

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050467.D
 Acq On : 8 Aug 2018 18:32
 Operator : MD\SY
 Sample : J4380-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Aug 09 00:58:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	804217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1243550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1075698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	447885	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	513312	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	7.59	113	469354	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	10.09	98	1694823	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	12.40	95	514561	40.24	ug/l	0.00
Spiked Amount			Recovery	=	80.48%	

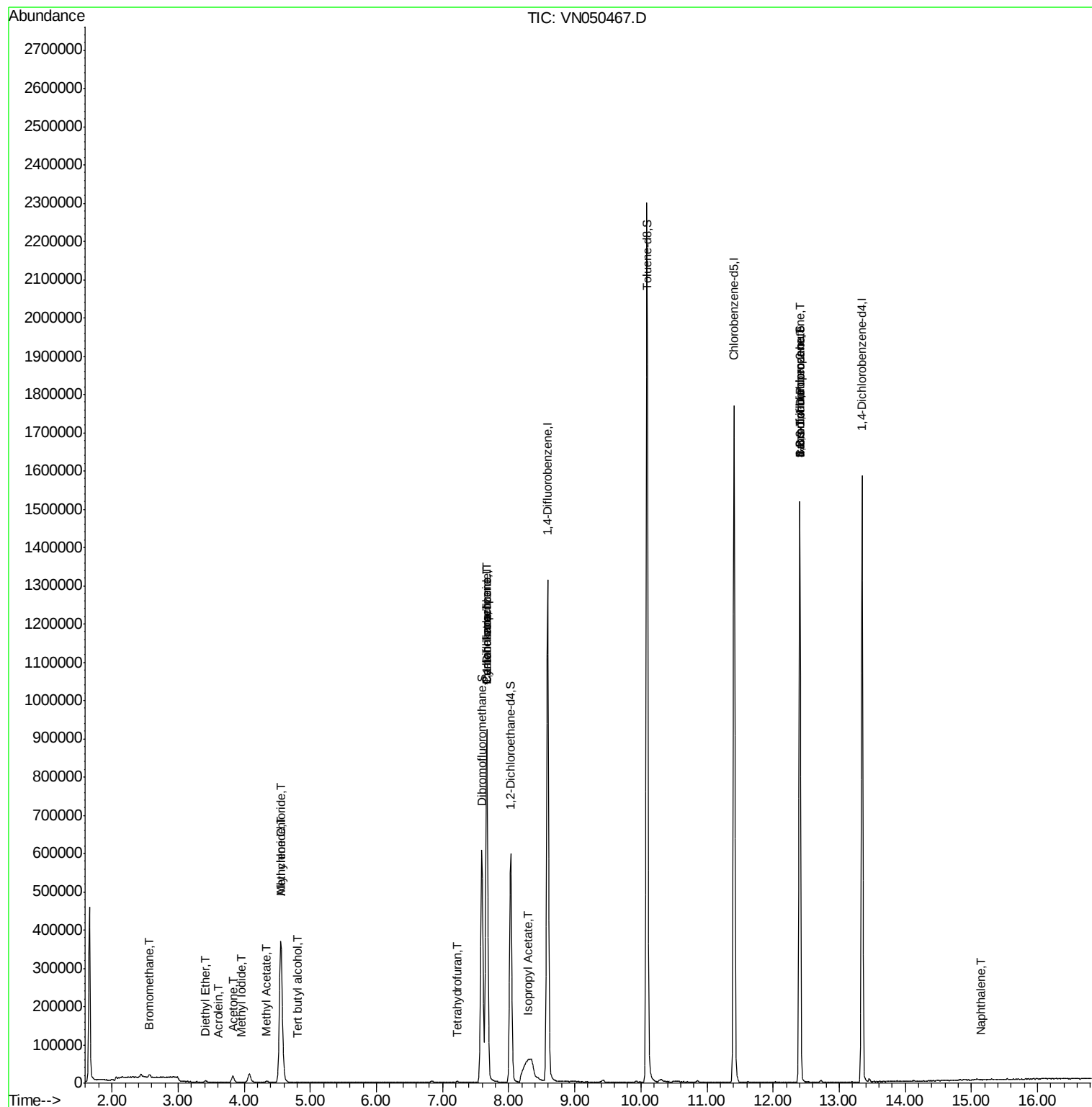
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5233	Below Cal		99
5) Bromomethane	2.57	94	4211	0.92 ug/l		99
8) Diethyl Ether	3.41	74	1477	0.27 ug/l #		15
10) Methyl Iodide	3.96	142	1371	0.34 ug/l #		52
11) Tert butyl alcohol	4.81	59	499	0.58 ug/l #		72
13) Acrolein	3.61	56	155	15.16 ug/l #		15
14) Allyl chloride	4.55	41	10485	0.75 ug/l #		24
16) Acetone	3.82	43	28211	8.46 ug/l		96
18) Methyl Acetate	4.33	43	6263	0.56 ug/l		91
20) Methylene Chloride	4.55	84	302237	30.23 ug/l		98
29) Tetrahydrofuran	7.22	42	1716	0.60 ug/l #		78
31) Cyclohexane	7.67	56	13245	0.23 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	54644	4.00 ug/l #		48
38) Carbon Tetrachloride	7.67	117	71390	5.01 ug/l #		17
43) Isopropyl Acetate	8.28	43	91497	5.39 ug/l #		61
71) Bromoform	12.40	173	3066	0.43 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	243114	29.99 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	243114	105.36 ug/l #		13
95) Naphthalene	15.13	128	461	3.64 ug/l #		69

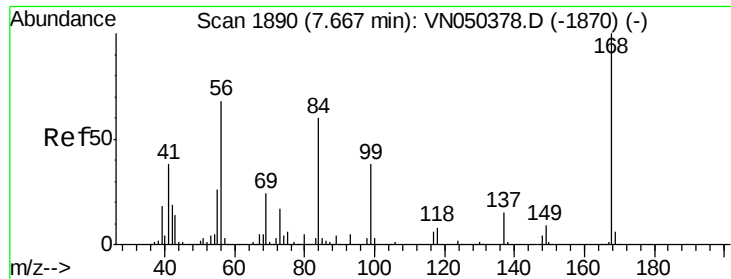
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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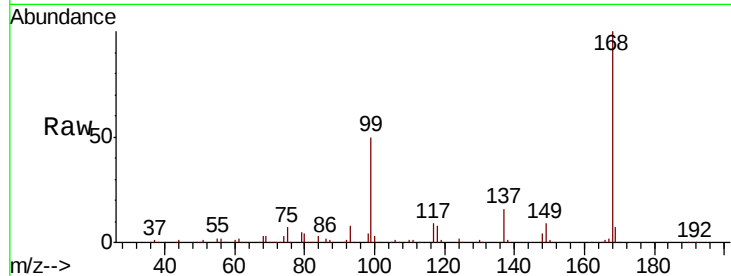


#1

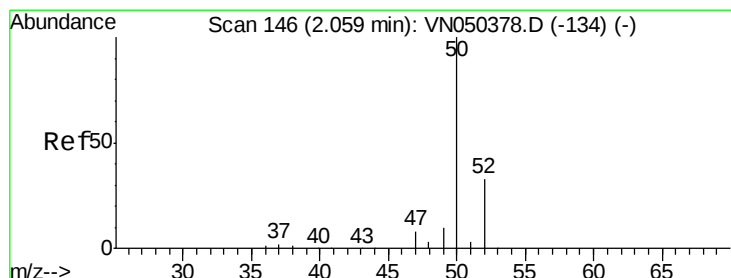
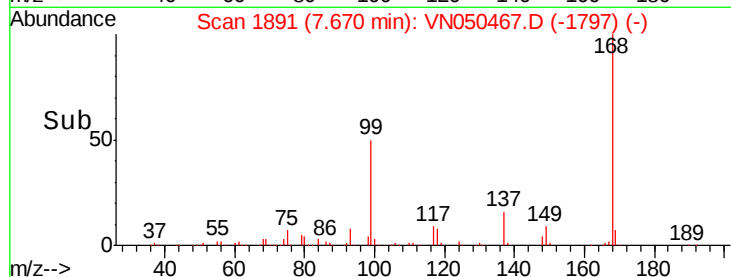
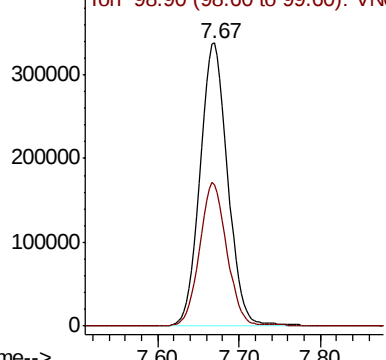
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Tot Ion:168 Resp: 804217
 Ion Ratio Lower Upper
 168 100
 99 50.1 40.0 60.0



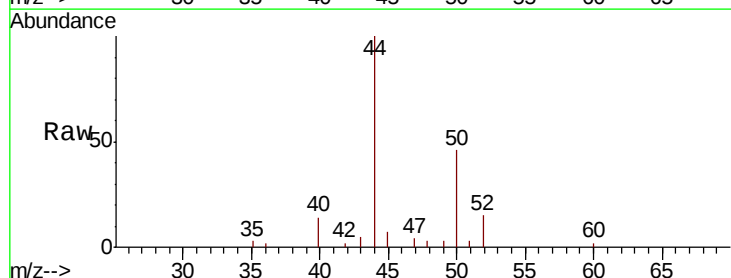
Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)



