

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050720.D
 Acq On : 17 Aug 2018 10:26
 Operator : MD\SY
 Sample : J4506-01 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 15:25:57 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	119520	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	616065	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534768	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248563	30.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.00%
60) 4-Bromofluorobenzene	12.40	95	201650	24.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.80%
63) Toluene-d8	10.09	98	725883	28.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.73%

Target Compounds

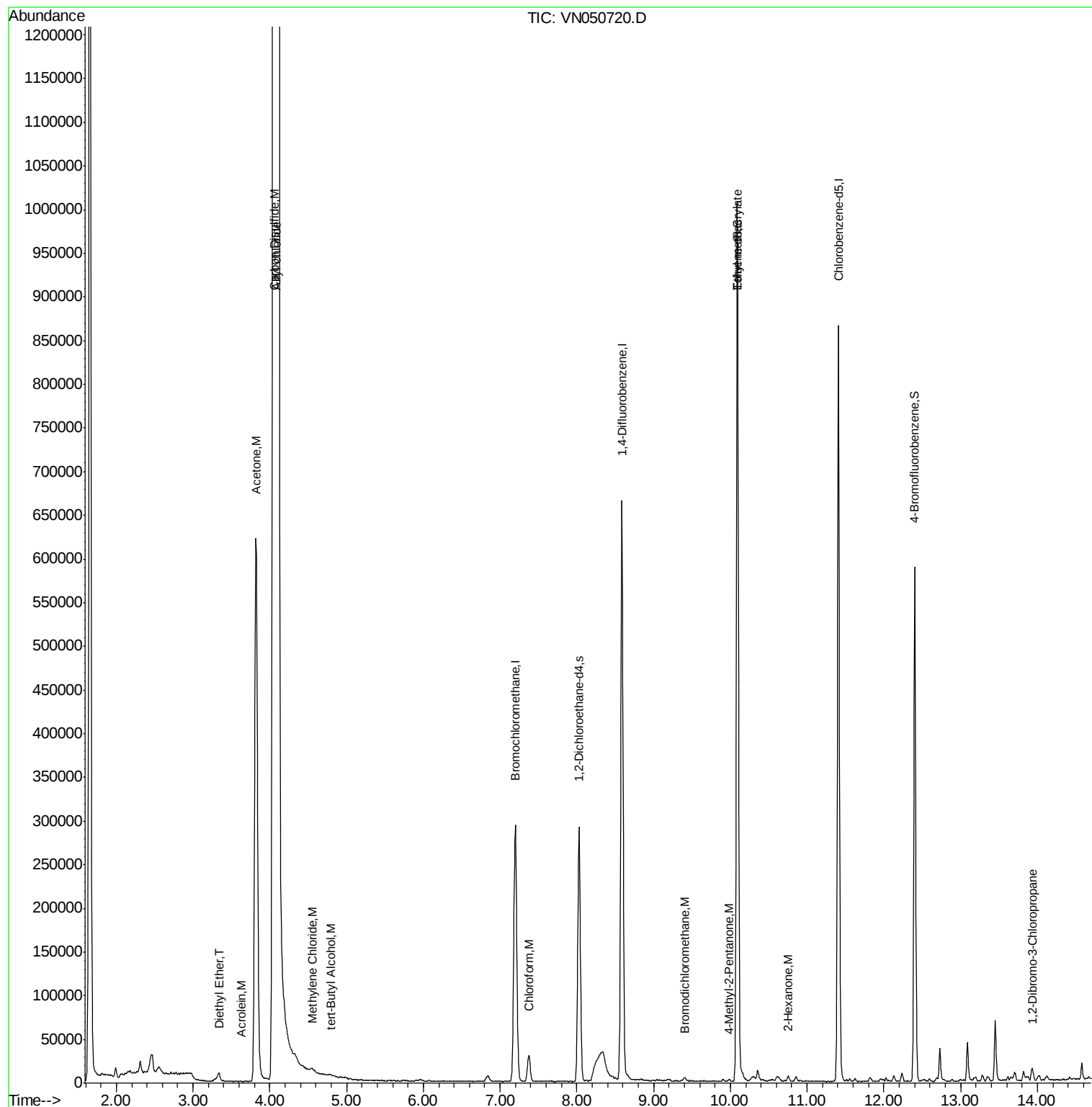
					Ovalue	
8) Diethyl Ether	3.34	74	2073	0.523	ug/l #	17
13) Acrolein	3.62	56	107	0.237	ug/l	83
15) Acetone	3.82	58	344685	532.464	ug/l	92
16) Carbon Disulfide	4.05	76	4822	0.247	ug/l #	94
17) Allyl chloride	4.09	41	3098063	307.848	ug/l #	72
18) Methylene Chloride	4.55	84	1901	0.259	ug/l	88
23) tert-Butyl Alcohol	4.80	59	262	0.481	ug/l #	100
25) Chloroform	7.38	83	32604	2.482	ug/l	96
41) Bromodichloromethane	9.40	83	2759	0.277	ug/l #	95
51) Ethyl methacrylate	10.10	69	2545	0.309	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	1943	0.312	ug/l #	82
59) 2-Hexanone	10.75	43	4112	0.969	ug/l #	87
88) 1,2-Dibromo-3-Chloropropan	13.93	75	1908	1.467	ug/l #	1

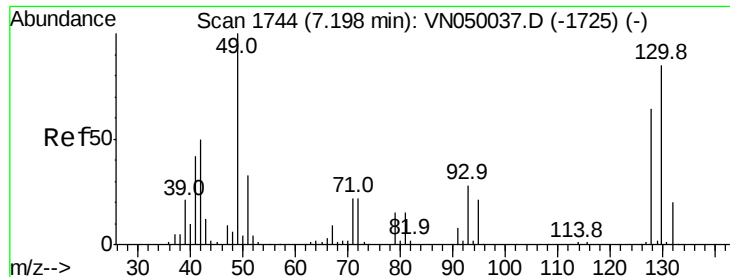
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Aug 17 15:25:57 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

Instrument :
MSVOA_N
ClientSampled :

