

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051162.D
 Acq On : 13 Sep 2018 11:03
 Operator : MD\SY
 Sample : PB112798ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112798ZHE#01

Quant Time: Sep 14 01:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	907623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254403	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	355907	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
35) Dibromofluoromethane	7.59	113	344524	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.09	98	1237534	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.40	95	338504	39.54	ug/l	0.00
Spiked Amount			Recovery	=	79.08%	

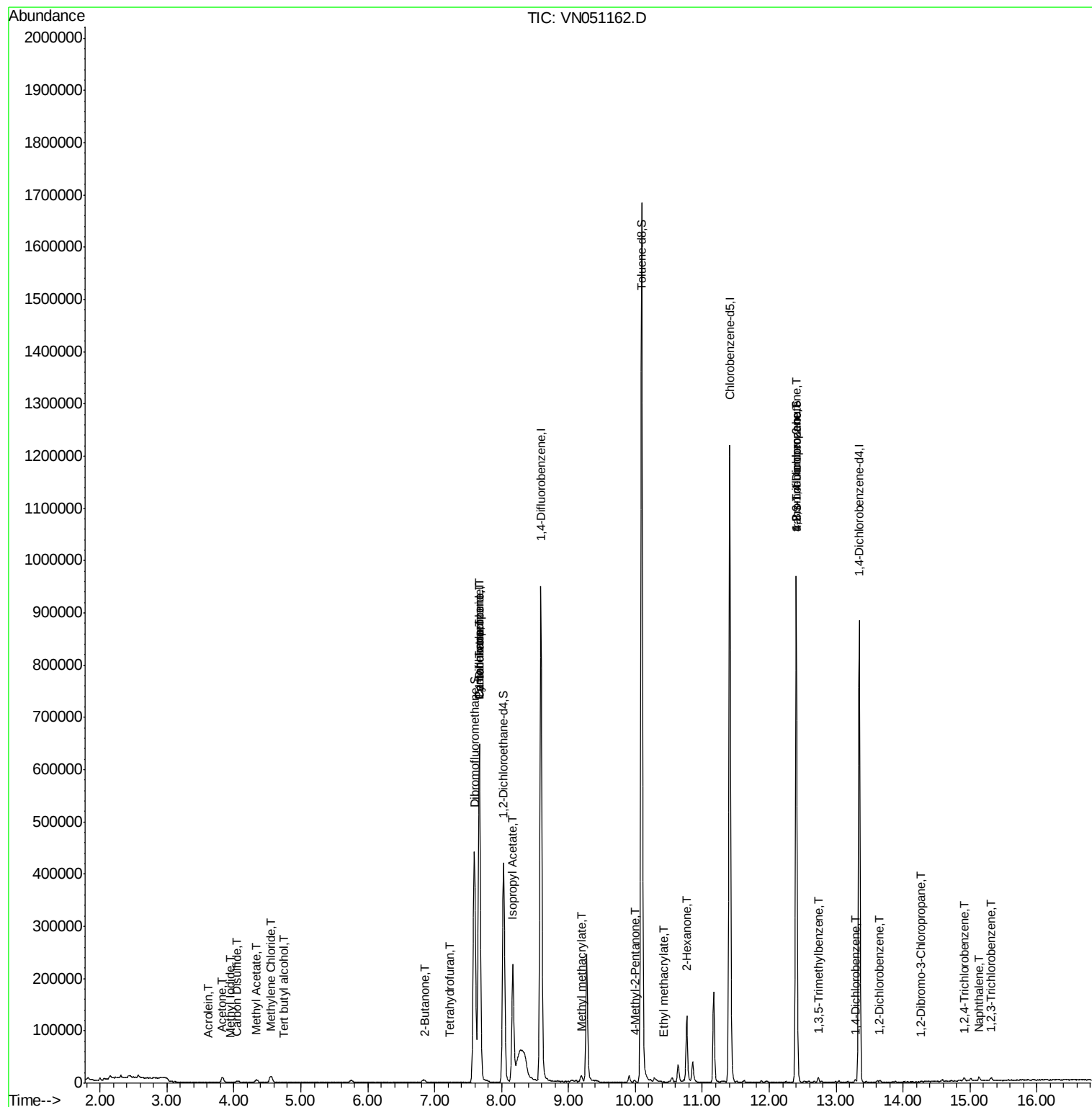
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2802	Below Cal	#	87
5) Bromomethane	2.57	94	3001	Below Cal		98
10) Methyl Iodide	3.95	142	683	5.73	ug/l #	50
11) Tert butyl alcohol	4.74	59	214	0.44	ug/l #	73
13) Acrolein	3.61	56	65	24.38	ug/l #	13
16) Acetone	3.82	43	16999	5.08	ug/l	95
17) Carbon Disulfide	4.05	76	4838	0.38	ug/l #	76
18) Methyl Acetate	4.34	43	9939	1.95	ug/l #	77
20) Methylene Chloride	4.55	84	10780	1.53	ug/l	96
25) 2-Butanone	6.86	43	2866	1.14	ug/l	95
29) Tetrahydrofuran	7.23	42	1432	0.92	ug/l #	43
31) Cyclohexane	7.67	56	9192	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	35384	3.55	ug/l #	48
38) Carbon Tetrachloride	7.67	117	49231	5.02	ug/l #	16
43) Isopropyl Acetate	8.17	43	259115	25.45	ug/l #	89
48) Methyl methacrylate	9.18	41	7686	1.55	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	2563	0.46	ug/l #	86
56) Ethyl methacrylate	10.43	69	121	2.47	ug/l #	29
59) 2-Hexanone	10.77	43	19030	4.98	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.50	83	502	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.40	75	154050	38.72	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4451	0.26	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	154050	115.00	ug/l #	15
88) 1,4-Dichlorobenzene	13.28	146	1847	0.22	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	2051	0.22	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65	0.74	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	2572	4.50	ug/l	93
94) Hexachlorobutadiene	15.01	225	1043	Below Cal		75
95) Naphthalene	15.14	128	5672	5.87	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2615	3.51	ug/l	97

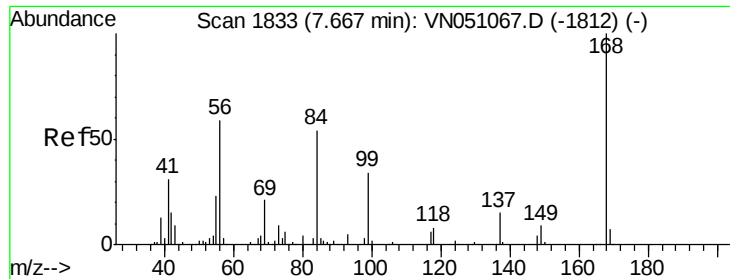
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

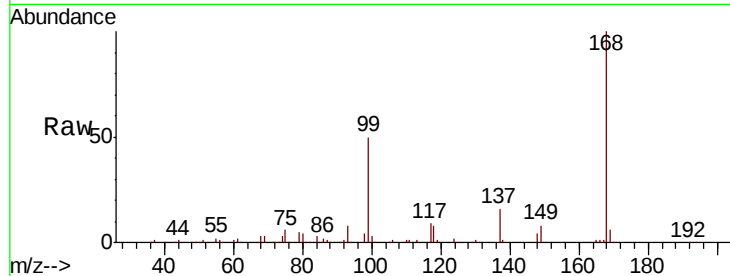
PB112798ZHE#01

Tot Ion:168 Resp: 572170

Ion Ratio Lower Upper

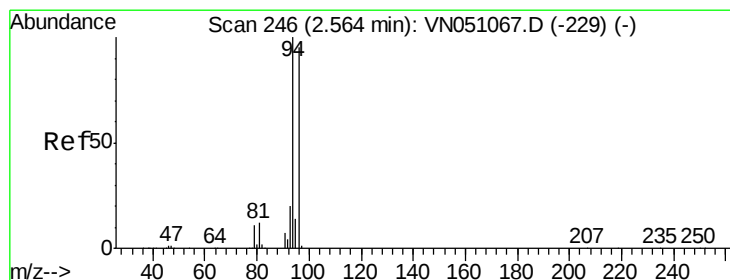
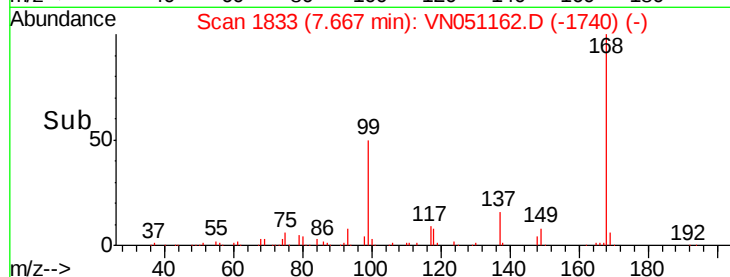
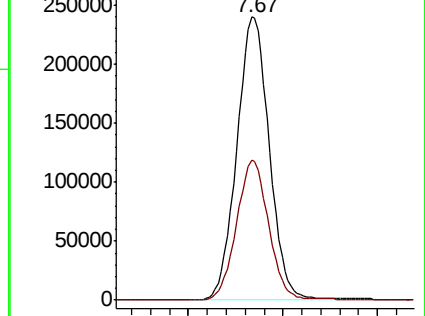
168 100

99 49.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051162.D

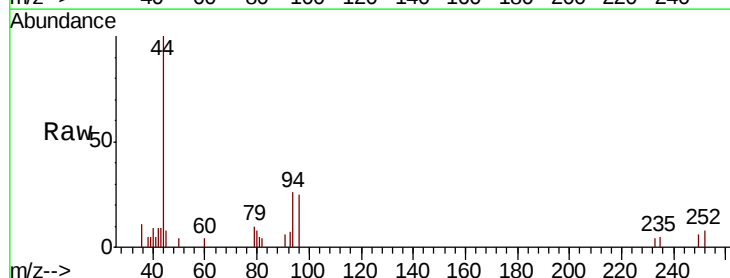
Acq: 13 Sep 2018 11:03

Tgt Ion: 94 Resp: 3001

Ion Ratio Lower Upper

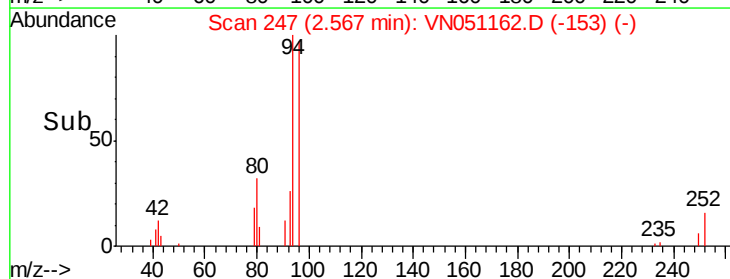
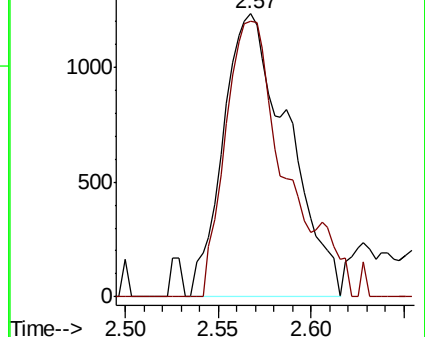
94 100

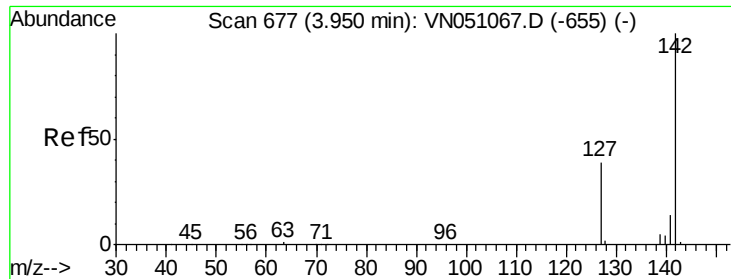
96 97.2 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