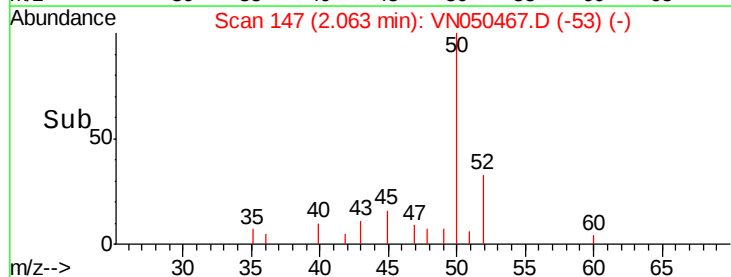
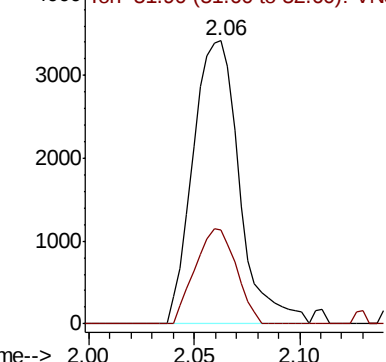
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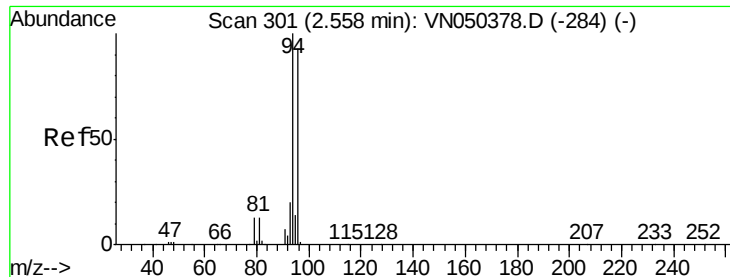
Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Tgt Ion: 50 Resp: 5233
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)





#5

Bromomethane

Concen: 0.92 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

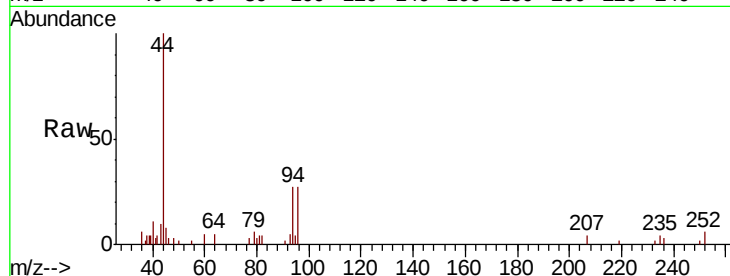
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Tot Ion: 94 Resp: 4211

Ion Ratio Lower Upper

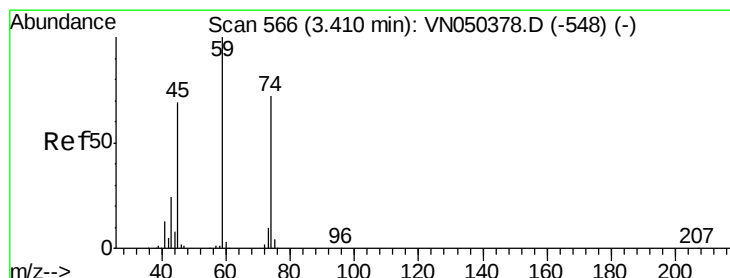
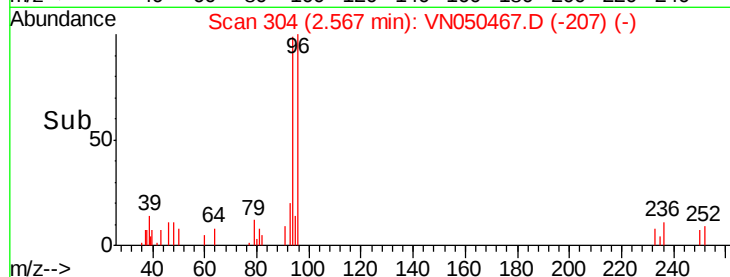
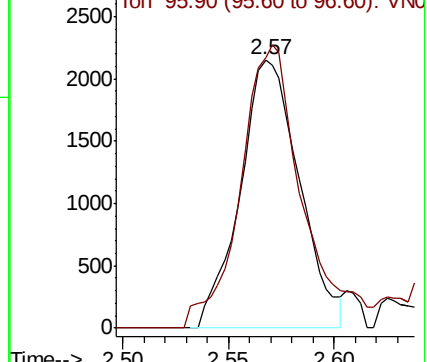
94 100

96 92.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050467.D

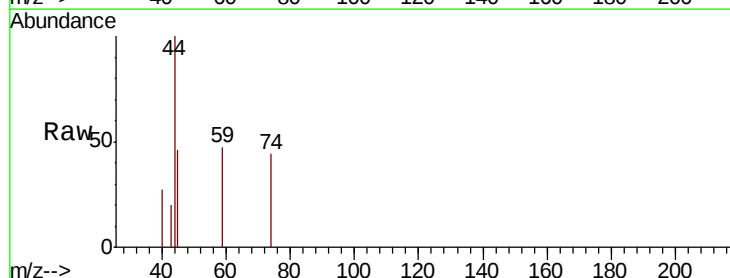
Acq: 8 Aug 2018 18:32

Tgt Ion: 74 Resp: 1477

Ion Ratio Lower Upper

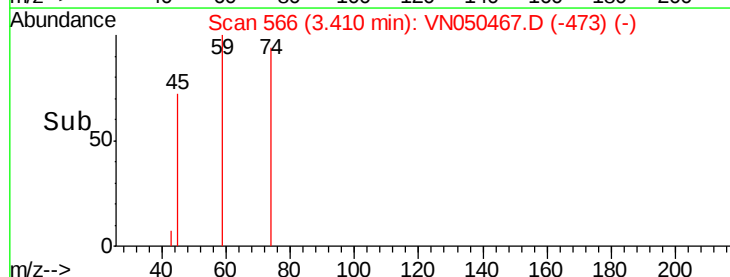
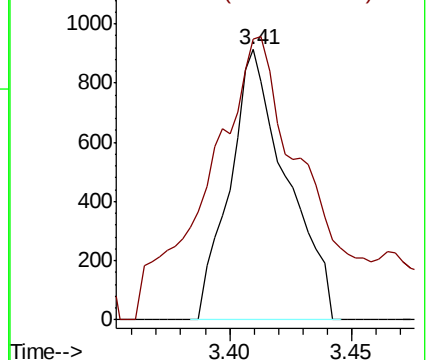
74 100

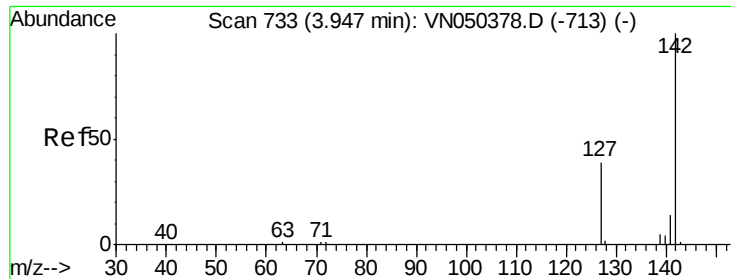
45 177.8 47.6 142.8#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

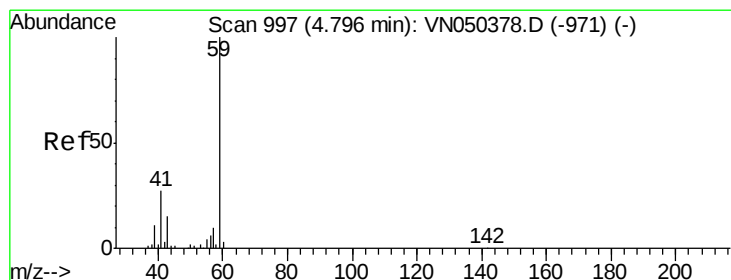
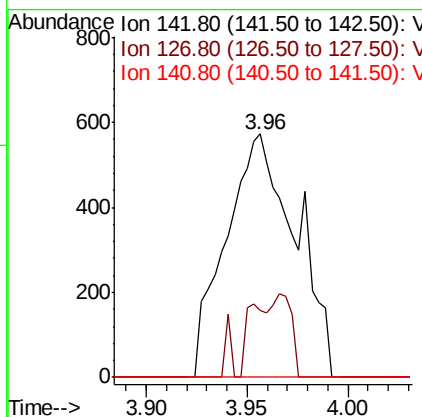
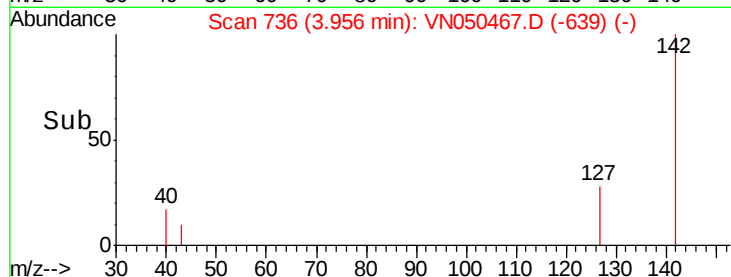
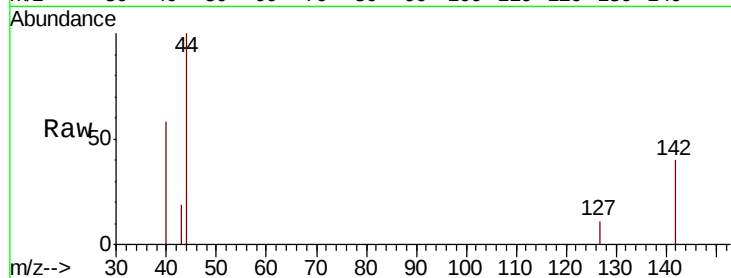




