

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052004.D
 Acq On : 25 Oct 2018 11:47
 Operator : MD\SY
 Sample : PB114157ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#01

Quant Time: Oct 26 01:10:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1134355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1652540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	762030	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	589468	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	
35) Dibromofluoromethane	7.59	113	608786	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
50) Toluene-d8	10.09	98	2276308	59.74	ug/l	0.00
Spiked Amount			Recovery	=	119.48%	
62) 4-Bromofluorobenzene	12.40	95	752659	57.46	ug/l	0.00
Spiked Amount			Recovery	=	114.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.96	142	2839	0.207	ug/l #	92
13) Acrolein	3.61	56	185	37.795	ug/l #	1
16) Acetone	3.82	43	9181	5.516	ug/l #	79
17) Carbon Disulfide	4.06	76	5791	0.293	ug/l	96
18) Methyl Acetate	4.34	43	6845	Below Cal		95
20) Methylene Chloride	4.56	84	8465	0.867	ug/l #	89
25) 2-Butanone	6.86	43	2678	1.129	ug/l	98
29) Tetrahydrofuran	7.22	42	1263	0.786	ug/l #	60
31) Cyclohexane	7.66	56	17104	Below Cal	#	32
36) 1,1-Dichloropropene	7.67	75	65661	5.180	ug/l #	48
37) Ethyl Acetate	6.93	43	268	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	100540	6.909	ug/l #	16
43) Isopropyl Acetate	8.16	43	326365	30.742	ug/l	100
48) Methyl methacrylate	9.18	41	6760	1.317	ug/l #	9
49) 1,4-Dioxane	9.17	88	38	0.404	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1489	0.255	ug/l	92
53) t-1,3-Dichloropropene	10.39	75	823	1.305	ug/l #	1
59) 2-Hexanone	10.77	43	22608	5.762	ug/l #	55
60) Dibromochloromethane	10.90	129	193	1.993	ug/l	78
71) Bromoform	12.14	173	435	3.741	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	354166	44.994	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9735	0.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	354166	141.613	ug/l #	12
87) 1,3-Dichlorobenzene	13.28	146	6462	0.263	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	6462	0.266	ug/l	98
89) n-Butylbenzene	13.61	91	9095	0.265	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	6242	0.262	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	513	0.335	ug/l	65
93) 1,2,4-Trichlorobenzene	14.91	180	12350	0.879	ug/l	98
94) Hexachlorobutadiene	15.01	225	5112	0.708	ug/l	94
95) Naphthalene	15.13	128	28170	0.923	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	13022	0.969	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

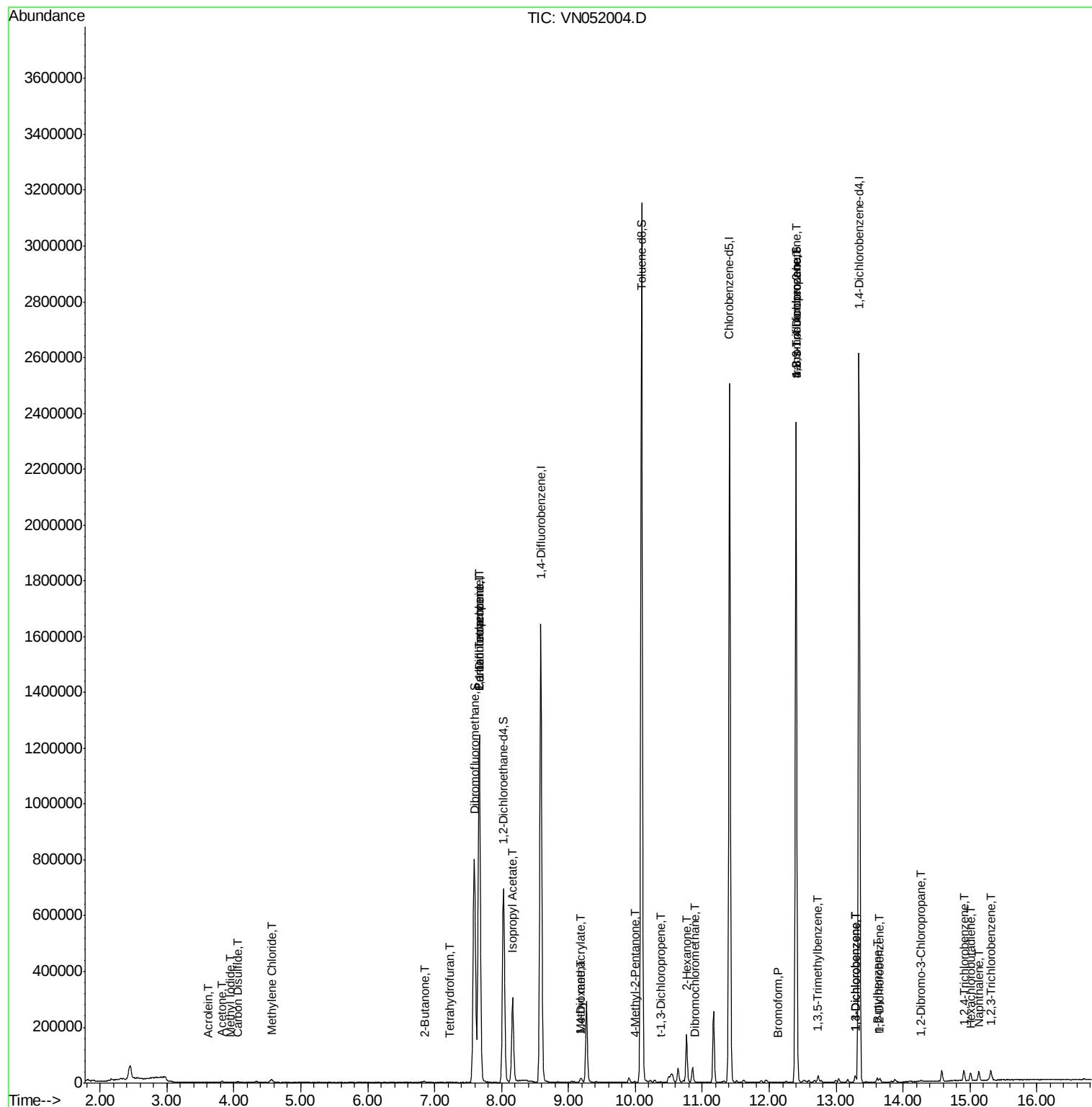
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

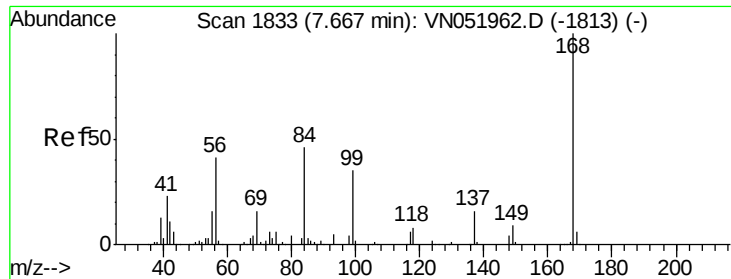
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102518\
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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: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

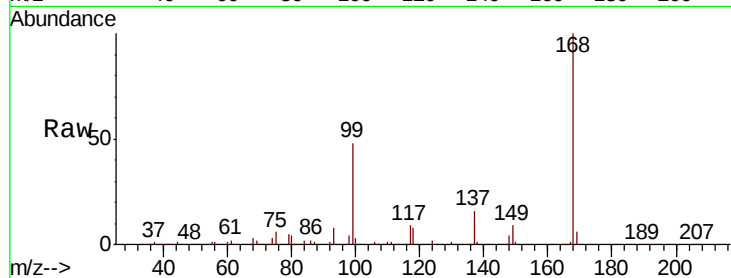
PB114157ZHE#01

Tot Ion:168 Resp: 1134355

Ion Ratio Lower Upper

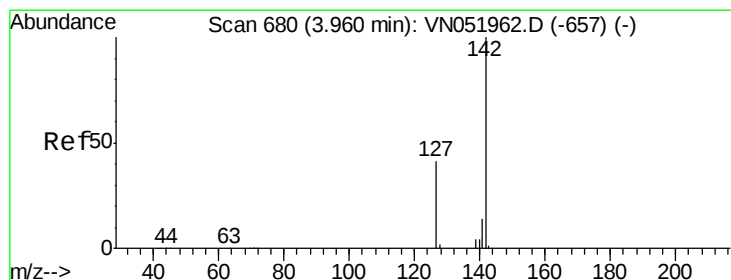
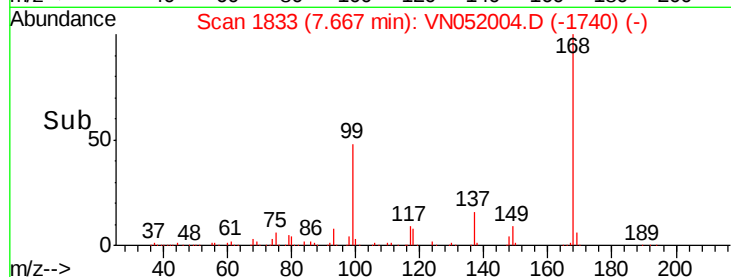
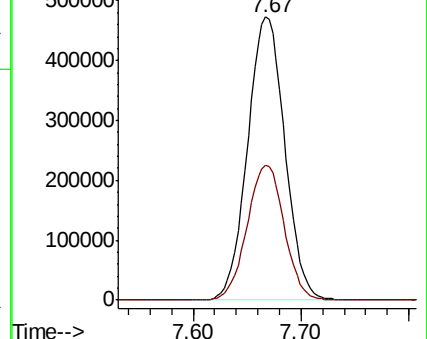
168 100

99 47.5 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 0.207 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

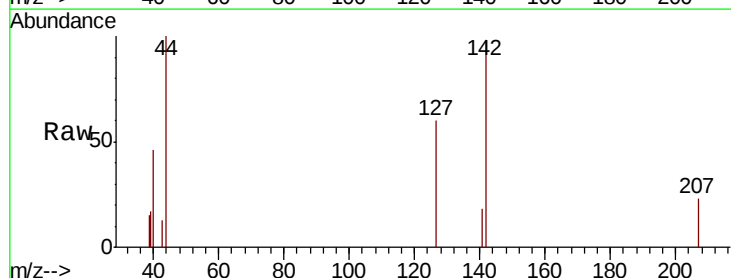
Tgt Ion:142 Resp: 2839

Ion Ratio Lower Upper

142 100

127 47.0 34.3 51.5

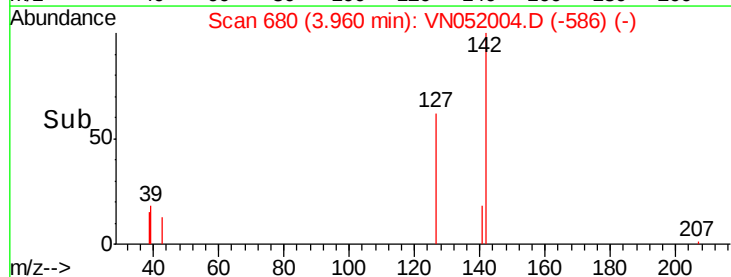
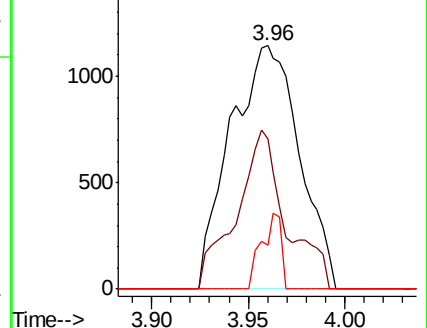
141 8.9 11.4 17.0#

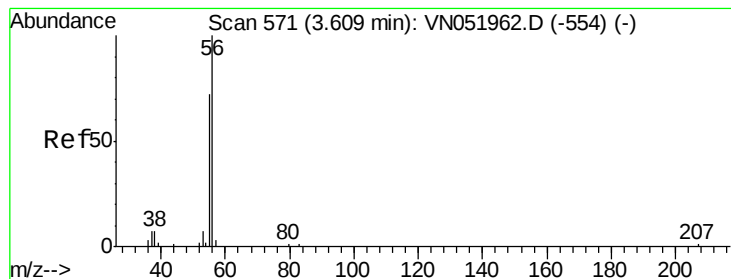


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 37.795 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

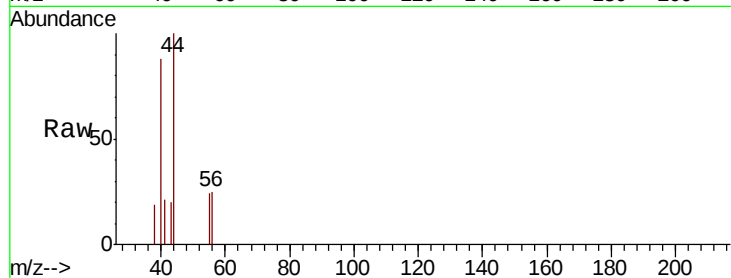
PB114157ZHE#01

Tot Ion: 56 Resp: 185

Ion Ratio Lower Upper

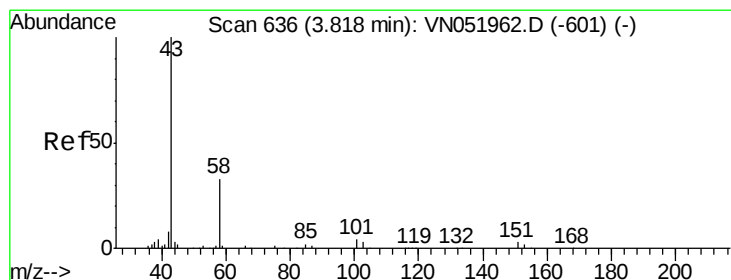
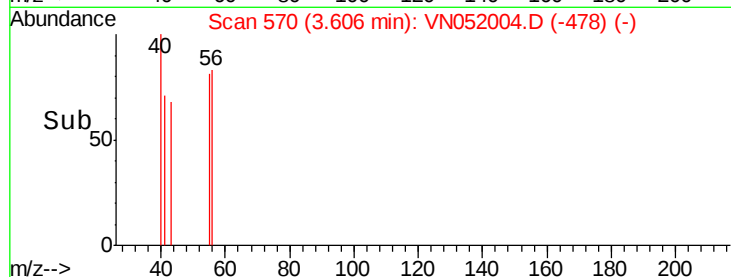
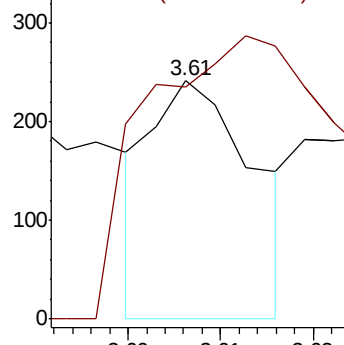
56 100