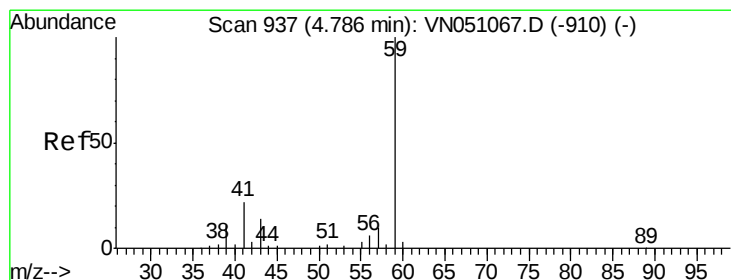
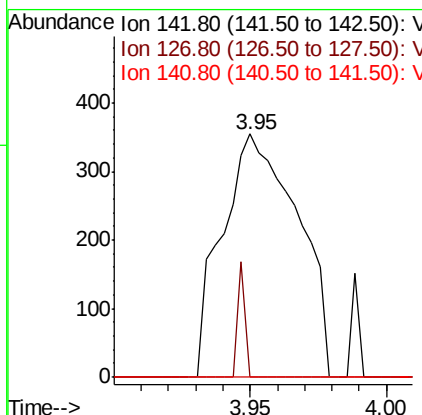
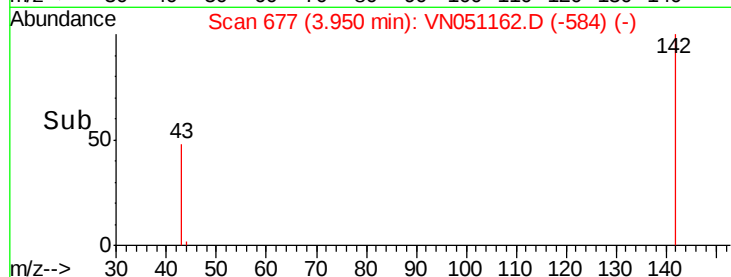
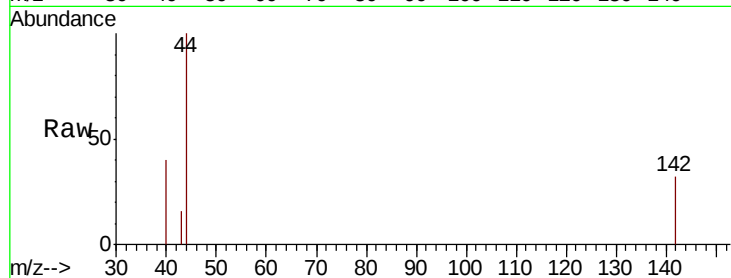




#10
Methvl Iodide
Concen: 5.73 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

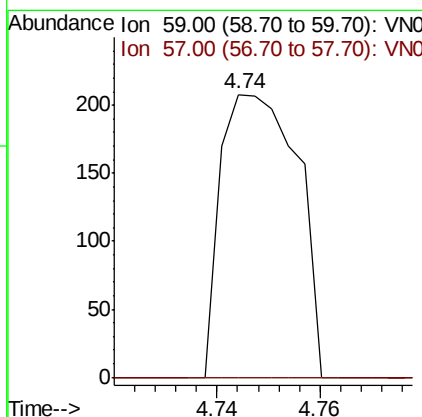
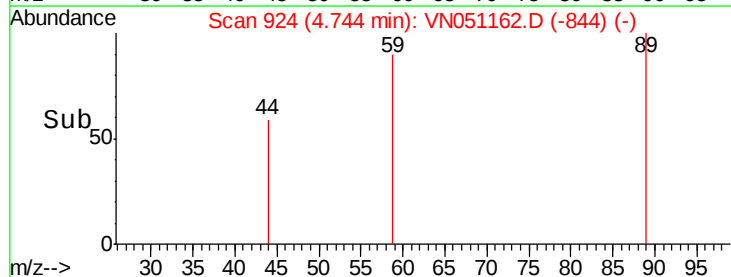
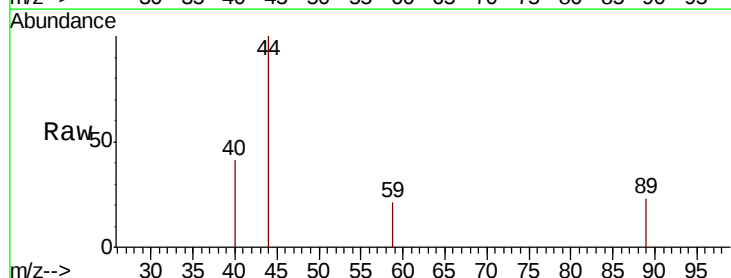
Instrument :
MSVOA_N
ClientSampleId :
PB112798ZHE#01

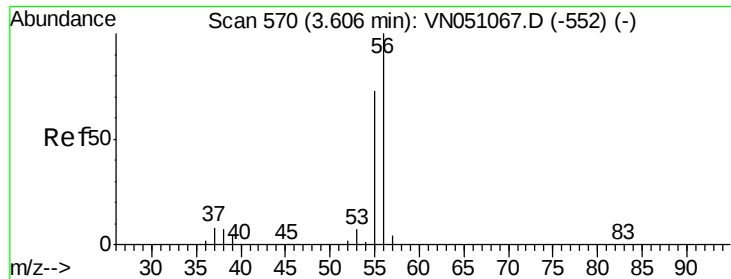
Tot Ion:142 Resp: 683
Ion Ratio Lower Upper
142 100
127 4.8 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.44 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 24.38 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

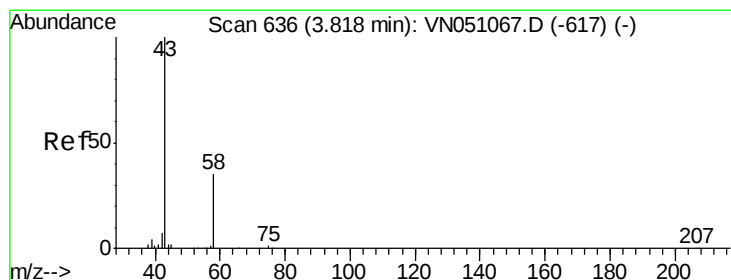
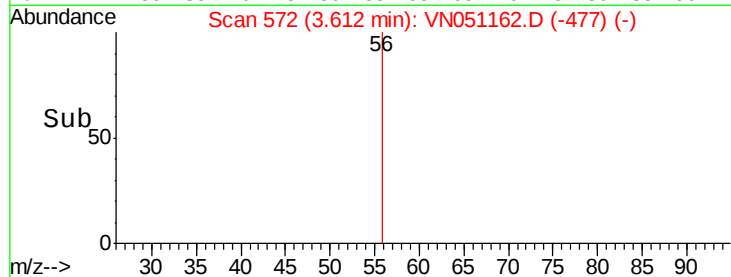
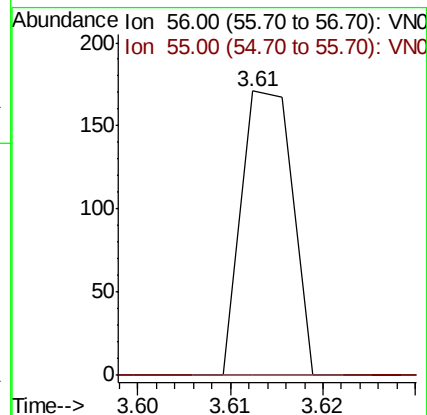
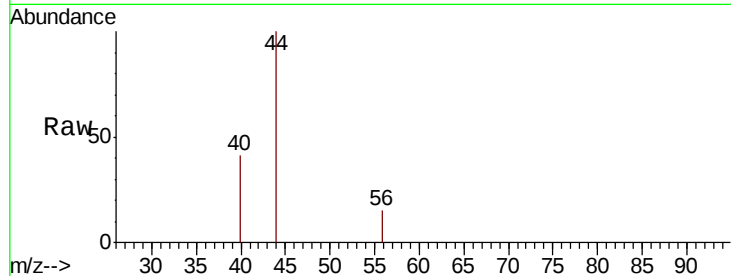
PB112798ZHE#01

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 58.0 87.0#



#16

Acetone

Concen: 5.08 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051162.D

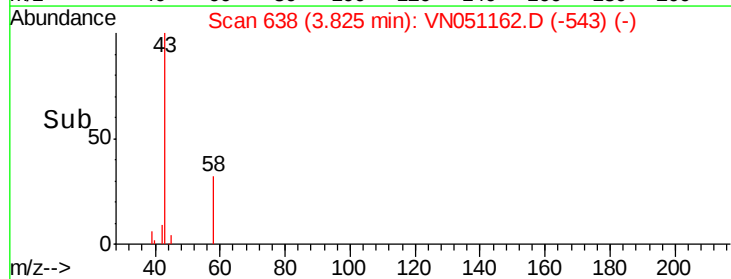
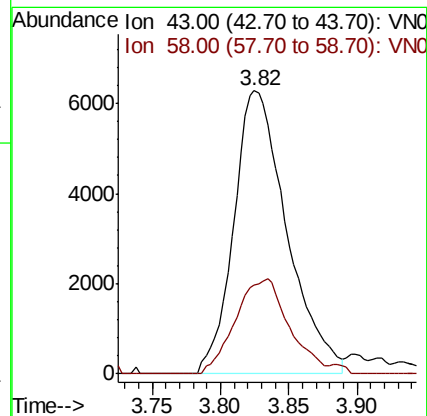
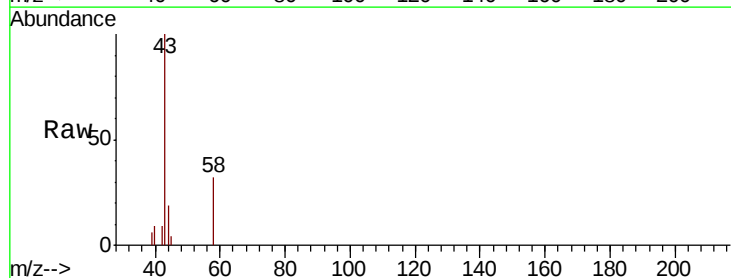
Acq: 13 Sep 2018 11:03

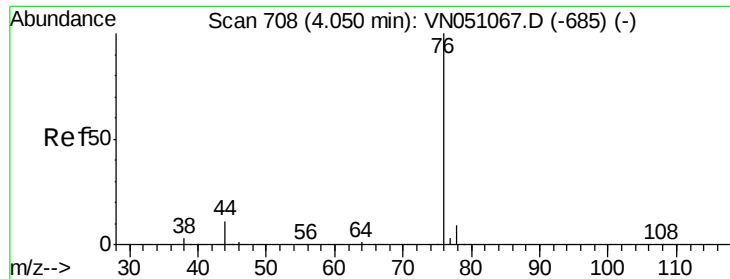
Tgt Ion: 43 Resp: 16999

Ion Ratio Lower Upper

43 100

58 31.5 27.8 41.6

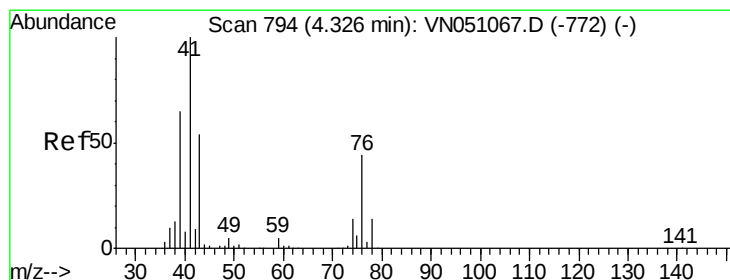
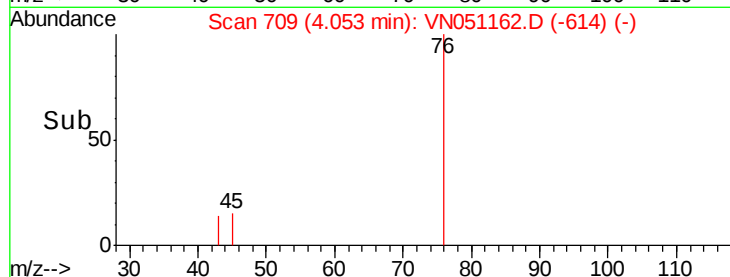
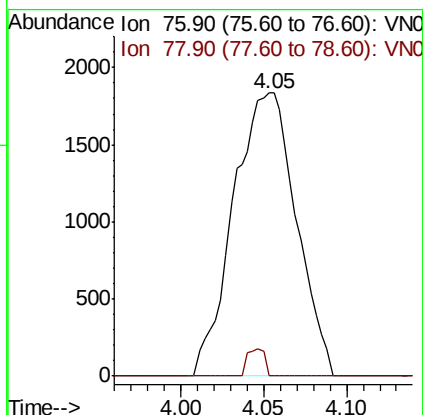
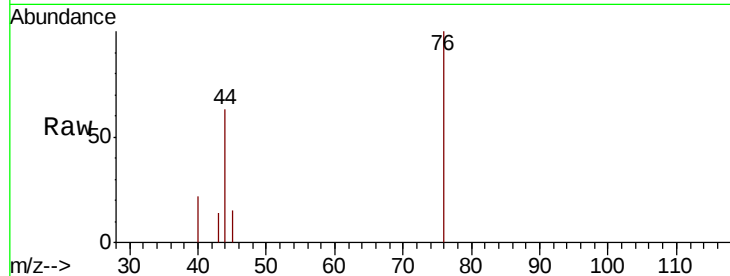




