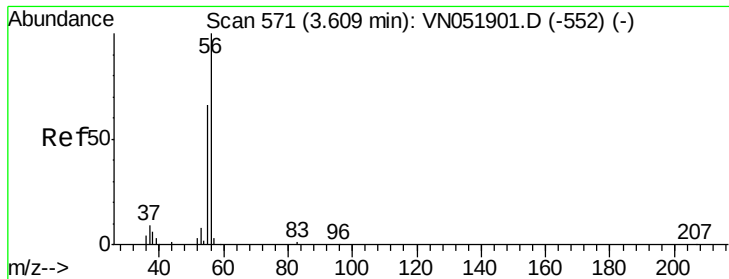
Ion Ratio Lower Upper

142 100

127 51.6 34.3 51.5#

141 0.0 11.1 16.7#





#13

Acrolein

Concen: Below Cal

RT: 3.63 min Scan# 579

Delta R.T. 0.03 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

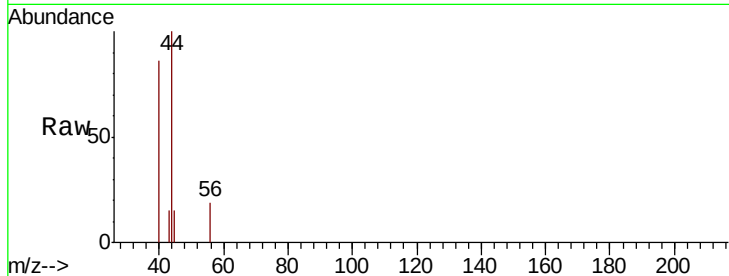
PB113937TB

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

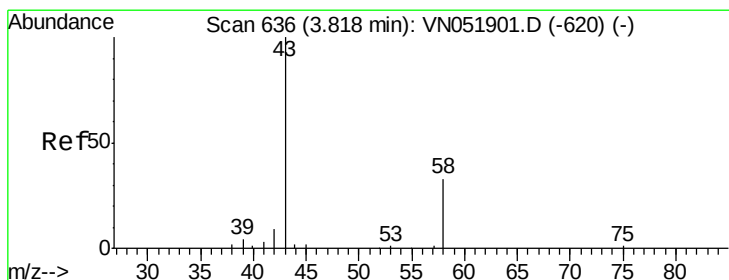
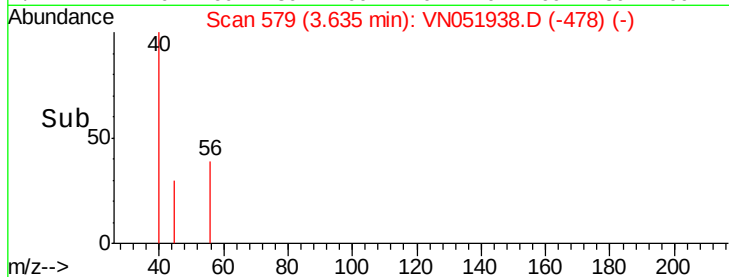
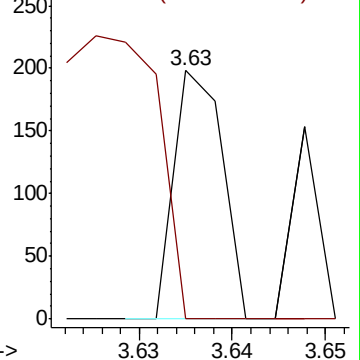
56 100

55 411.1 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.842 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051938.D

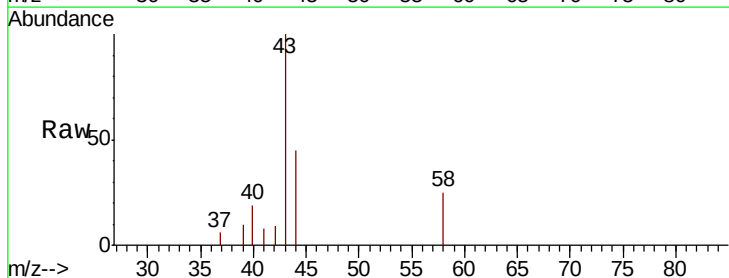
Acq: 19 Oct 2018 10:53

Tgt Ion: 43 Resp: 11082

Ion Ratio Lower Upper

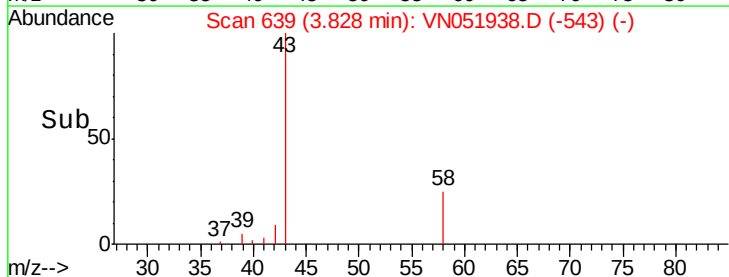
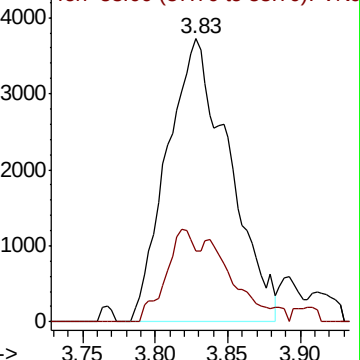
43 100

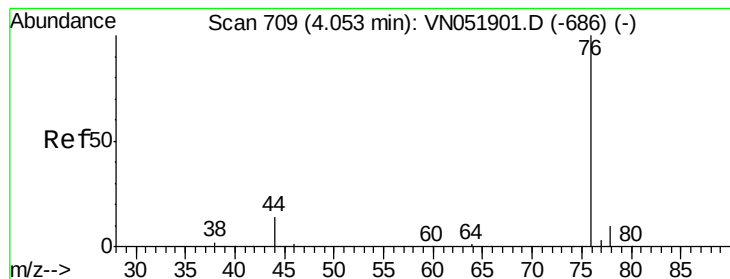
58 25.2 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

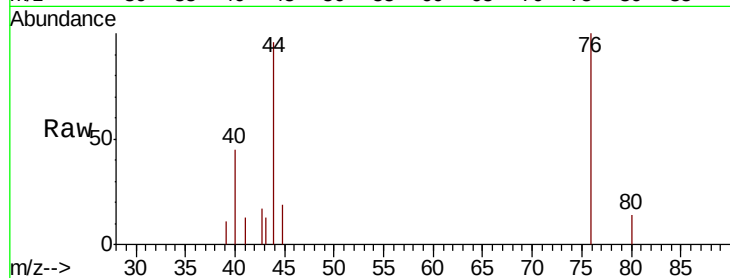
PB113937TB

Tot Ion: 76 Resp: 3901

Ion Ratio Lower Upper

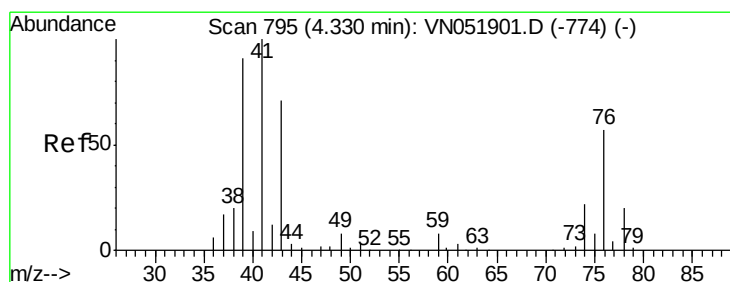
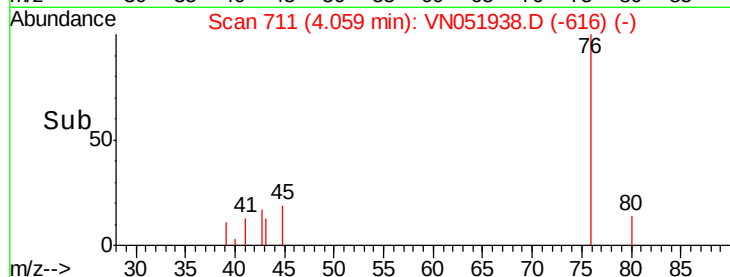
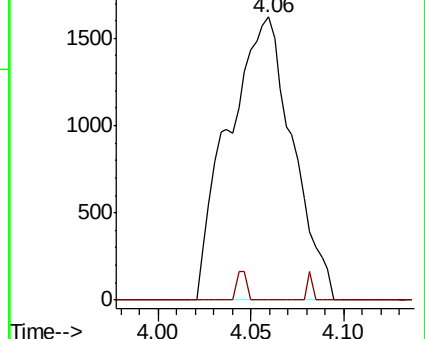
76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051938.D

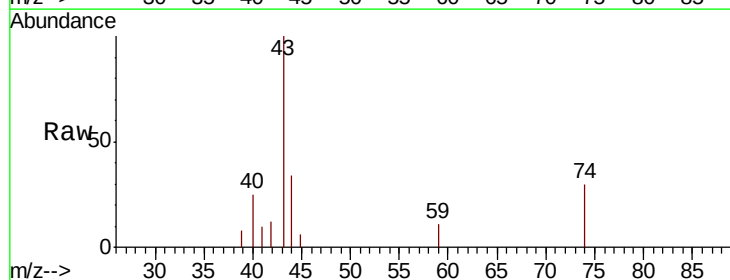
Acq: 19 Oct 2018 10:53

Tgt Ion: 43 Resp: 8942

Ion Ratio Lower Upper

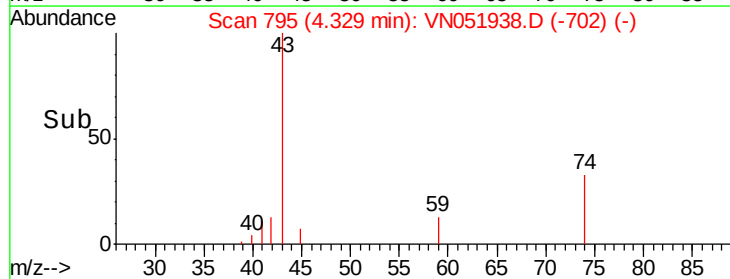
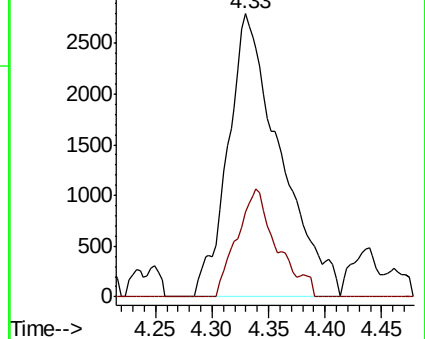
43 100

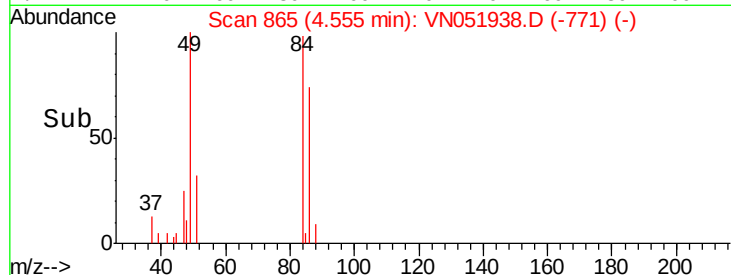
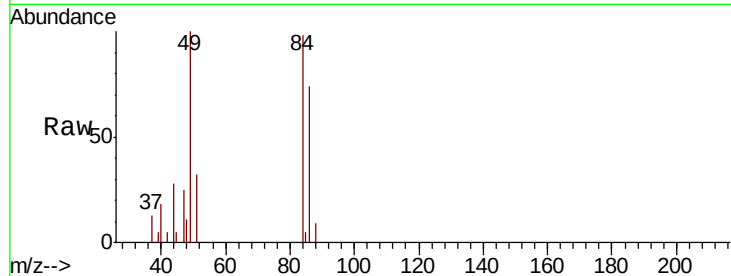
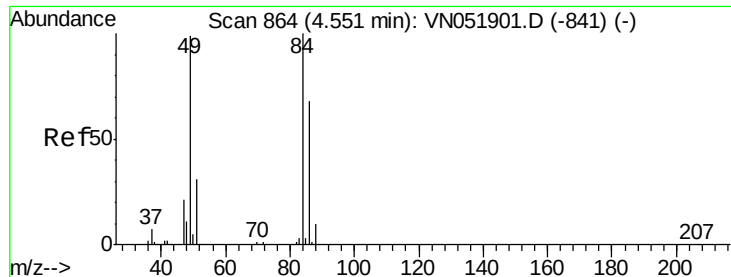
74 27.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