#10
Methvl Iodide
Concen: 0.34 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.01 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

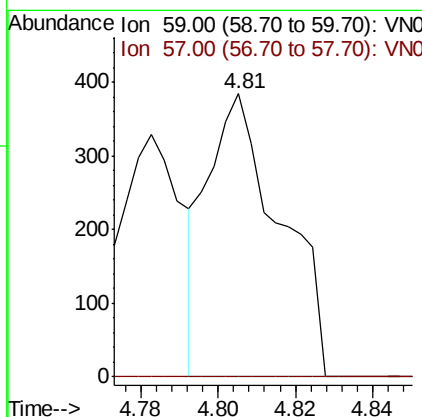
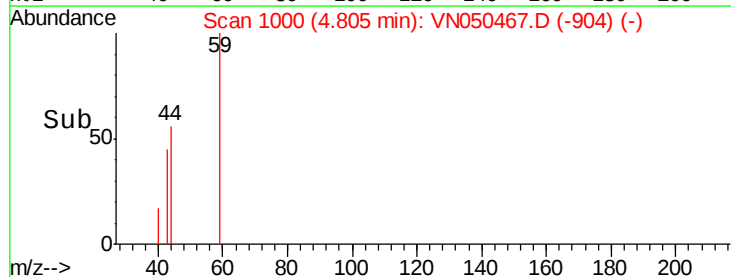
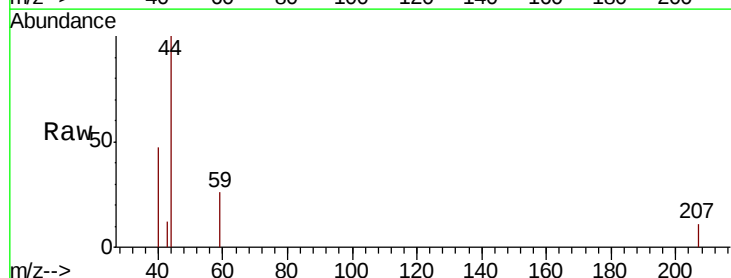
Instrument :
MSVOA_N
ClientSampleId :
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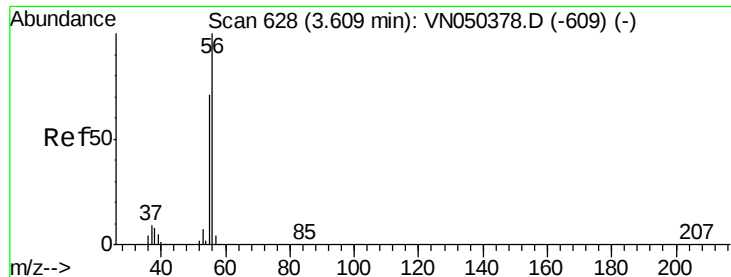
Tot Ion:142 Resp: 1371
Ion Ratio Lower Upper
142 100
127 9.1 33.4 50.2#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 15.16 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

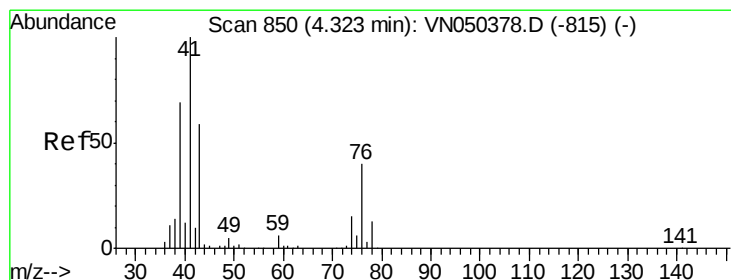
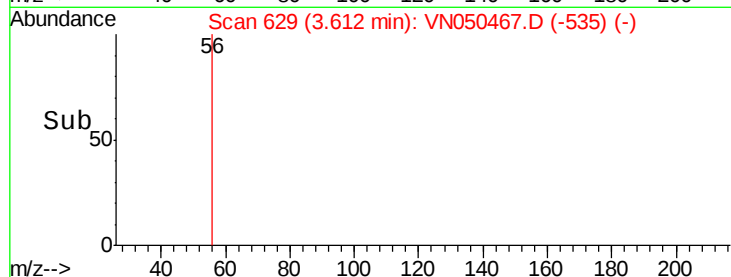
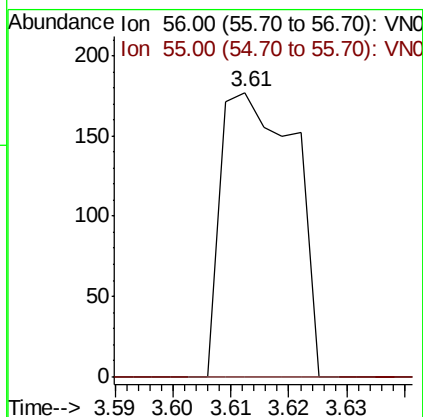
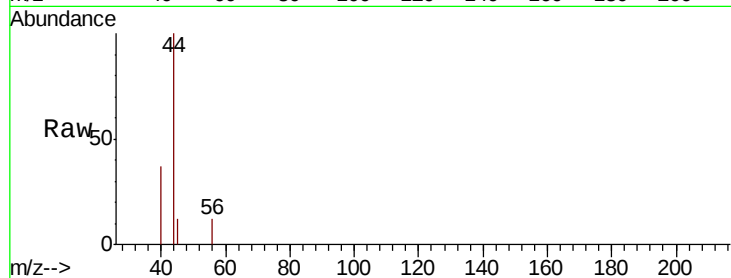
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Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



#14

Allyl chloride

Concen: 0.75 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

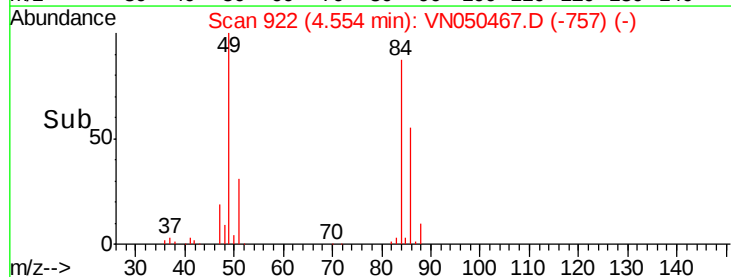
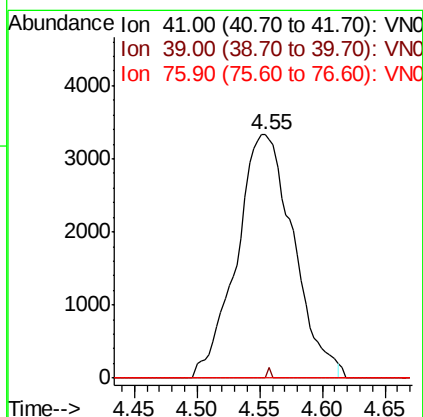
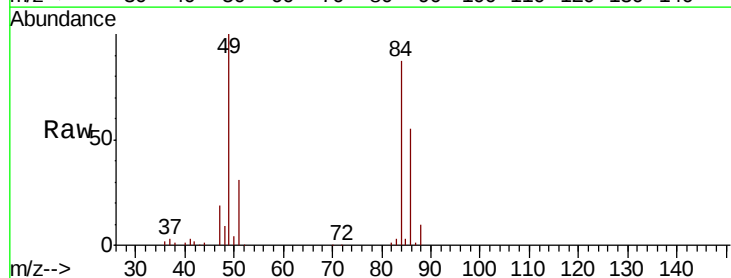
Tgt Ion: 41 Resp: 10485

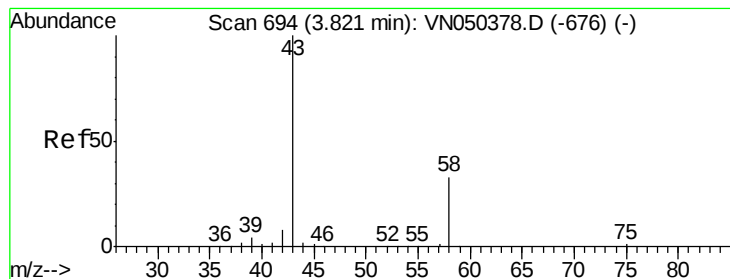
Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