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

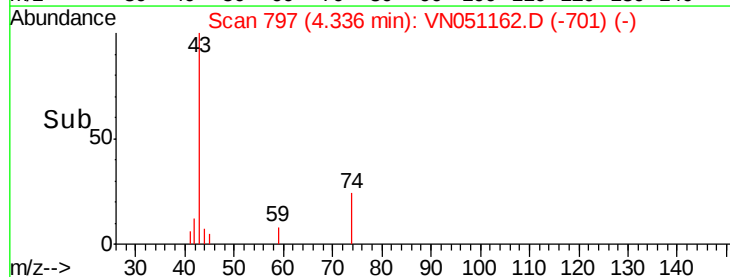
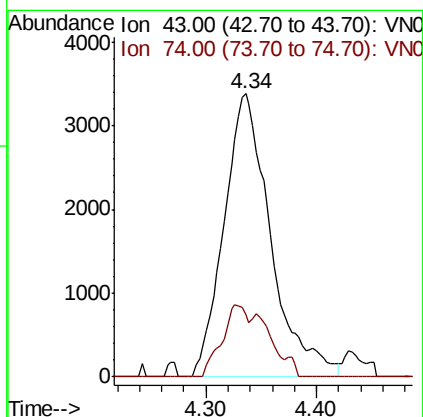
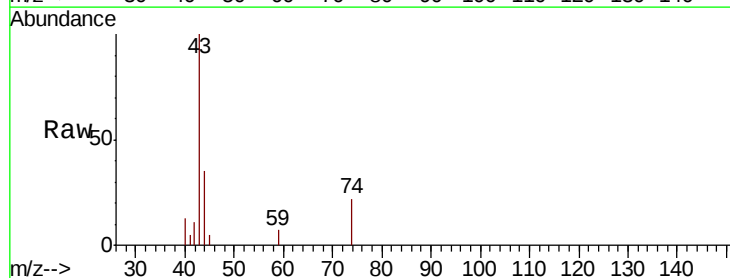
Instrument :
MSVOA_N
ClientSampleId :
PB112798ZHE#01

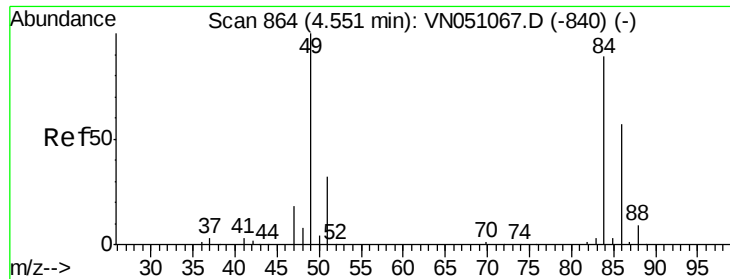
Tot Ion: 76 Resp: 4838
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.95 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion: 43 Resp: 9939
Ion Ratio Lower Upper
43 100
74 14.1 20.7 31.1#

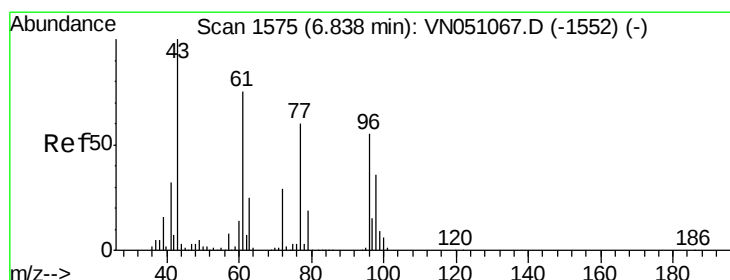
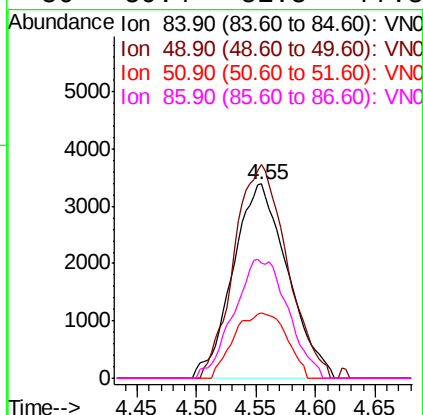
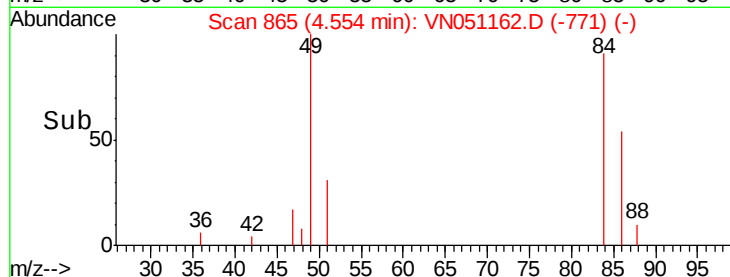
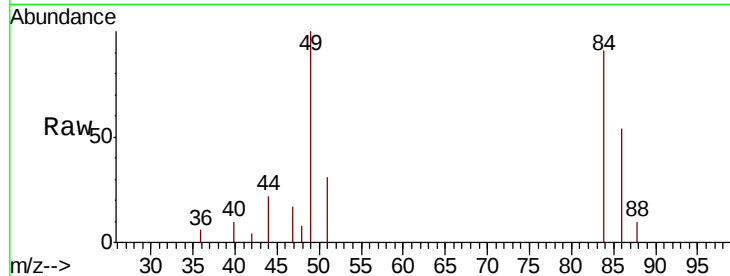




#20
Methvlene Chloride
Concen: 1.53 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

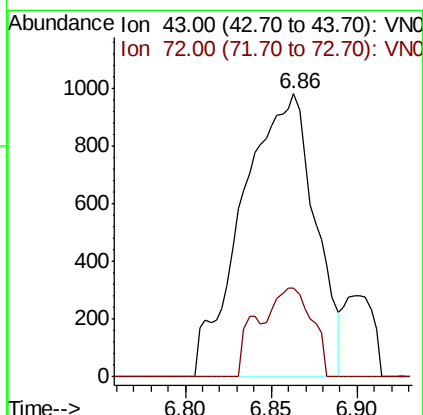
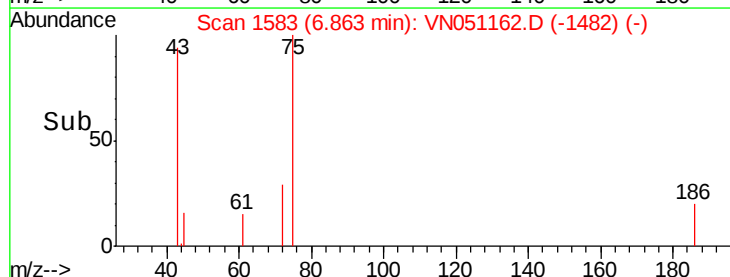
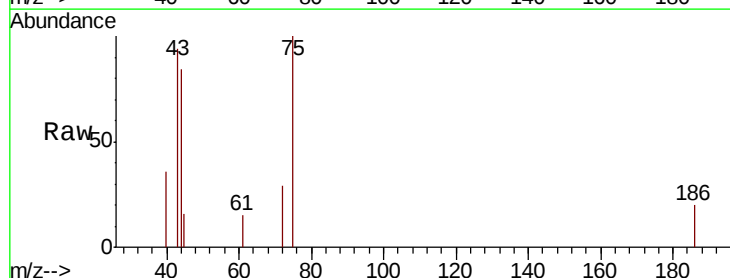
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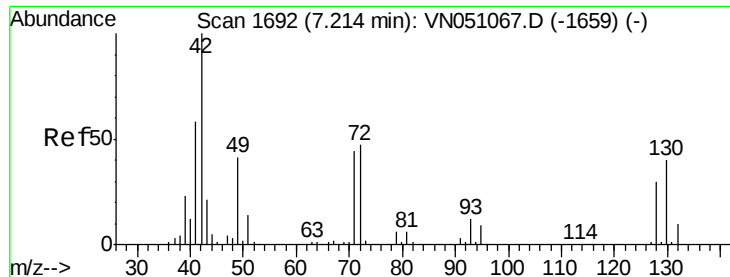
Tot Ion:	84	Resp:	10780
Ion	Ratio	Lower	Upper
84	100		
49	110.1	90.2	135.2
51	34.0	28.4	42.6
86	59.4	51.8	77.8



#25
2-Butanone
Concen: 1.14 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion:	43	Resp:	2866
Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.0	34.6





#29

Tetrahydrofuran

Concen: 0.92 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

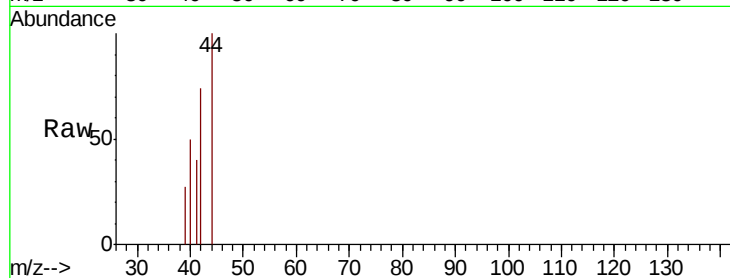
Tot Ion: 42 Resp: 1432

Ion Ratio Lower Upper

42 100

72 7.0 37.4 56.0#

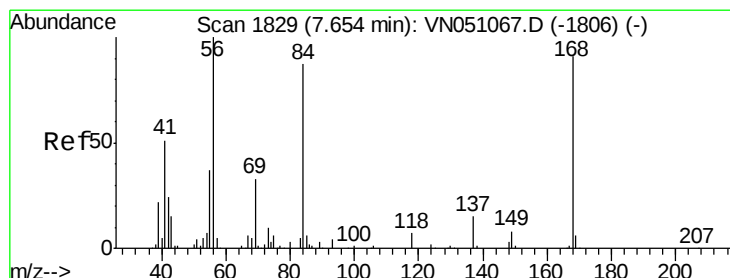
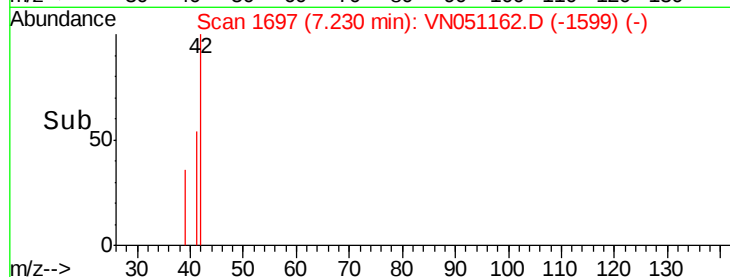
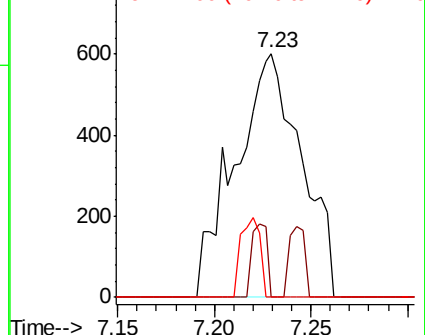
71 9.2 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.66 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. 0.02 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

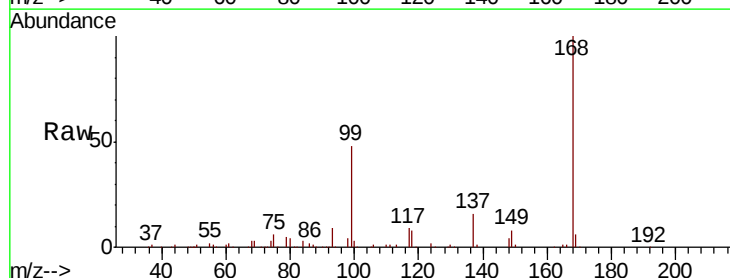
Tgt Ion: 56 Resp: 9192

Ion Ratio Lower Upper

56 100

69 223.2 26.3 39.5#

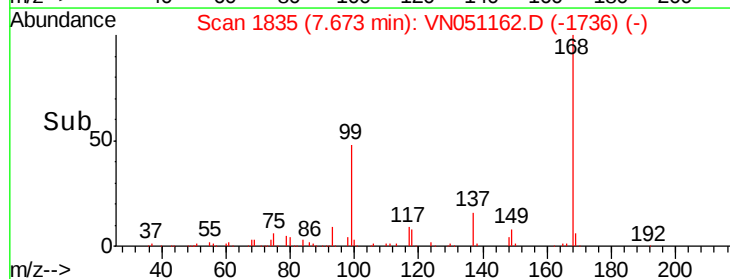
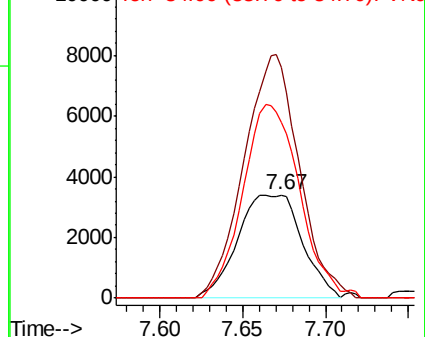
84 169.6 69.4 104.0#