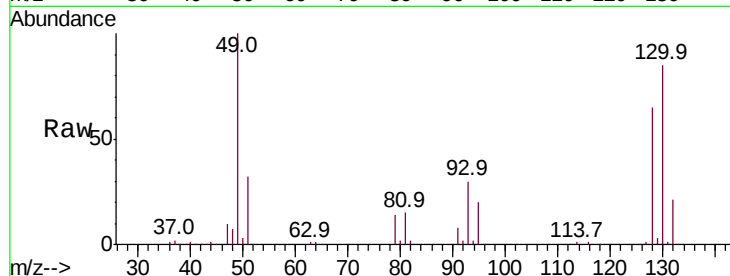
Tot Ion:128 Resp: 119520

Ion Ratio Lower Upper

128 100

49 153.9 0.0 378.3

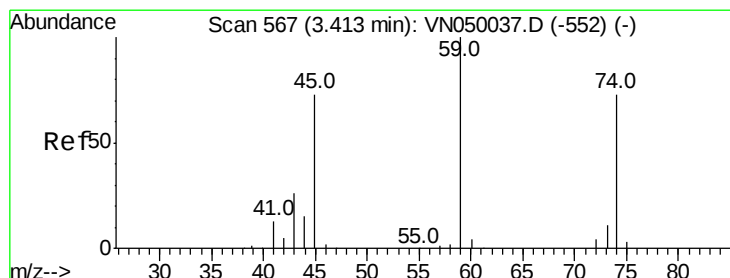
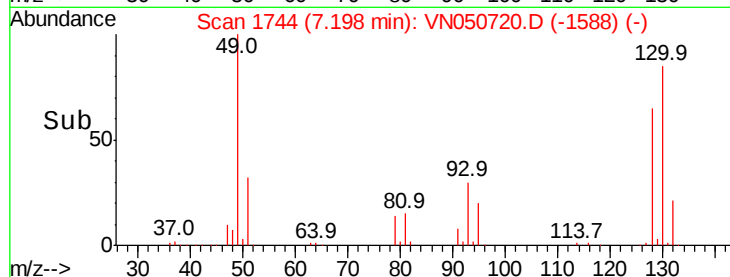
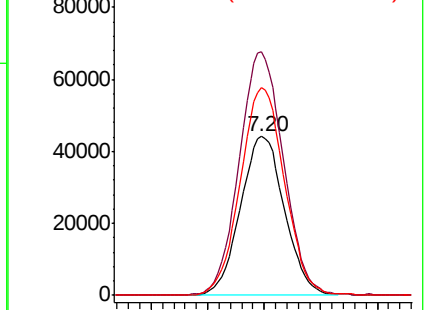
130 131.0 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#8

Diethyl Ether

Concen: 0.523 ug/l

RT: 3.34 min Scan# 543

Delta R.T. -0.08 min

Lab File: VN050720.D

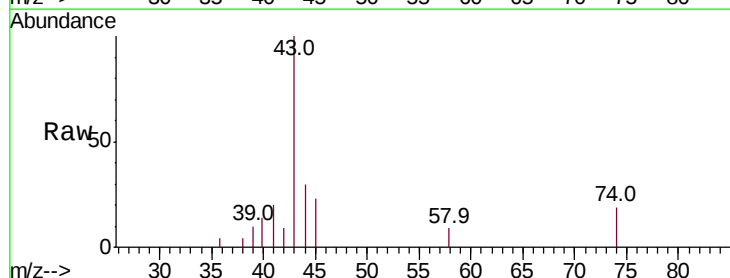
Acq: 17 Aug 2018 10:26

Tgt Ion: 74 Resp: 2073

Ion Ratio Lower Upper

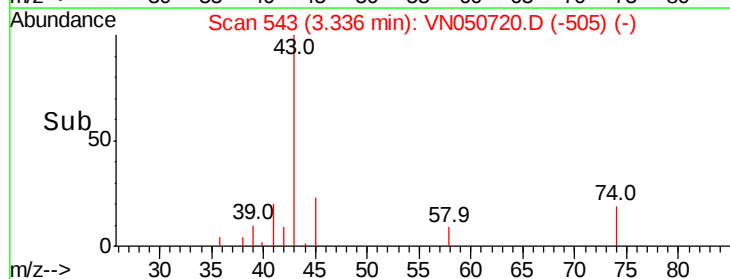
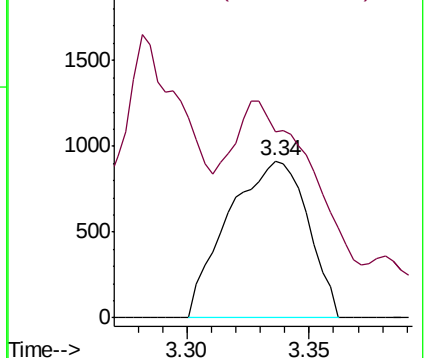
74 100

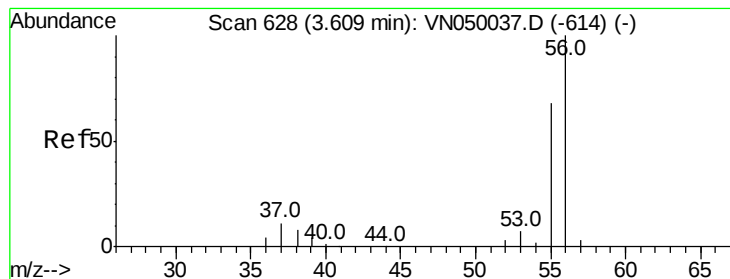
45 13.3 18.7 167.9#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#13

Acrolein

Concen: 0.237 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

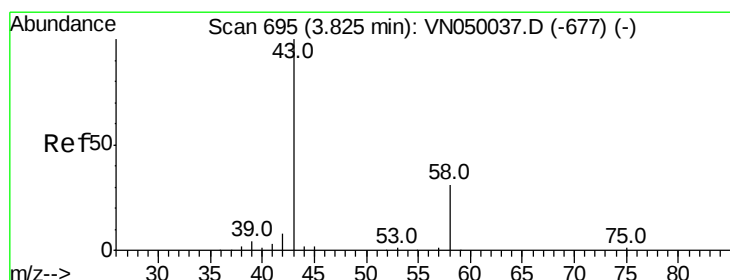
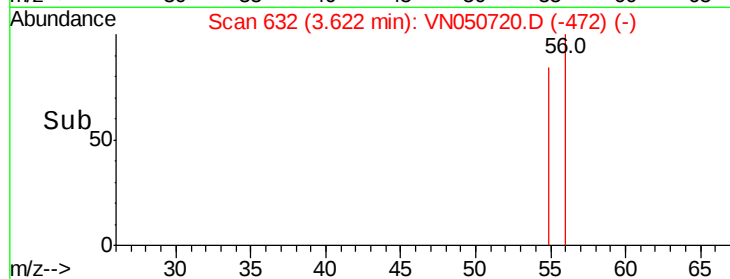
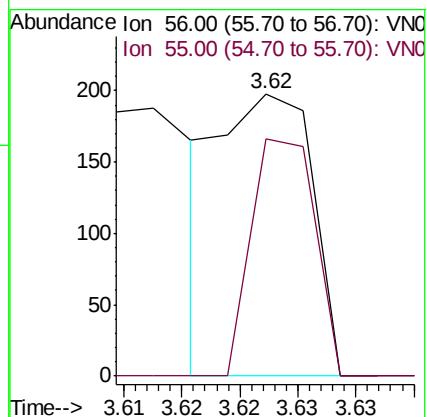
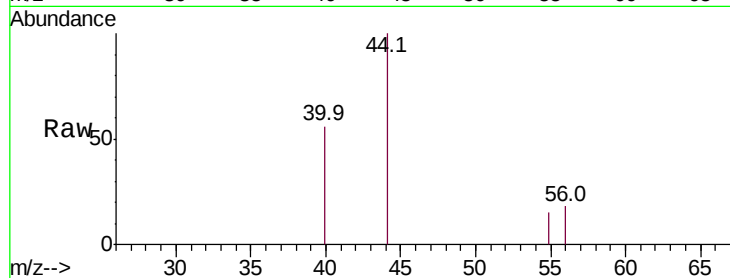
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 58.9 58.6 88.0