55 253.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.516 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052004.D

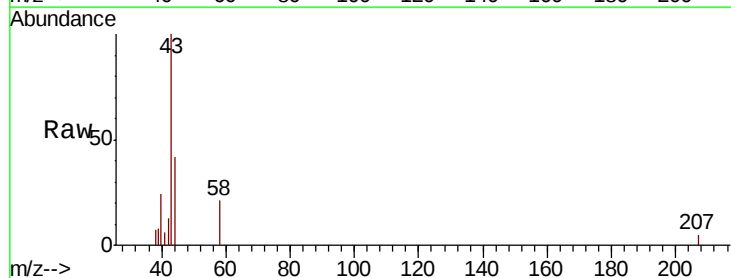
Acq: 25 Oct 2018 11:47

Tgt Ion: 43 Resp: 9181

Ion Ratio Lower Upper

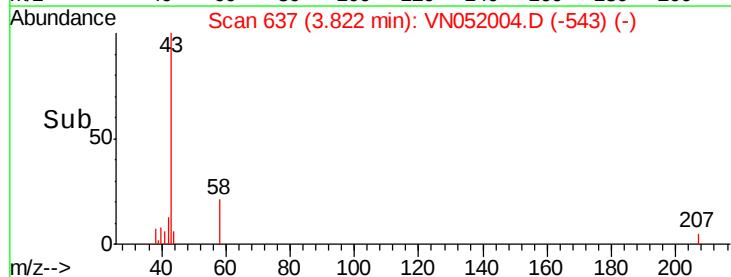
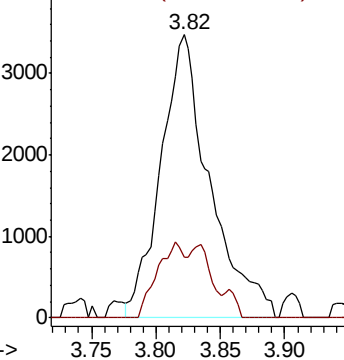
43 100

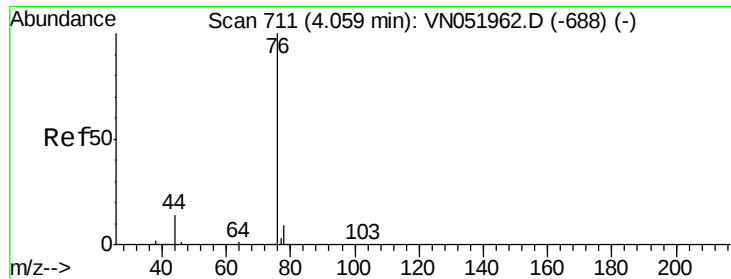
58 21.3 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.293 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

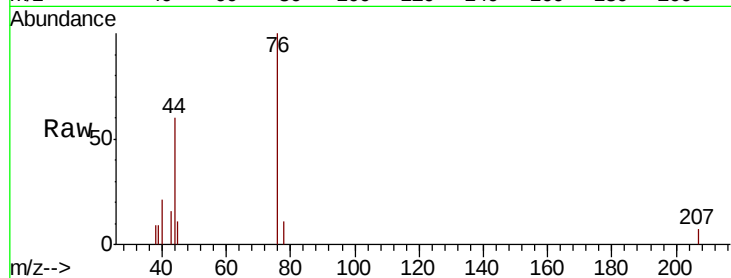
PB114157ZHE#01

Tot Ion: 76 Resp: 5791

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-688) (-)

4.06

2500

2000

1500

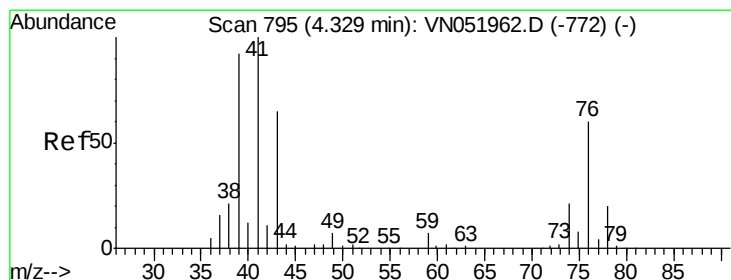
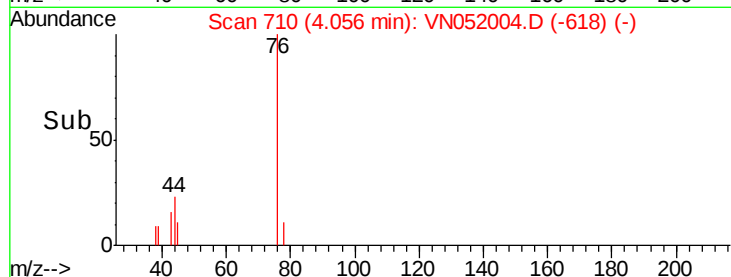
1000

500

0

4.00 4.05 4.10

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052004.D

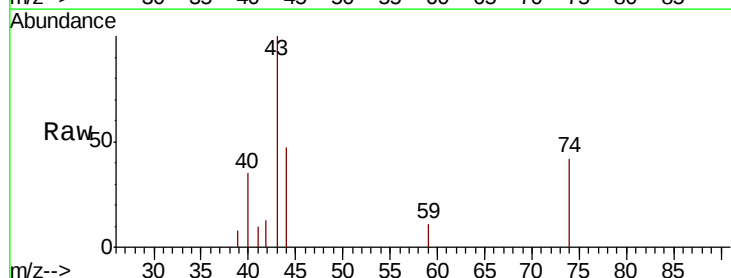
Acq: 25 Oct 2018 11:47

Tgt Ion: 43 Resp: 6845

Ion Ratio Lower Upper

43 100

74 29.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN051962.D (-772) (-)

4.34

2500

2000

1500

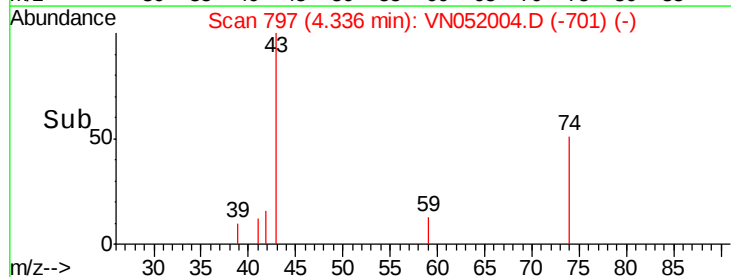
1000

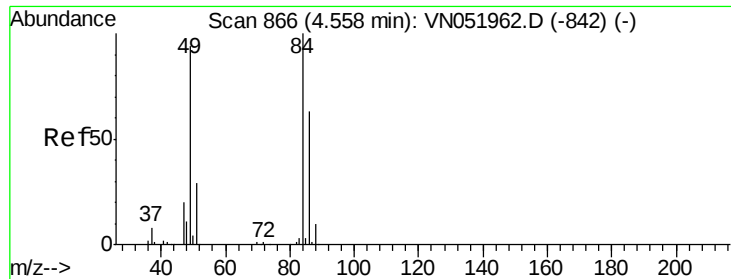
500

0

4.25 4.30 4.35 4.40

Time-->

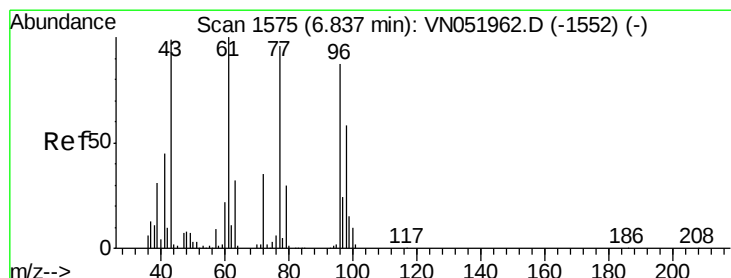
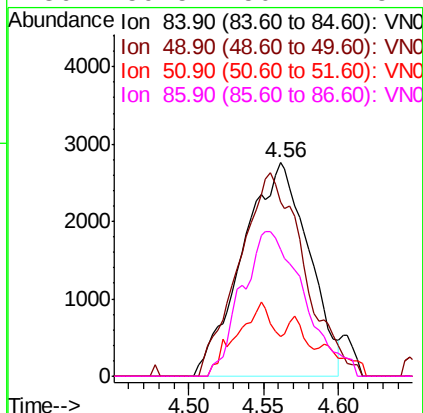
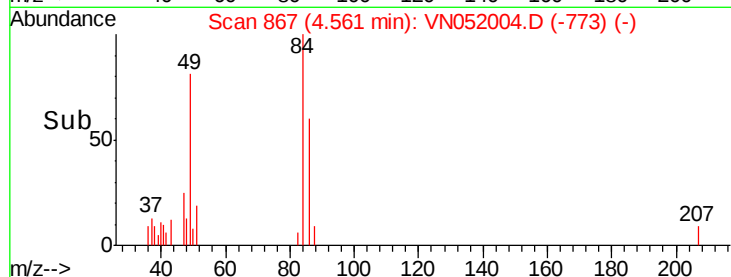
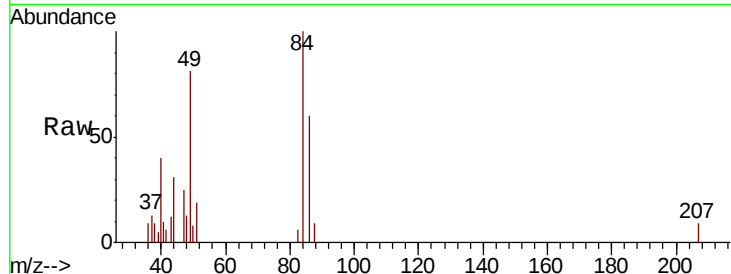




#20
Methvlene Chloride
Concen: 0.867 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

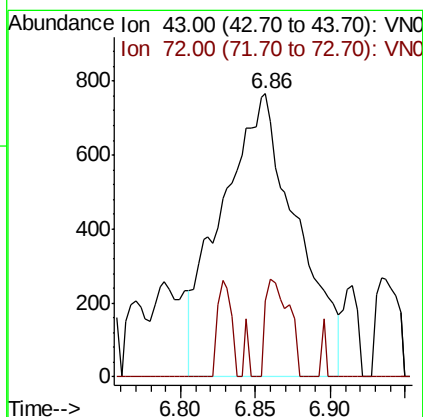
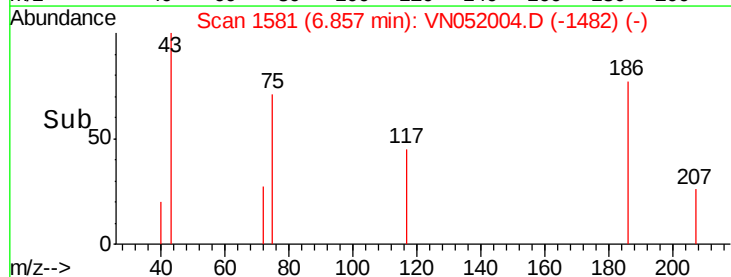
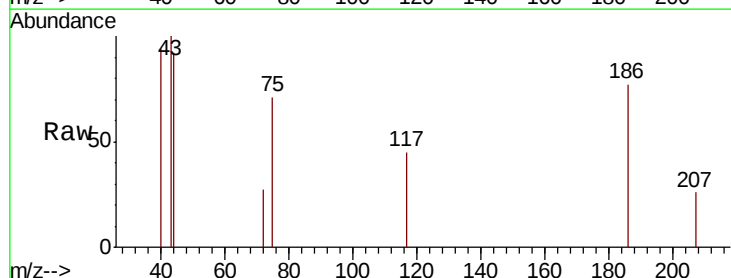
Instrument :
MSVOA_N
ClientSampleId :
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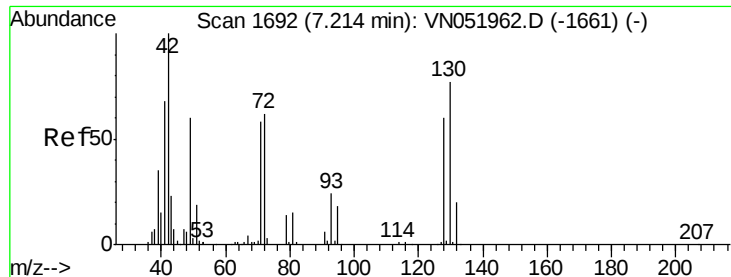
Tot Ion: 84 Resp: 8465
Ion Ratio Lower Upper
84 100
49 81.5 75.4 113.0
51 18.8 23.1 34.7#
86 59.5 50.2 75.4