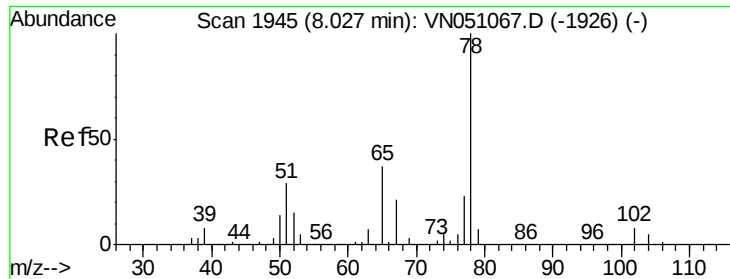


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

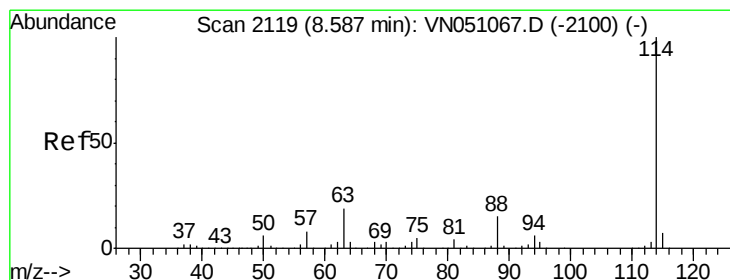
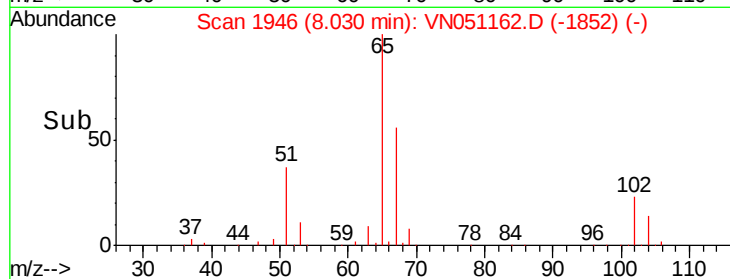
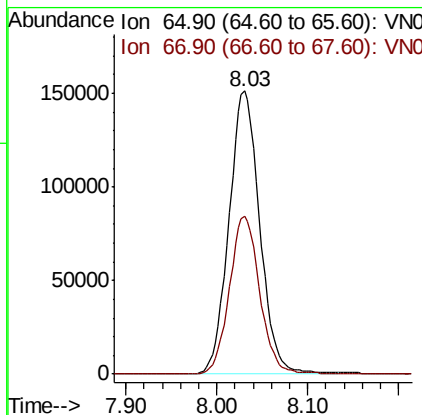
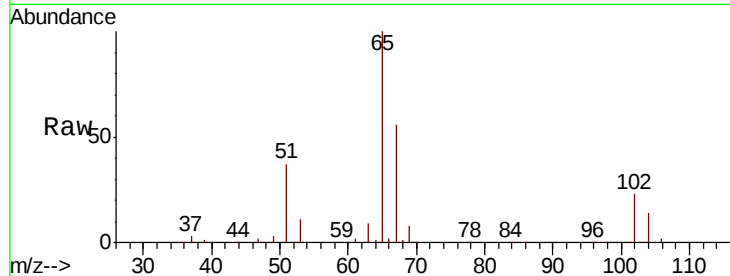




#33
 1,2-Dichloroethane-d4
 Concen: 55.90 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

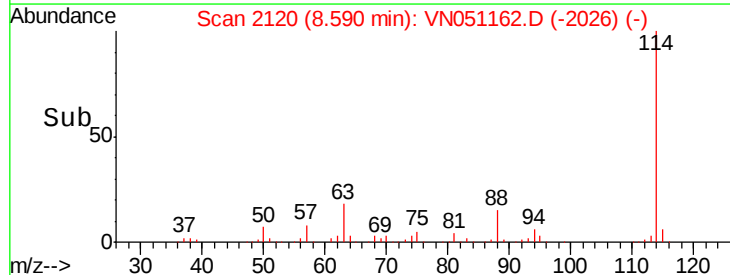
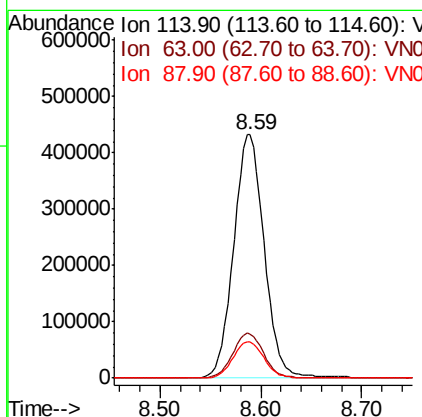
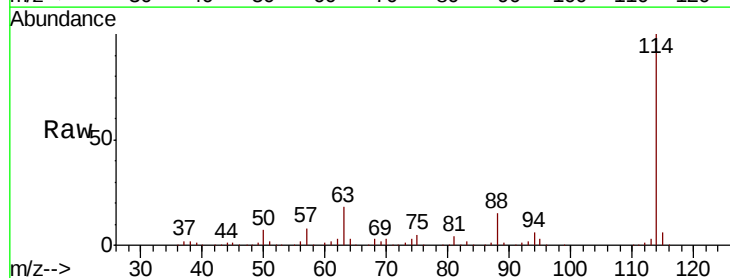
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112798ZHE#01

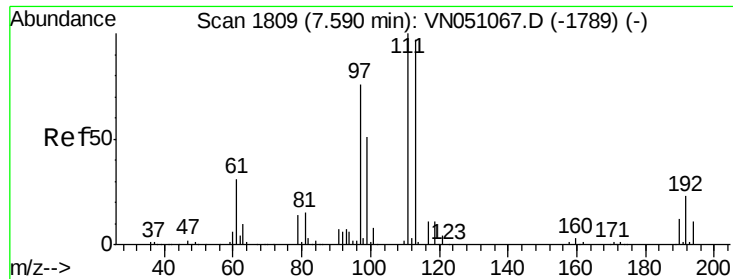
Tot Ion: 65 Resp: 355907
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

Tgt Ion: 114 Resp: 907623
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 14.9 0.0 30.8

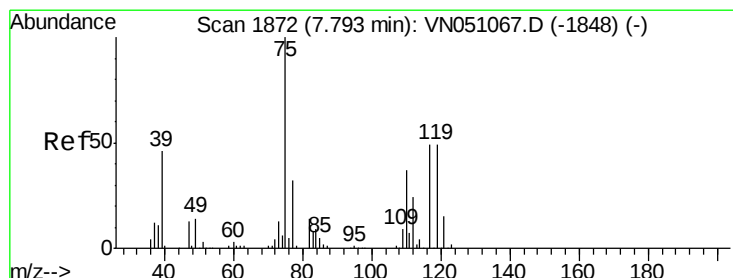
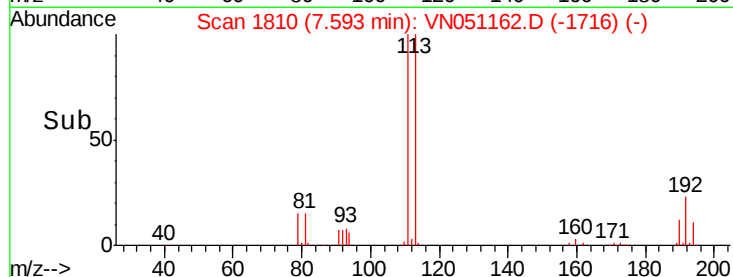
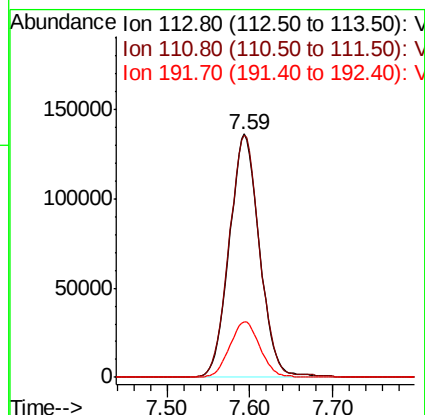
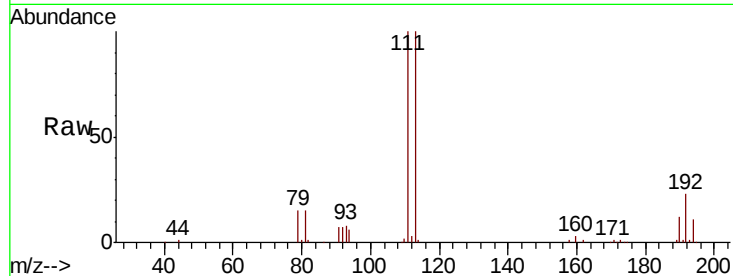




#35
Dibromofluoromethane
Concen: 50.52 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

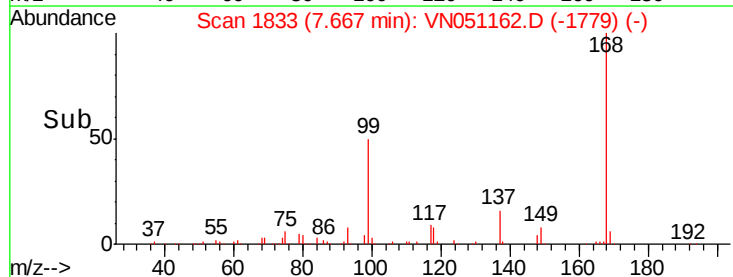
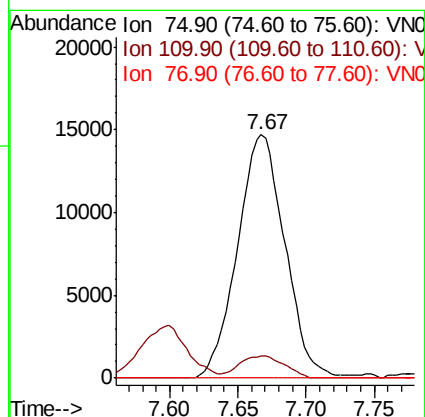
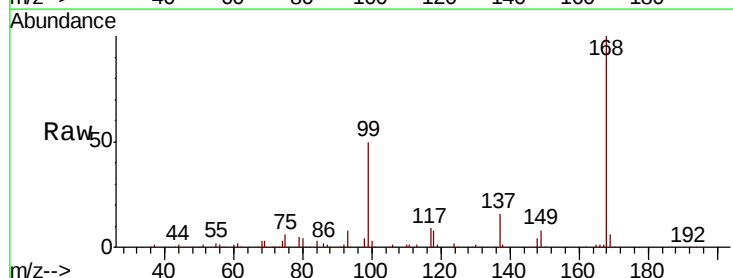
Instrument :
MSVOA_N
ClientSampleId :
PB112798ZHE#01

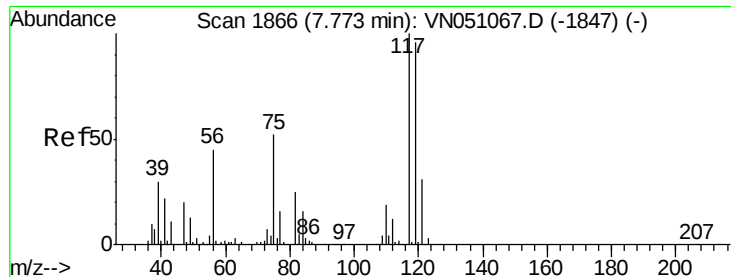
Tot Ion:113 Resp: 344524
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 23.1 18.7 28.1



#36
1,1-Dichloropropene
Concen: 3.55 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion: 75 Resp: 35384
Ion Ratio Lower Upper
75 100
110 8.7 18.6 55.8#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.02 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

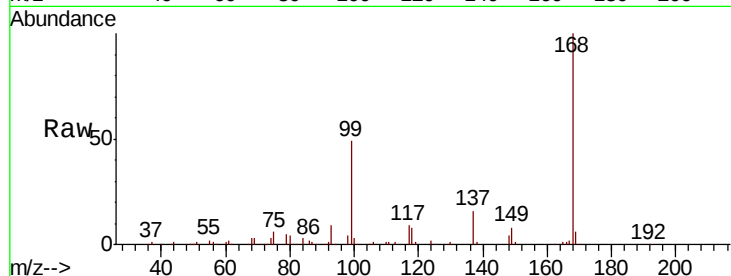
Tot Ion:117 Resp: 49231

Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

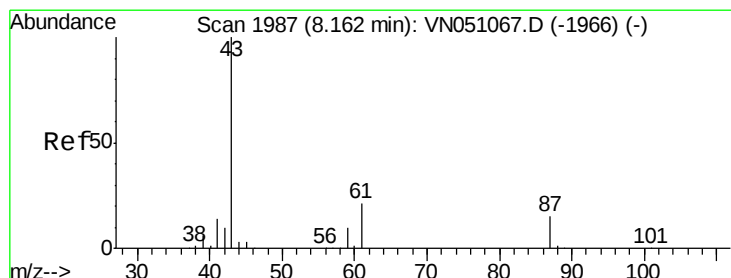
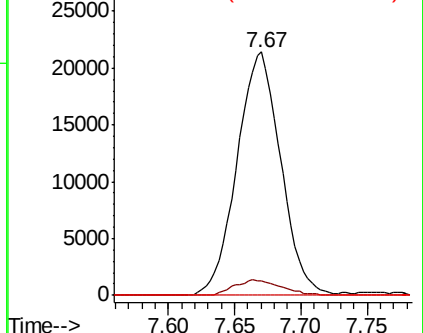
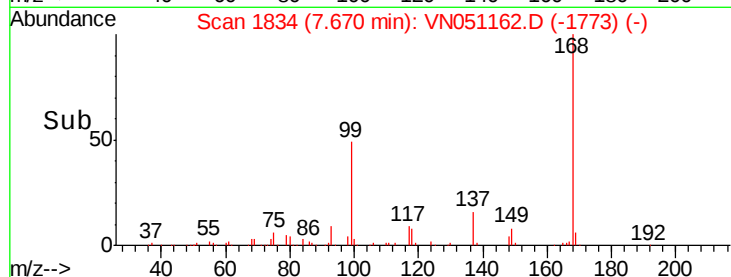
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 25.45 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