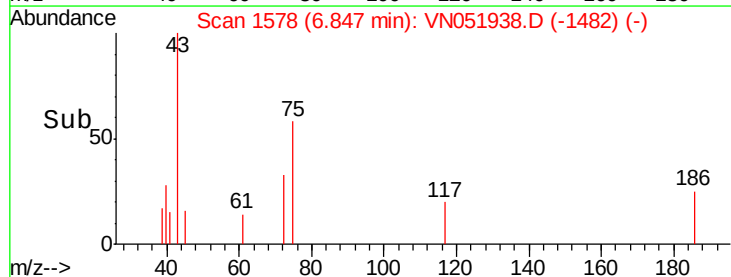
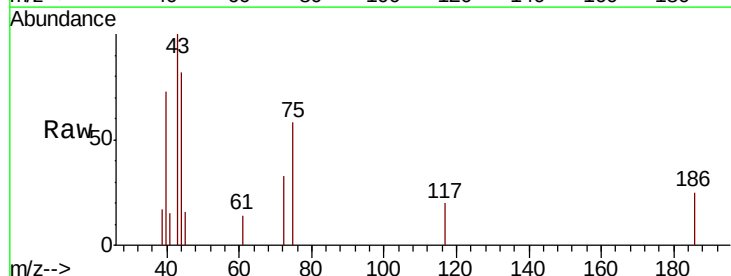
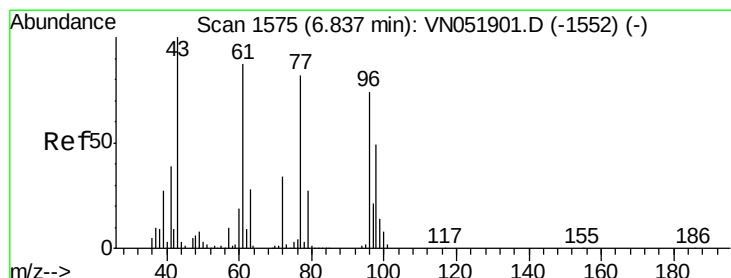
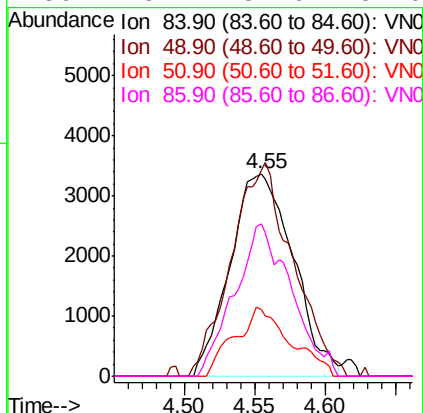




#20
Methvlene Chloride
Concen: 1.275 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

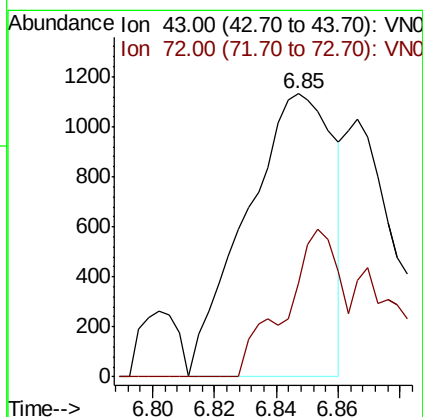
Instrument :
MSVOA_N
ClientSampled :
PB113937TB

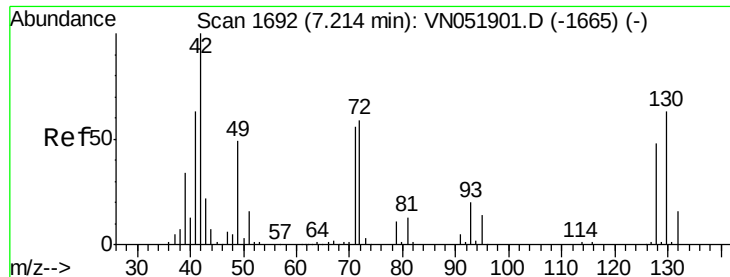
Tot Ion:	84	Resp:	10500
Ion	Ratio	Lower	Upper
84	100		
49	101.8	79.0	118.4
51	32.6	24.9	37.3
86	75.4	54.6	82.0



#25
2-Butanone
Concen: 0.956 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Tgt Ion:	43	Resp:	2214
Ion	Ratio	Lower	Upper
43	100		
72	33.0	27.0	40.6





#29

Tetrahydrofuran

Concen: 0.393 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

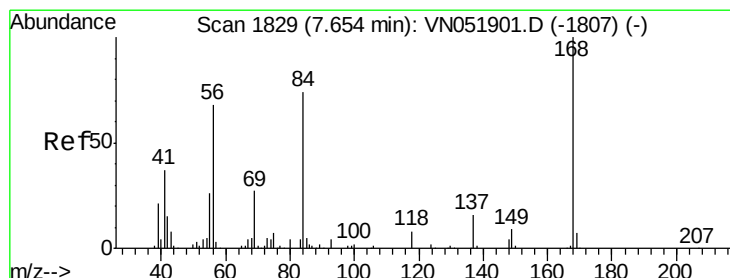
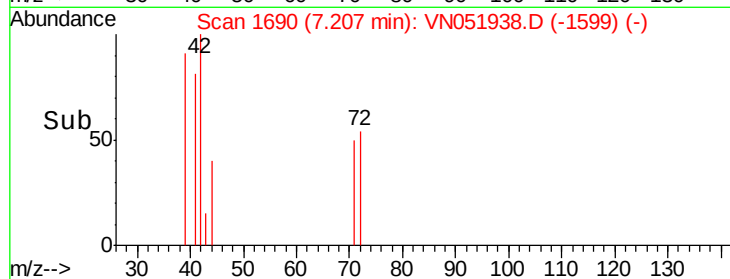
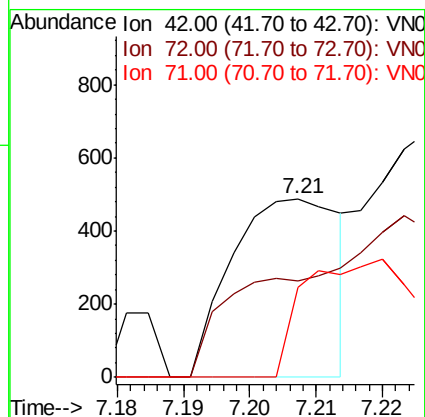
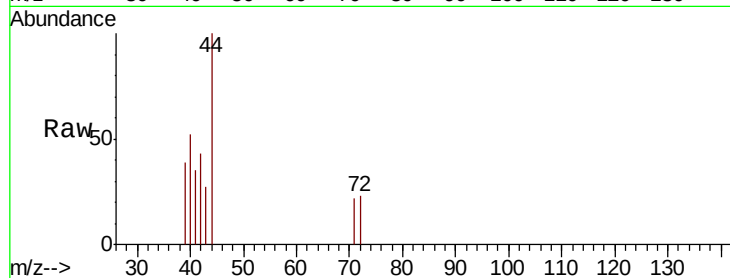
Tot Ion: 42 Resp: 555

Ion Ratio Lower Upper

42 100

72 0.0 47.7 71.5#

71 0.0 45.4 68.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

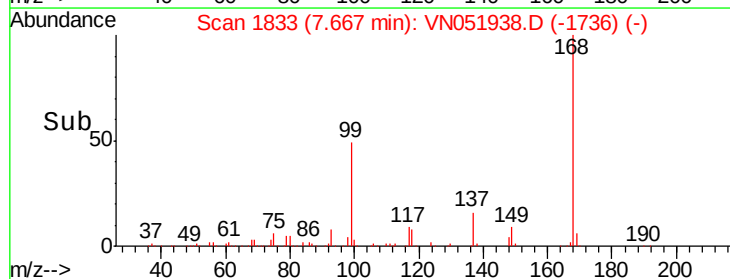
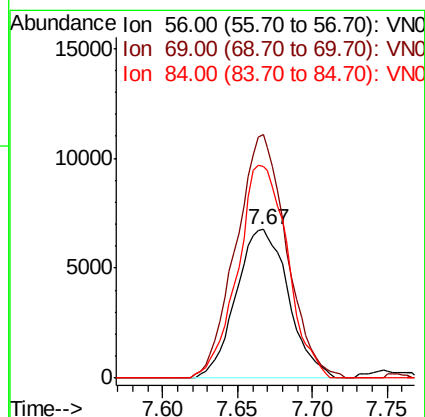
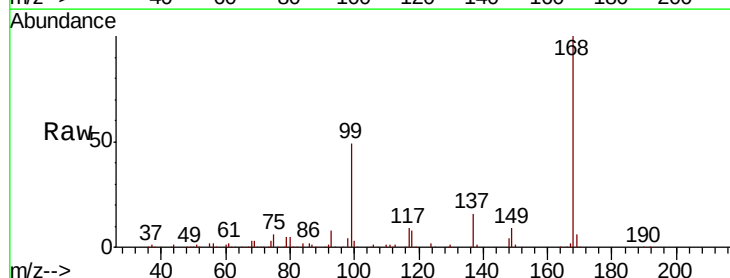
Tgt Ion: 56 Resp: 16479

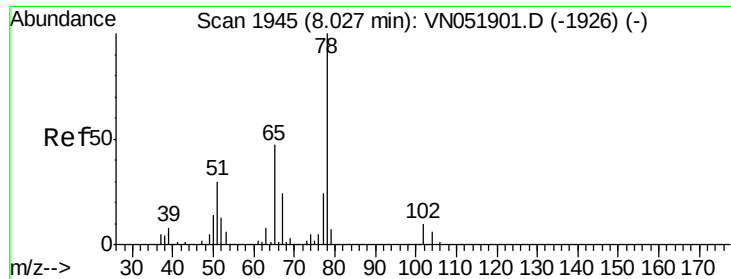
Ion Ratio Lower Upper

56 100

69 164.2 31.2 46.8#

84 142.5 86.6 130.0#

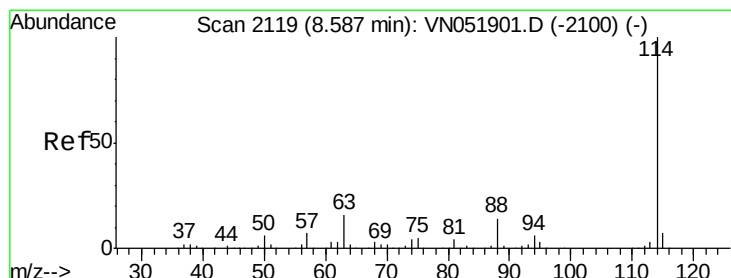
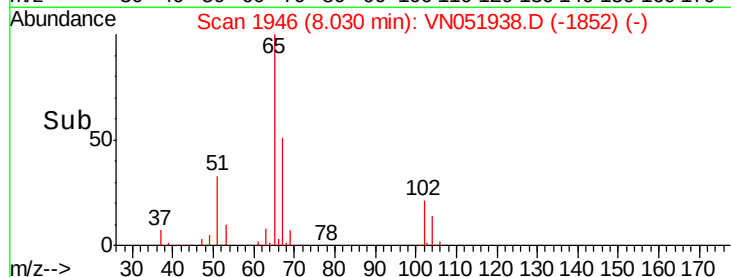
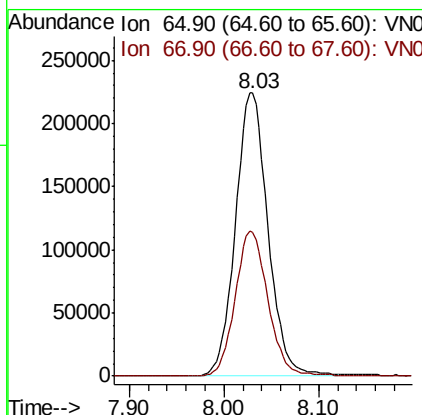
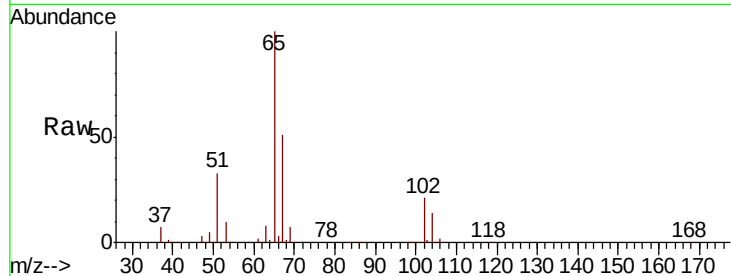