#15

Acetone

Concen: 532.464 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050720.D

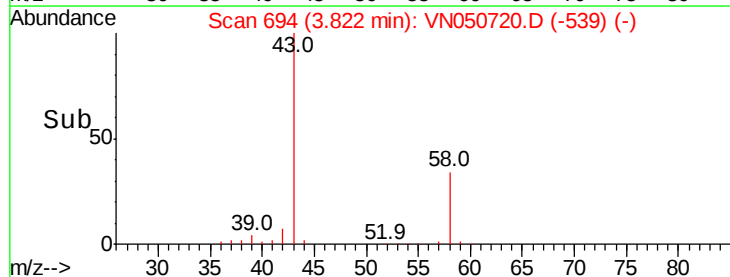
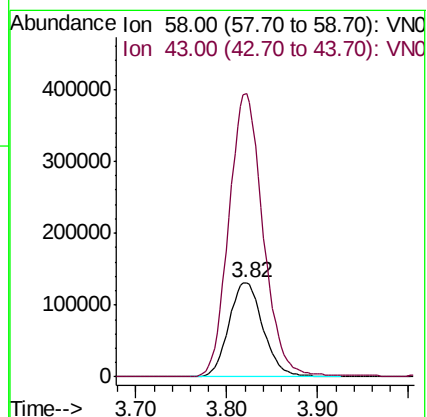
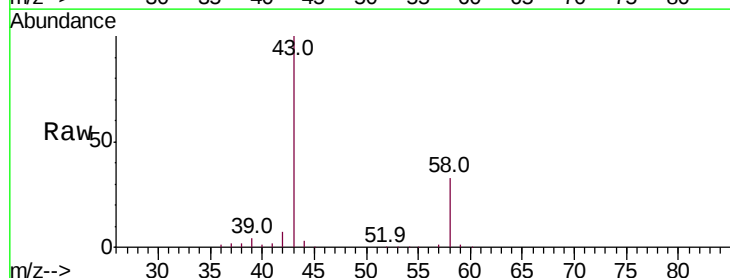
Acq: 17 Aug 2018 10:26

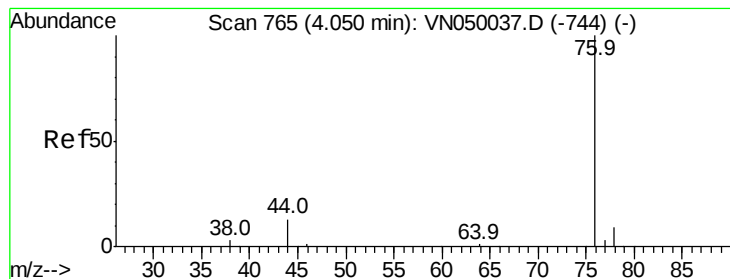
Tgt Ion: 58 Resp: 344685

Ion Ratio Lower Upper

58 100

43 299.3 252.0 378.0





#16

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_N

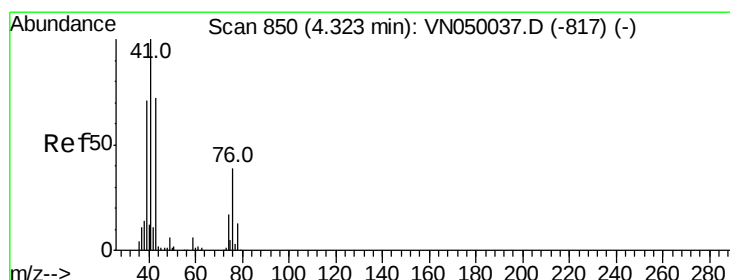
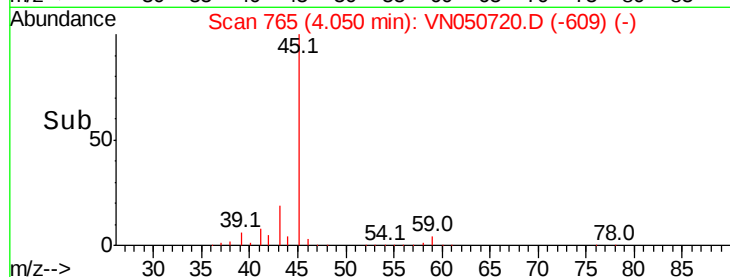
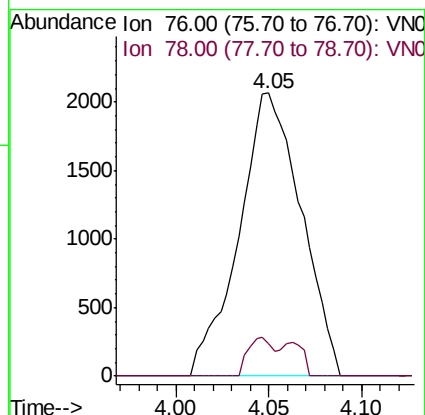
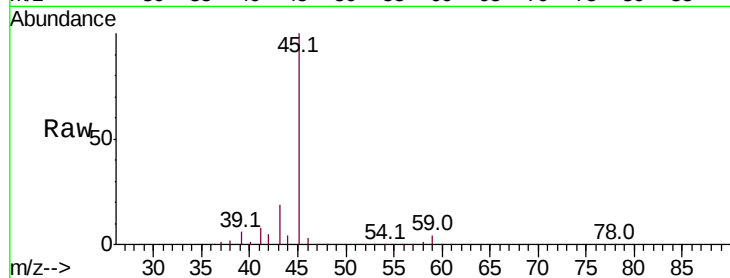
ClientSampleId :