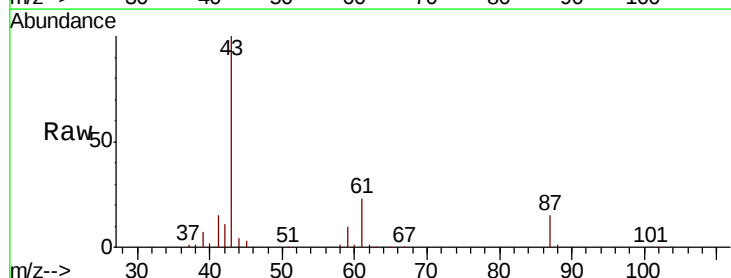
Tgt Ion: 43 Resp: 259115

Ion Ratio Lower Upper

43 100

61 22.3 25.0 37.6#

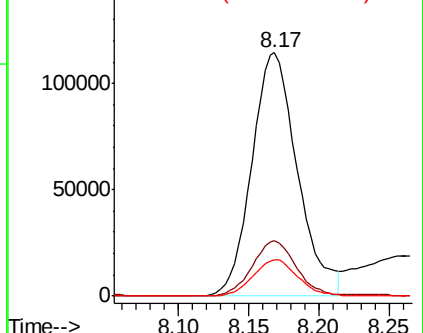
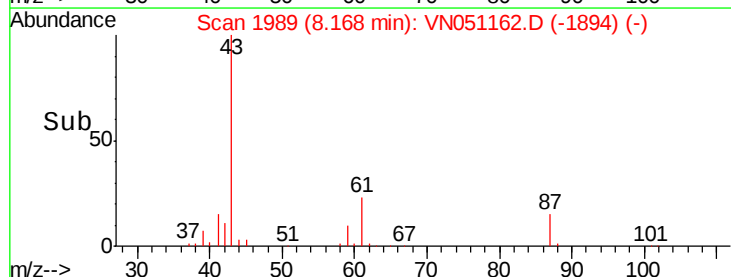
87 14.7 11.8 17.8

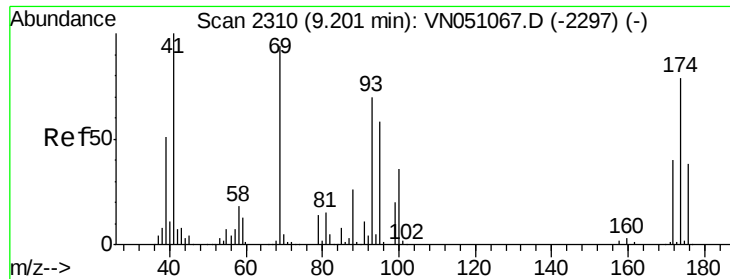


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

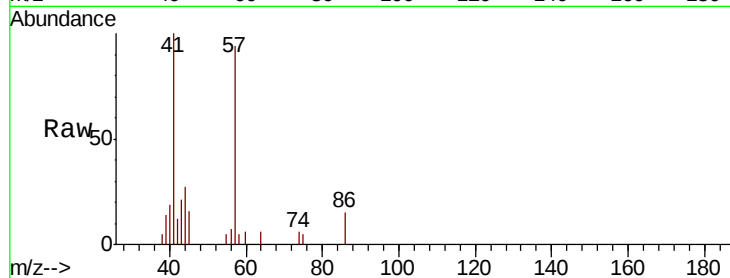




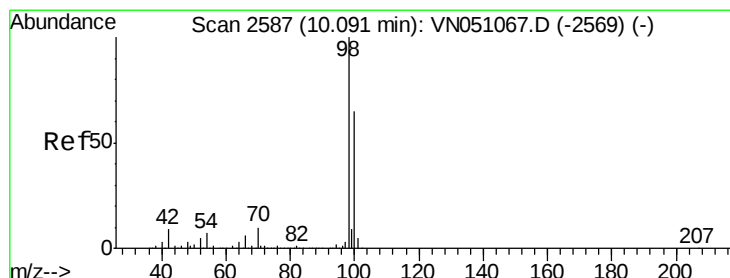
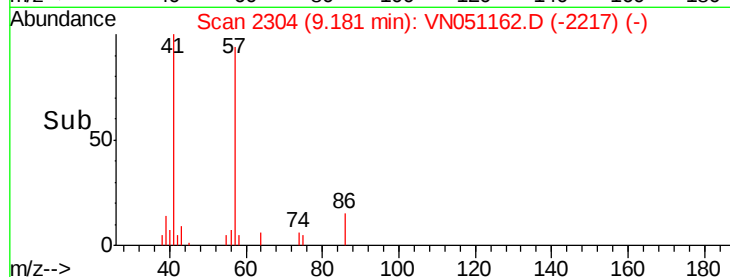
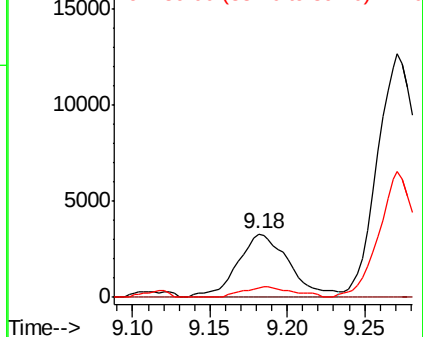
#48
Methyl methacrylate
Concen: 1.55 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
PB112798ZHE#01

Tot Ion: 41 Resp: 7686
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 14.3 41.6 62.4#

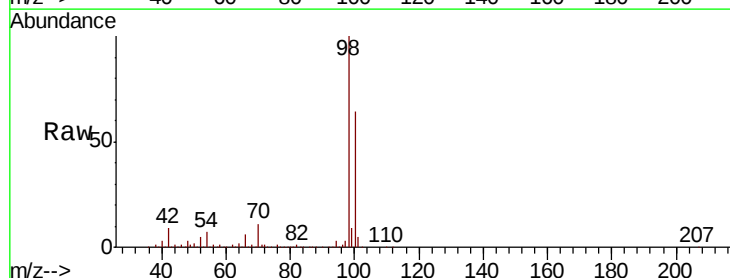


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

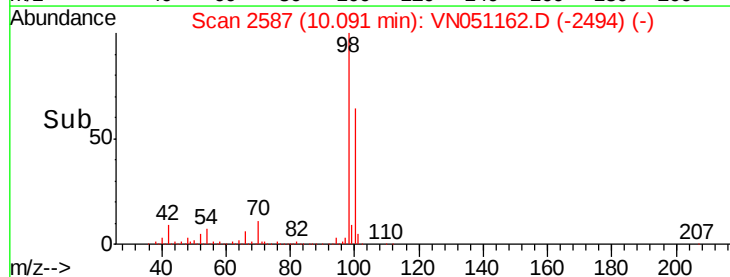
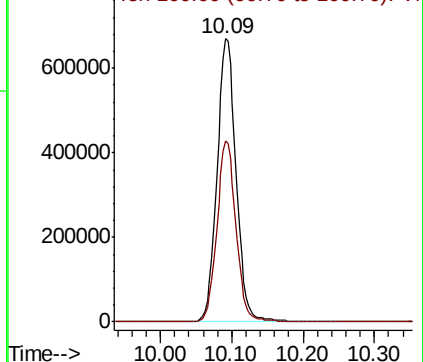


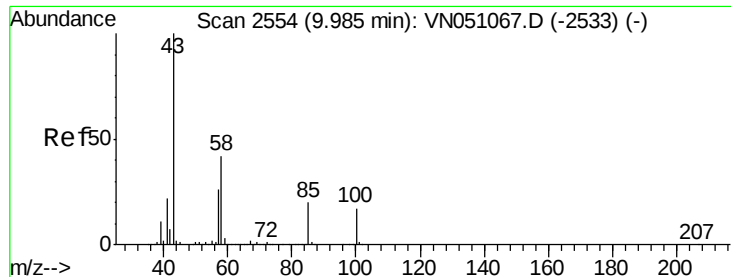
#50
Toluene-d8
Concen: 47.82 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion: 98 Resp: 1237534
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



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: 0.46 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

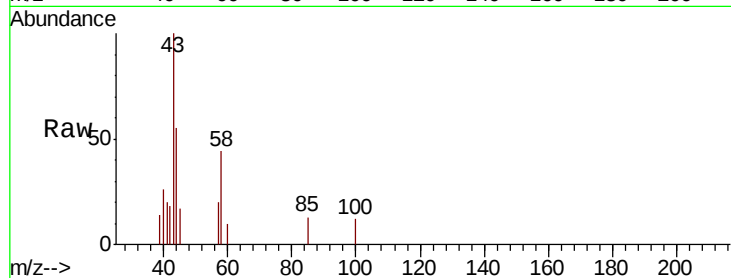
PB112798ZHE#01

Tot Ion: 43 Resp: 2563

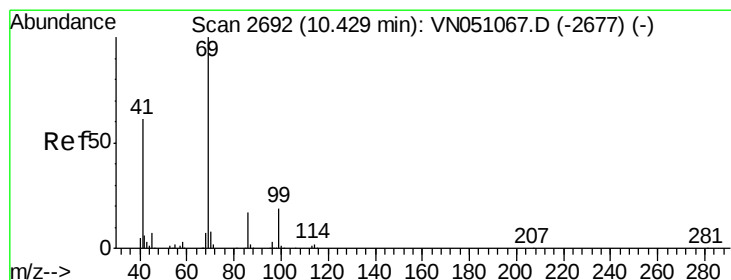
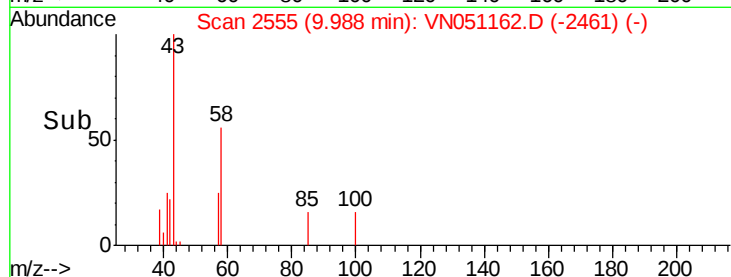
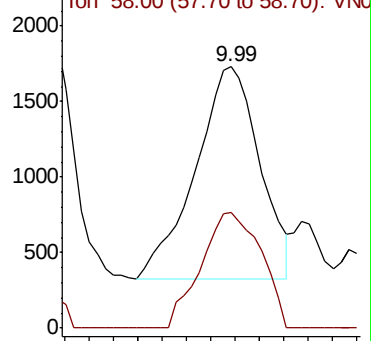
Ion Ratio Lower Upper

43 100

58 50.8 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)



#56

Ethyl methacrylate

Concen: 2.47 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

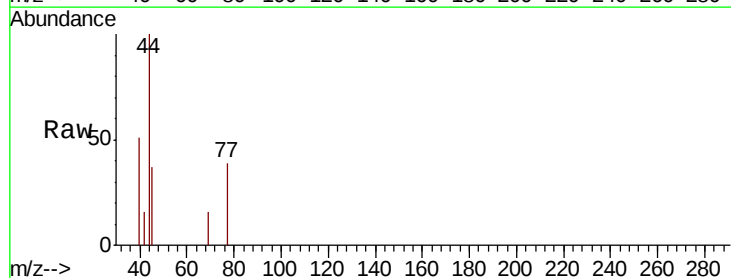
Tgt Ion: 69 Resp: 121

Ion Ratio Lower Upper

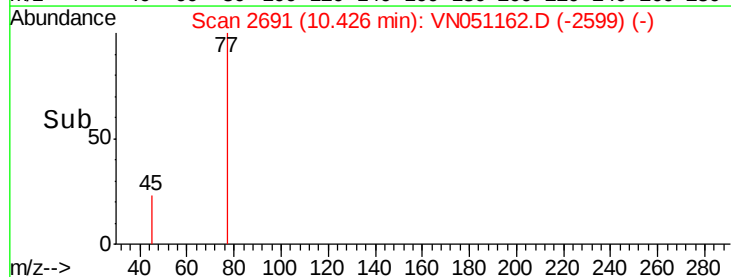
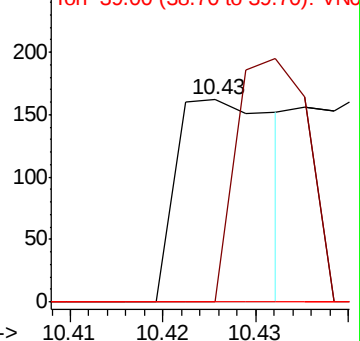
69 100