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051938.D
 Acq: 19 Oct 2018 10:53

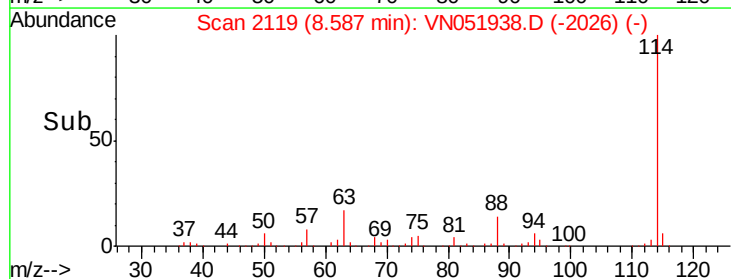
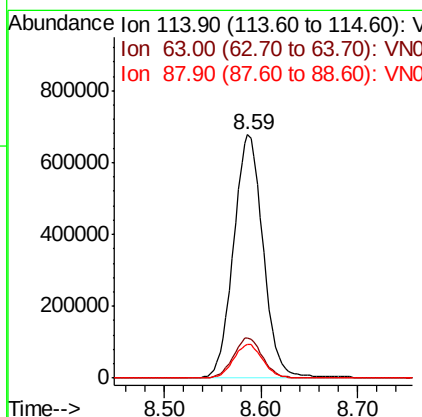
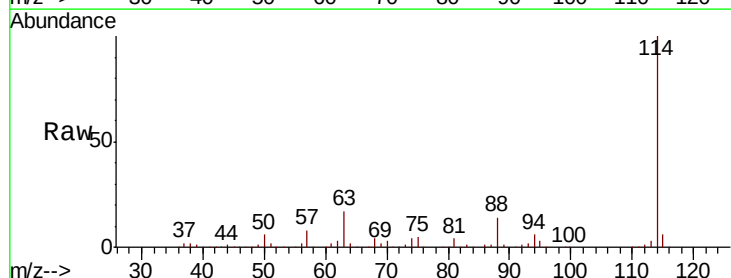
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937TB

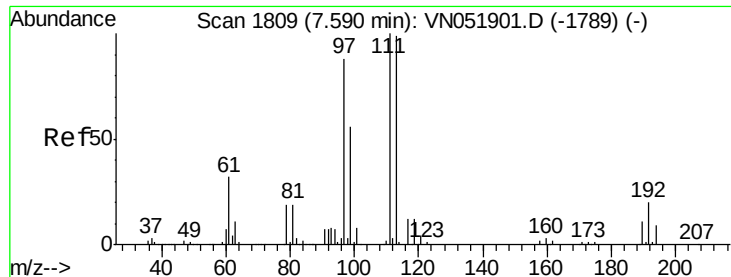
Tot Ion: 65 Resp: 536006
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051938.D
 Acq: 19 Oct 2018 10:53

Tgt Ion: 114 Resp: 1438270
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.8
 88 14.0 0.0 28.0

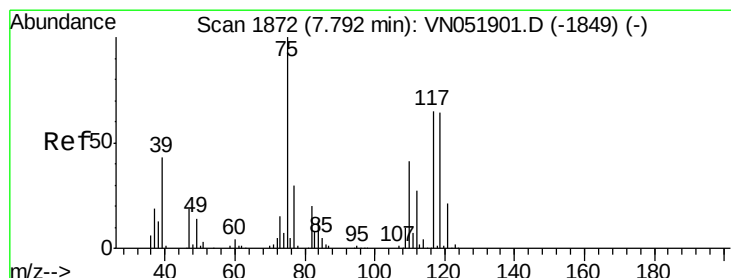
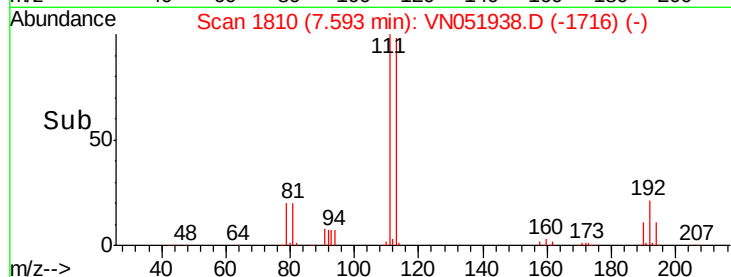
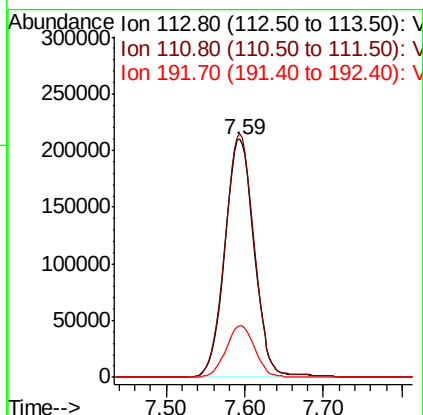
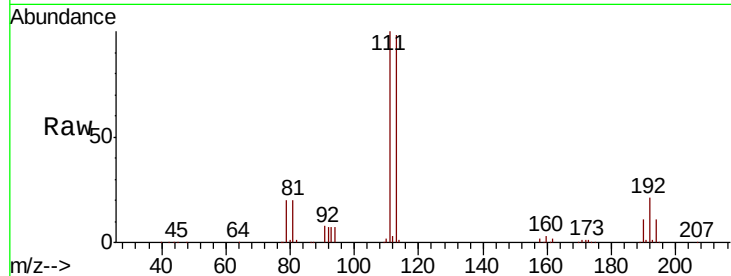




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051938.D
 Acq: 19 Oct 2018 10:53

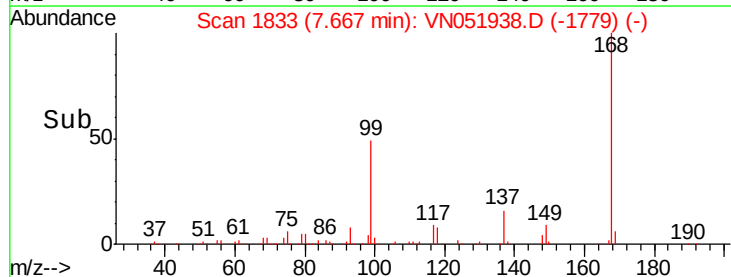
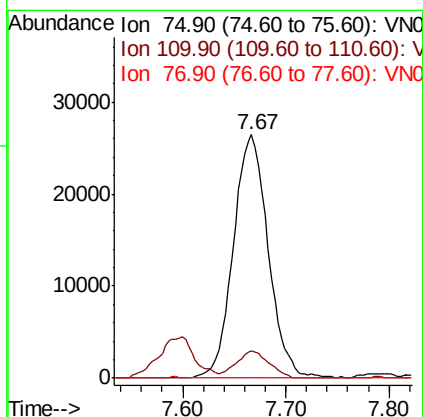
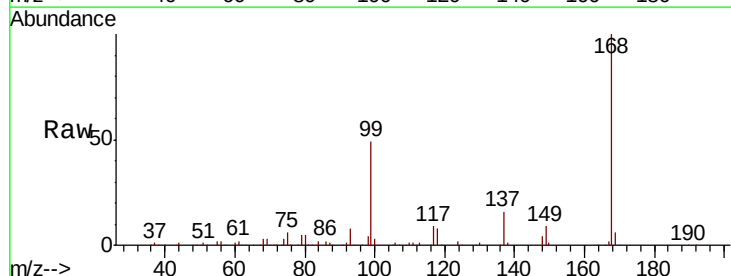
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937TB

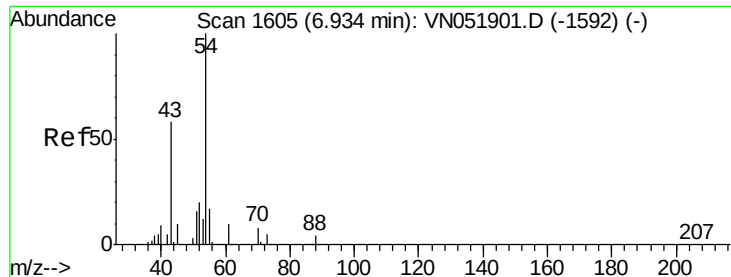
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.568 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051938.D
 Acq: 19 Oct 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	21.0	63.0#
77	0.0	24.9	37.3#

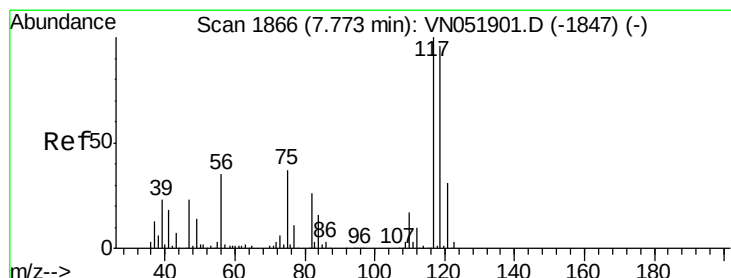
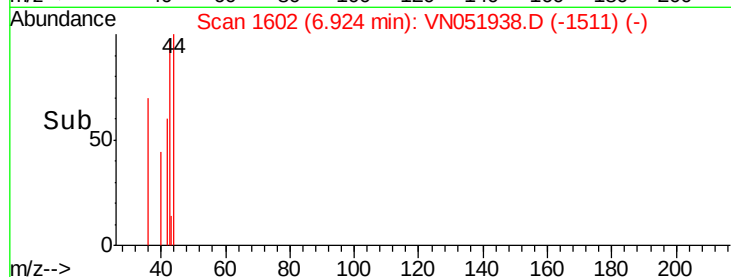
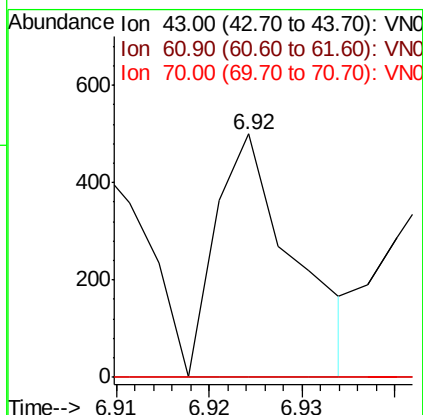
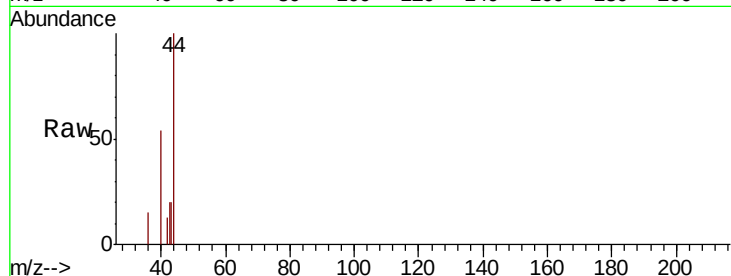