76 0.0 29.0 43.6#





#16

Acetone

Concen: 8.46 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

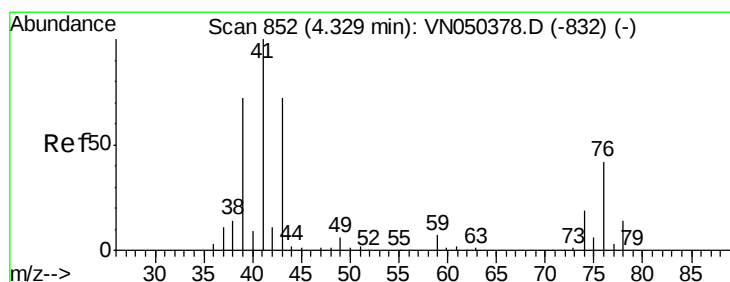
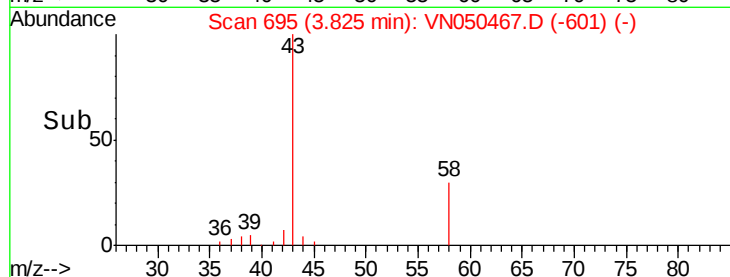
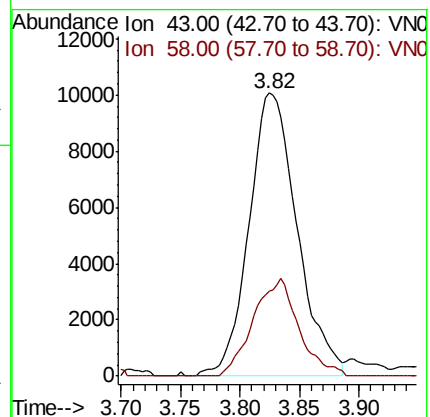
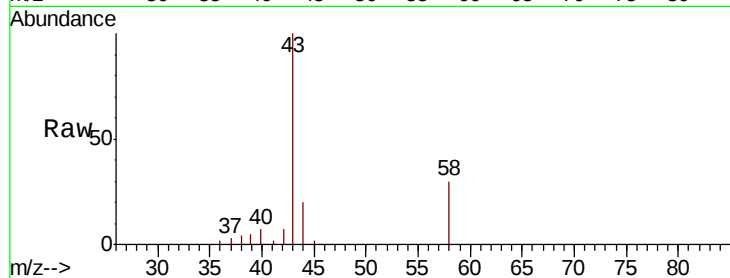
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Tot Ion: 43 Resp: 28211

Ion Ratio Lower Upper

43 100

58 29.9 25.8 38.8



#18

Methyl Acetate

Concen: 0.56 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050467.D

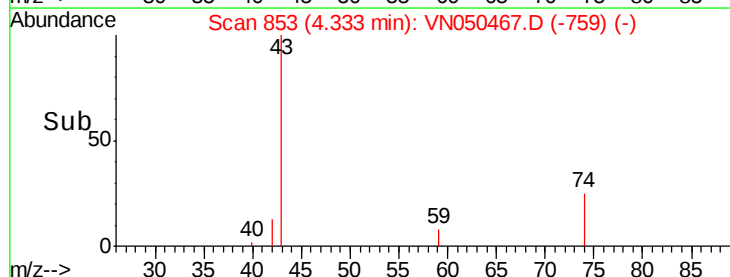
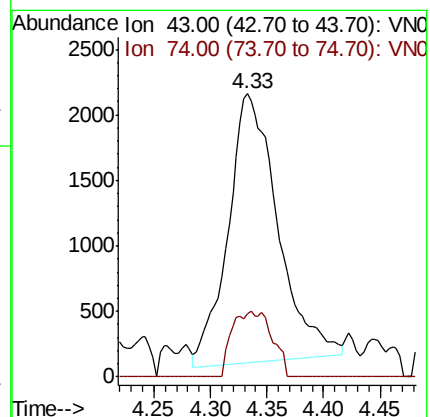
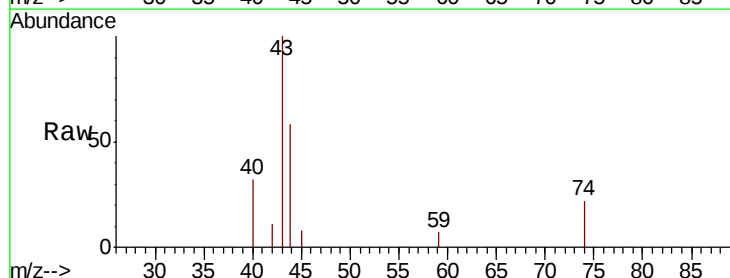
Acq: 8 Aug 2018 18:32

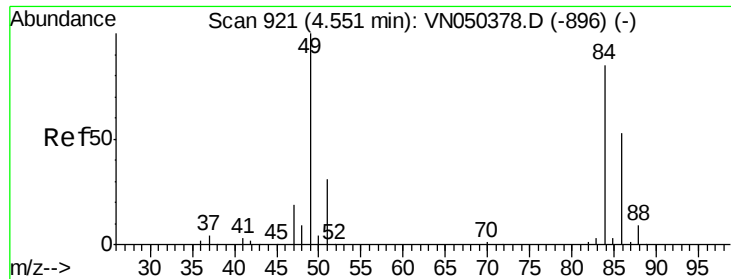
Tgt Ion: 43 Resp: 6263

Ion Ratio Lower Upper

43 100

74 19.7 19.2 28.8

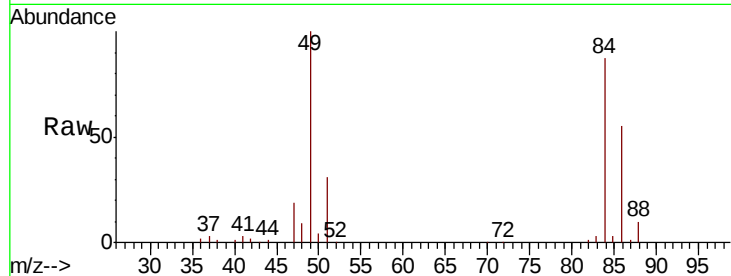




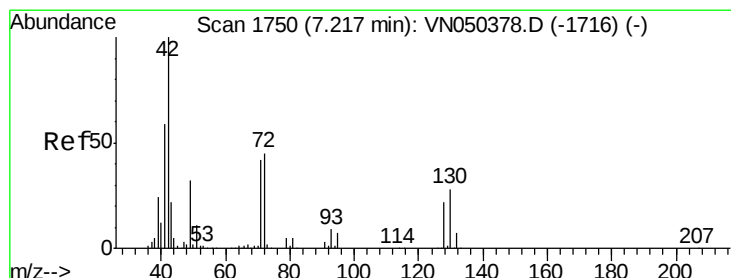
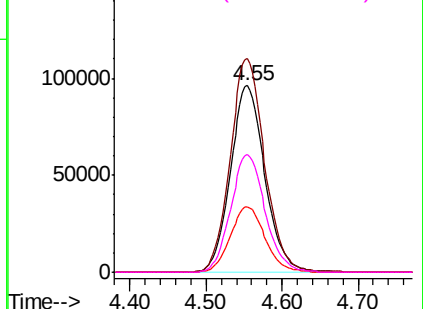
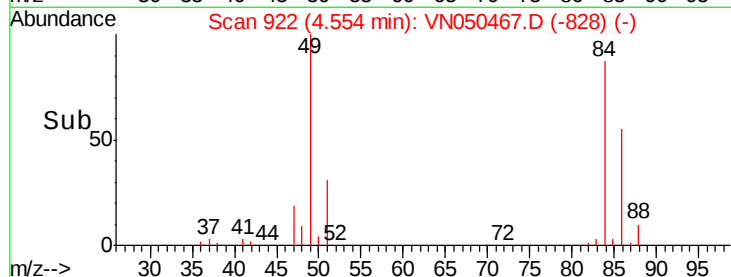
#20
Methvlene Chloride
Concen: 30.23 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tot Ion:	84	Resp:	302237
Ion	Ratio	Lower	Upper
84	100		
49	114.4	94.8	142.2
51	35.0	28.3	42.5
86	63.2	51.0	76.6

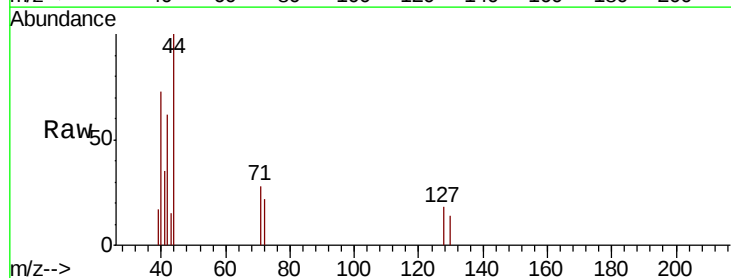


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

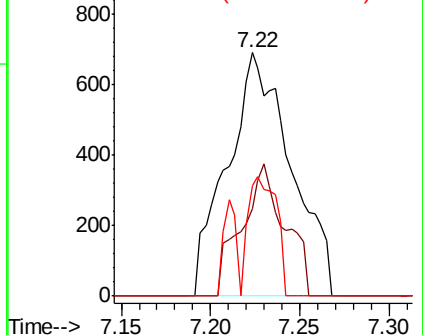
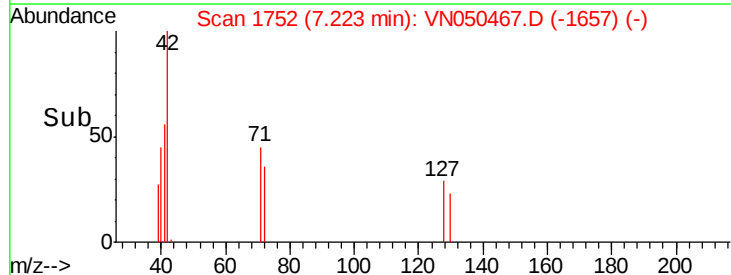


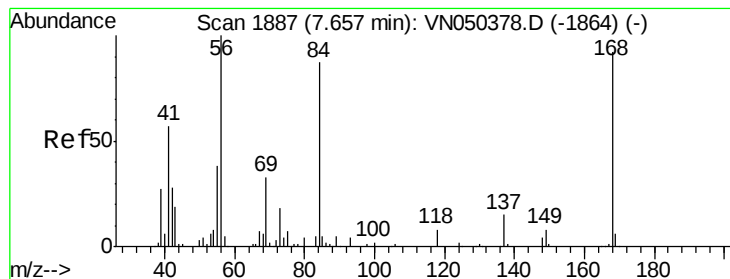
#29
Tetrahydrofuran
Concen: 0.60 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