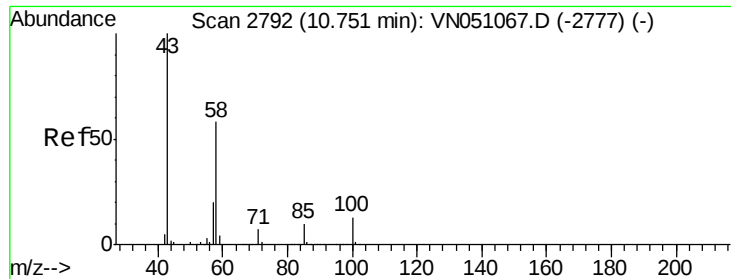
41 0.0 47.8 71.8#

39 0.0 23.0 34.4#



Abundance Ion 69.00 (68.70 to 69.70): VN051067.D (-2677) (-)

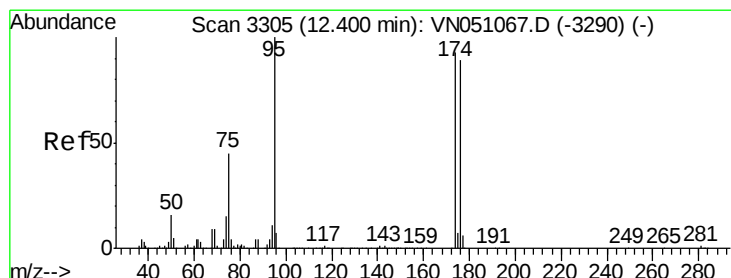
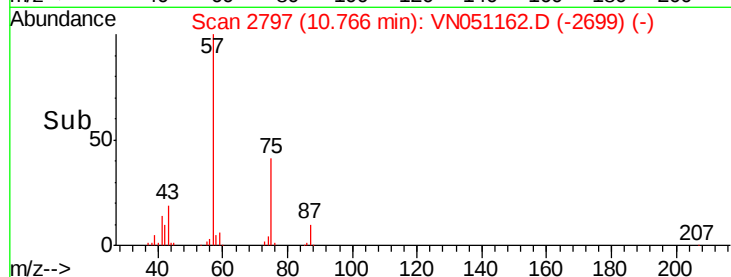
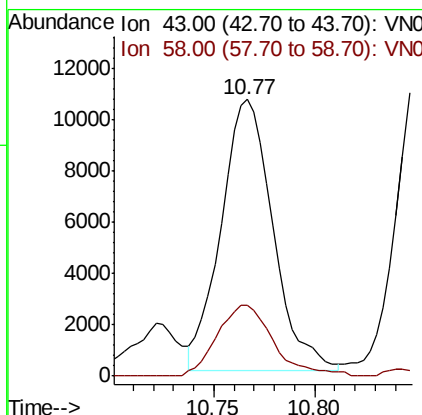
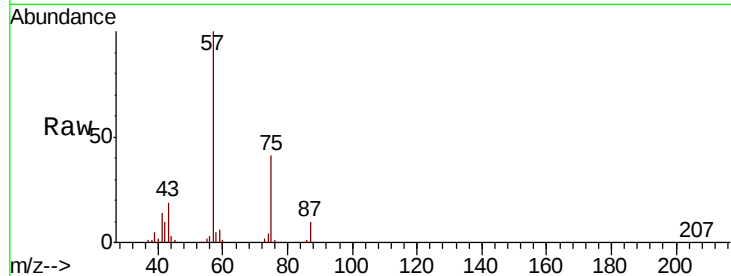




#59
2-Hexanone
Concen: 4.98 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

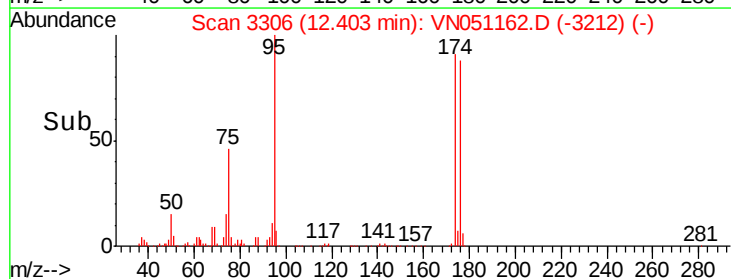
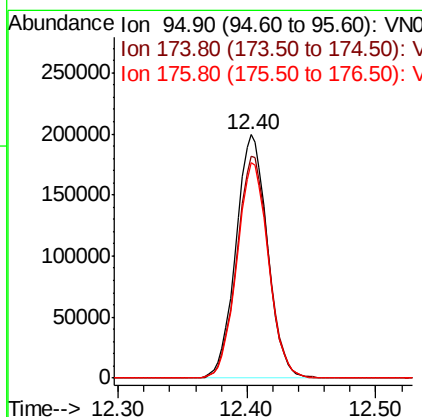
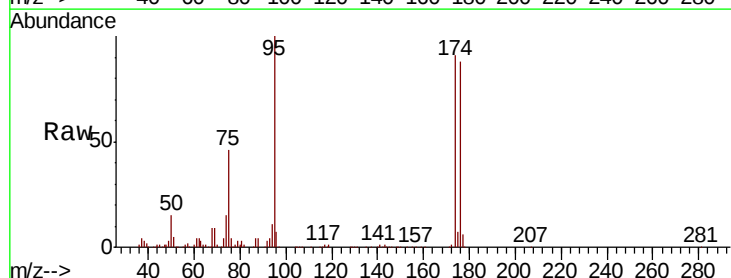
Instrument :
MSVOA_N
ClientSampleId :
PB112798ZHE#01

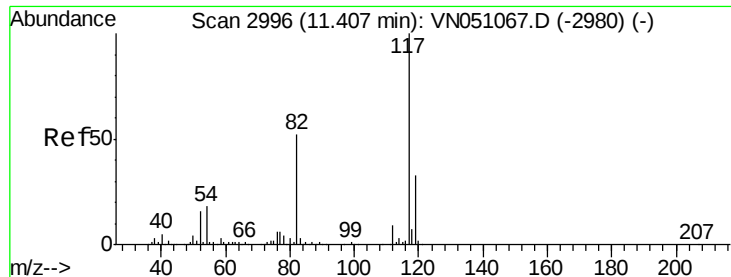
Tot Ion: 43 Resp: 19030
Ion Ratio Lower Upper
43 100
58 28.2 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 39.54 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051162.D
Acq: 13 Sep 2018 11:03

Tgt Ion: 95 Resp: 338504
Ion Ratio Lower Upper
95 100
174 92.4 0.0 184.8
176 88.7 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

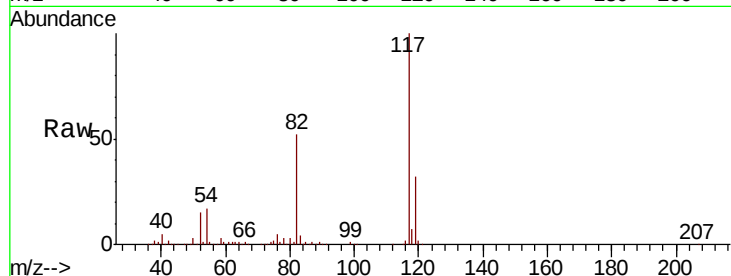
Tot Ion:117 Resp: 788812

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.6

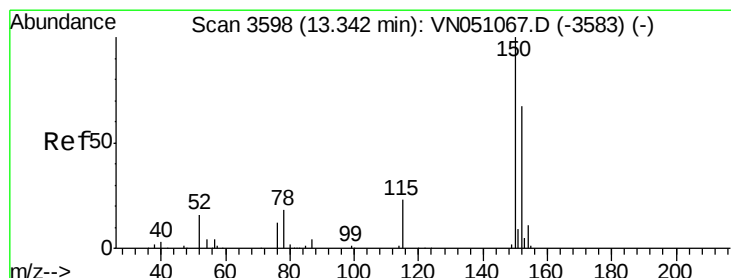
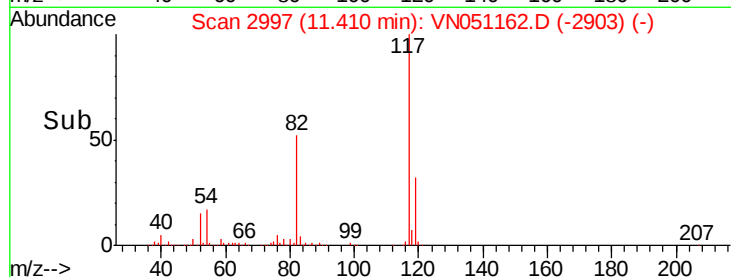
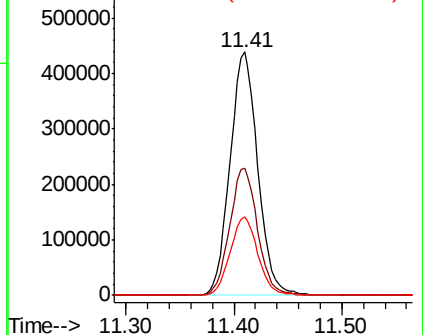
119 32.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

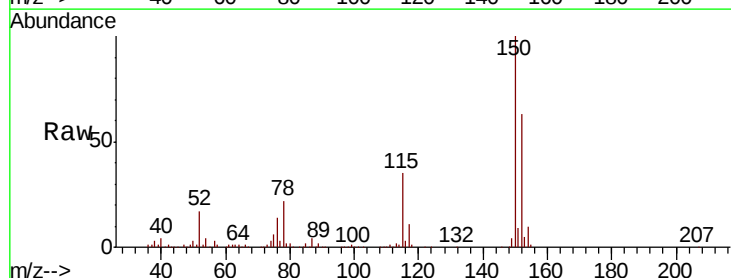
Tgt Ion:152 Resp: 254403

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

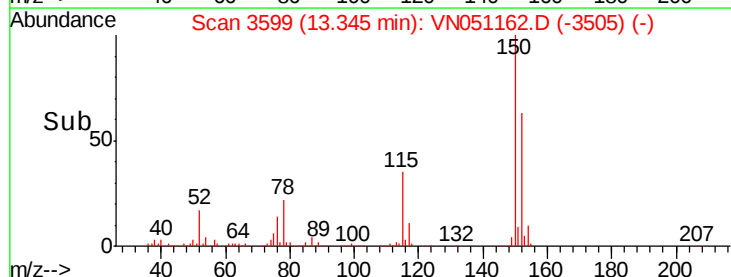
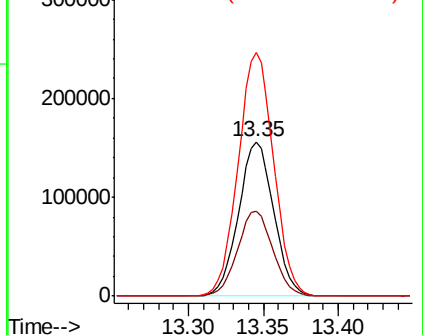
150 159.6 0.0 349.0

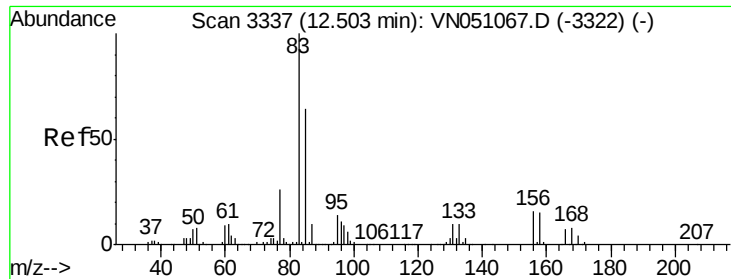


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

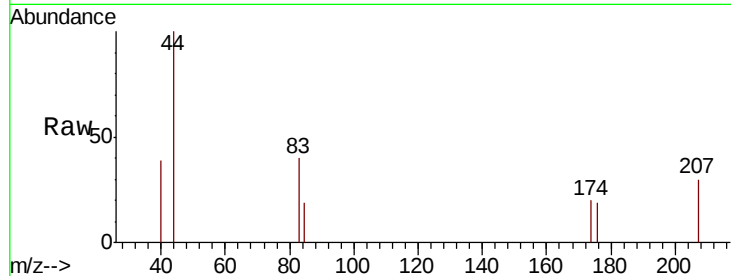
Tot Ion: 83 Resp: 502

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

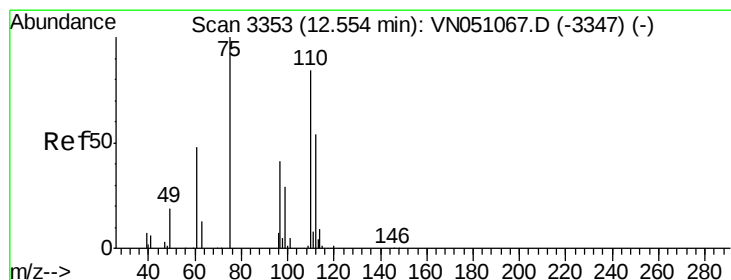
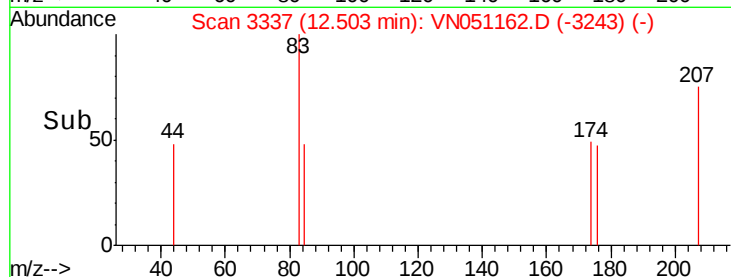
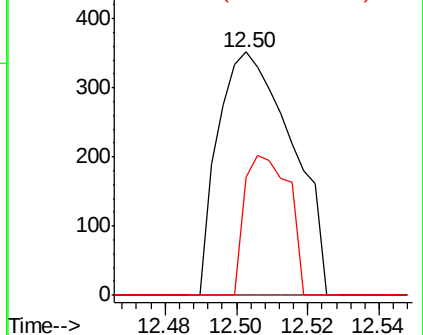
85 34.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 38.72 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051162.D