#25
2-Butanone
Concen: 1.129 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

Tgt Ion: 43 Resp: 2678
Ion Ratio Lower Upper
43 100
72 34.4 28.5 42.7





#29

Tetrahydrofuran

Concen: 0.786 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

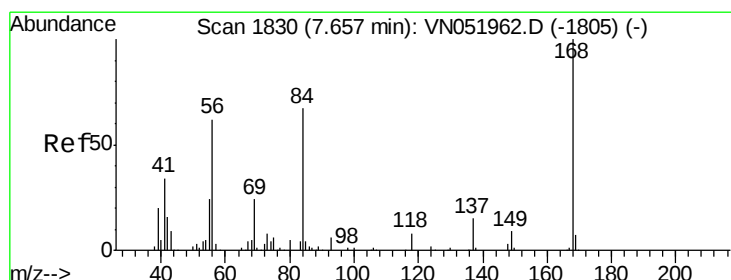
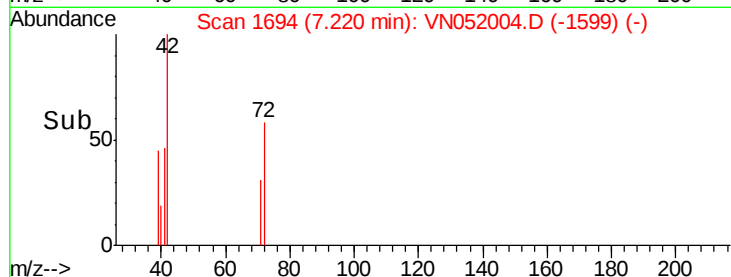
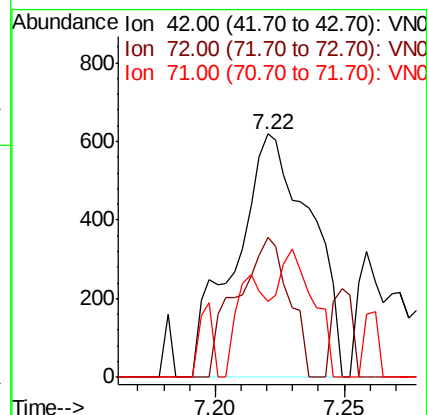
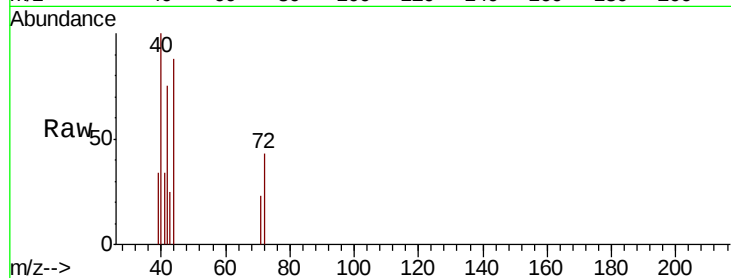
Tot Ion: 42 Resp: 1263

Ion Ratio Lower Upper

42 100

72 40.0 47.5 71.3#

71 16.4 45.4 68.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

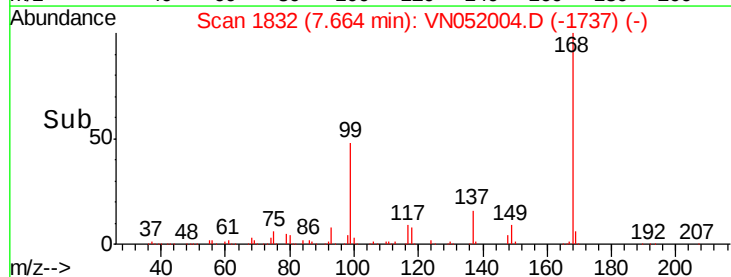
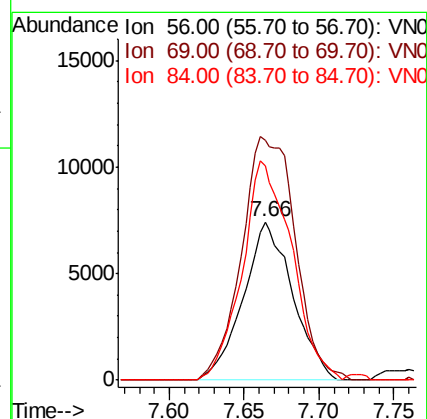
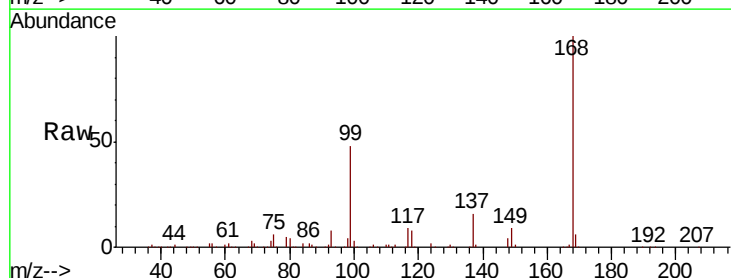
Tgt Ion: 56 Resp: 17104

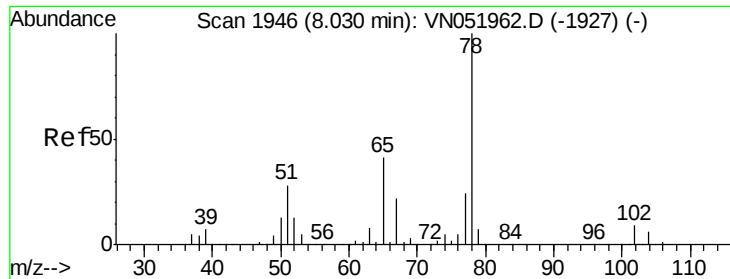
Ion Ratio Lower Upper

56 100

69 151.8 31.2 46.8#

84 135.2 86.3 129.5#

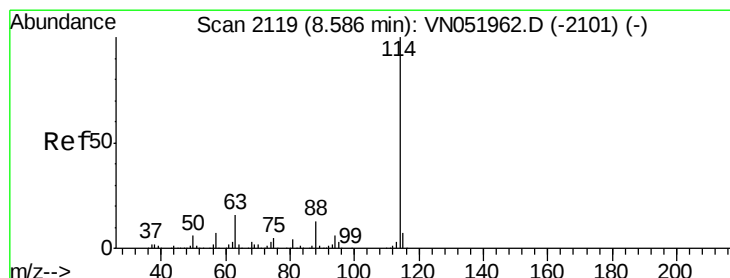
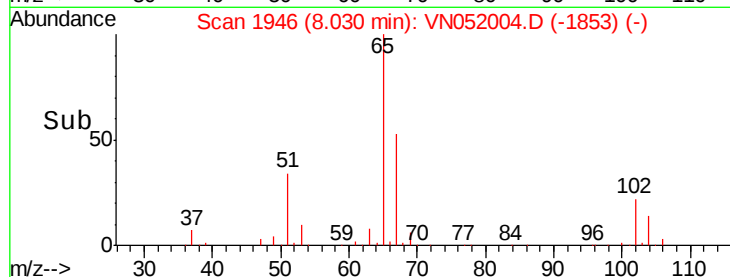
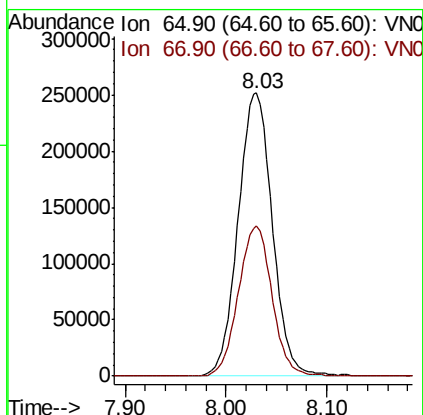
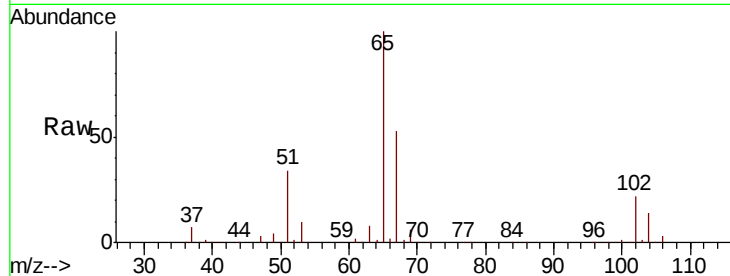




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

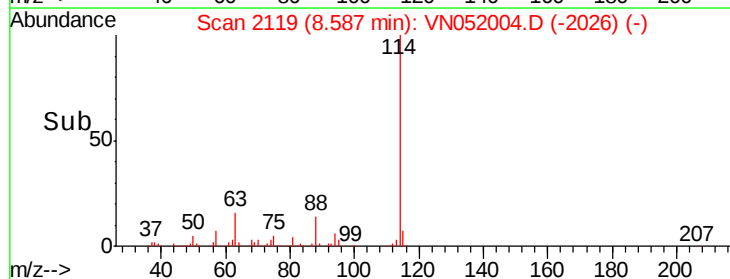
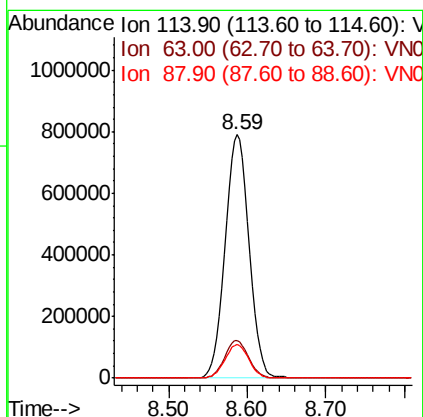
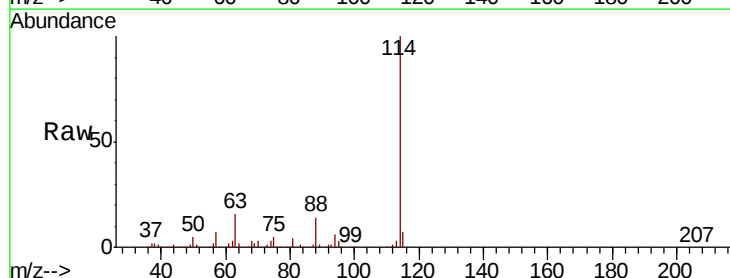
Instrument :
 MSVOA_N
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 PB114157ZHE#01

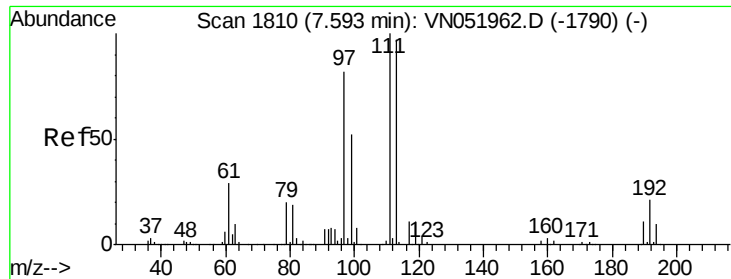
Tot Ion: 65 Resp: 589468
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Tgt Ion: 114 Resp: 1652540
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 13.6 0.0 27.0

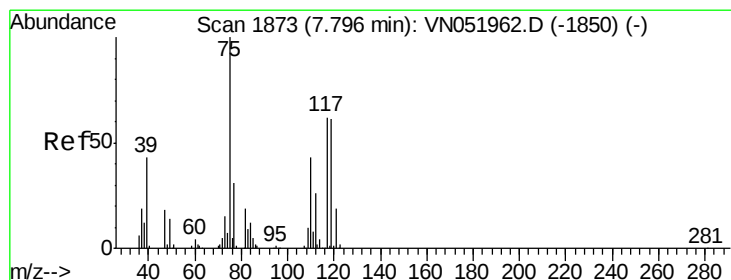
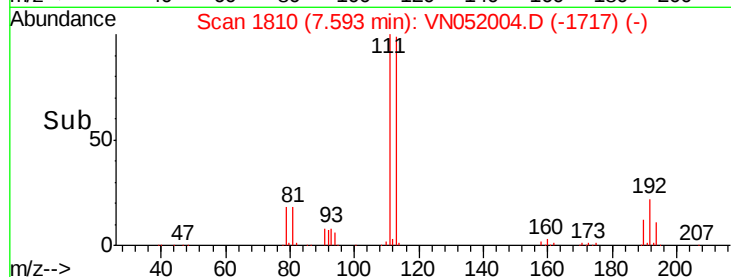
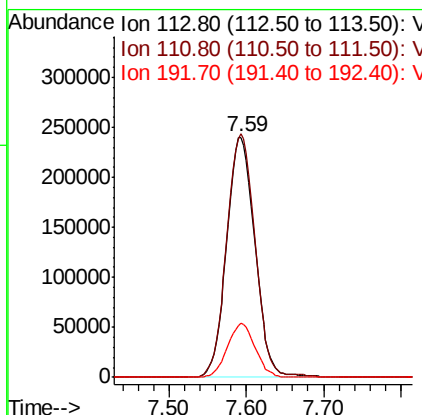
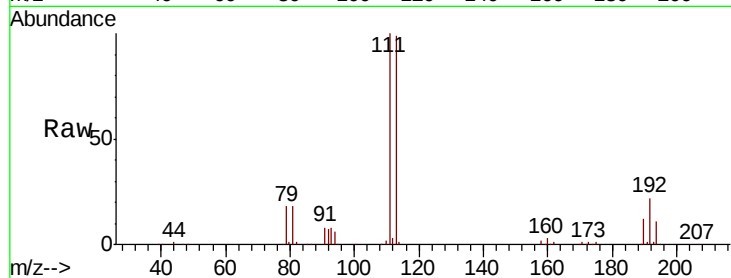