Tgt Ion:	42	Resp:	1716
Ion	Ratio	Lower	Upper
42	100		
72	36.8	35.9	53.9
71	21.9	33.7	50.5#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 0.23 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

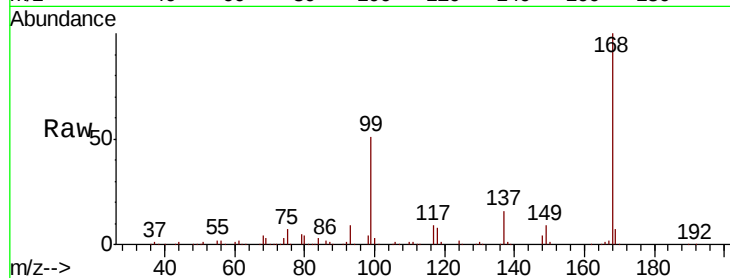
Tot Ion: 56 Resp: 13245

Ion Ratio Lower Upper

56 100

69 194.2 26.2 39.4#

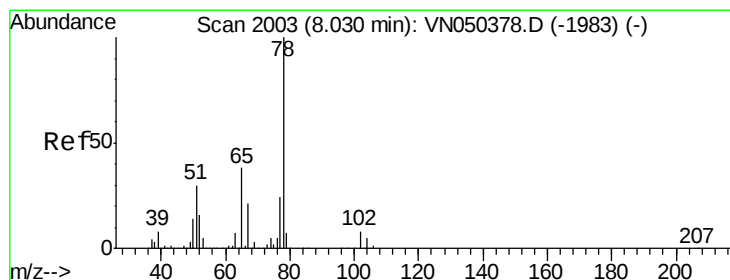
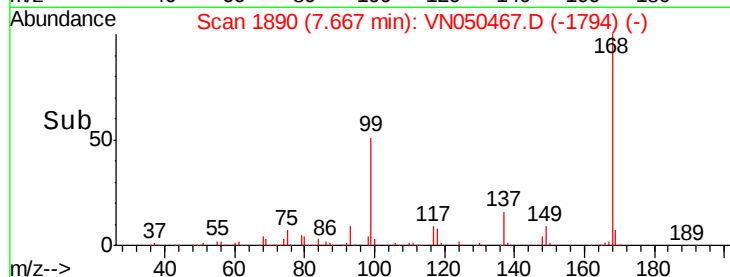
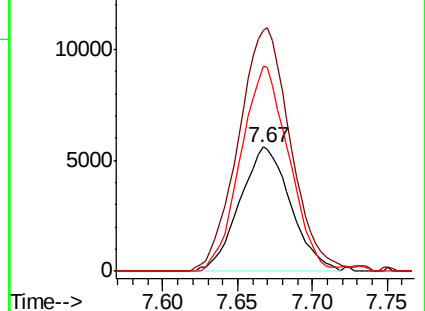
84 165.1 67.4 101.0#



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: 47.77 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050467.D

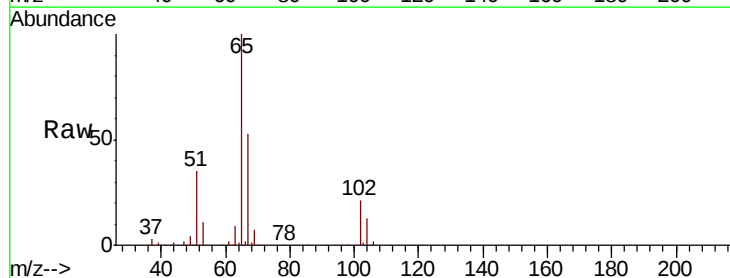
Acq: 8 Aug 2018 18:32

Tgt Ion: 65 Resp: 513312

Ion Ratio Lower Upper

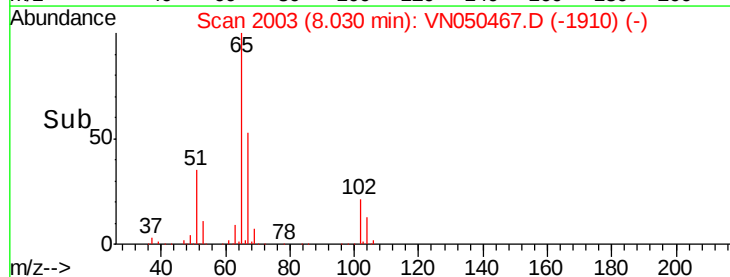
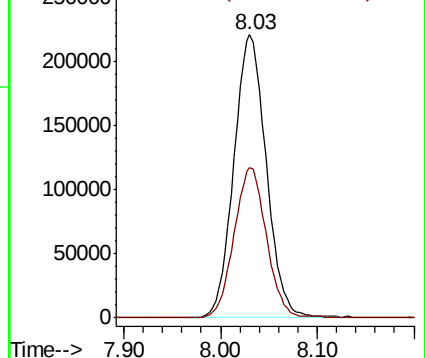
65 100

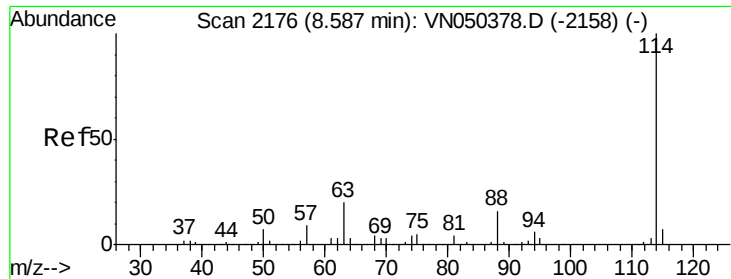
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

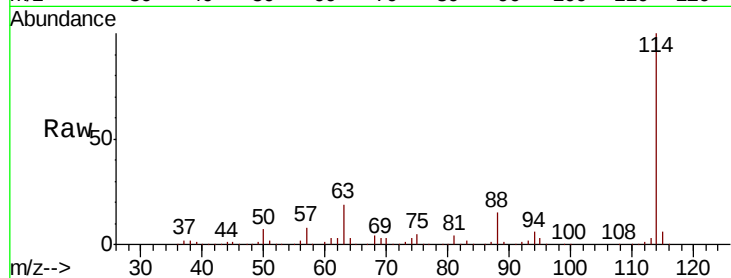




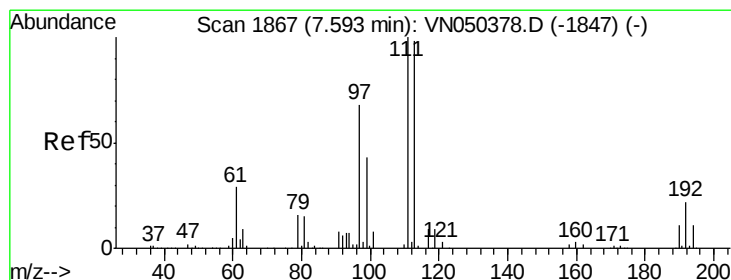
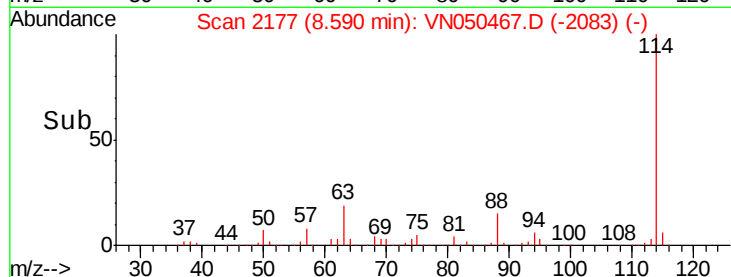
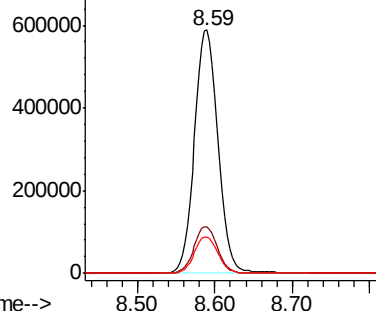
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Tot Ion:114 Resp: 1243550
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 14.9 0.0 31.2

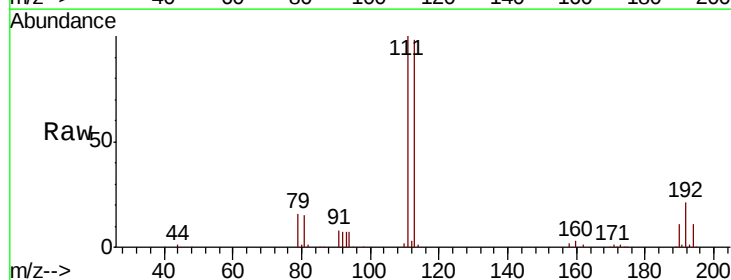


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

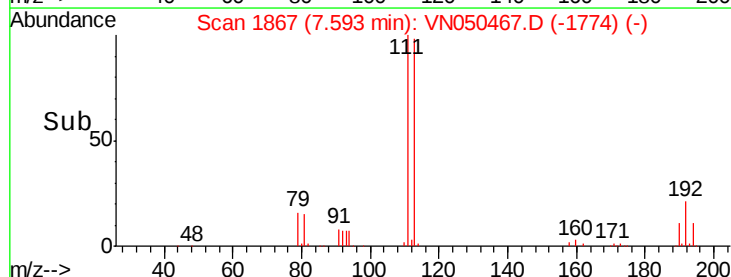
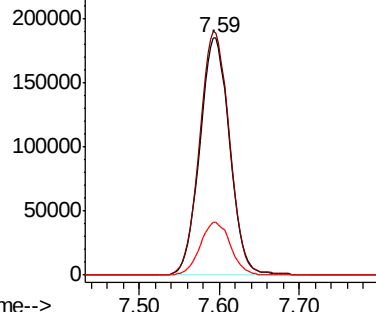