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

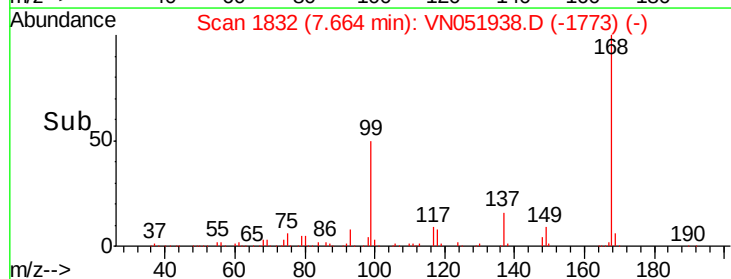
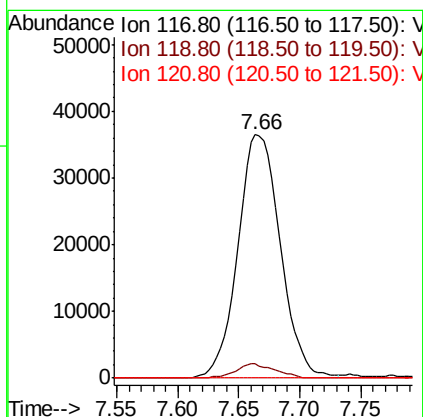
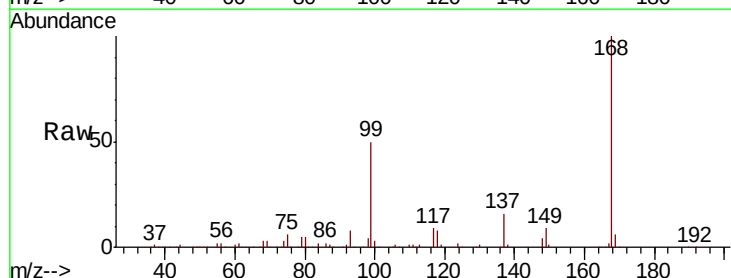
Instrument :
MSVOA_N
ClientSampleId :
PB113937TB

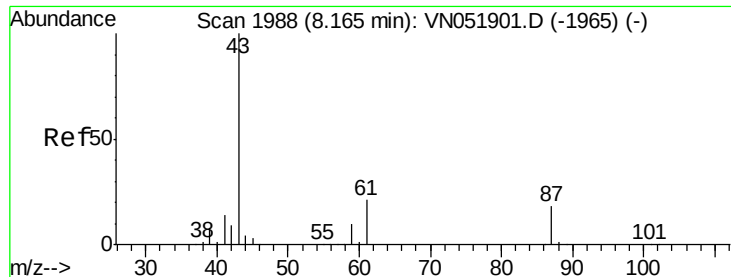
Tot Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 6.677 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Tgt Ion: 117 Resp: 87776
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 27.111 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

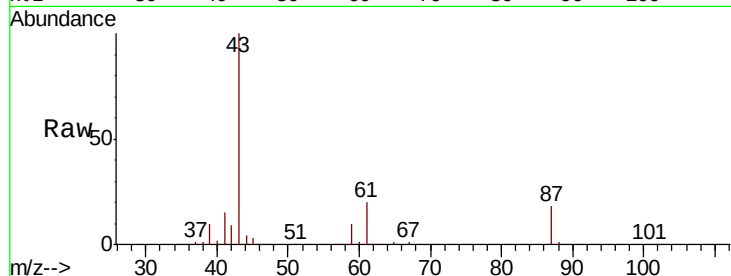
Tot Ion: 43 Resp: 281141

Ion Ratio Lower Upper

43 100

61 20.9 24.9 37.3#

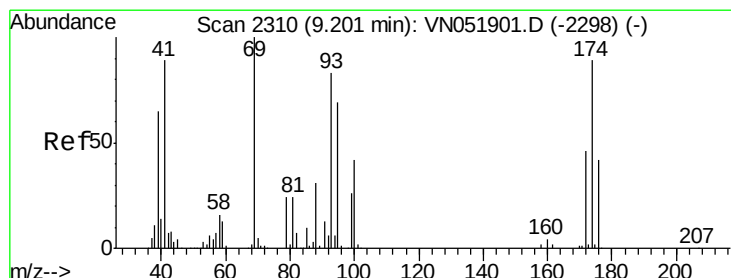
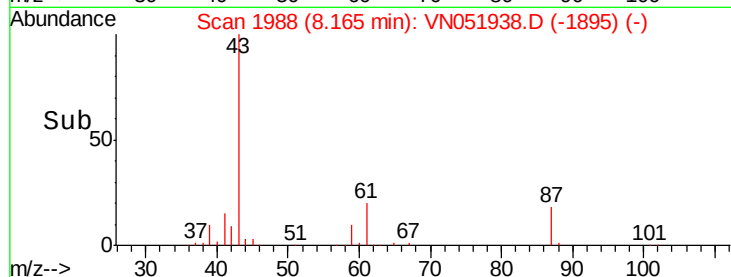
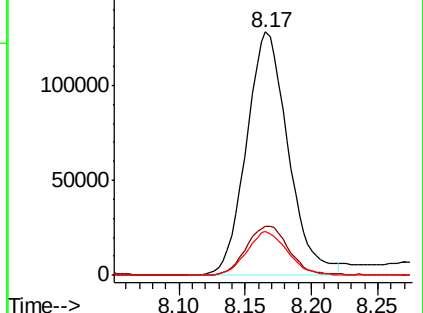
87 17.7 14.6 22.0



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



#48

Methyl methacrylate

Concen: 1.435 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

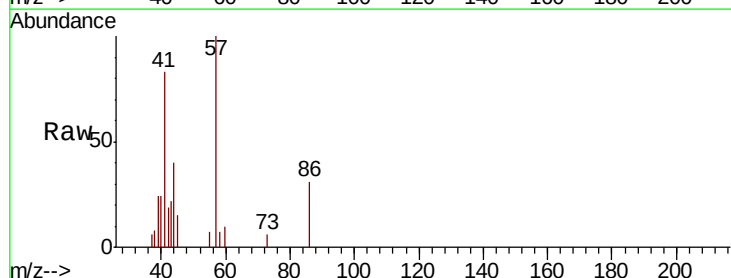
Tgt Ion: 41 Resp: 6466

Ion Ratio Lower Upper

41 100

69 3.0 90.2 135.2#

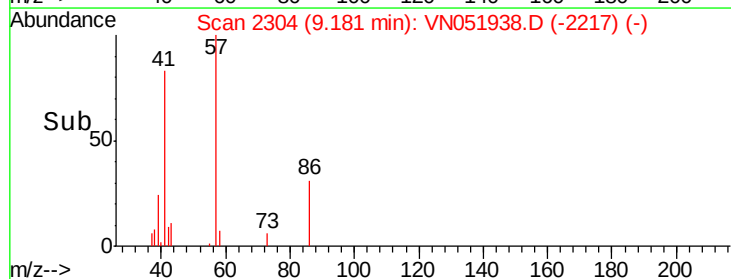
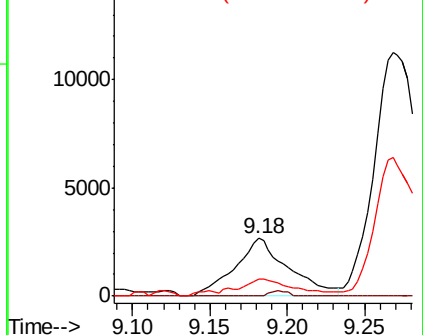
39 17.5 59.7 89.5#

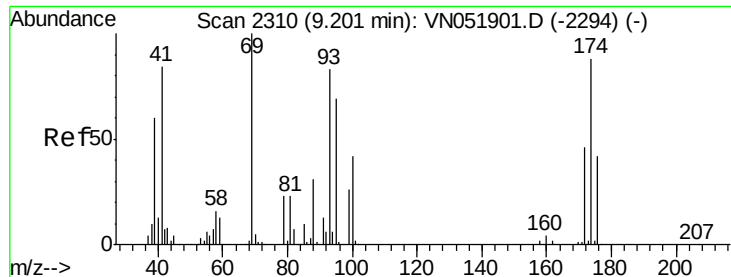


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

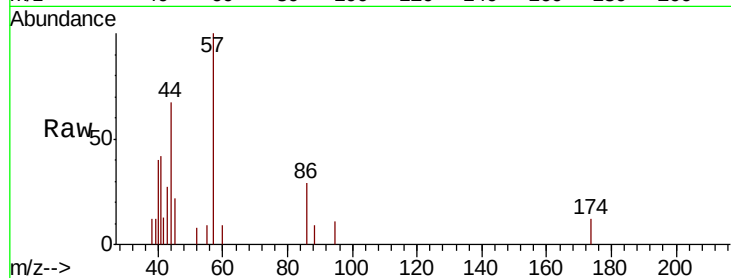




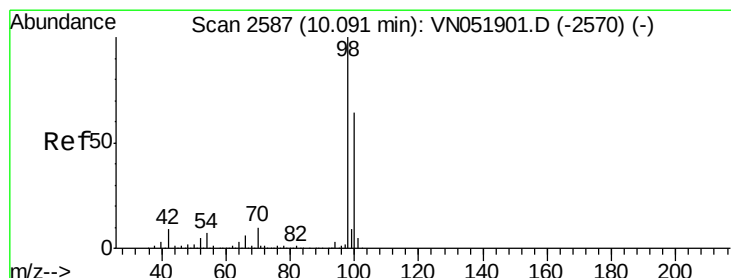
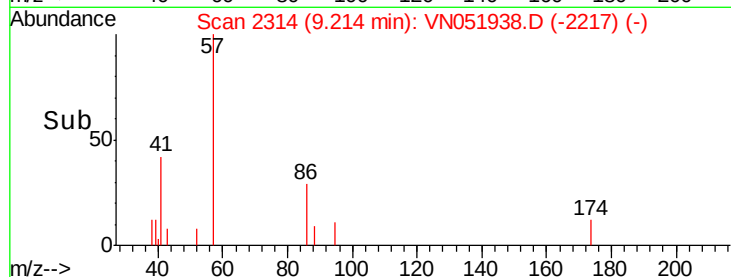
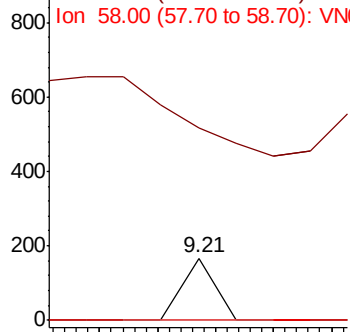
#49
1,4-Dioxane
Concen: 0.374 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
PB113937TB

Tot Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 0.0 19.7 29.5#
58 0.0 42.6 64.0#

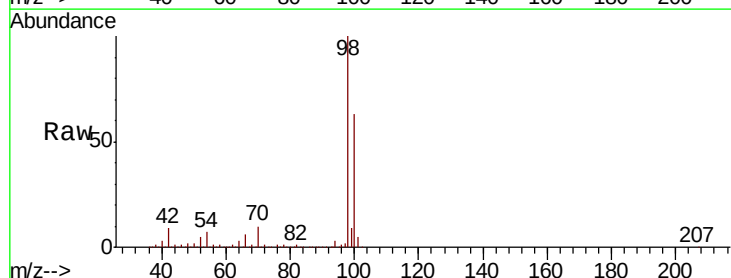


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

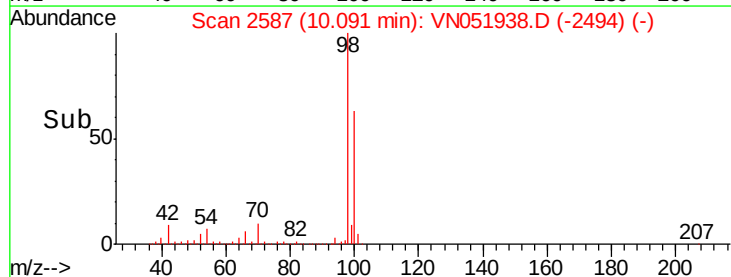
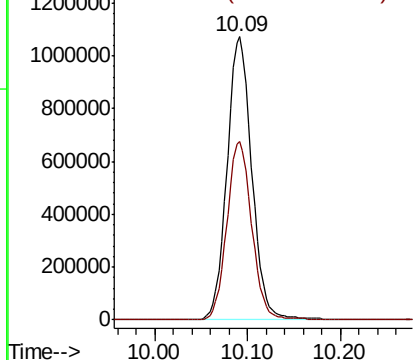


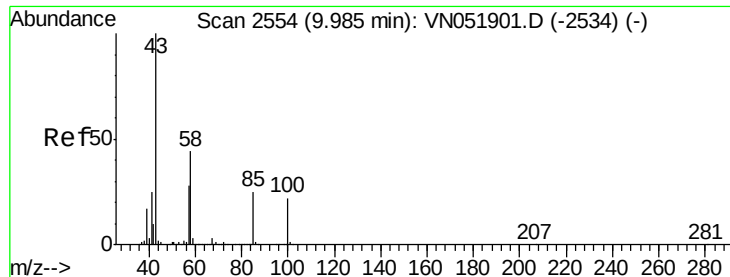
#50
Toluene-d8
Concen: 0.374 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Tgt Ion: 98 Resp: 1984440
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4