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

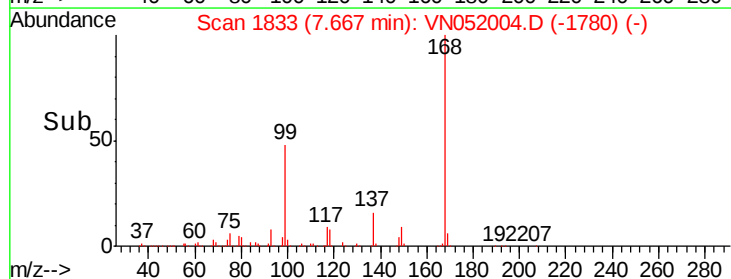
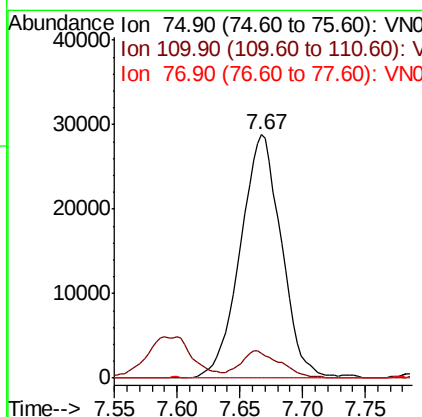
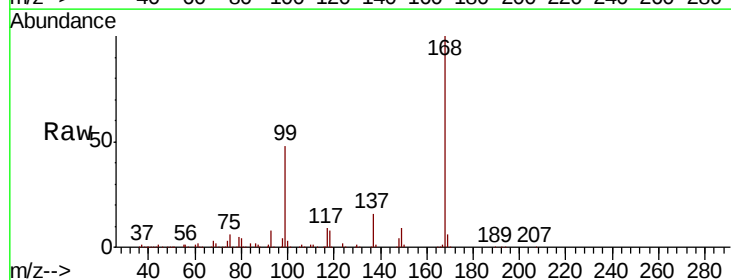
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#01

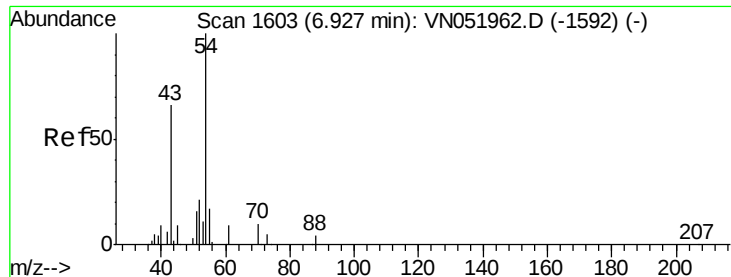
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.7	121.1
192	22.0	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 5.180 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.9	62.8#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

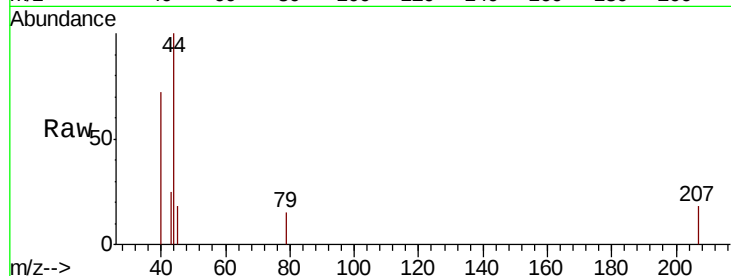
Tot Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

70 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051962.D (-1592) (-)

6.93

300

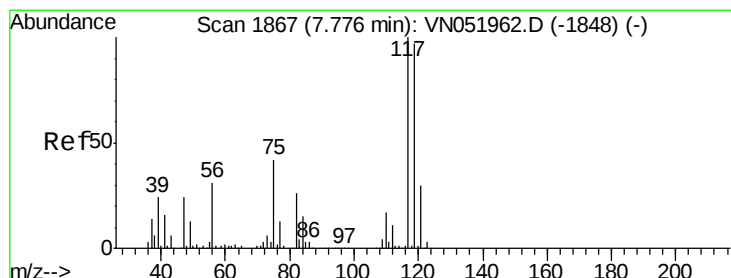
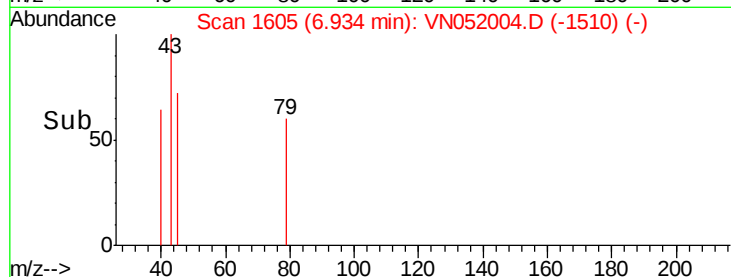
200

100

0

6.92 6.93 6.94 6.95 6.96

Time-->



#38

Carbon Tetrachloride

Concen: 6.909 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

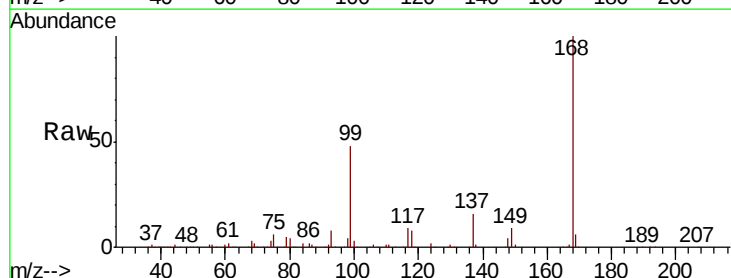
Tgt Ion: 117 Resp: 100540

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051962.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051962.D (-1848) (-)

7.67

50000

40000

30000

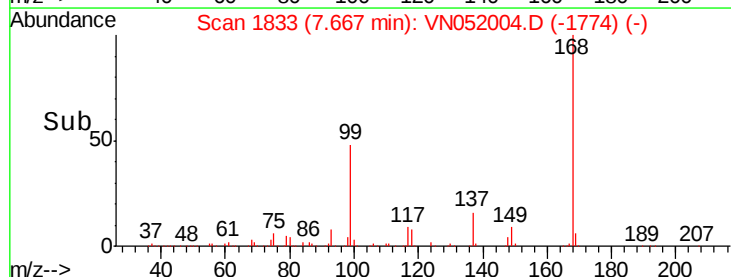
20000

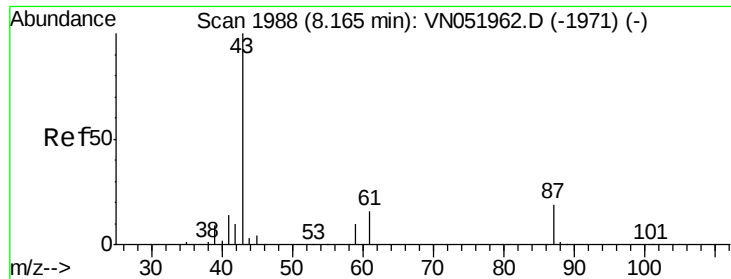
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#43

Isopropyl Acetate

Concen: 30.742 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

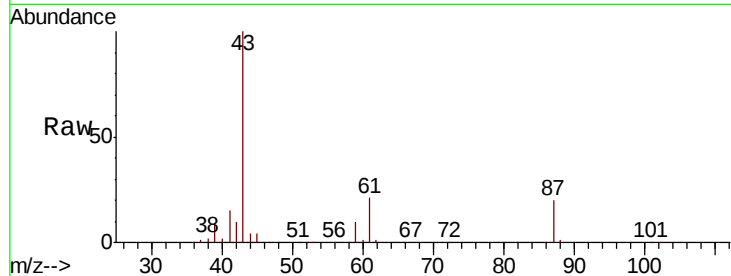
Tot Ion: 43 Resp: 326365

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

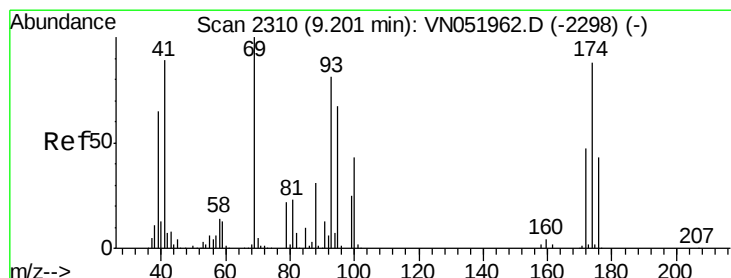
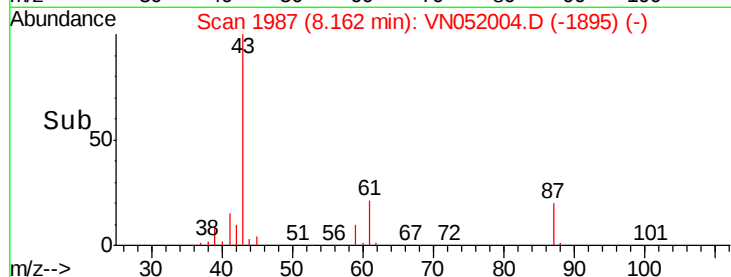
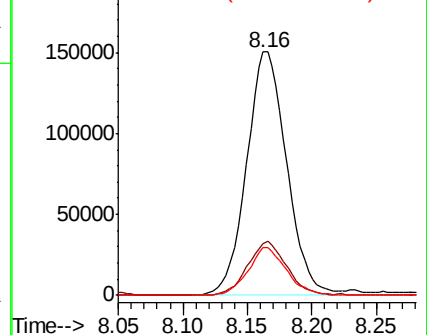
87 19.0 15.2 22.8



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



#48

Methyl methacrylate

Concen: 1.317 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

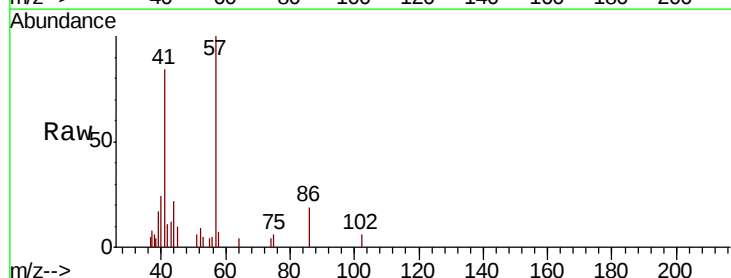
Tgt Ion: 41 Resp: 6760

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

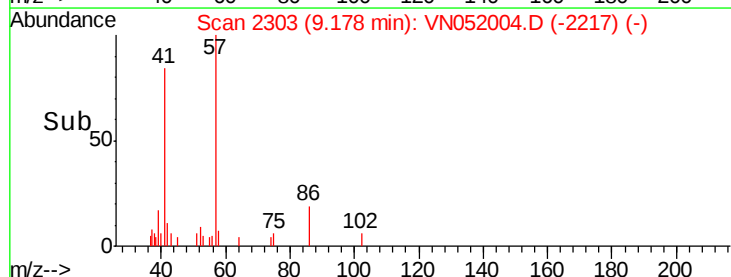
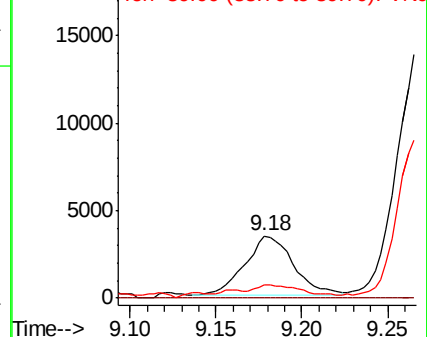
39 16.7 60.2 90.4#

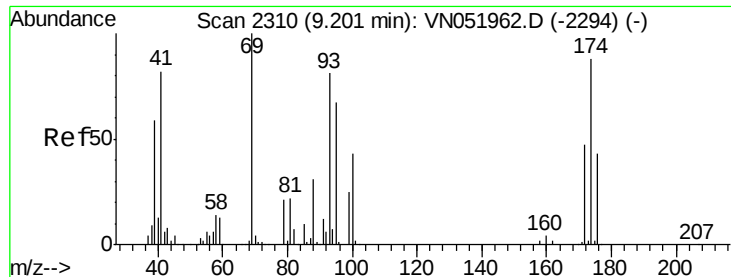


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

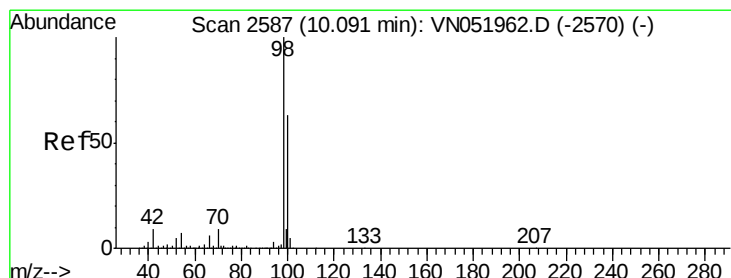
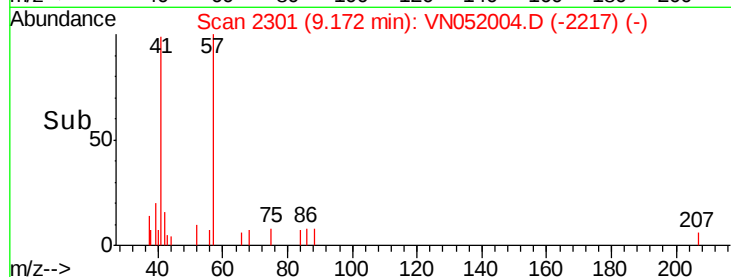
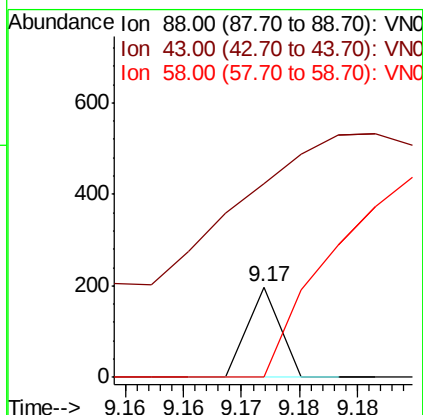
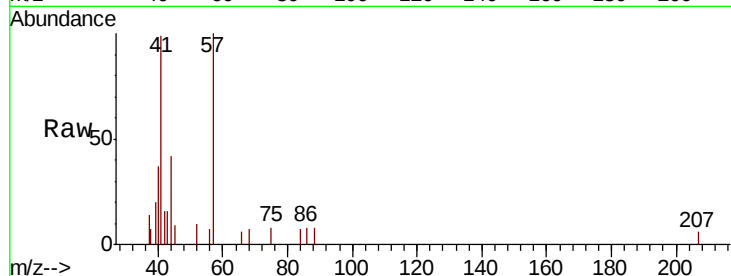