Tot Ion: 76 Resp: 4822

Ion Ratio Lower Upper

76 100

78 11.3 7.3 10.9#



#17

Allyl chloride

Concen: 307.848 ug/l

RT: 4.09 min Scan# 776

Delta R.T. -0.24 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

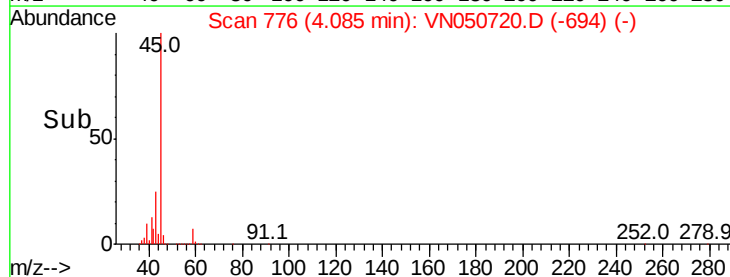
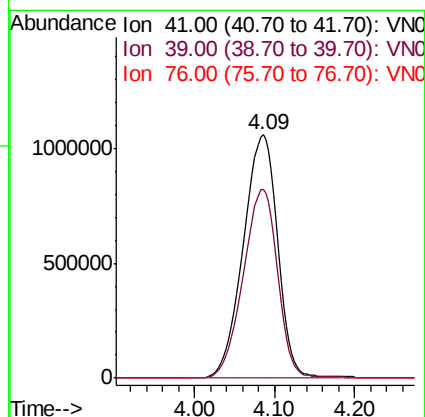
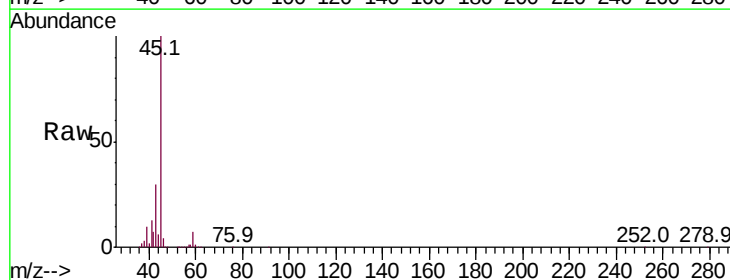
Tgt Ion: 41 Resp: 3098063

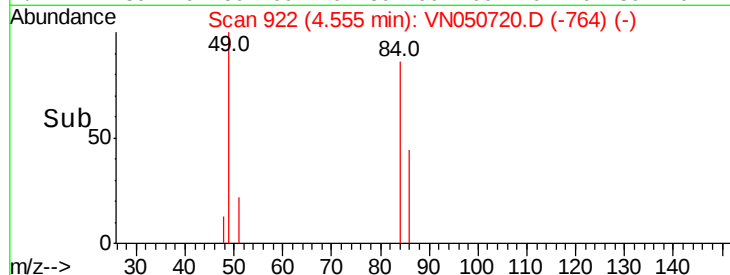
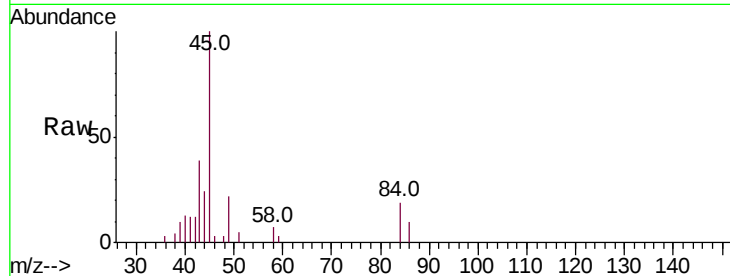
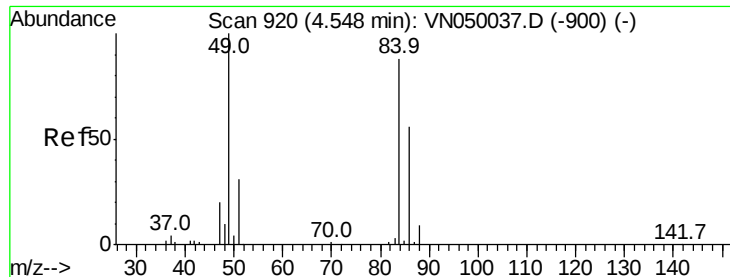
Ion Ratio Lower Upper

41 100

39 77.7 35.4 106.3

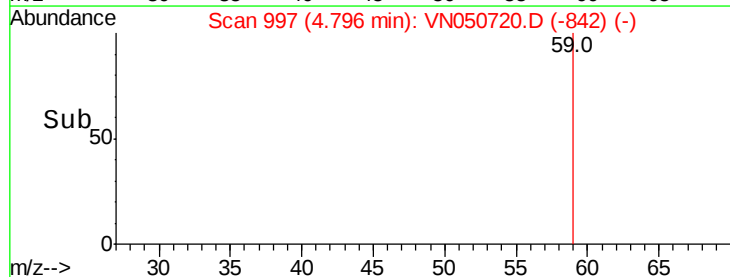
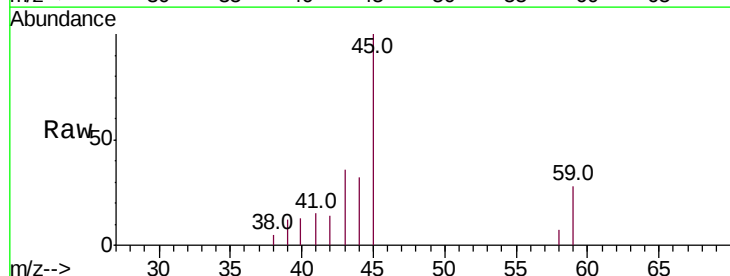
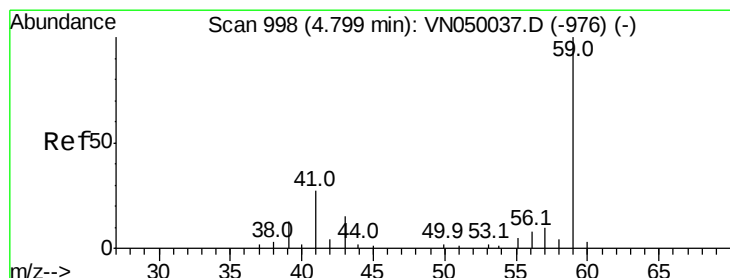
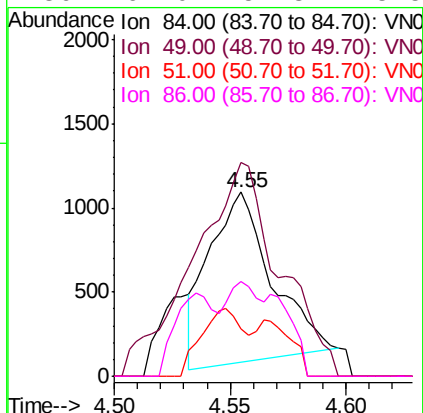
76 0.0 19.7 59.1#





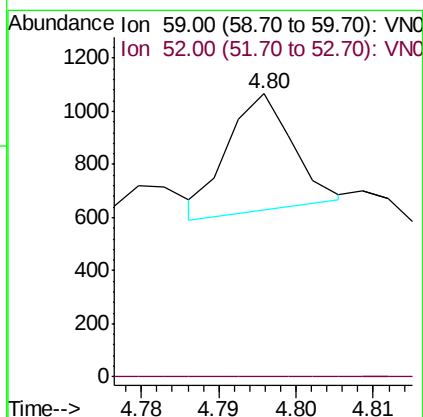
#18
Methylene Chloride
Concen: 0.259 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