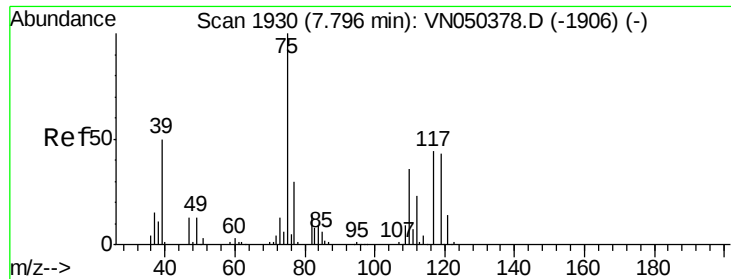
#35
 Dibromofluoromethane
 Concen: 47.04 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Tgt Ion:113 Resp: 469354
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.6 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

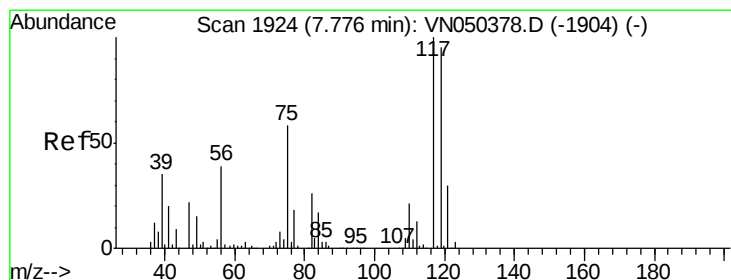
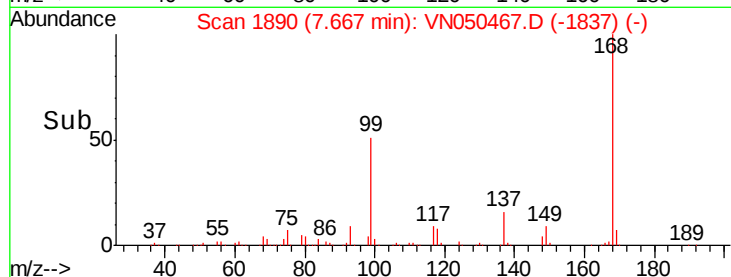
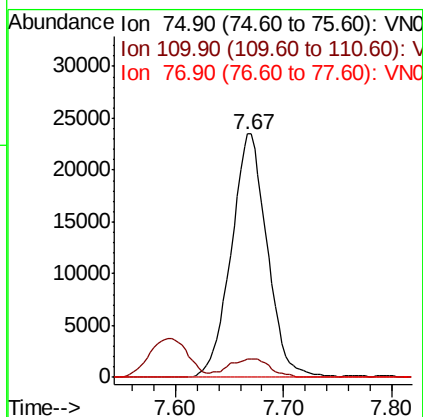
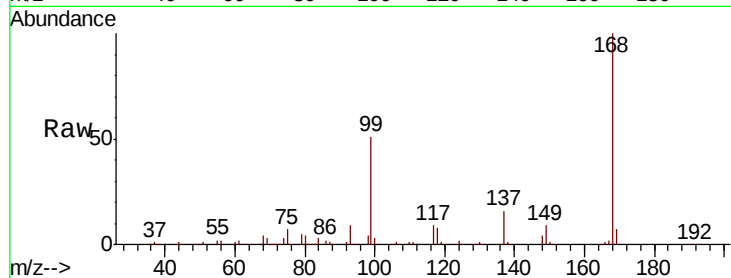




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

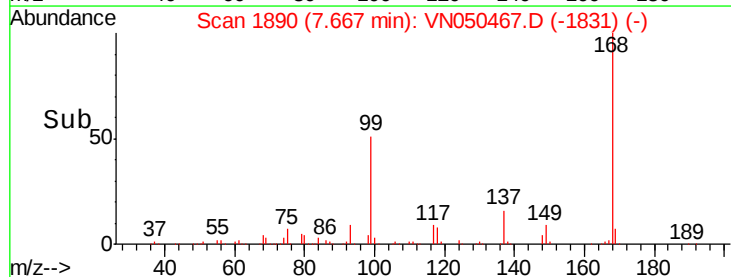
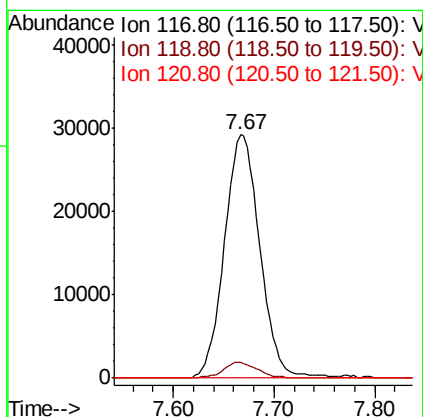
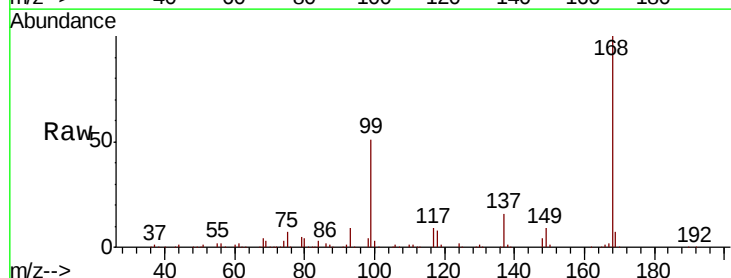
Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

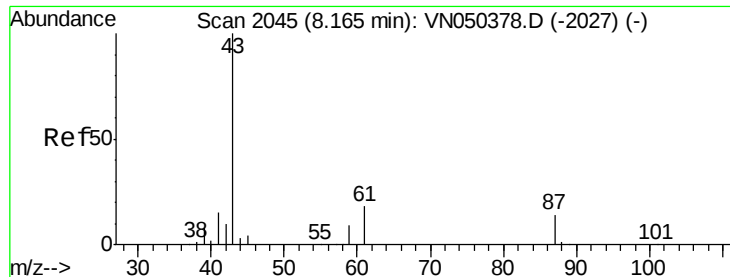
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 5.01 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 5.39 ug/l

RT: 8.28 min Scan# 2082

Delta R.T. 0.12 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

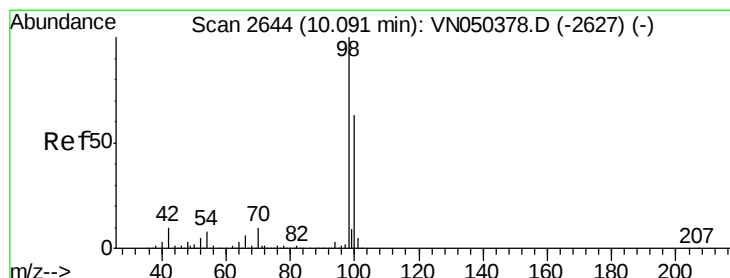
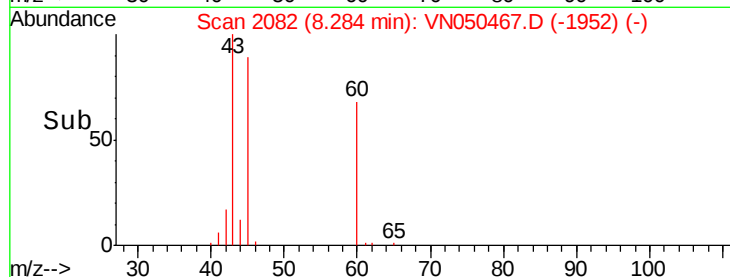
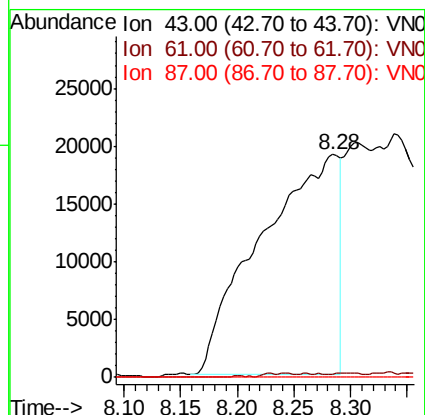
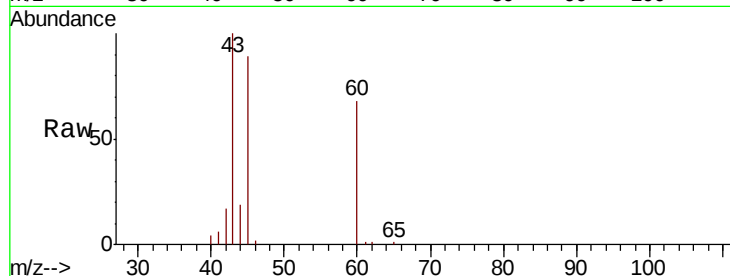
Tot Ion: 43 Resp: 91497

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.18 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050467.D