#49
1,4-Dioxane
Concen: 0.404 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.03 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

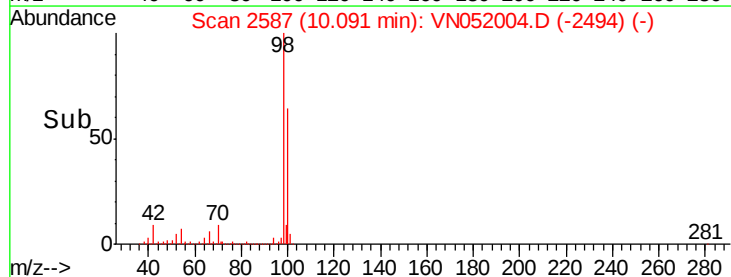
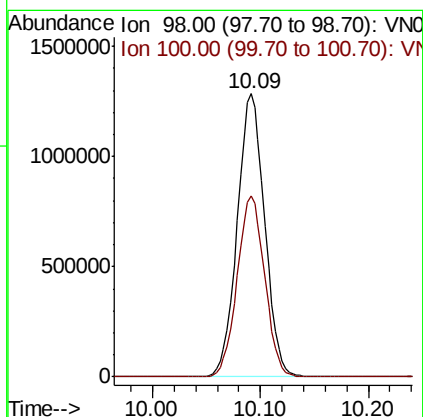
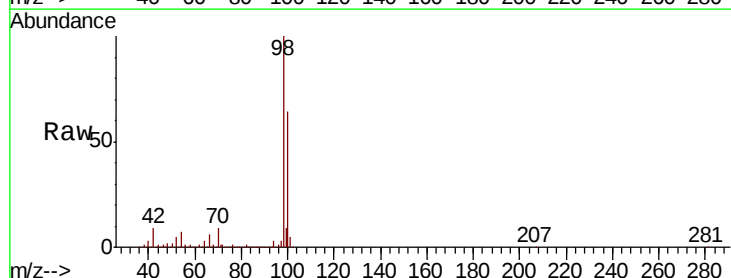
Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#01

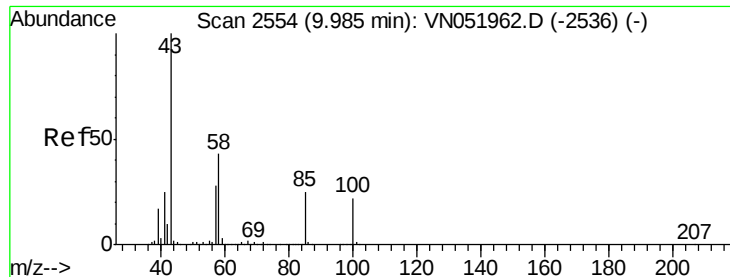
Tot Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 18.8 28.2#
58 1615.8 39.8 59.6#



#50
Toluene-d8
Concen: 0.404 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

Tgt Ion: 98 Resp: 2276308
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

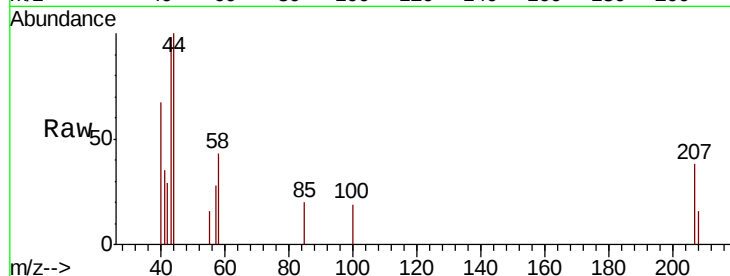
PB114157ZHE#01

Tot Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

58 48.7 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.99

1200

1000

800

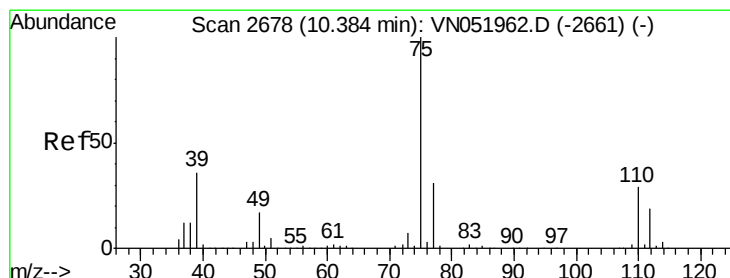
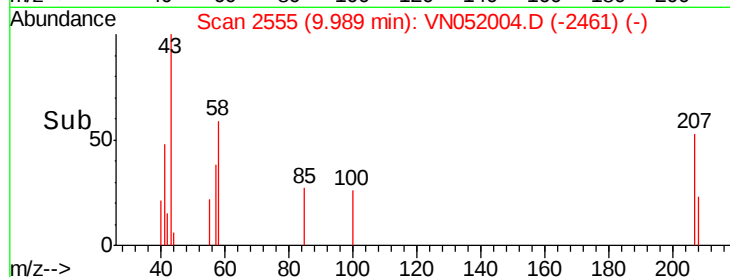
600

400

200

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.305 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN052004.D

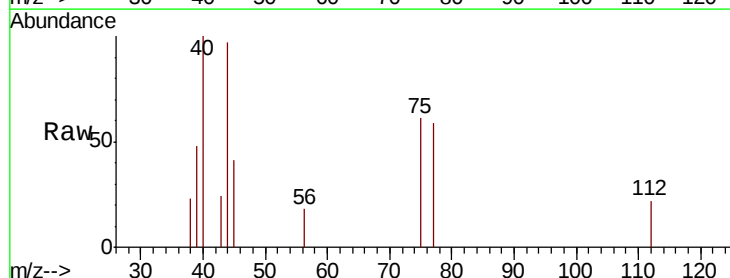
Acq: 25 Oct 2018 11:47

Tgt Ion: 75 Resp: 823

Ion Ratio Lower Upper

75 100

77 97.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN051962.D (-2661) (-)

10.39

800

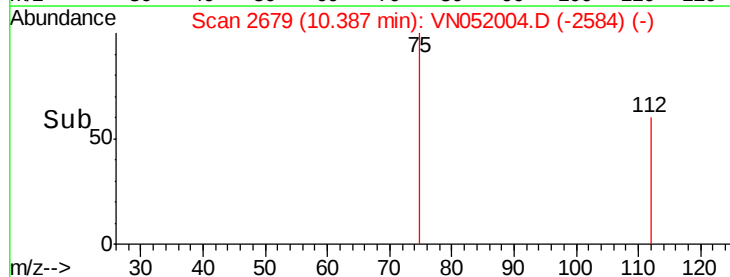
600

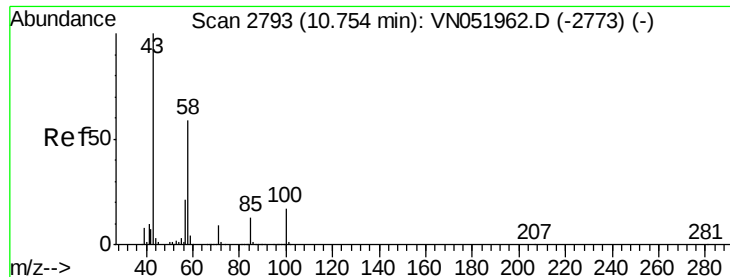
400

200

0

Time-->

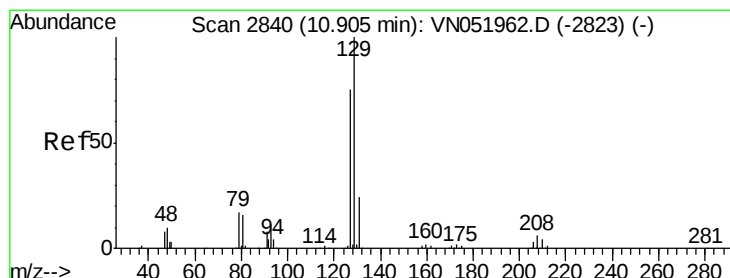
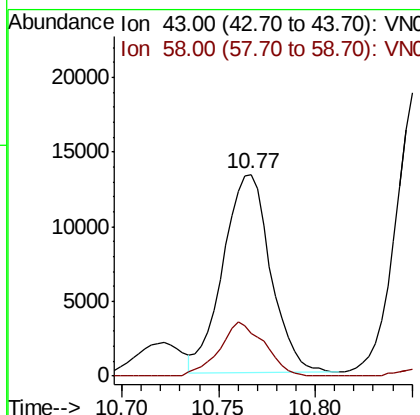
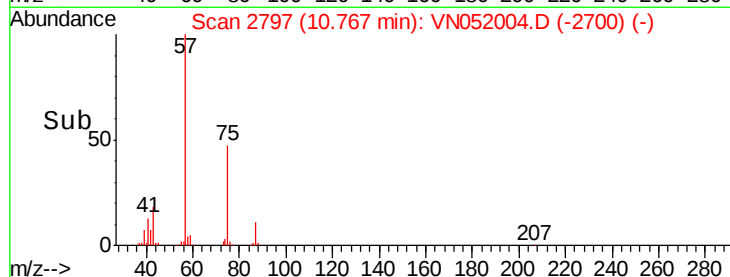
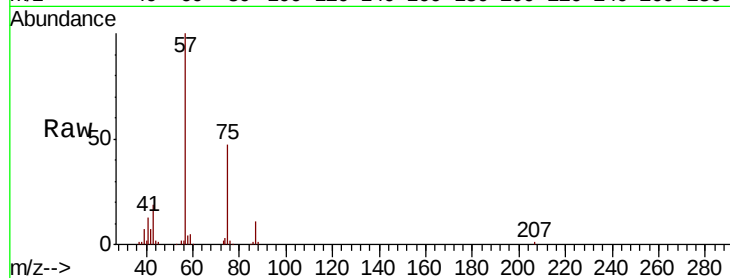




#59
2-Hexanone
Concen: 5.762 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

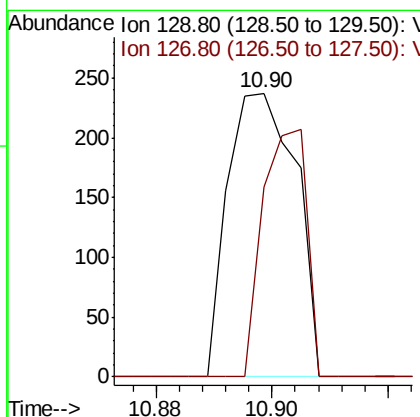
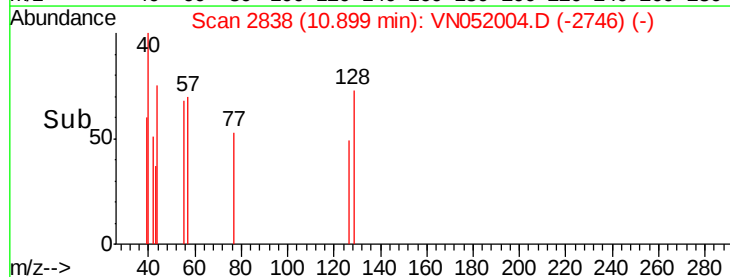
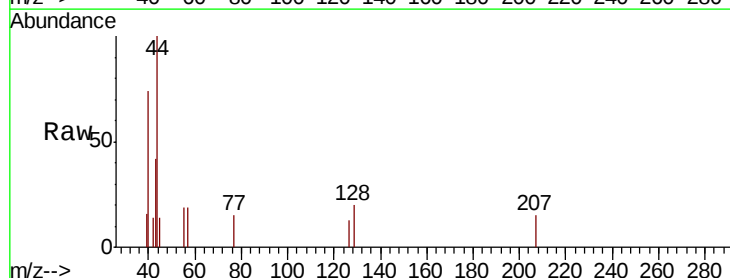
Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#01

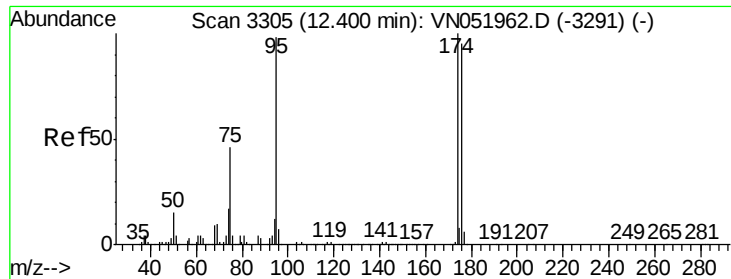
Tot Ion: 43 Resp: 22608
Ion Ratio Lower Upper
43 100
58 26.1 29.9 89.8#