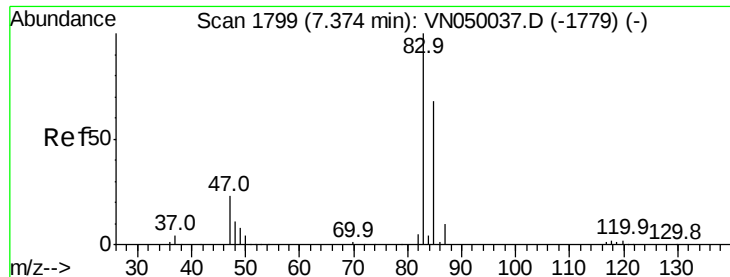
Tot Ion: 84 Resp: 1901
Ion Ratio Lower Upper
84 100
49 137.3 95.1 142.7
51 30.6 28.8 43.2
86 61.0 52.3 78.5



#23
tert-Butyl Alcohol
Concen: 0.481 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

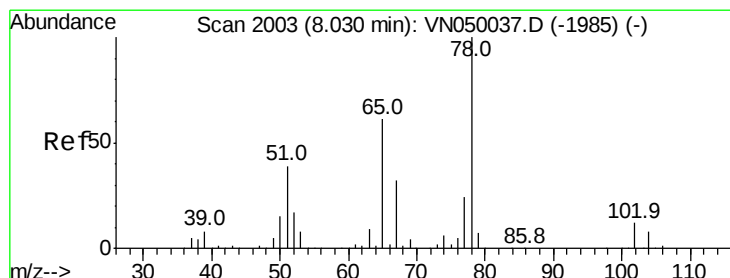
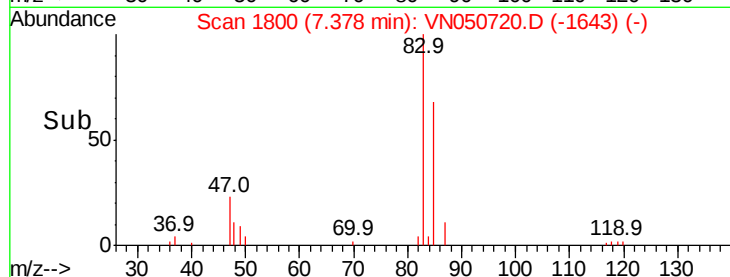
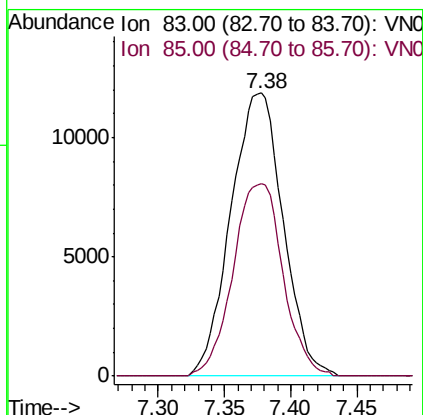
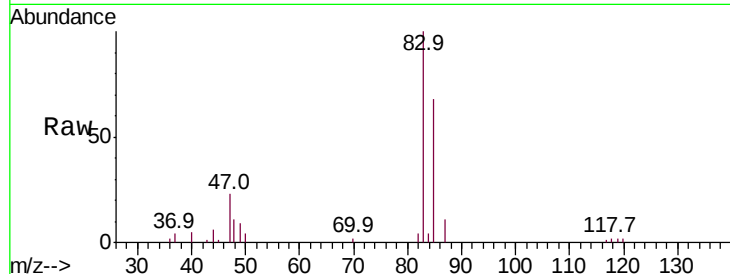




#25
Chloroform
Concen: 2.482 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

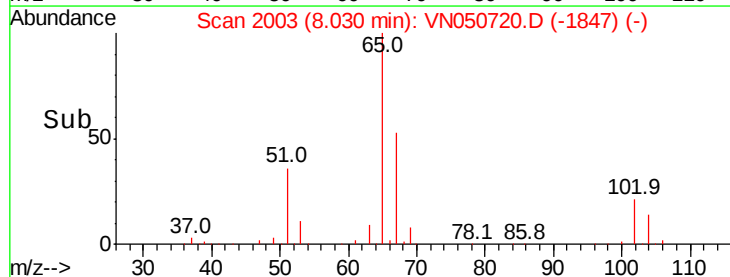
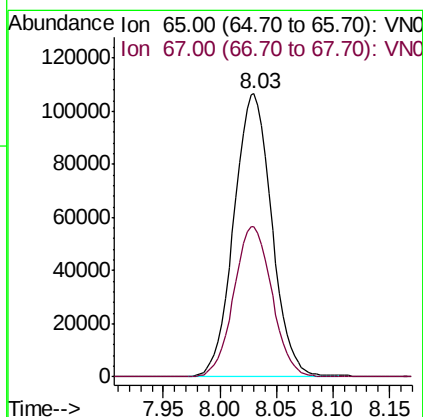
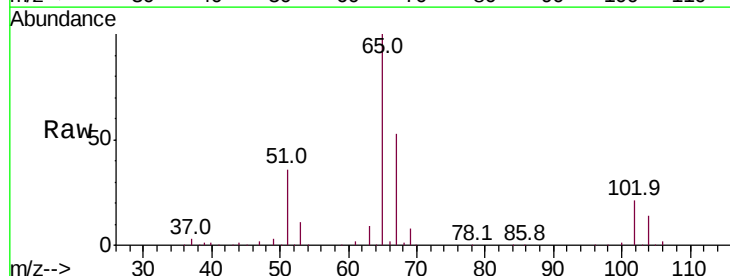
Instrument :
MSVOA_N
ClientSampleId :

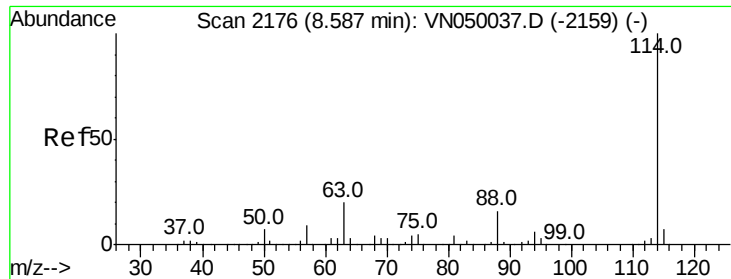
Tot Ion: 83 Resp: 32604
Ion Ratio Lower Upper
83 100
85 68.0 52.1 78.1



#27
1,2-Dichloroethane-d4
Concen: 30.596 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 65 Resp: 248563
Ion Ratio Lower Upper
65 100
67 53.4 42.7 64.1