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: 0.307 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

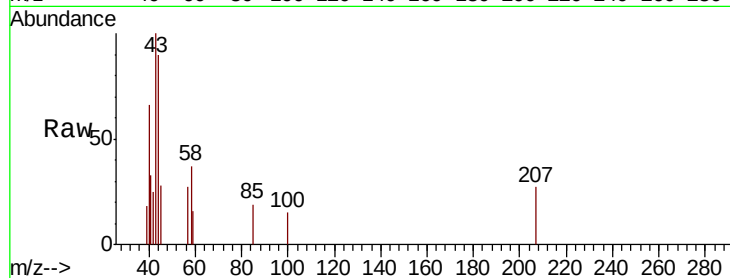
PB113937TB

Tot Ion: 43 Resp: 1594

Ion Ratio Lower Upper

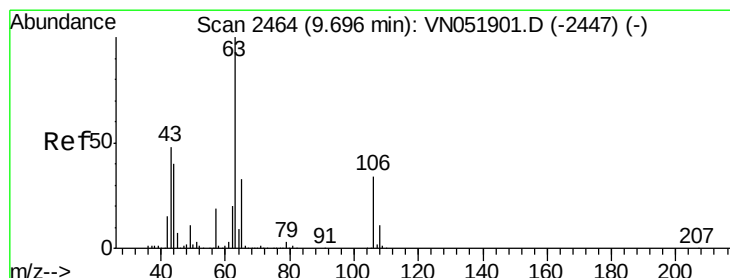
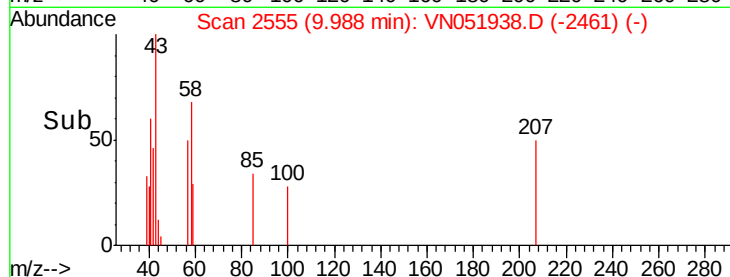
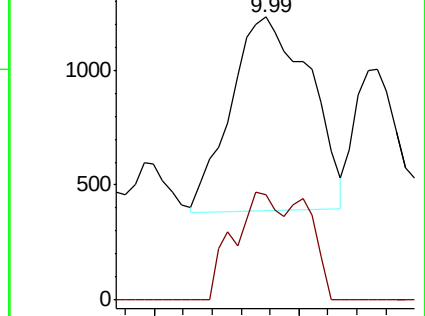
43 100

58 33.8 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 2.765 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051938.D

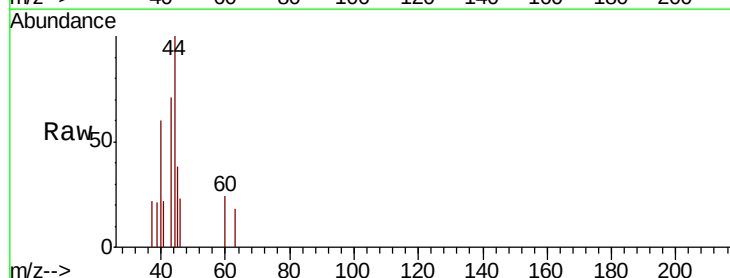
Acq: 19 Oct 2018 10:53

Tgt Ion: 63 Resp: 59

Ion Ratio Lower Upper

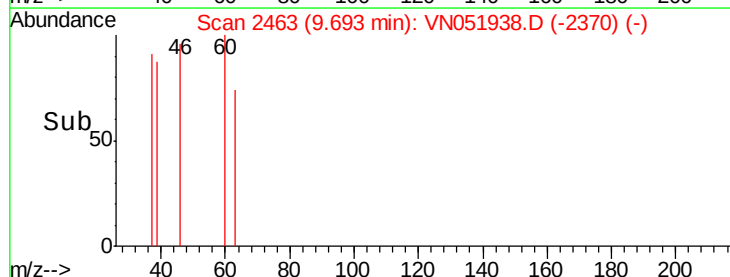
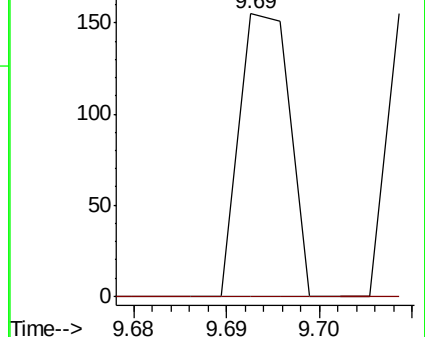
63 100

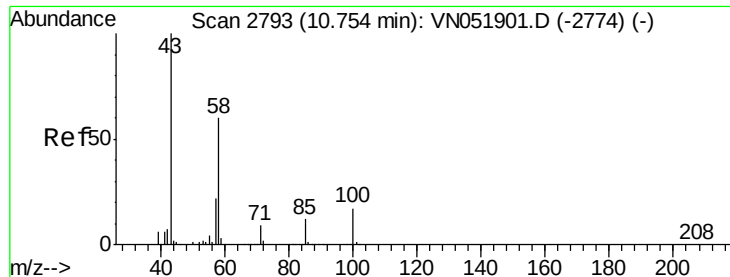
106 0.0 27.5 41.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

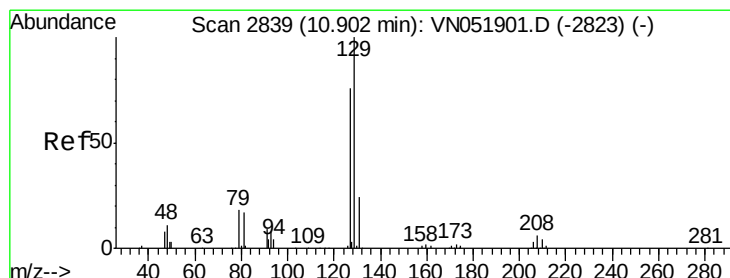
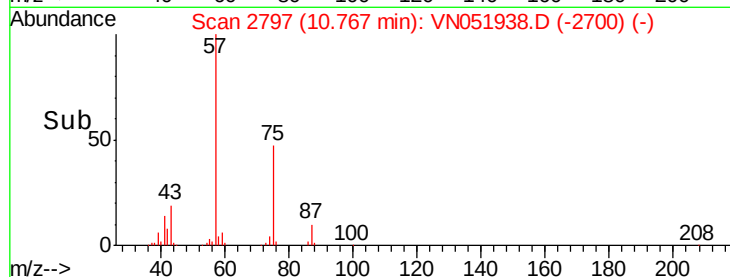
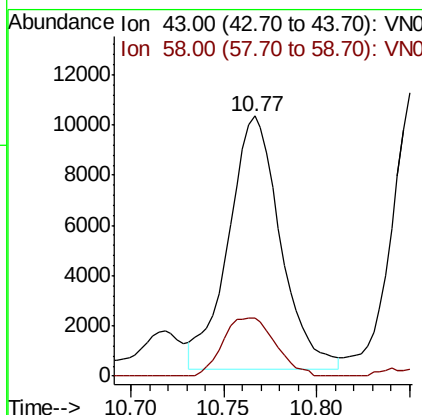
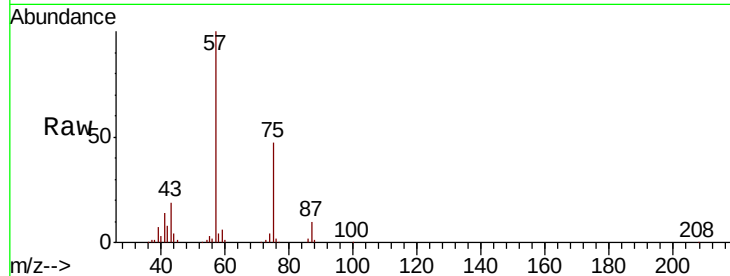




#59
2-Hexanone
Concen: 5.635 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

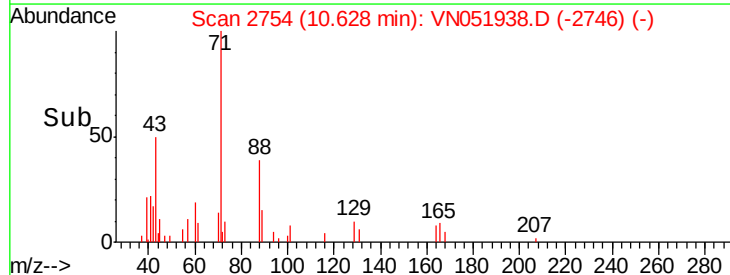
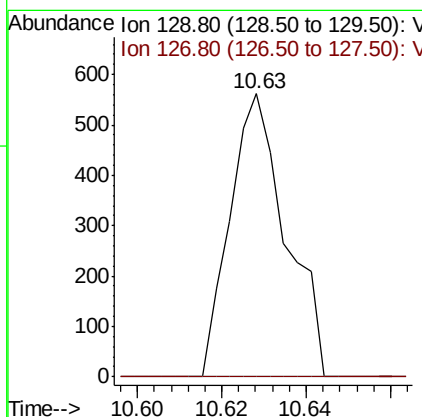
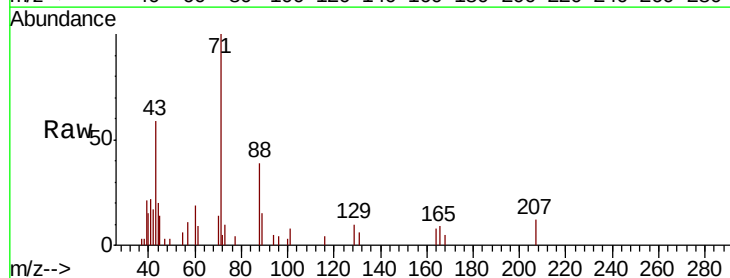
Instrument :
MSVOA_N
ClientSampleId :
PB113937TB

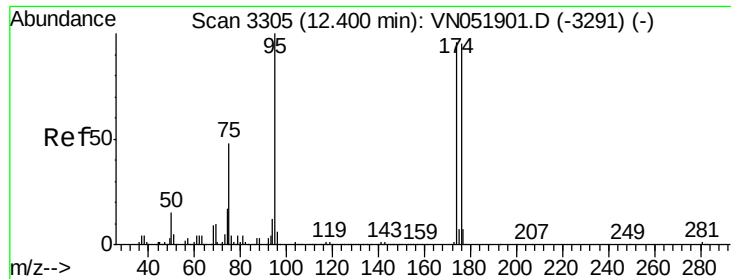
Tot Ion: 43 Resp: 19636
Ion Ratio Lower Upper
43 100
58 23.2 29.8 89.5#



#60
Dibromochloromethane
Concen: 2.097 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Tgt Ion: 129 Resp: 518
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