#60
Dibromochloromethane
Concen: 1.993 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.01 min
Lab File: VN052004.D
Acq: 25 Oct 2018 11:47

Tgt Ion: 129 Resp: 193
Ion Ratio Lower Upper
129 100
127 57.0 38.0 114.0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

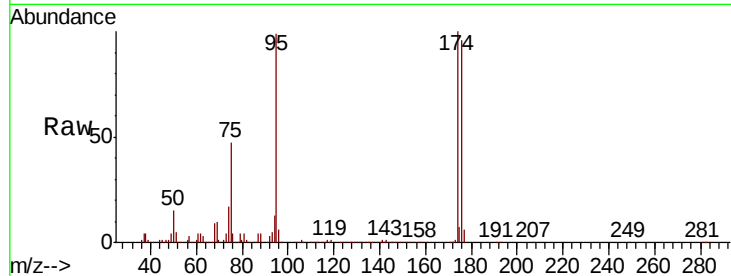
Tot Ion: 95 Resp: 752659

Ion Ratio Lower Upper

95 100

174 101.3 0.0 206.0

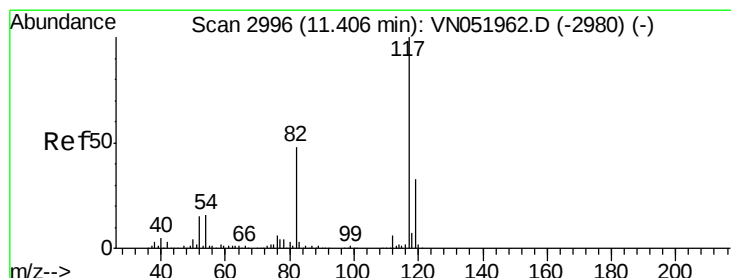
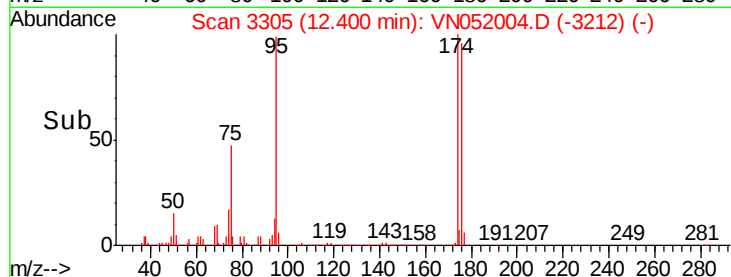
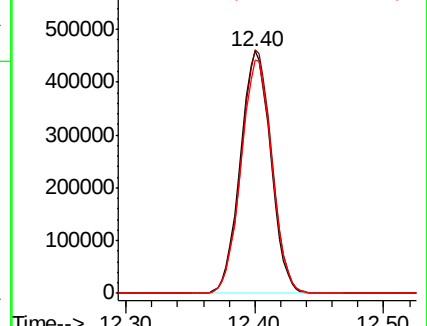
176 97.9 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

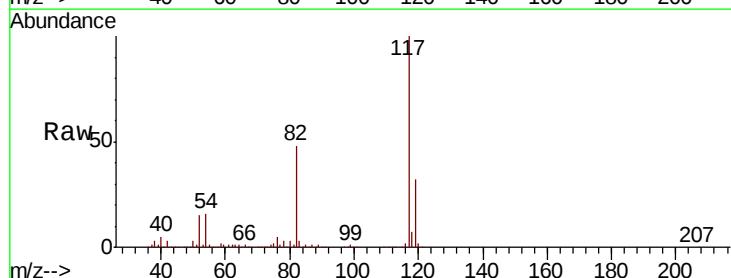
Tgt Ion: 117 Resp: 1592397

Ion Ratio Lower Upper

117 100

82 47.8 38.1 57.1

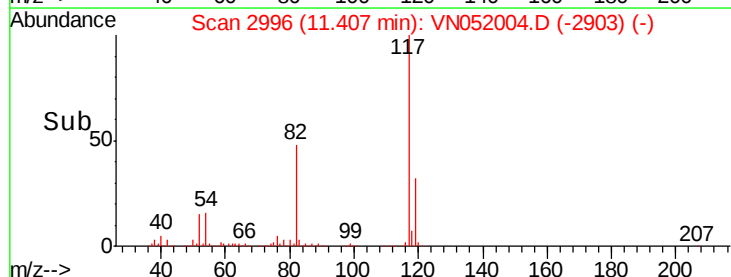
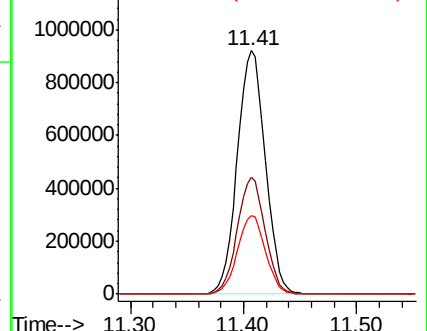
119 32.5 26.4 39.6

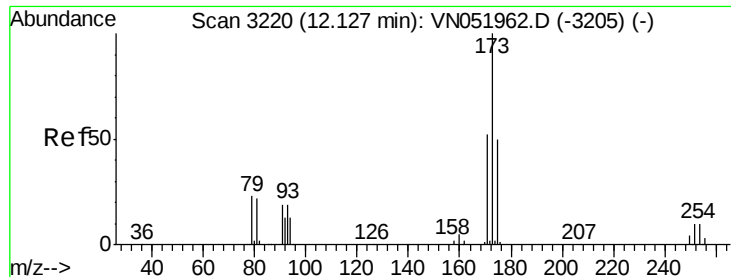


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)





#71

Bromoform

Concen: 3.741 ug/l

RT: 12.14 min Scan# 3223

Delta R.T. 0.01 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

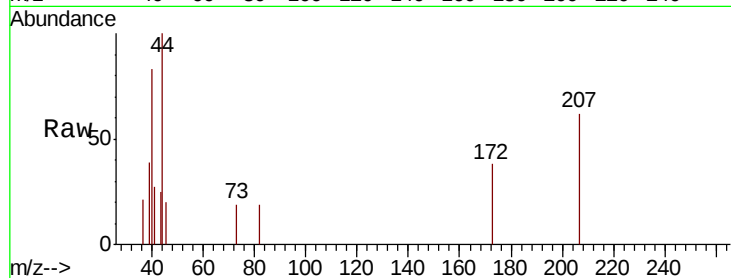
Tot Ion:173 Resp: 435

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

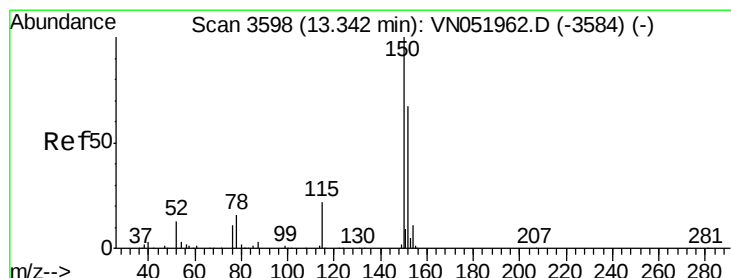
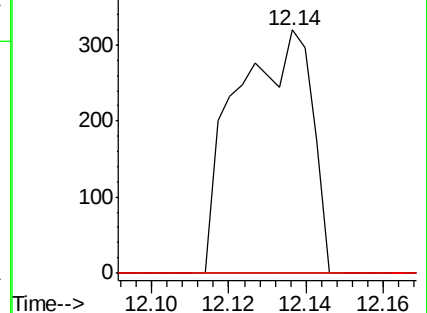
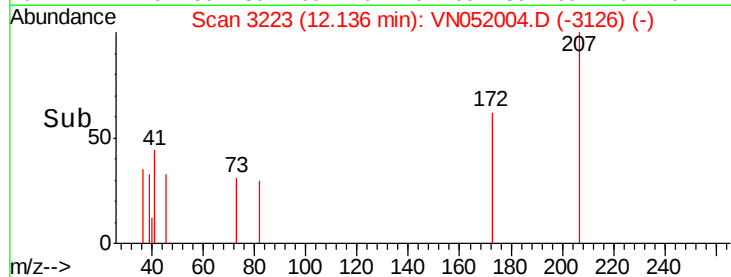
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

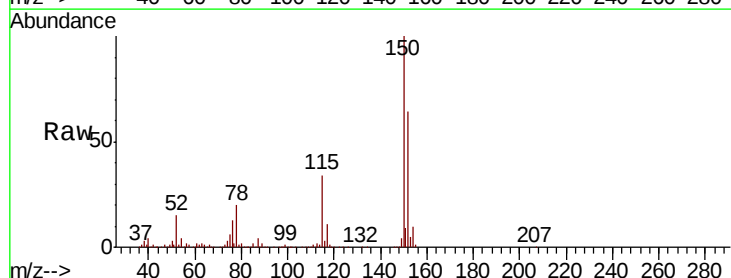
Tgt Ion:152 Resp: 762030

Ion Ratio Lower Upper

152 100

115 53.5 25.8 77.3

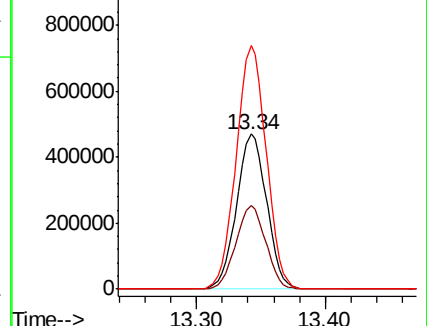
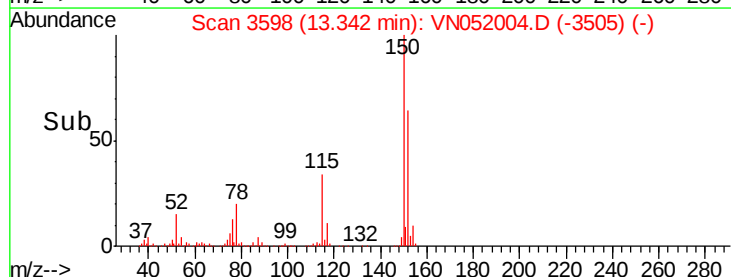
150 156.7 0.0 344.4

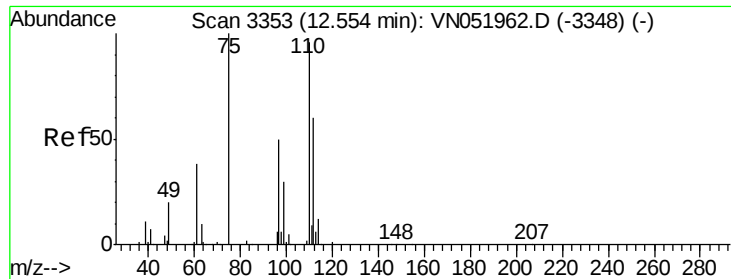


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

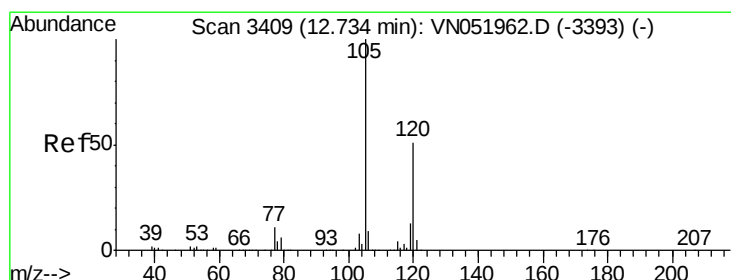
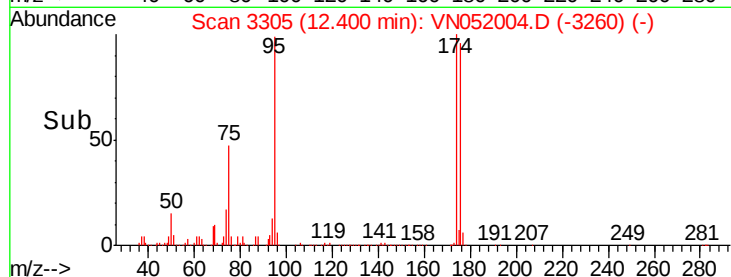
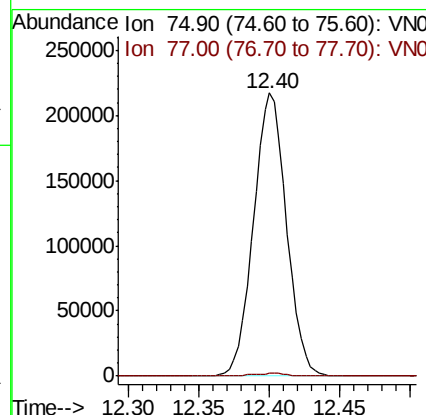
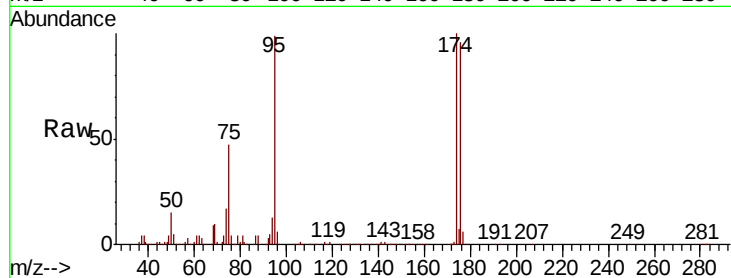




#76
 1,2,3-Trichloropropane
 Concen: 44.994 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