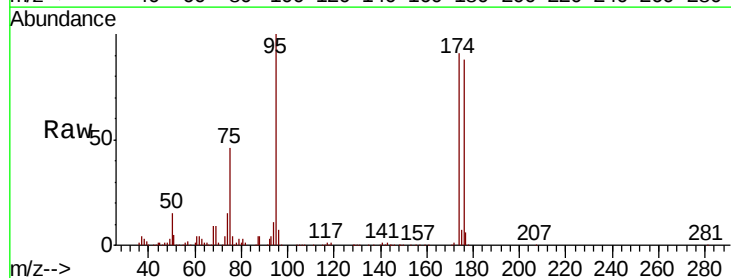
Acq: 13 Sep 2018 11:03

Tgt Ion: 75 Resp: 154050

Ion Ratio Lower Upper

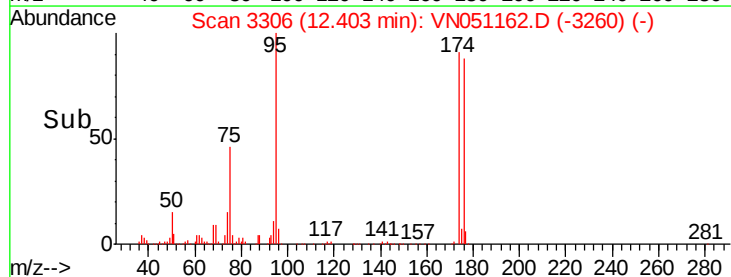
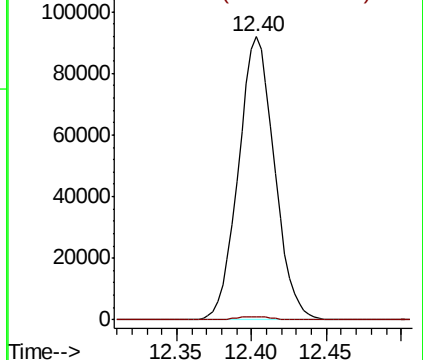
75 100

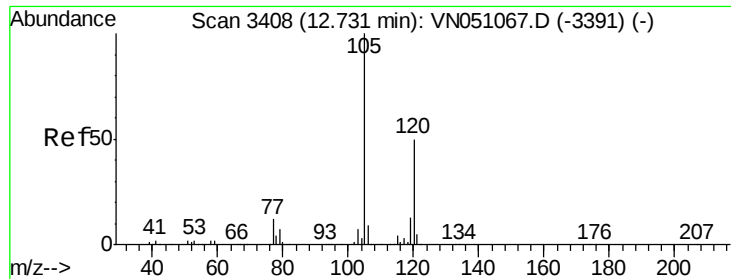
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

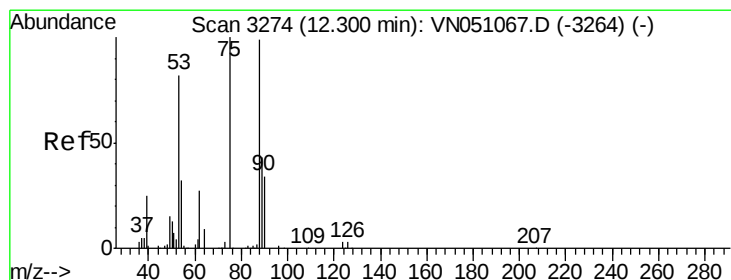
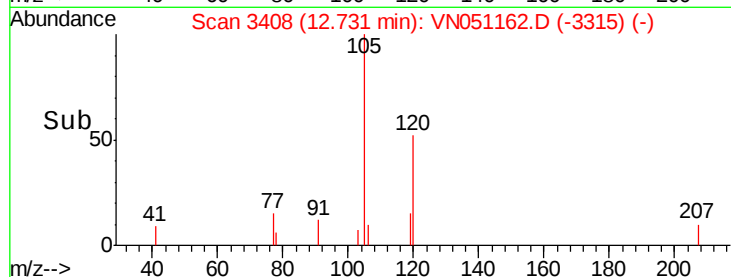
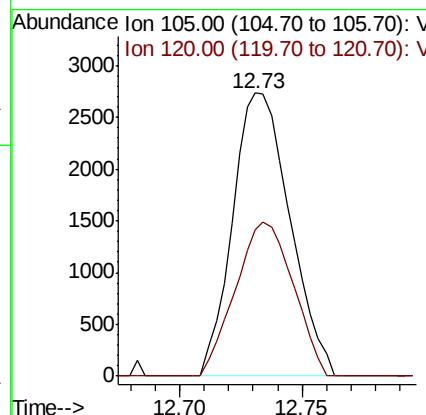
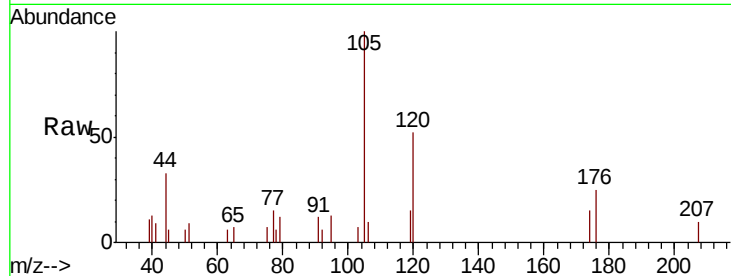




#80
 1,3,5-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

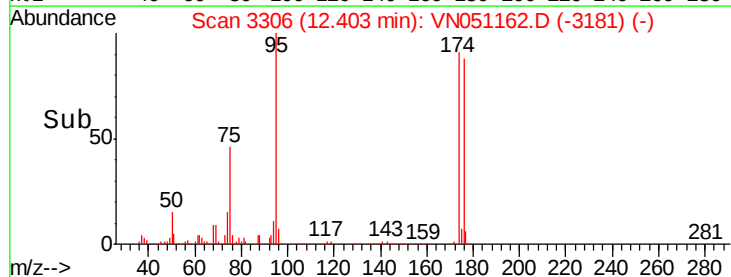
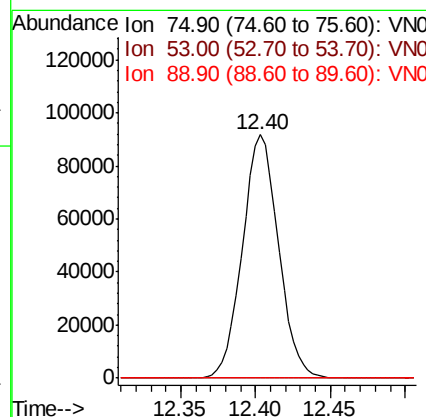
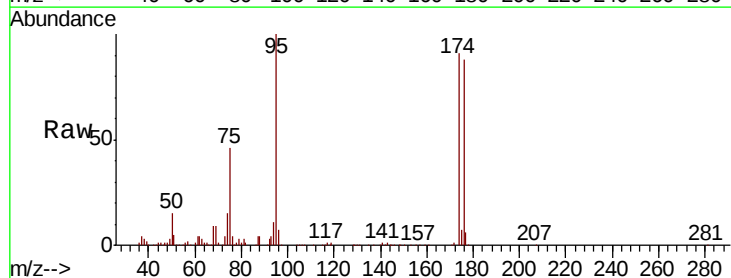
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112798ZHE#01

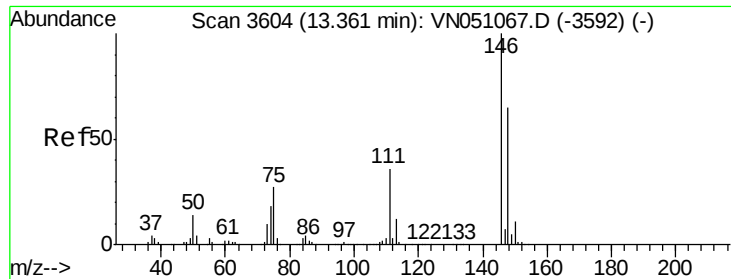
Tot Ion:105 Resp: 4451
 Ion Ratio Lower Upper
 105 100
 120 54.9 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.00 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

Tgt Ion: 75 Resp: 154050
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.8 101.8#
 89 0.0 36.0 54.0#





#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

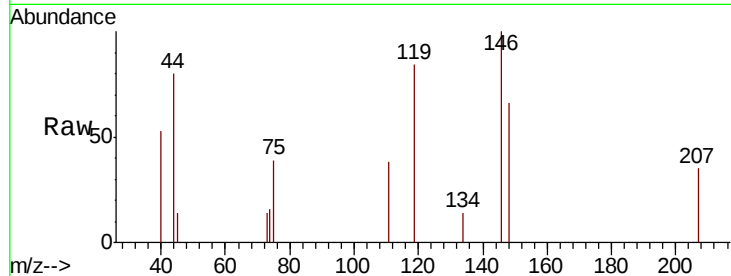
Tot Ion:146 Resp: 1847

Ion Ratio Lower Upper

146 100

111 38.4 18.4 55.0

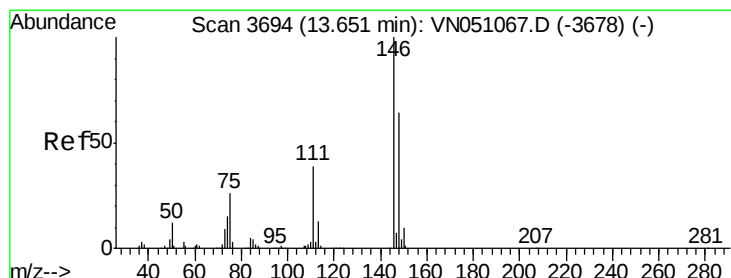
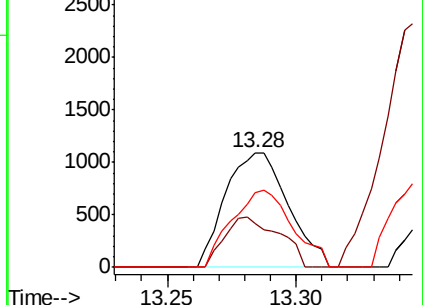
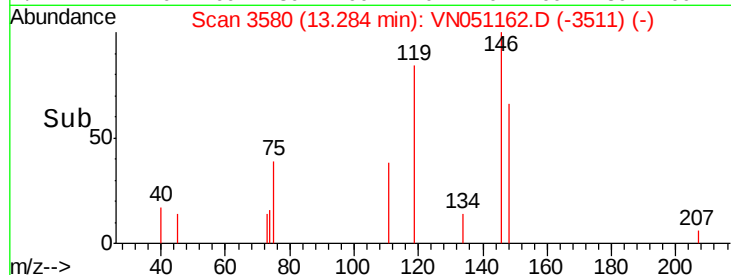
148 65.2 32.2 96.6



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: 0.22 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

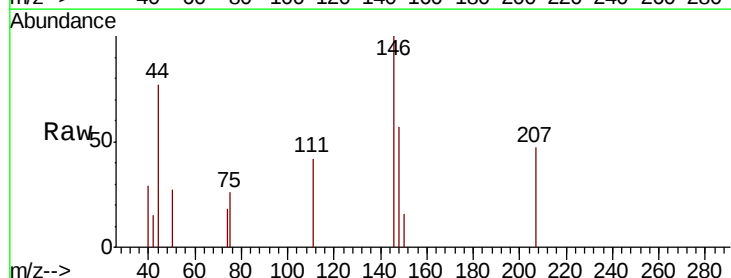
Tgt Ion:146 Resp: 2051

Ion Ratio Lower Upper

146 100

111 34.3 19.7 59.0

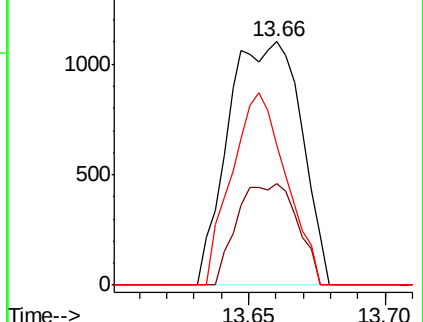
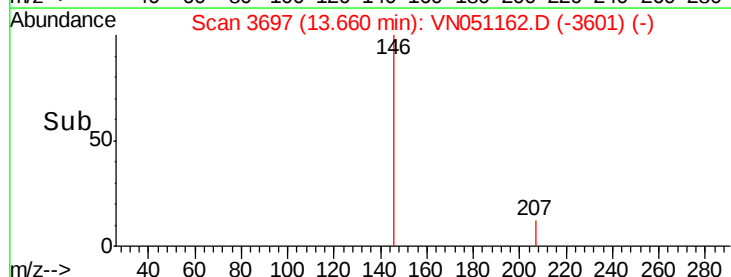
148 58.7 32.1 96.3