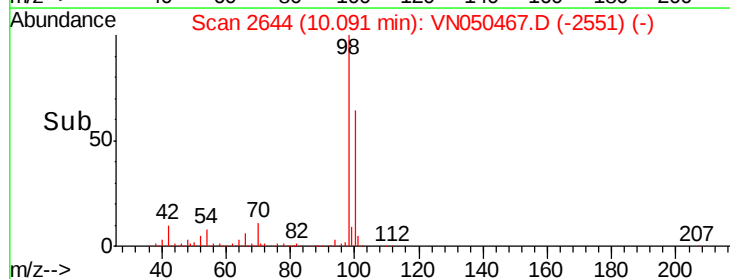
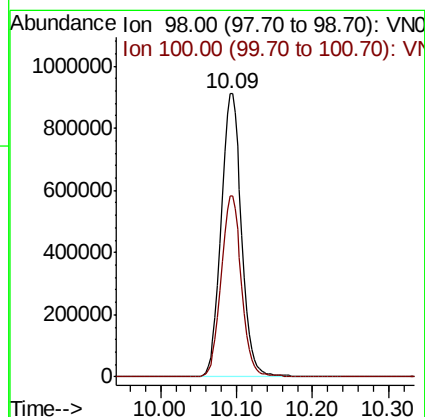
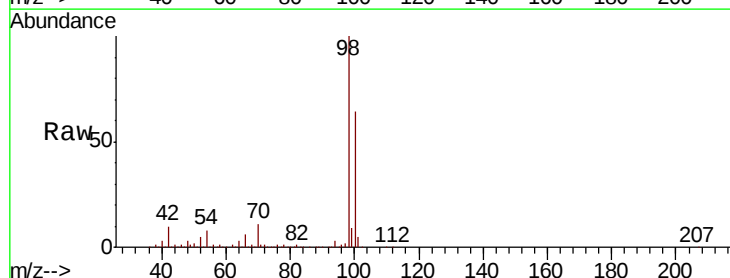
Acq: 8 Aug 2018 18:32

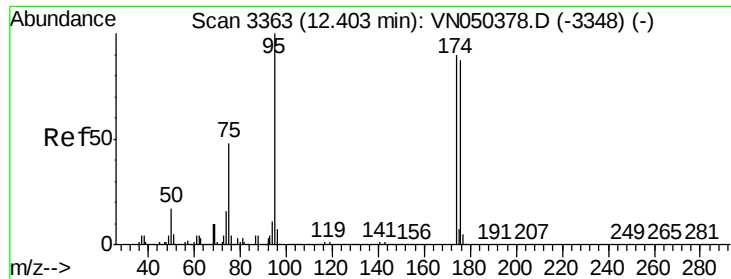
Tgt Ion: 98 Resp: 1694823

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 40.24 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

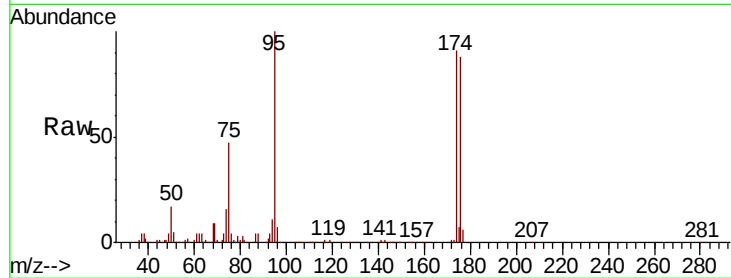
Tot Ion: 95 Resp: 514561

Ion Ratio Lower Upper

95 100

174 91.9 0.0 178.2

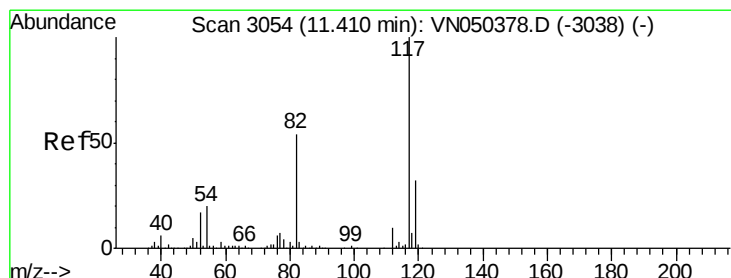
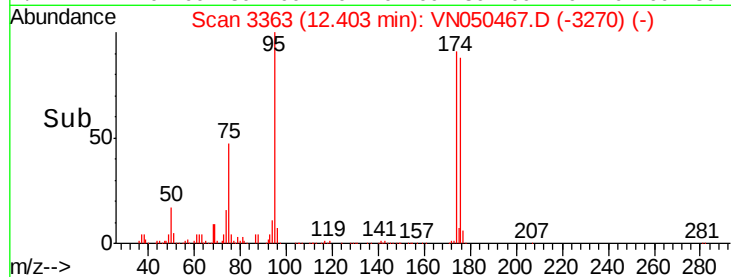
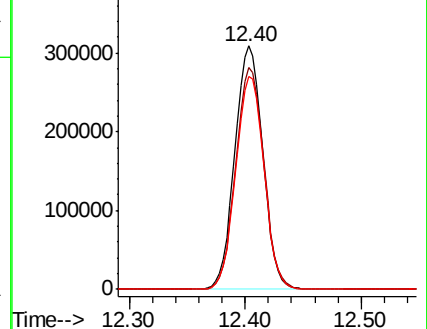
176 88.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

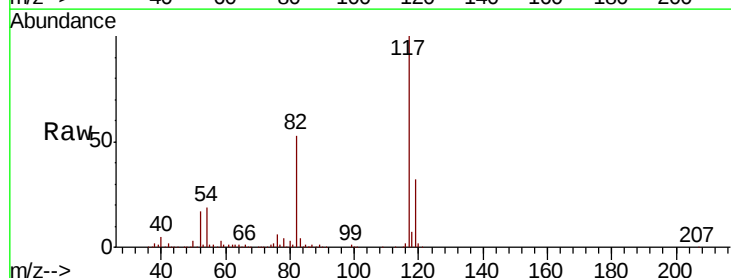
Tgt Ion: 117 Resp: 1075698

Ion Ratio Lower Upper

117 100

82 52.9 43.7 65.5

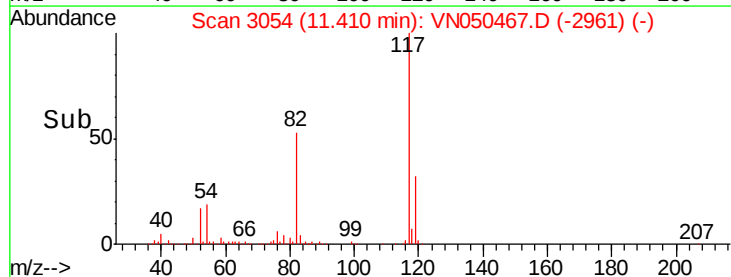
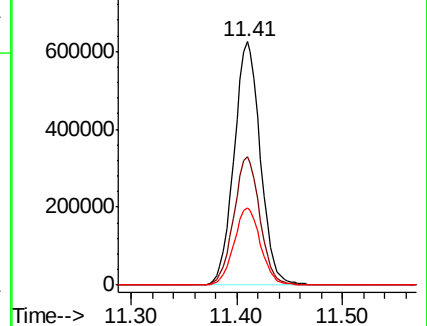
119 32.0 26.1 39.1

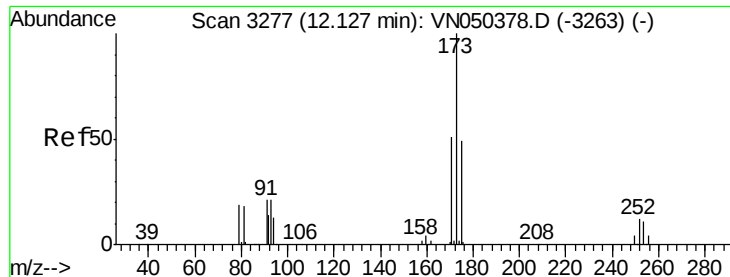


Abundance Ion 116.90 (116.60 to 117.60): VN050378.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050378.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050378.D (-3038) (-)

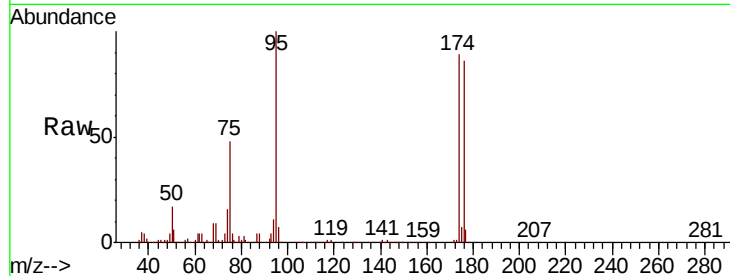




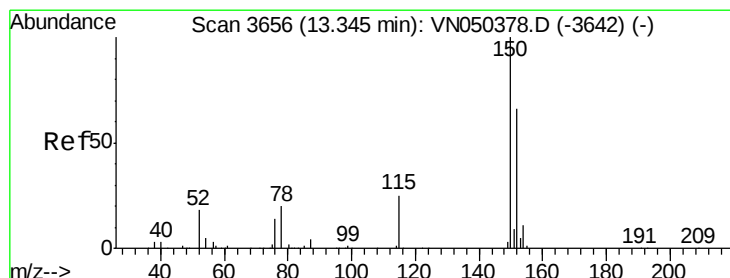
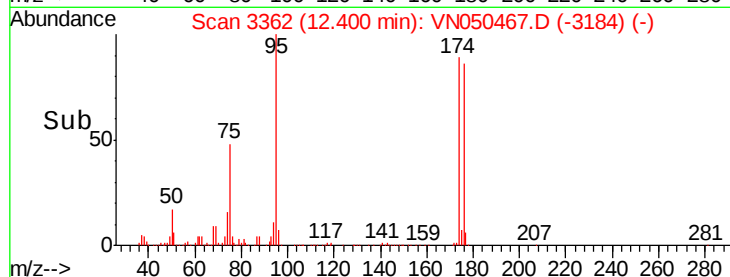
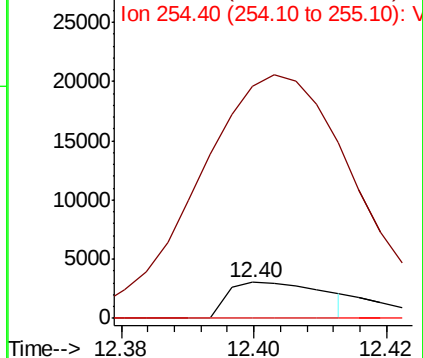
#71
Bromoform
Concen: 0.43 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