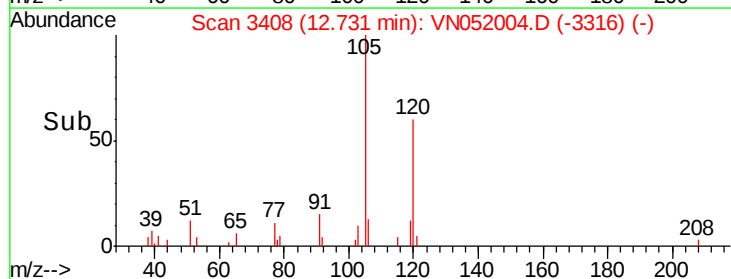
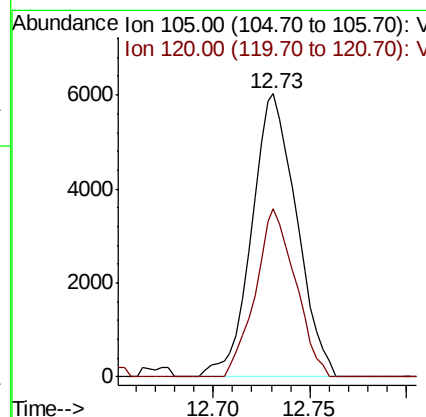
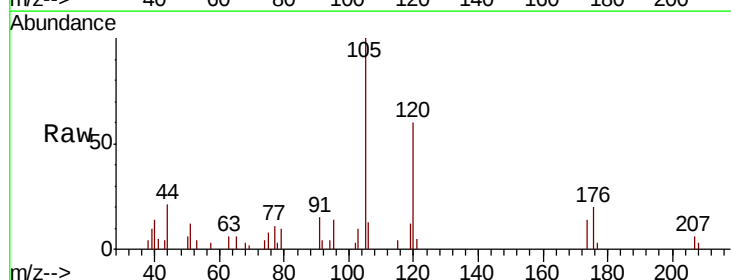
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#01

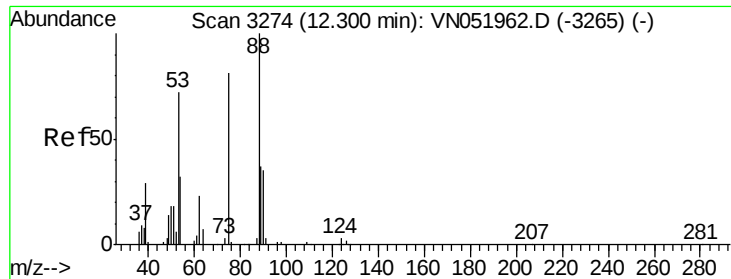
Tot Ion: 75 Resp: 354166
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.251 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Tgt Ion: 105 Resp: 9735
 Ion Ratio Lower Upper
 105 100
 120 53.0 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 141.613 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

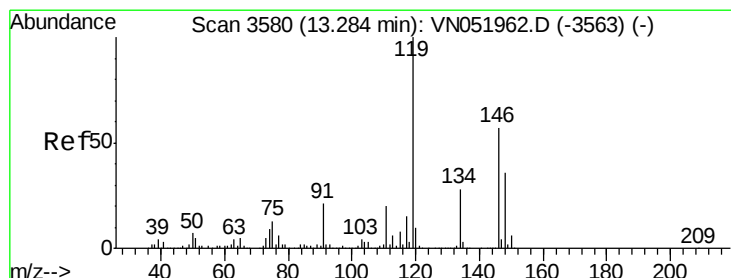
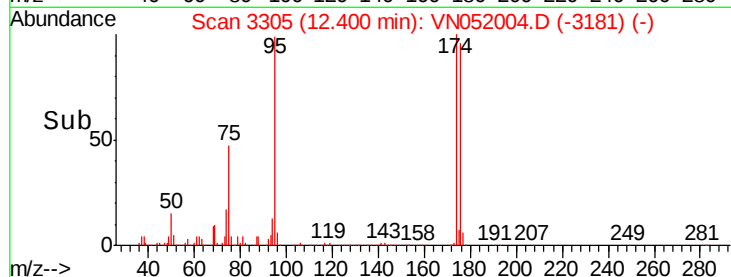
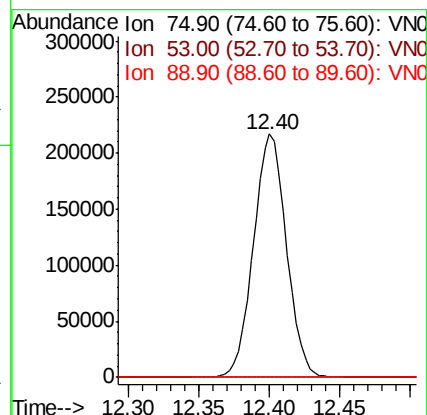
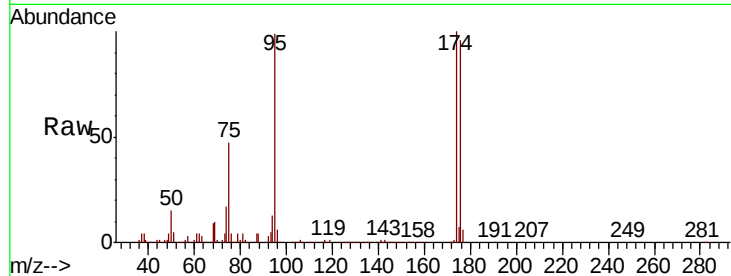
Tot Ion: 75 Resp: 354166

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#



#87

1,3-Dichlorobenzene

Concen: 0.263 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

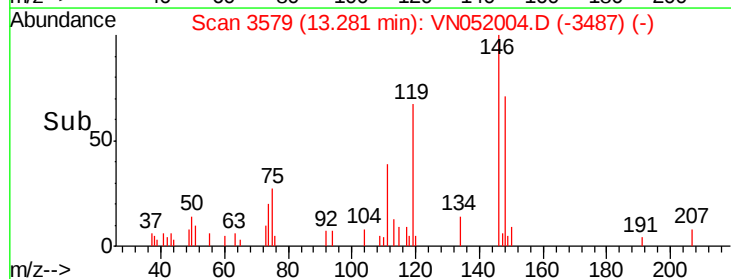
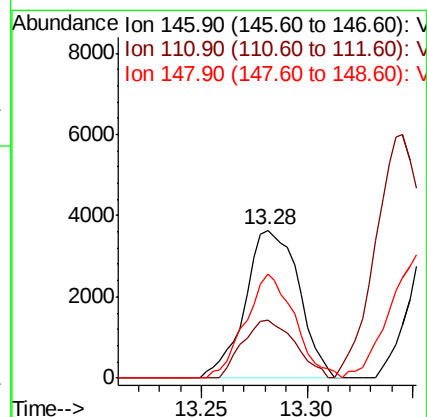
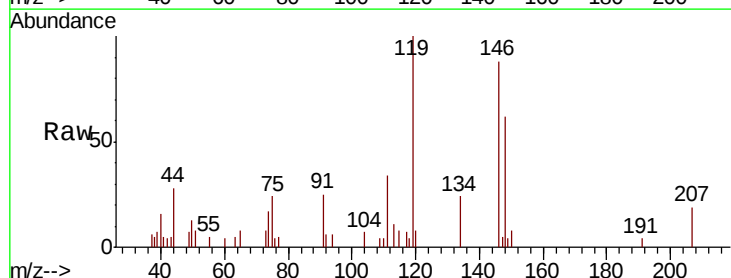
Tgt Ion: 146 Resp: 6462

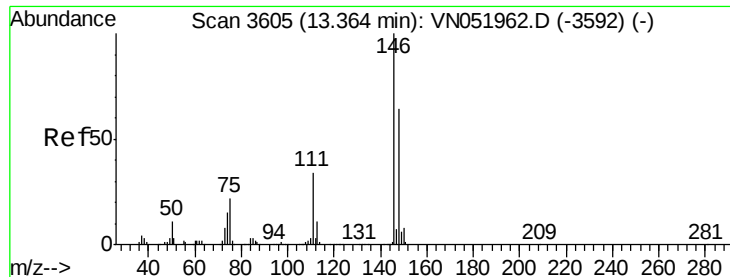
Ion Ratio Lower Upper

146 100

111 37.9 17.6 52.8

148 64.2 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 0.266 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

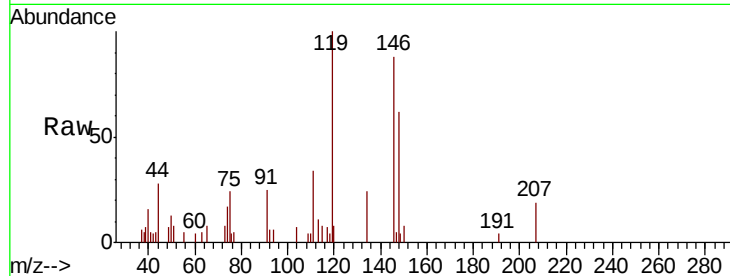
Tot Ion:146 Resp: 6462

Ion Ratio Lower Upper

146 100

111 37.9 17.3 51.7

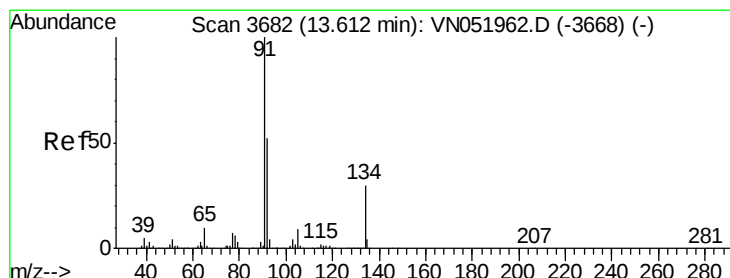
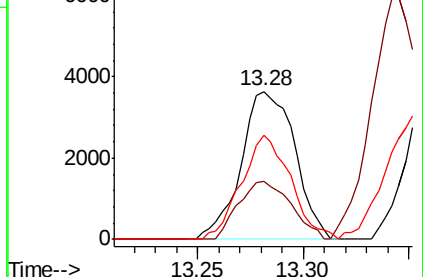
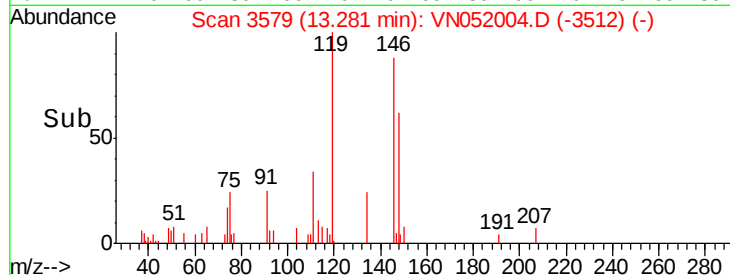
148 64.2 32.1 96.3



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



#89

n-Butylbenzene

Concen: 0.265 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

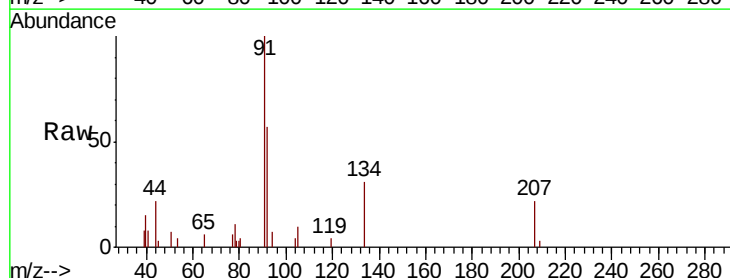
Tgt Ion: 91 Resp: 9095

Ion Ratio Lower Upper

91 100

92 53.4 25.9 77.8

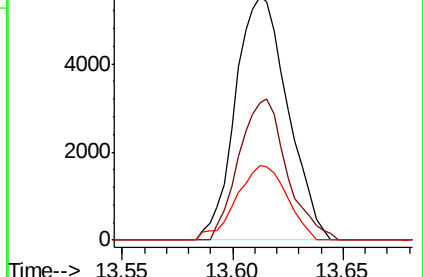
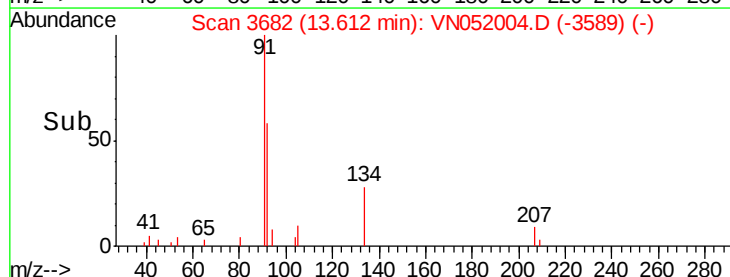
134 29.7 15.2 45.6