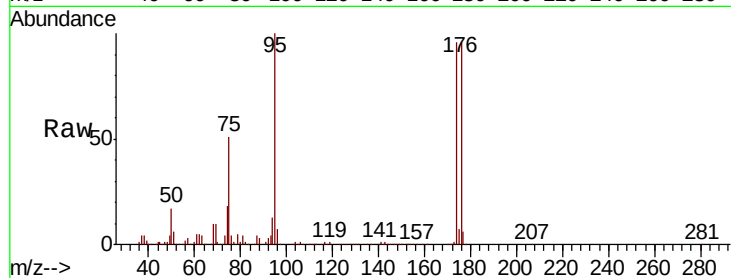
Tot Ion: 95 Resp: 557805

Ion Ratio Lower Upper

95 100

174 96.4 0.0 195.0

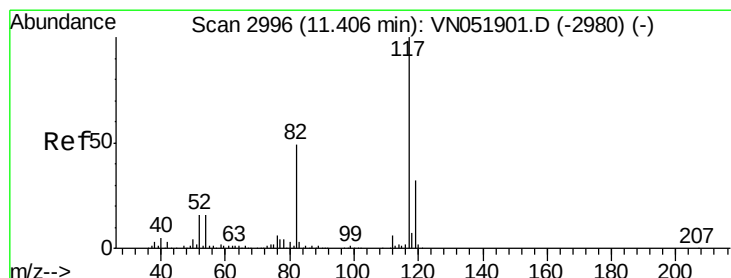
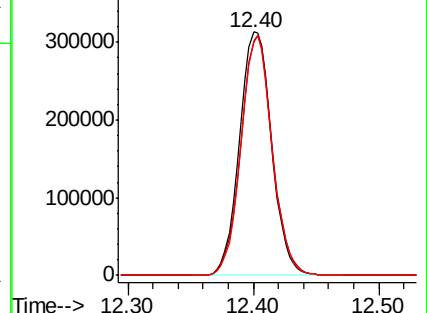
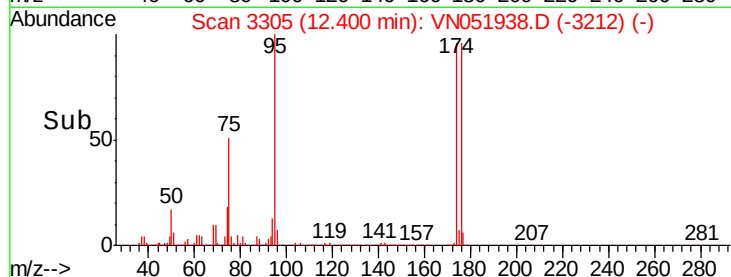
176 94.7 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VN051938.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN051938.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051938.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

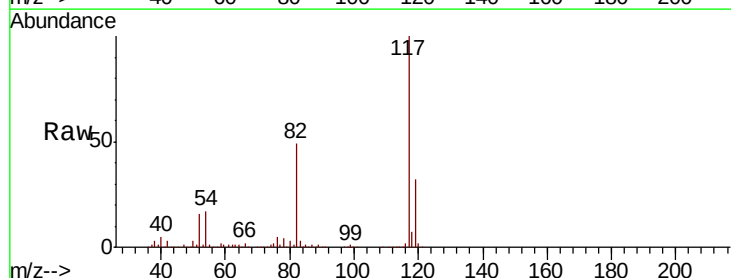
Tgt Ion: 117 Resp: 1287401

Ion Ratio Lower Upper

117 100

82 48.6 38.9 58.3

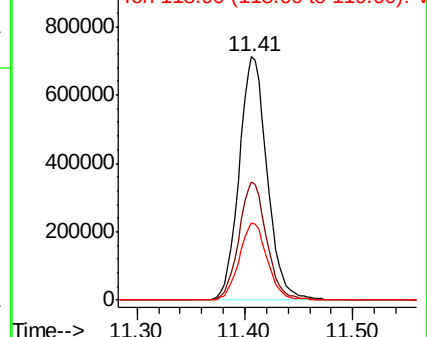
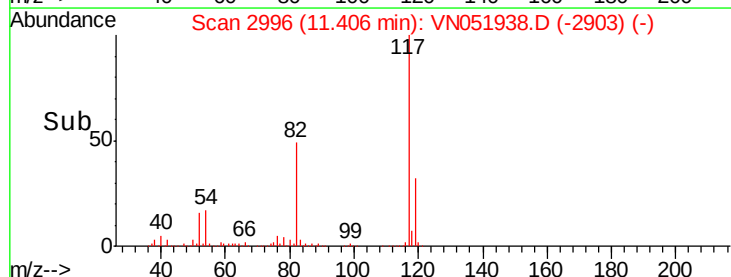
119 31.5 25.9 38.9

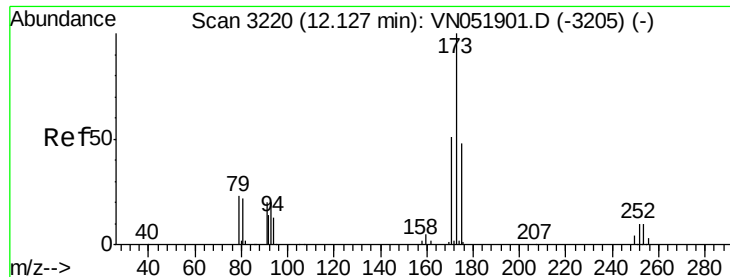


Abundance Ion 116.90 (116.60 to 117.60): VN051938.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN051938.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN051938.D (-2903) (-)

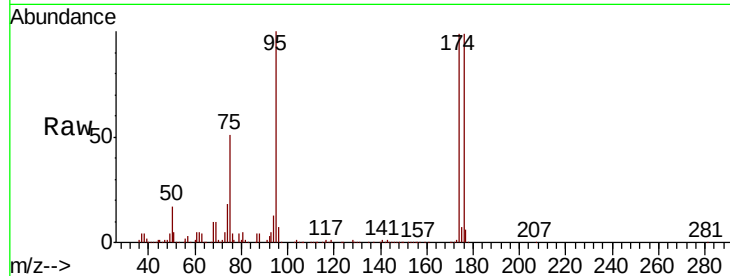




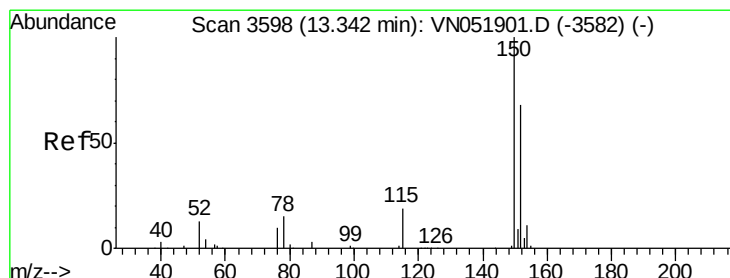
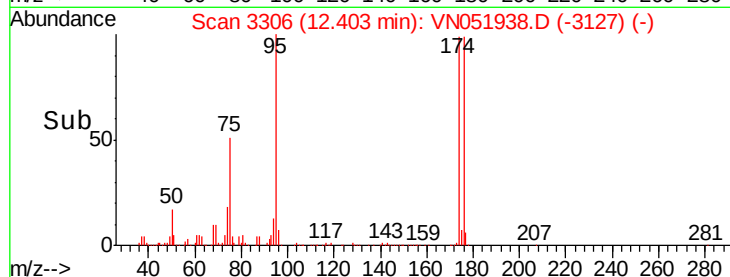
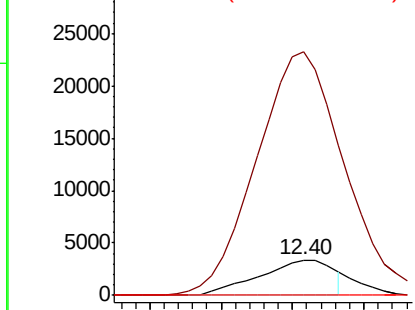
#71
Bromoform
Concen: 3.864 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
PB113937TB

Tot Ion:173 Resp: 4854
Ion Ratio Lower Upper
173 100
175 690.9 24.0 72.0#
254 0.0 0.2 0.2#

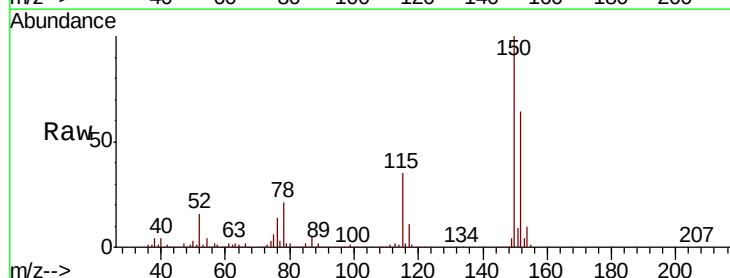


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

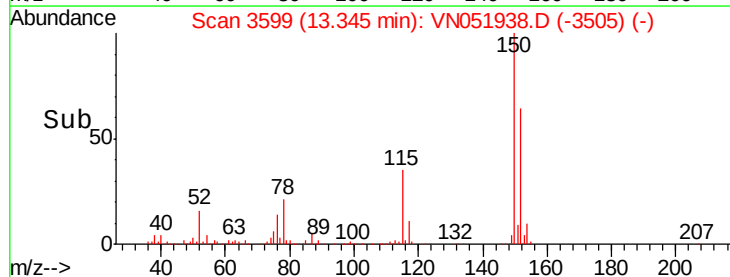
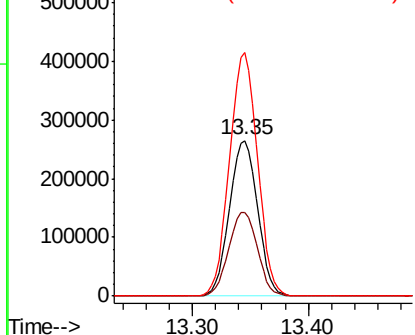


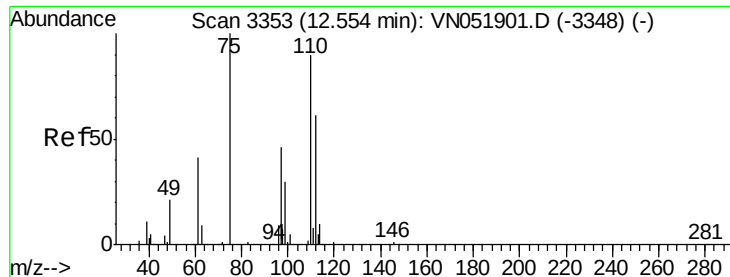
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051938.D
Acq: 19 Oct 2018 10:53

Tgt Ion:152 Resp: 443979
Ion Ratio Lower Upper
152 100
115 54.9 26.7 80.1
150 155.7 0.0 346.4



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: 52.282 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

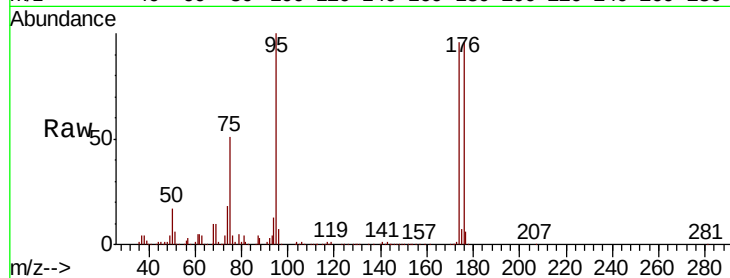
PB113937TB

Tot Ion: 75 Resp: 282131

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

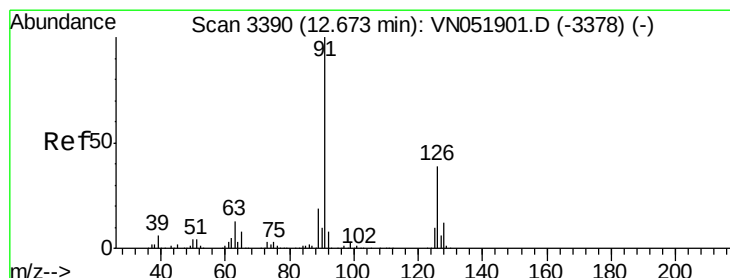
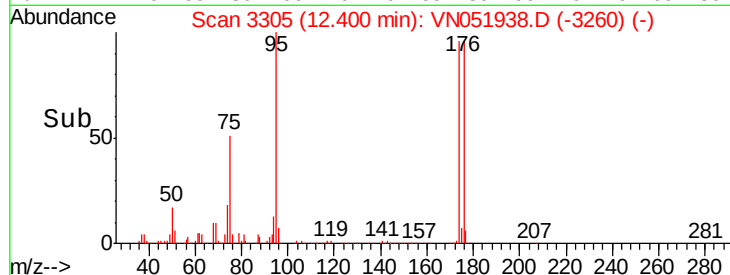
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051938.D