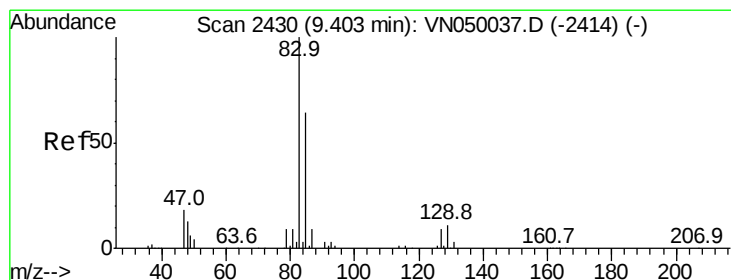
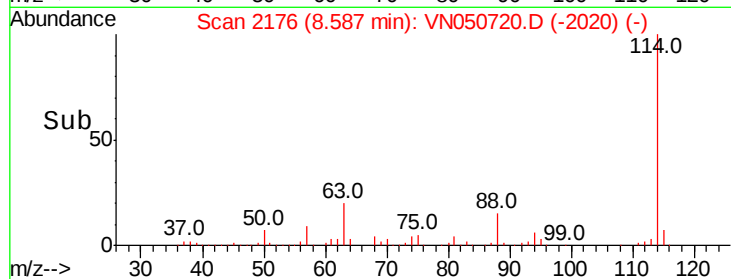
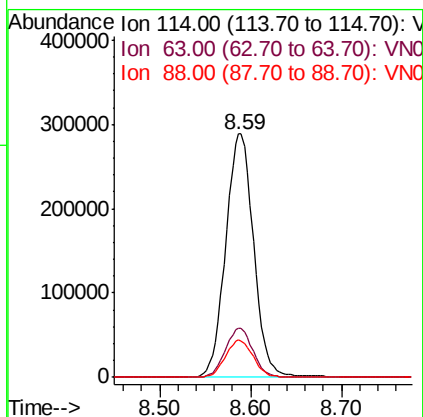
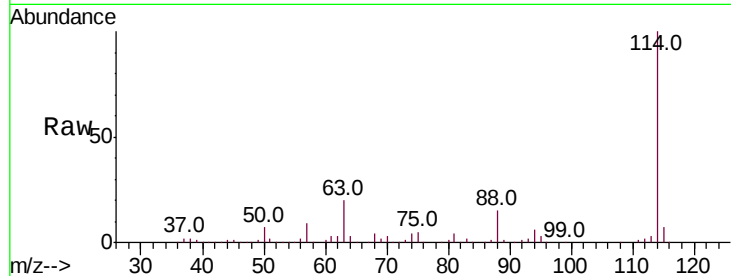




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050720.D
 Acq: 17 Aug 2018 10:26

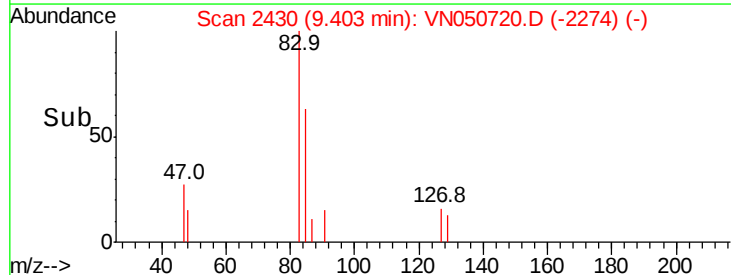
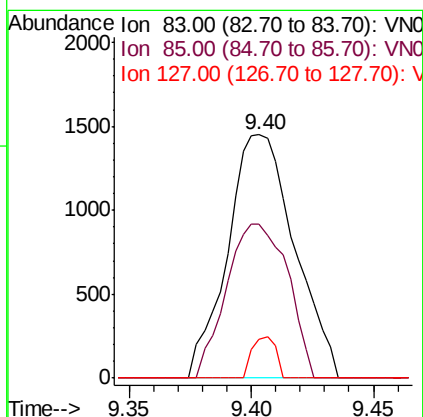
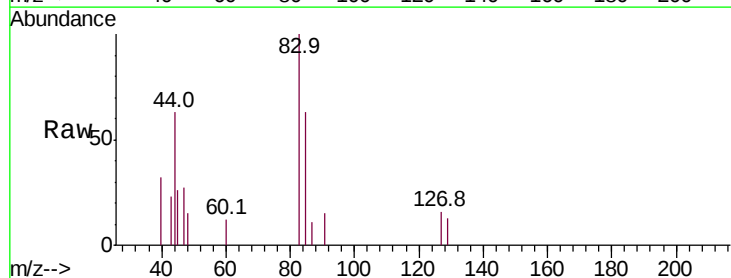
Instrument :
 MSVOA_N
 ClientSampleId :

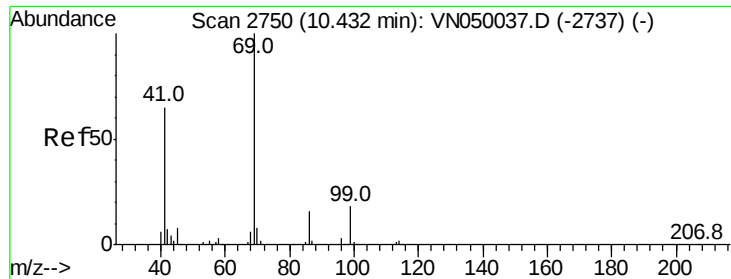
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.2	24.2
88	15.3	12.3	18.5



#41
 Bromodichloromethane
 Concen: 0.277 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050720.D
 Acq: 17 Aug 2018 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8
127	15.7	7.0	10.4