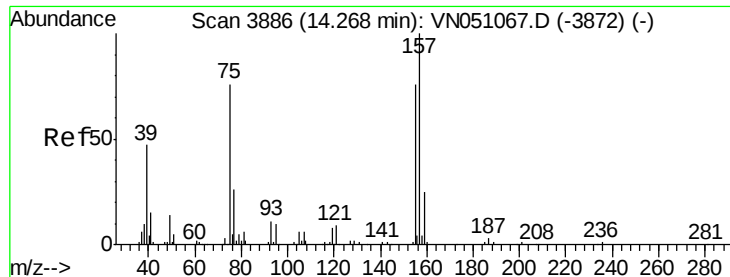


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

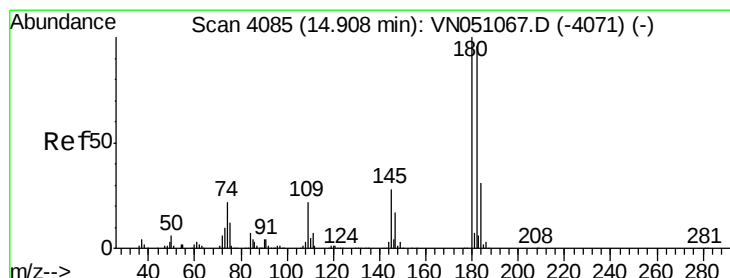
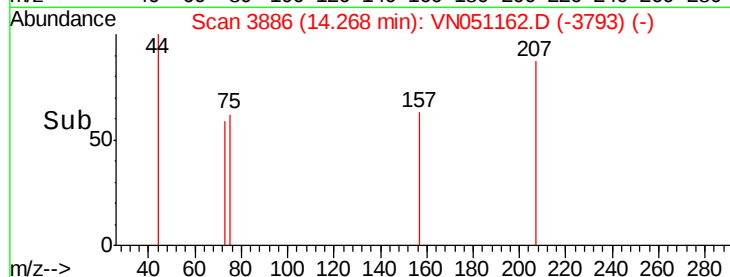
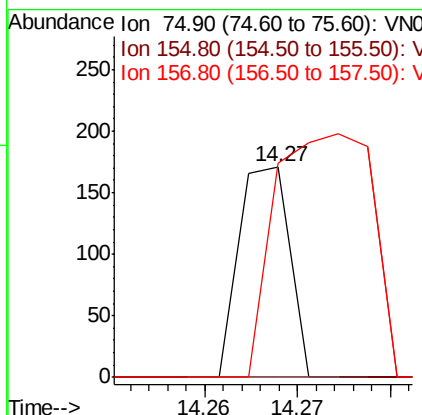
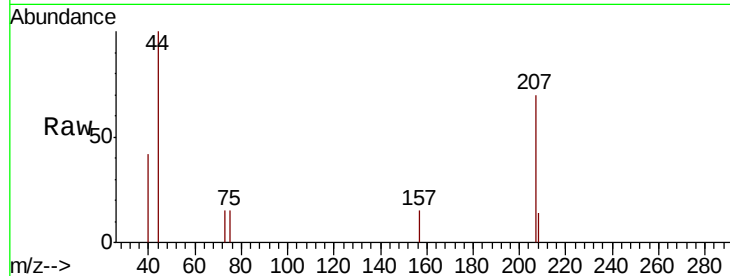




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.74 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

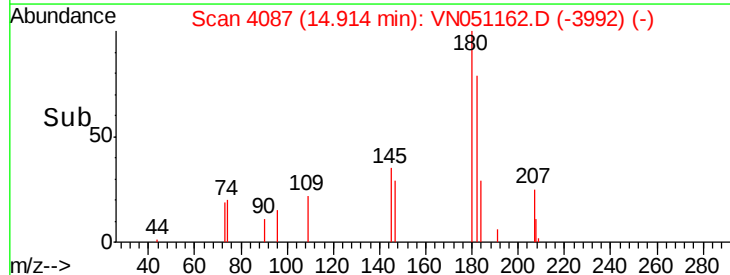
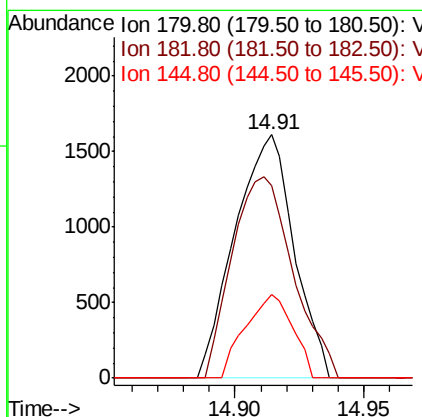
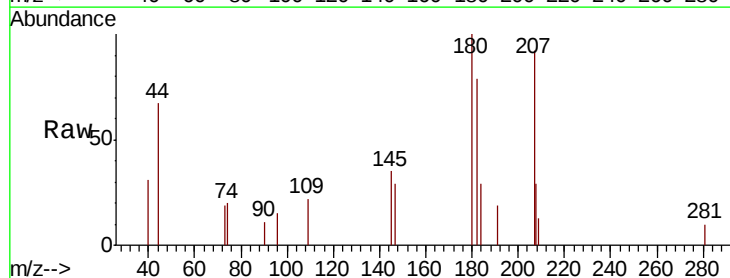
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112798ZHE#01

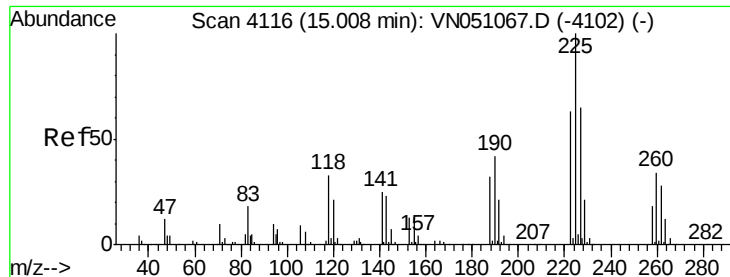
Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.7	146.1#
157	223.1	63.6	190.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.50 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.5	47.3	141.8
145	27.6	14.2	42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

PB112798ZHE#01

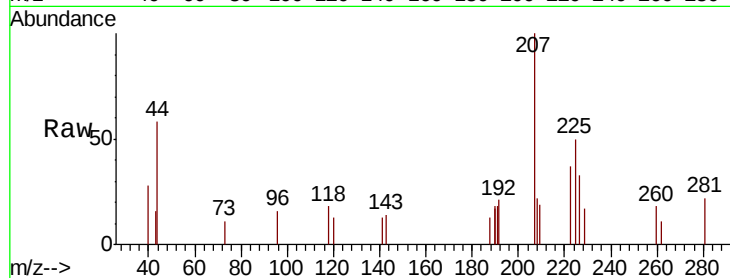
Tot Ion:225 Resp: 1043

Ion Ratio Lower Upper

225 100

223 88.8 31.4 94.0

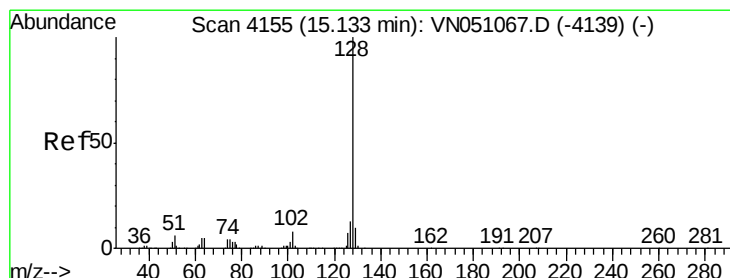
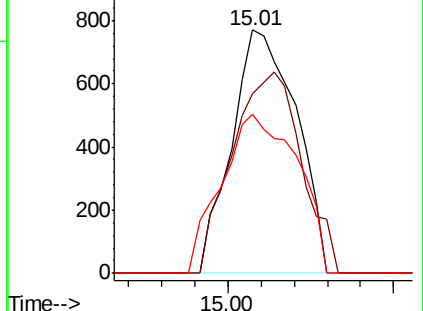
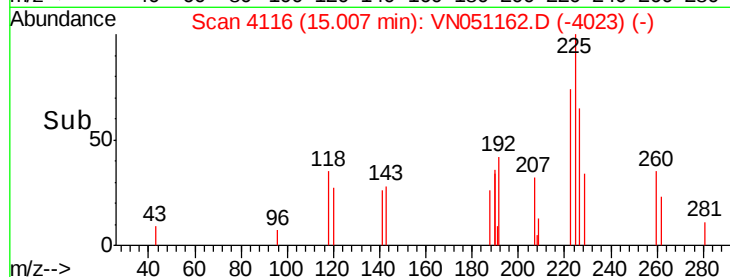
227 77.4 32.1 96.3



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: 5.87 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051162.D

Acq: 13 Sep 2018 11:03

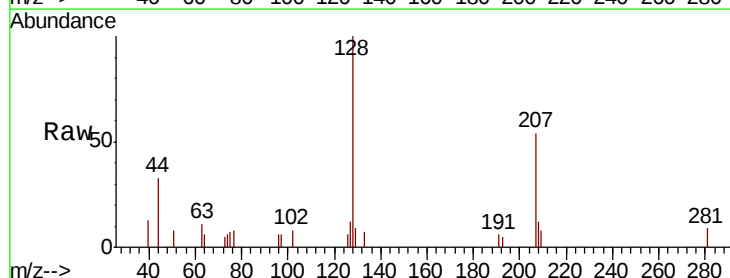
Tgt Ion:128 Resp: 5672

Ion Ratio Lower Upper

128 100

127 10.7 10.6 15.8

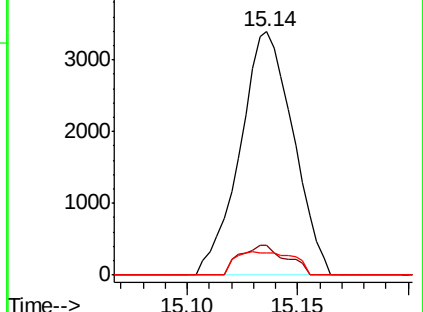
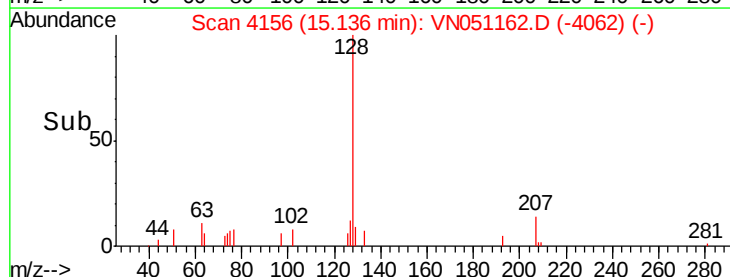
129 10.3 8.6 12.8

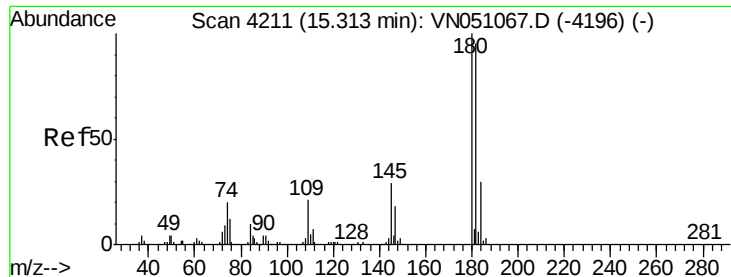


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

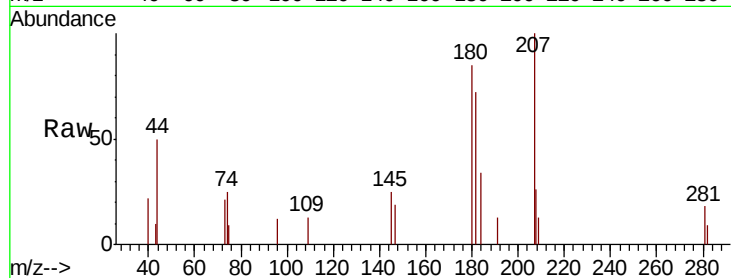




#96
 1,2,3-Trichlorobenzene
 Concen: 3.51 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051162.D
 Acq: 13 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112798ZHE#01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	35.3	14.6	43.8



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