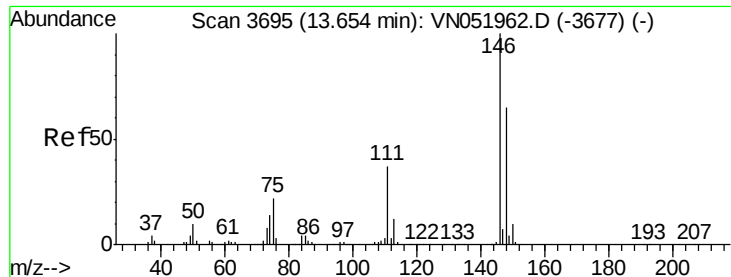


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

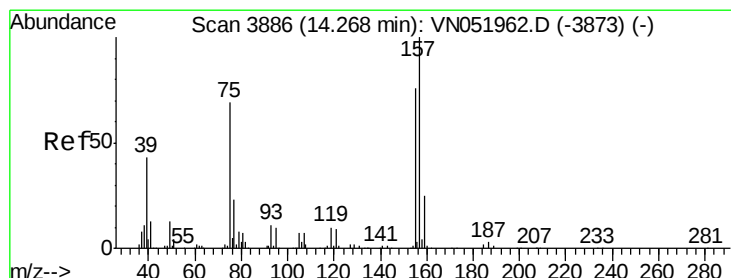
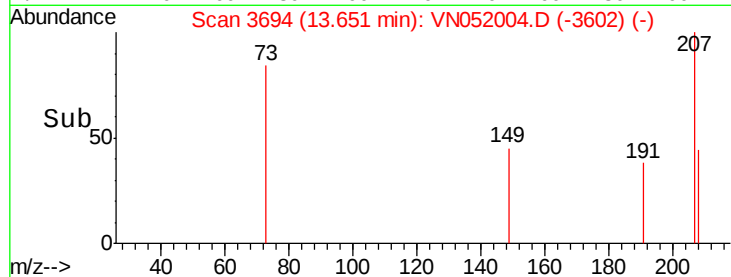
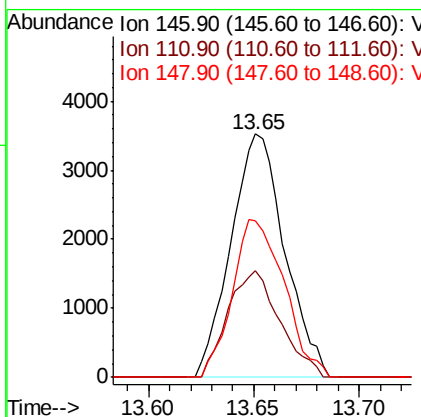
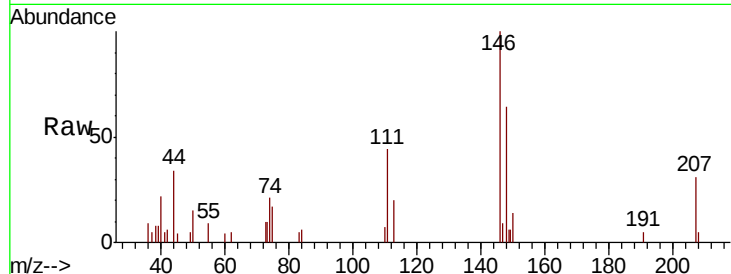




#91
 1,2-Dichlorobenzene
 Concen: 0.262 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

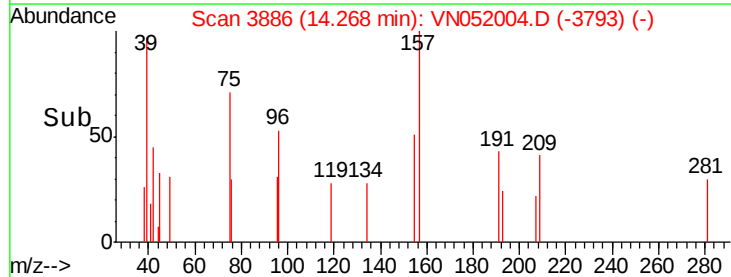
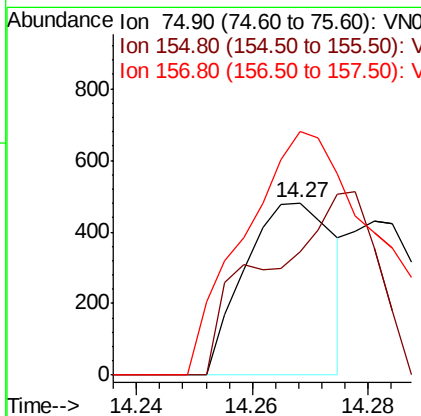
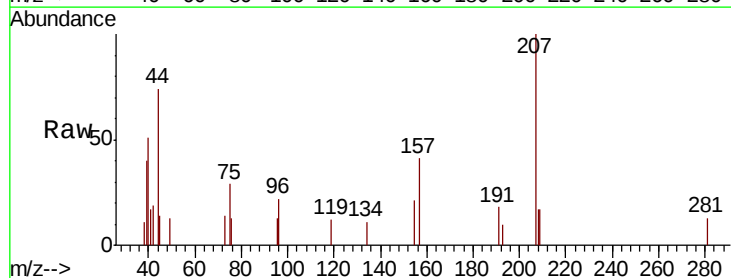
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#01

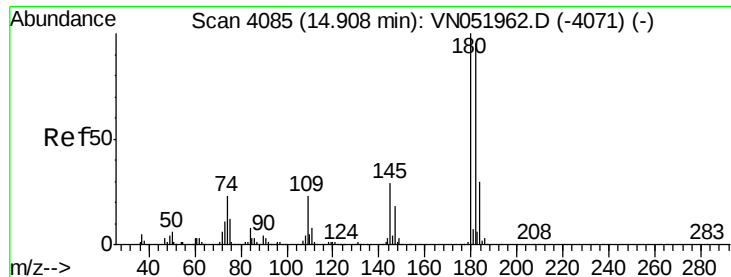
Tot Ion:146 Resp: 6242
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.3 54.9
 148 62.4 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.335 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Tgt Ion: 75 Resp: 513
 Ion Ratio Lower Upper
 75 100
 155 130.4 56.0 167.9
 157 208.4 73.9 221.6

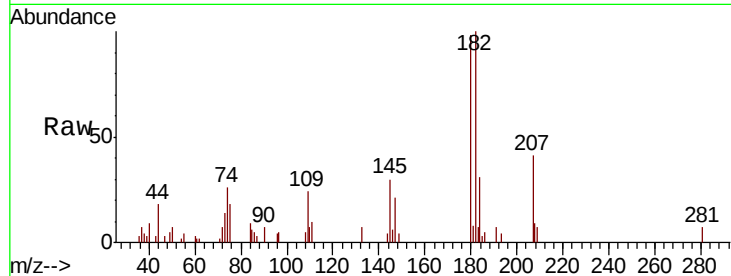




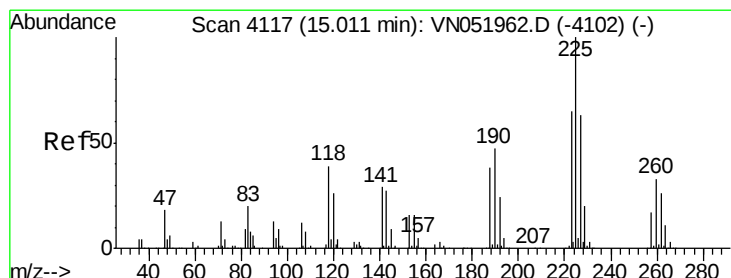
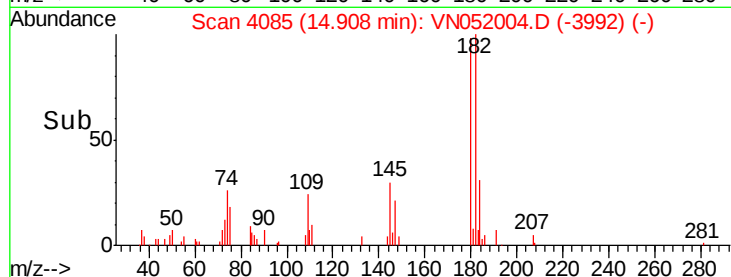
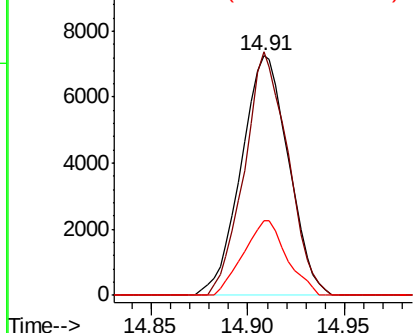
#93
 1,2,4-Trichlorobenzene
 Concen: 0.879 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.8	143.4
145	28.7	14.5	43.5

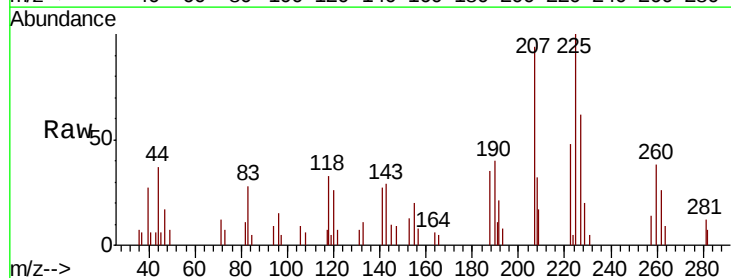


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

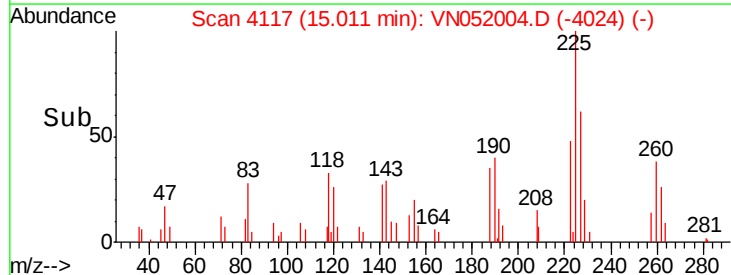
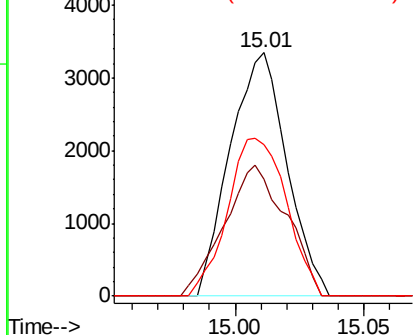


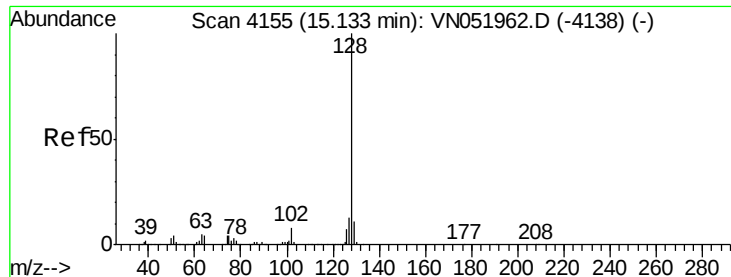
#94
 Hexachlorobutadiene
 Concen: 0.708 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052004.D
 Acq: 25 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	31.8	95.4
227	67.3	31.4	94.2



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: 0.923 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#01

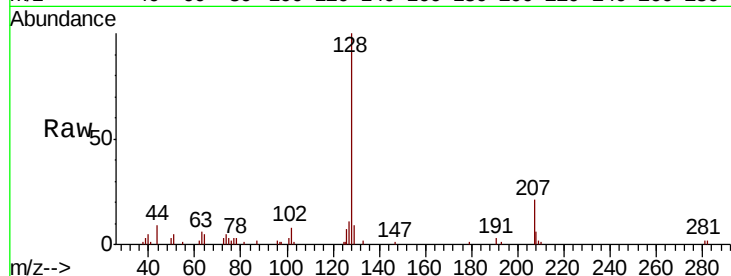
Tot Ion:128 Resp: 28170

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

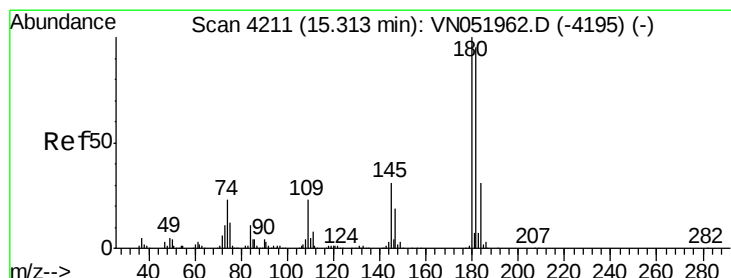
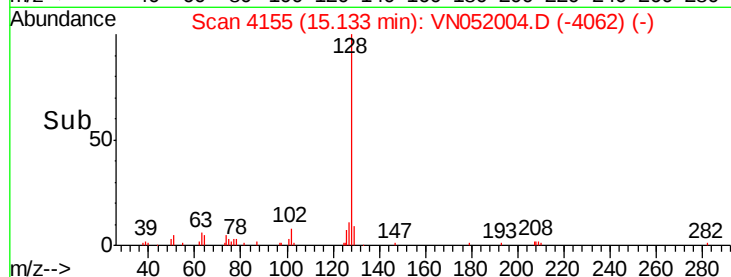
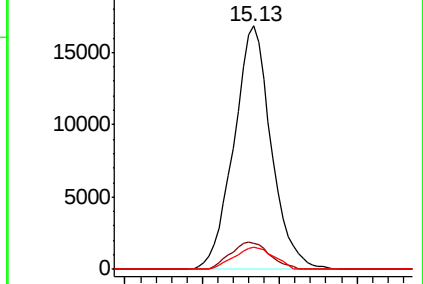
129 9.5 8.6 13.0



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: 0.969 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052004.D

Acq: 25 Oct 2018 11:47

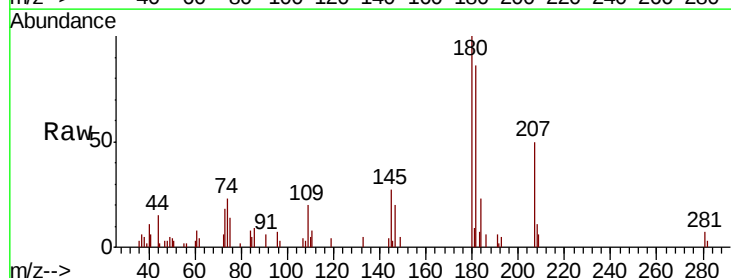
Tgt Ion:180 Resp: 13022

Ion Ratio Lower Upper

180 100

182 90.1 47.9 143.6

145 32.2 15.4 46.2



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