#51

Ethyl methacrylate

Concen: 0.309 ug/l

RT: 10.10 min Scan# 2647

Delta R.T. -0.33 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

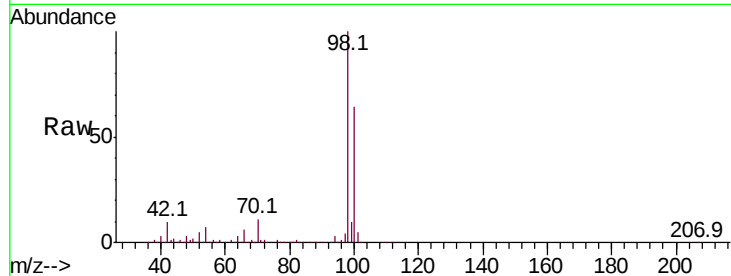
Tot Ion: 69 Resp: 2545

Ion Ratio Lower Upper

69 100

41 66.5 31.9 95.9

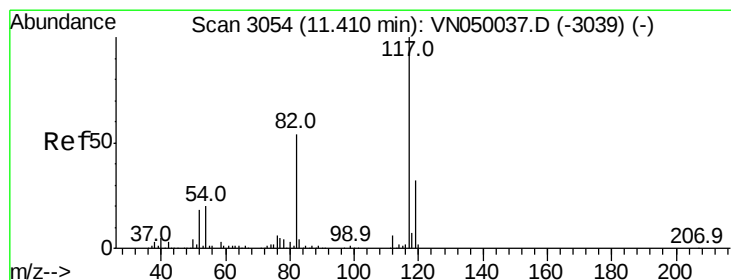
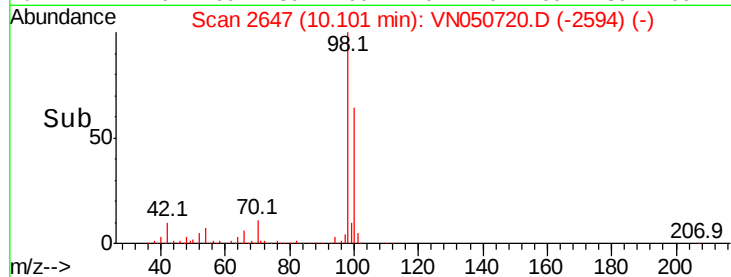
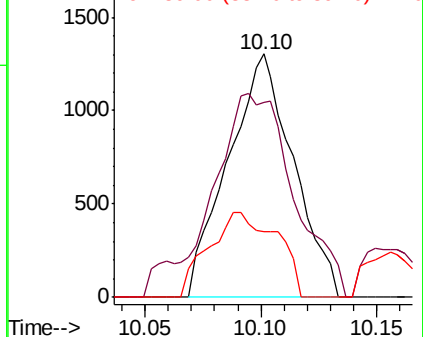
39 26.8 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN050037.D (-2737) (-)

Ion 41.00 (40.70 to 41.70): VN050037.D (-2737) (-)

Ion 39.00 (38.70 to 39.70): VN050037.D (-2737) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

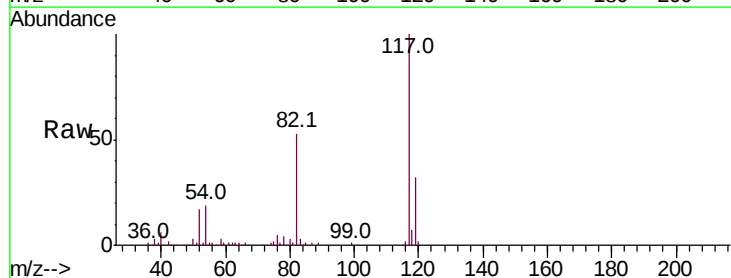
Tgt Ion: 117 Resp: 534768

Ion Ratio Lower Upper

117 100

82 53.1 42.4 63.6

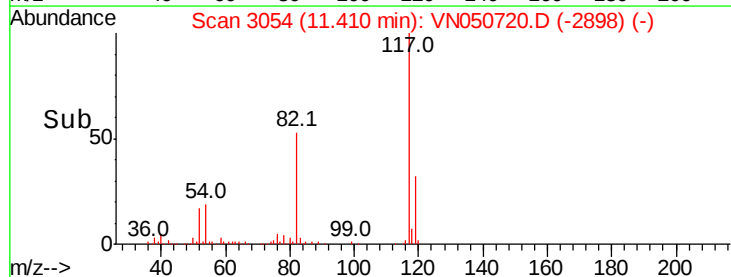
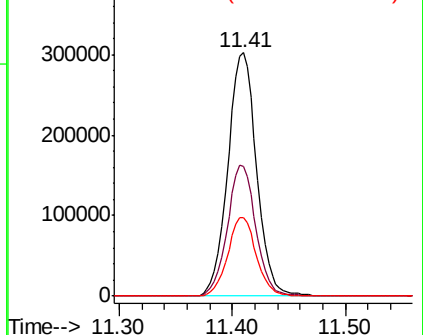
119 32.2 25.4 38.0

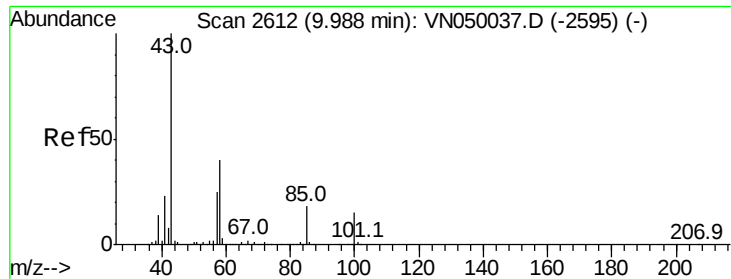


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3039) (-)

Ion 82.00 (81.70 to 82.70): VN050037.D (-3039) (-)

Ion 119.00 (118.70 to 119.70): VN050037.D (-3039) (-)

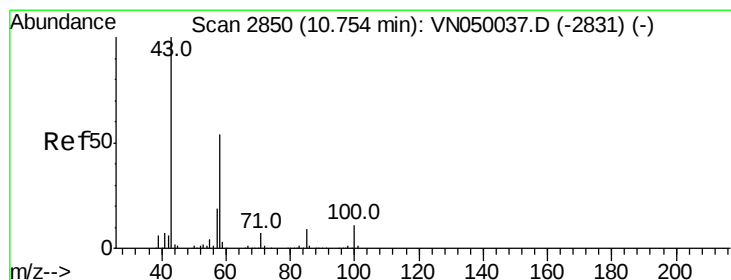
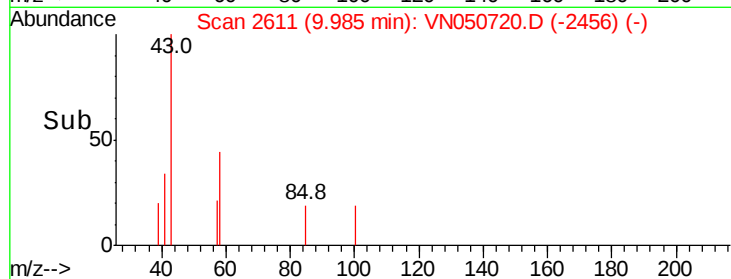
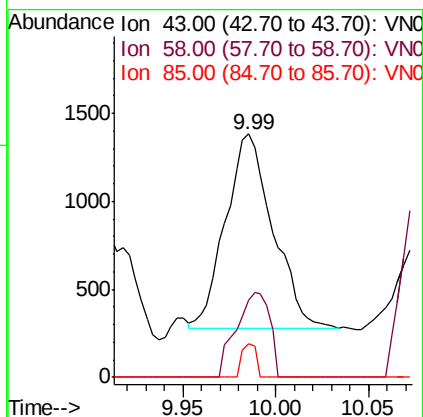
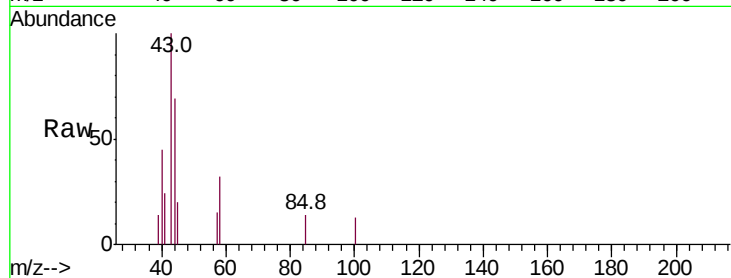