Tot Ion:173 Resp: 3066
Ion Ratio Lower Upper
173 100
175 941.2 24.1 72.2#
254 0.0 0.2 0.2#

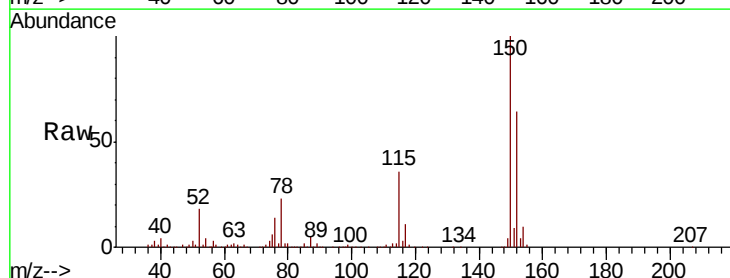


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

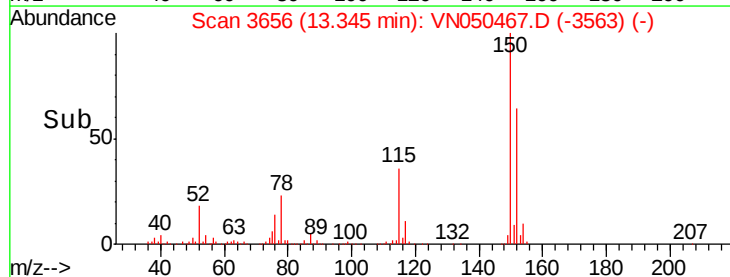
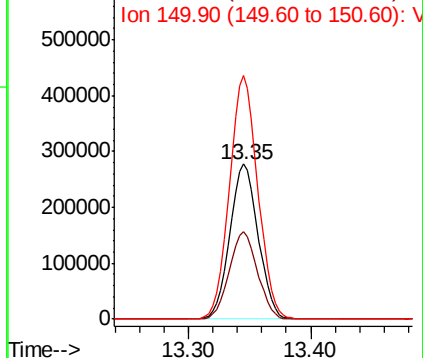


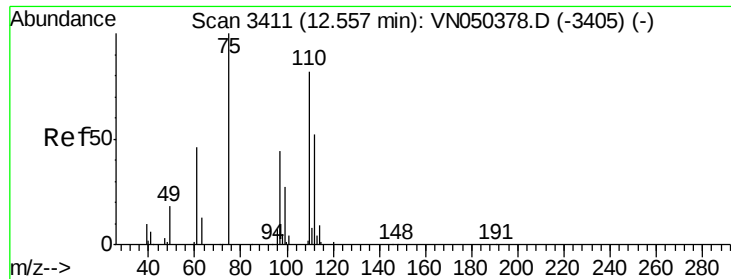
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050467.D
Acq: 8 Aug 2018 18:32

Tgt Ion:152 Resp: 447885
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 156.9 0.0 348.6



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: 29.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

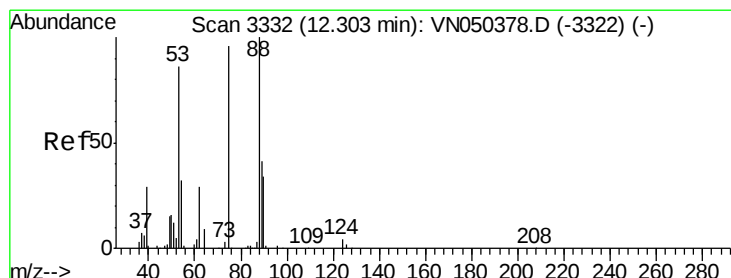
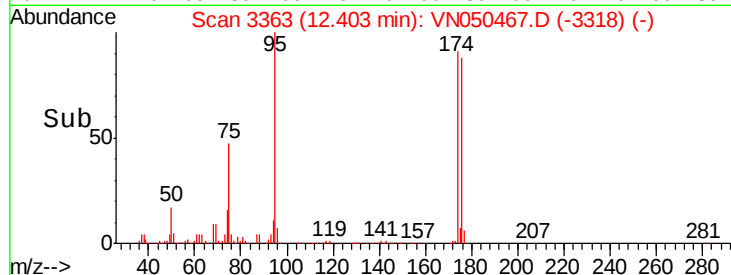
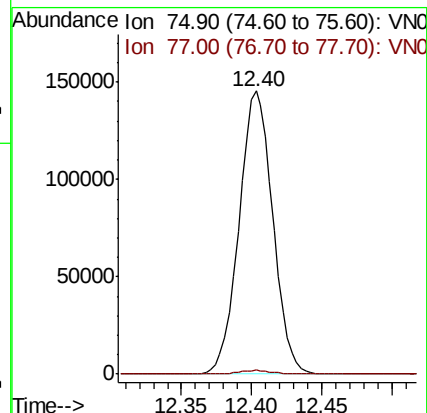
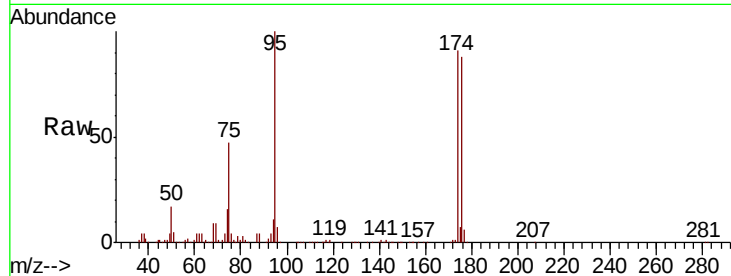
FIELD-BLANK

Tot Ion: 75 Resp: 243114

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050467.D

Acq: 8 Aug 2018 18:32

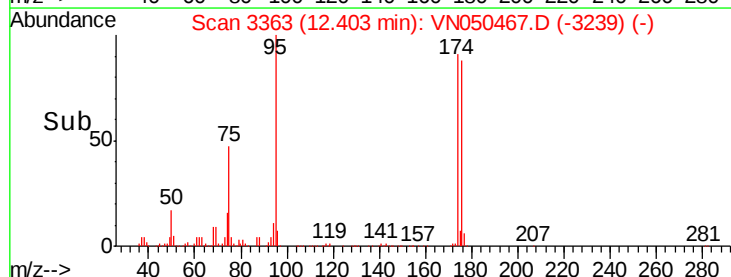
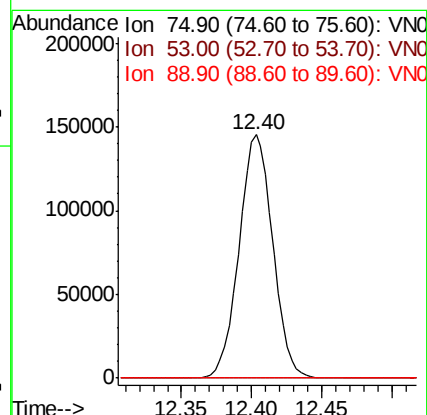
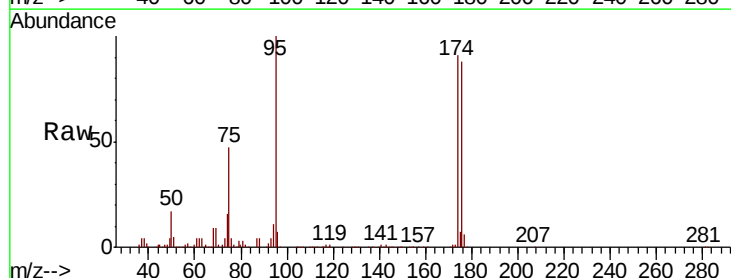
Tgt Ion: 75 Resp: 243114

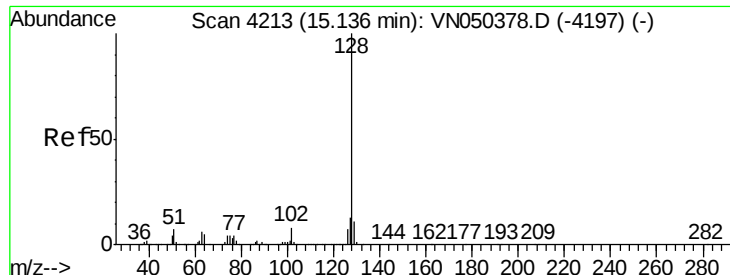
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#

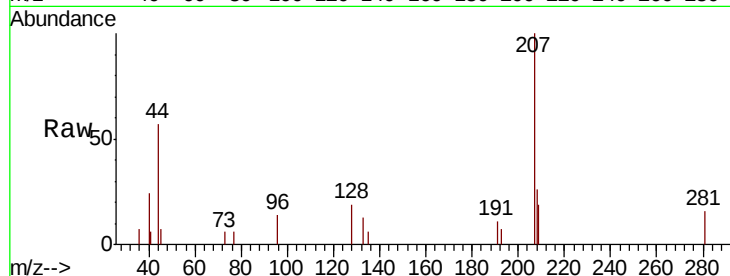




#95
 Naphthalene
 Concen: 3.64 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050467.D
 Acq: 8 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



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