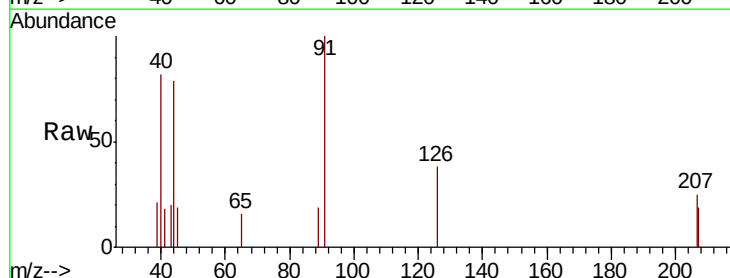
Acq: 19 Oct 2018 10:53

Tgt Ion: 91 Resp: 2086

Ion Ratio Lower Upper

91 100

126 28.8 19.6 58.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.68

1200

1000

800

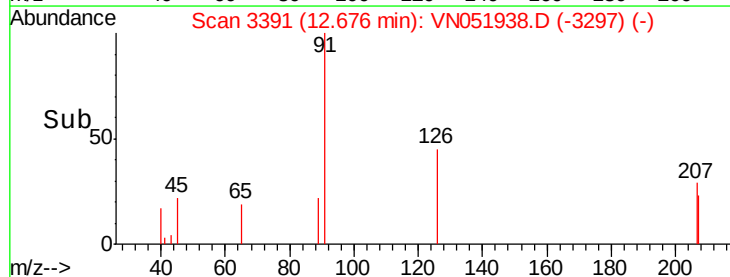
600

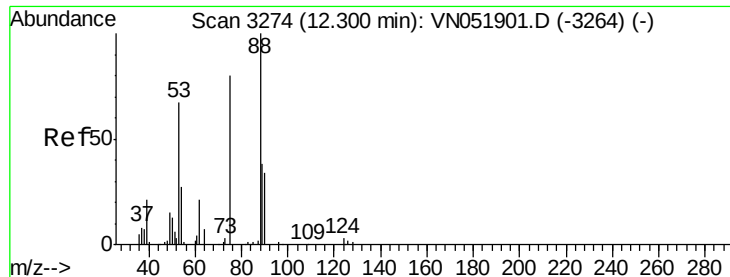
400

200

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 171.803 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

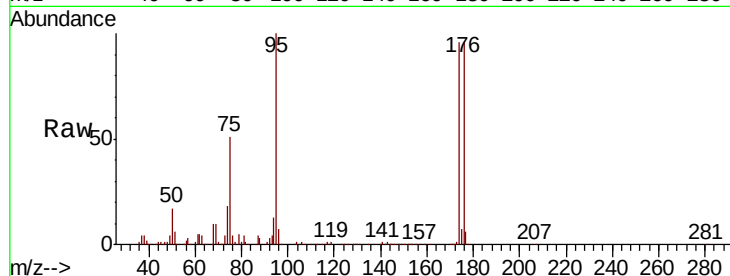
Tot Ion: 75 Resp: 282131

Ion Ratio Lower Upper

75 100

53 0.1 68.5 102.7#

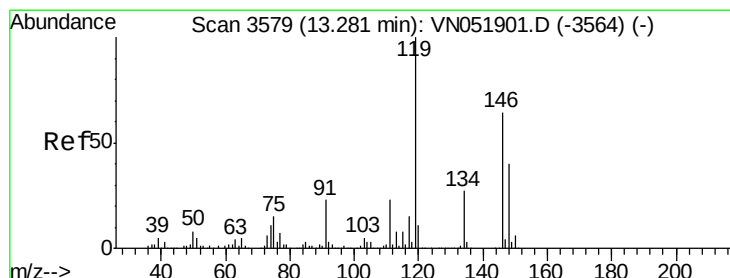
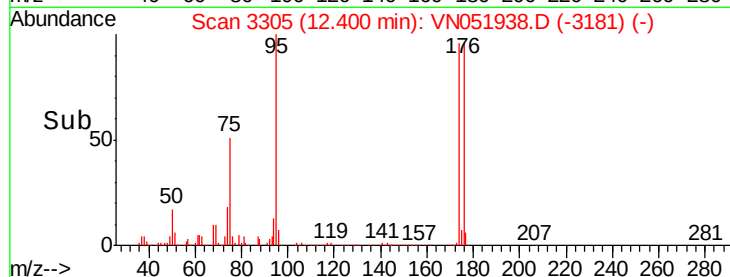
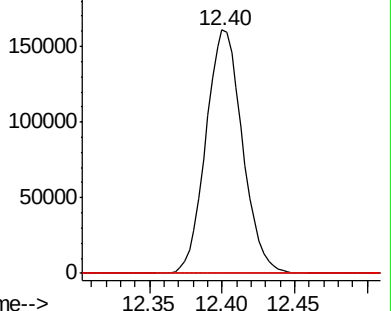
89 0.0 39.0 58.6#



Abundance Ion 74.90 (74.60 to 75.60): VN051938.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051938.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051938.D (-3181) (-)



#87

1,3-Dichlorobenzene

Concen: 0.220 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

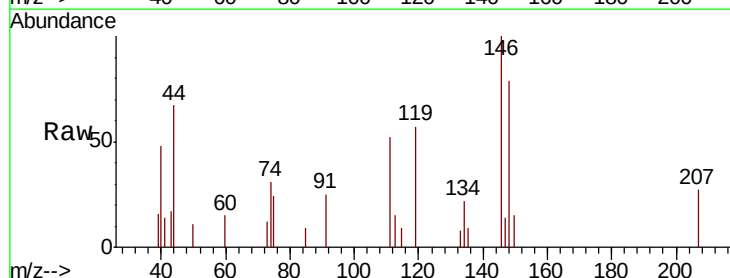
Tgt Ion: 146 Resp: 3250

Ion Ratio Lower Upper

146 100

111 38.9 18.3 54.8

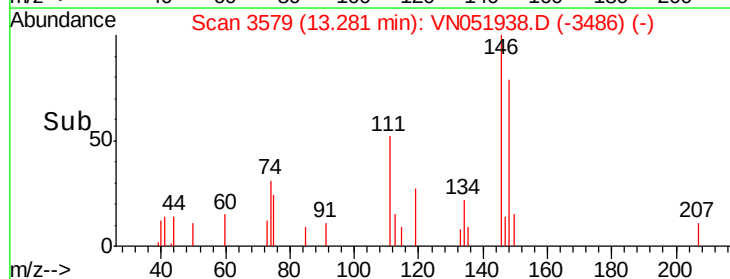
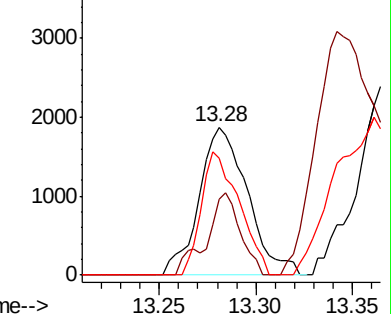
148 65.1 31.9 95.7

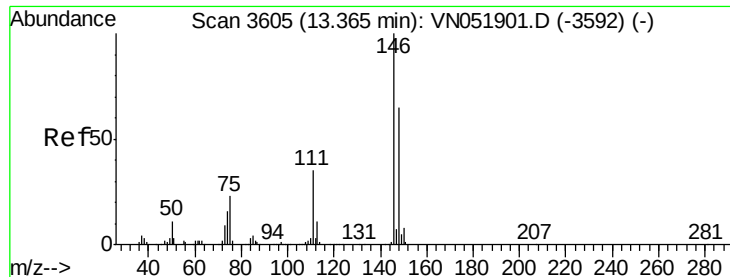


Abundance Ion 145.90 (145.60 to 146.60): VN051938.D (-3486) (-)

Ion 110.90 (110.60 to 111.60): VN051938.D (-3486) (-)

Ion 147.90 (147.60 to 148.60): VN051938.D (-3486) (-)





#88

1,4-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

PB113937TB

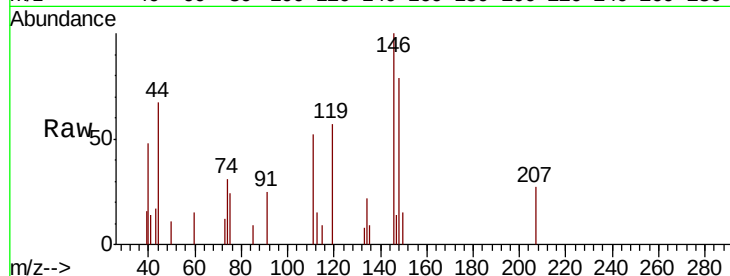
Tot Ion:146 Resp: 3250

Ion Ratio Lower Upper

146 100

111 38.9 17.9 53.7

148 65.1 32.8 98.3

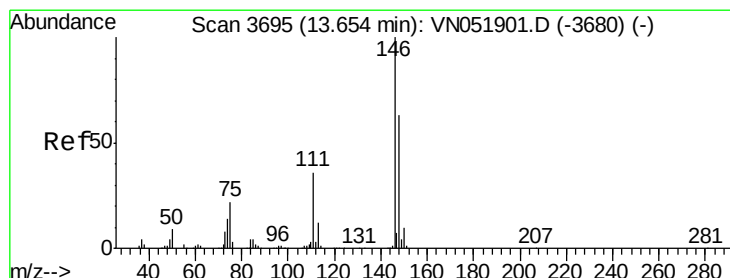
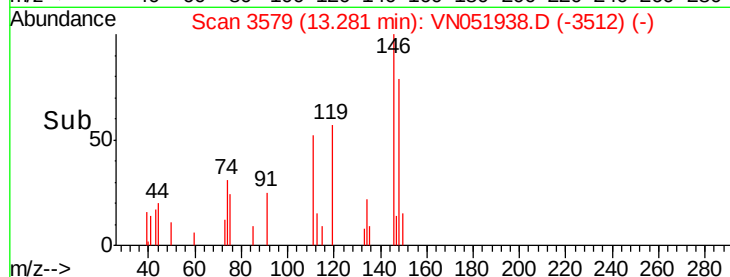
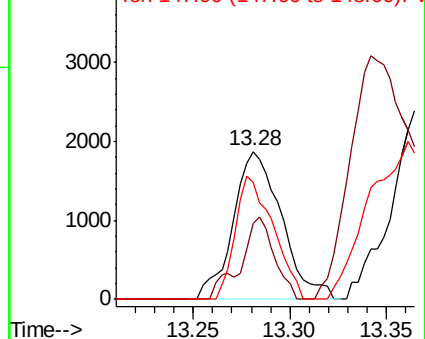


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.244 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

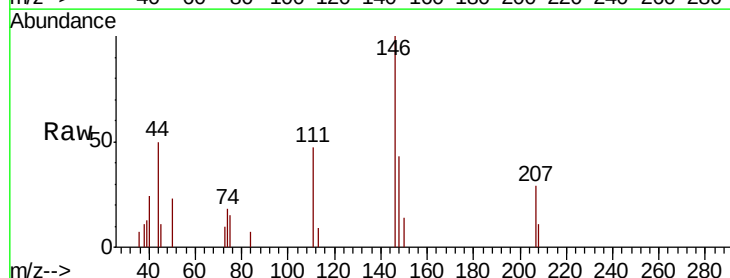
Tgt Ion:146 Resp: 3481

Ion Ratio Lower Upper

146 100

111 38.5 18.6 55.6

148 56.6 32.0 96.2

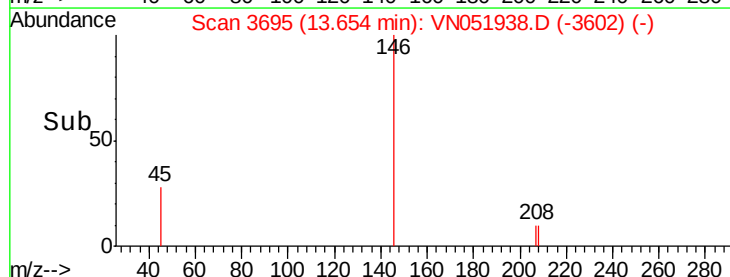
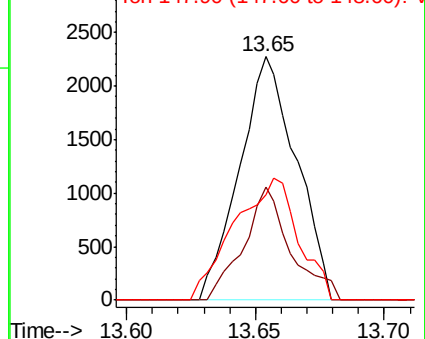


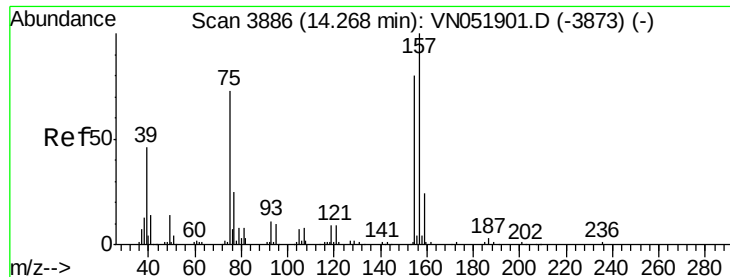
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.385 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

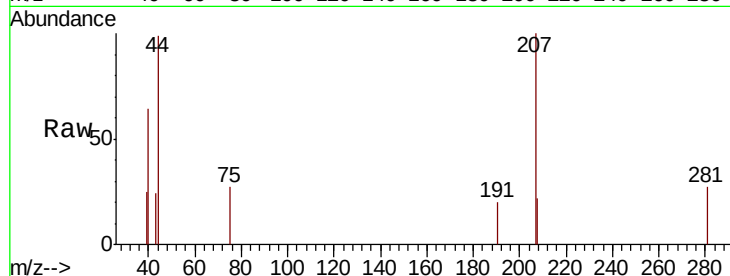
Tot Ion: 75 Resp: 358

Ion Ratio Lower Upper

75 100

155 25.4 53.4 160.2#

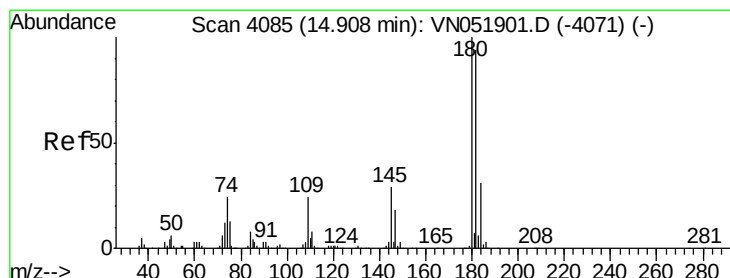
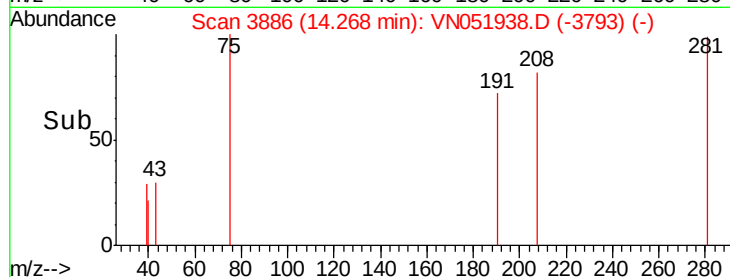
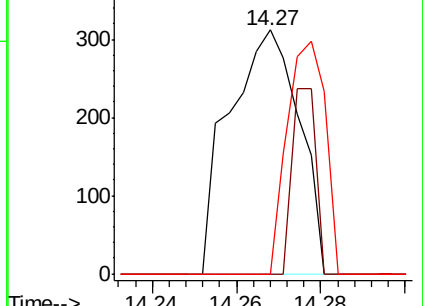
157 52.0 69.3 207.9#



Abundance Ion 74.90 (74.60 to 75.60): VN051938.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN051938.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN051938.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.603 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

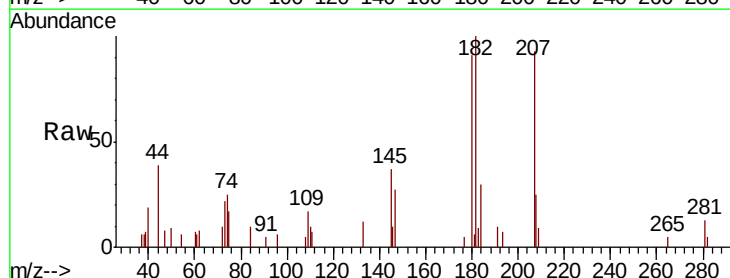
Tgt Ion: 180 Resp: 4244

Ion Ratio Lower Upper

180 100

182 103.3 47.3 141.9

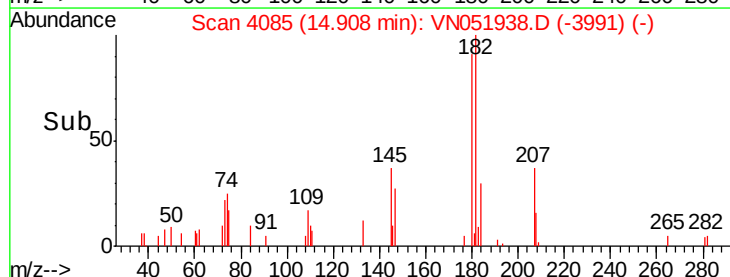
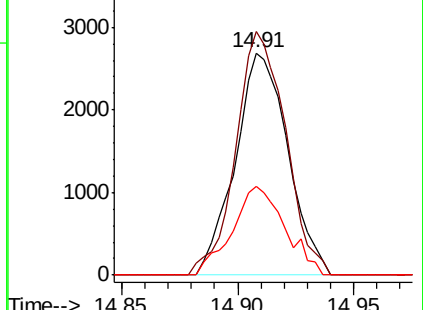
145 40.0 14.5 43.5

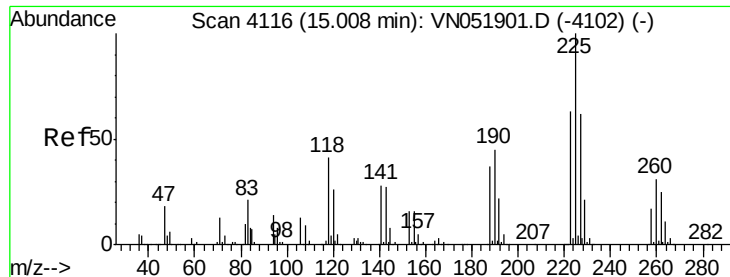


Abundance Ion 179.80 (179.50 to 180.50): VN051938.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN051938.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN051938.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.253 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

PB113937TB

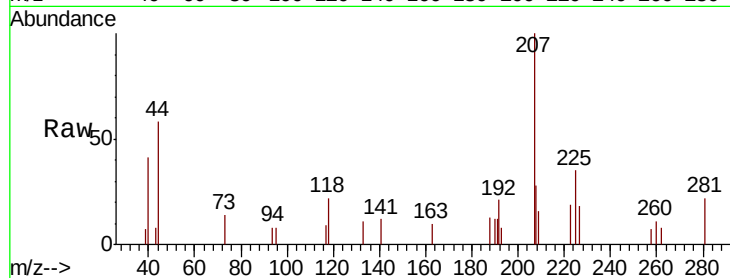
Tot Ion:225 Resp: 1143

Ion Ratio Lower Upper

225 100

223 72.1 32.0 96.2

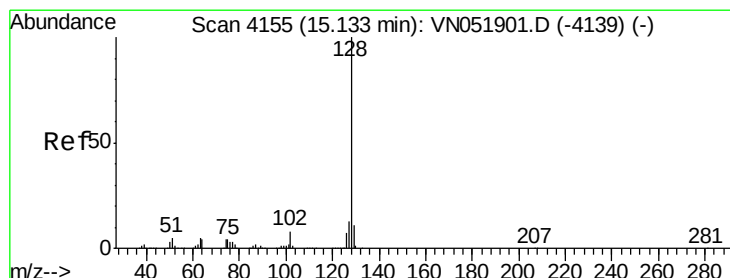
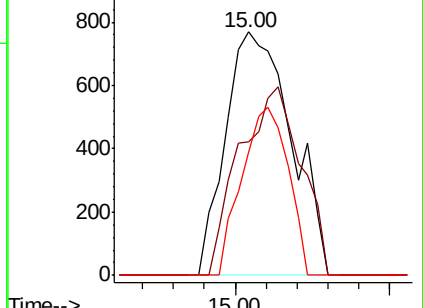
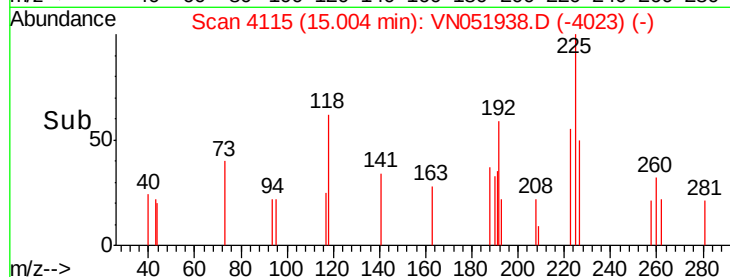
227 48.3 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.836 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051938.D

Acq: 19 Oct 2018 10:53

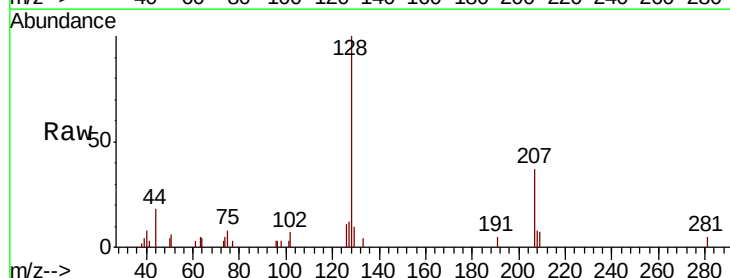
Tgt Ion:128 Resp: 12261

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

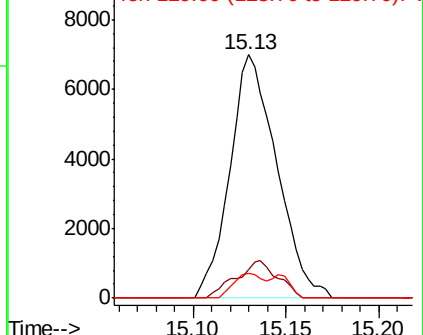
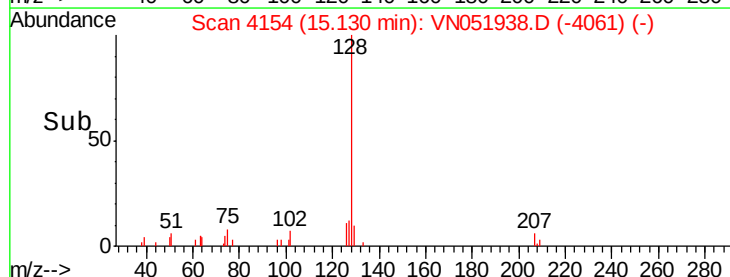
129 6.6 8.5 12.7#

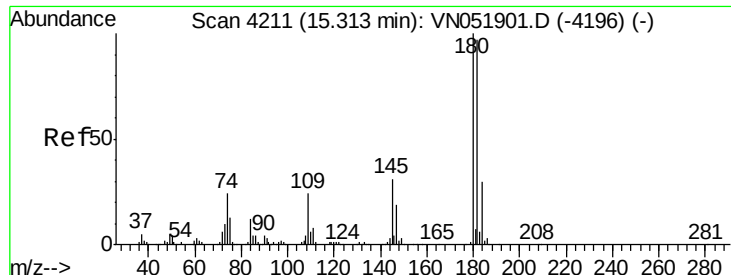


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

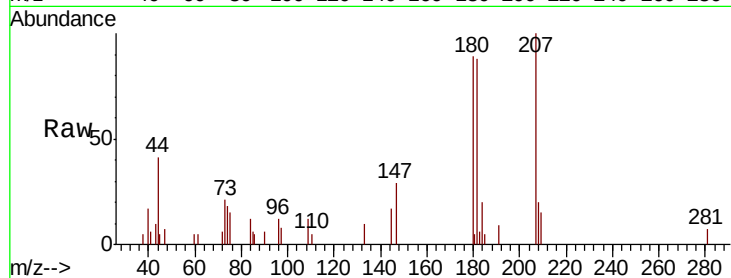




#96
 1,2,3-Trichlorobenzene
 Concen: 3.552 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051938.D
 Acq: 19 Oct 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.9	143.8
145	17.1	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