#58
 4-Methyl-2-Pentanone
 Concen: 0.312 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050720.D
 Acq: 17 Aug 2018 10:26

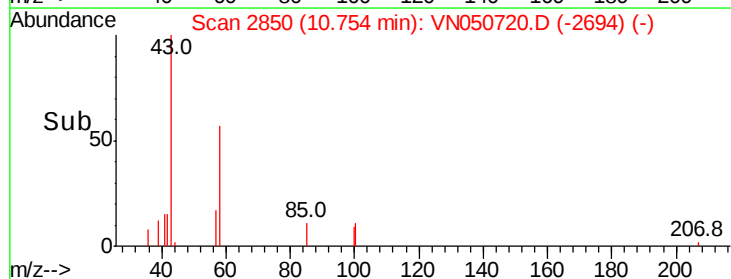
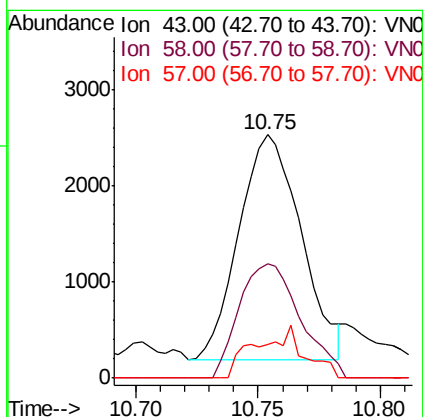
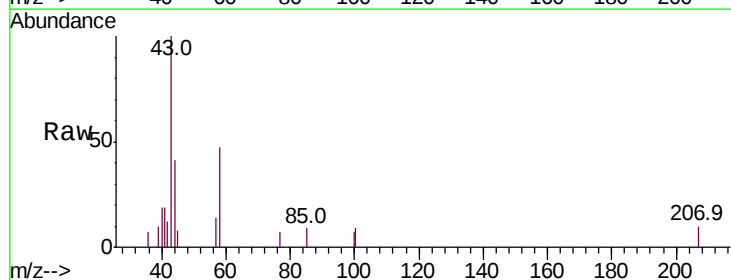
Instrument :
 MSVOA_N
 ClientSampled :

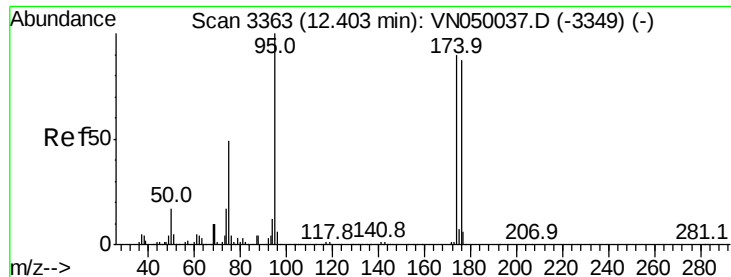
Tot Ion: 43 Resp: 1943
 Ion Ratio Lower Upper
 43 100
 58 30.8 31.2 46.8#
 85 5.2 14.4 21.6#



#59
 2-Hexanone
 Concen: 0.969 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050720.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 43 Resp: 4112
 Ion Ratio Lower Upper
 43 100
 58 50.5 43.8 65.8
 57 3.5 15.1 22.7#

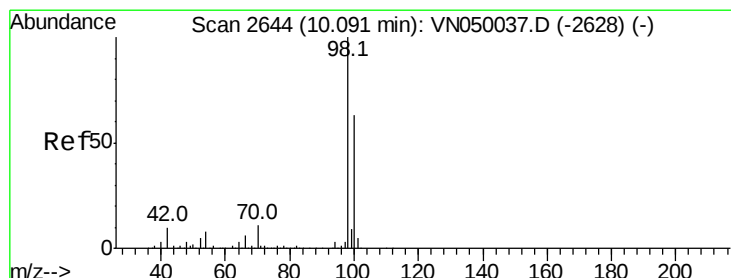
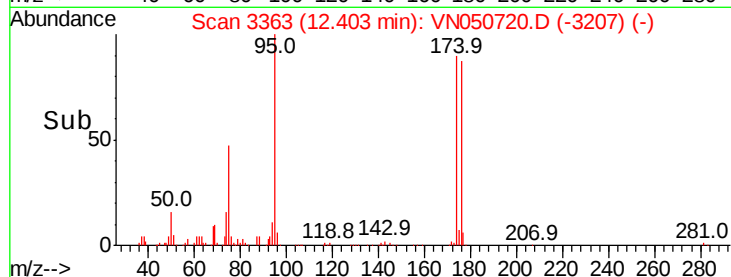
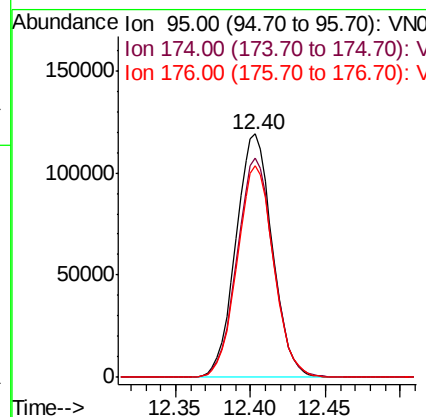
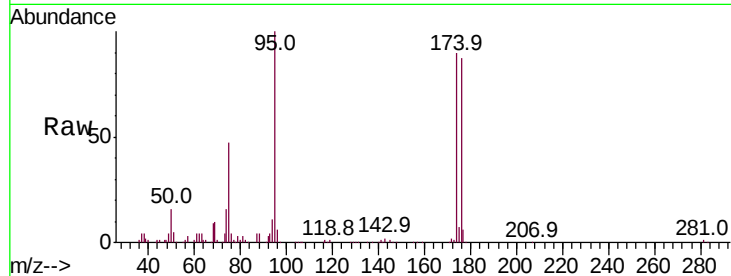




#60
4-Bromofluorobenzene
Concen: 24.544 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

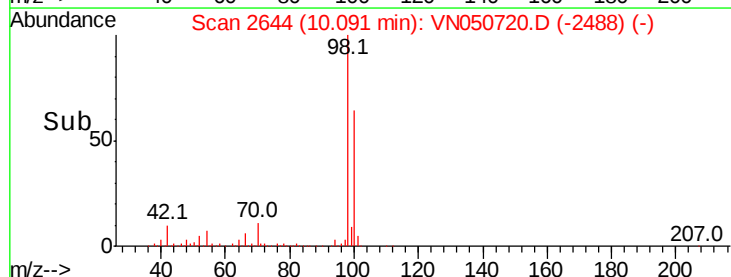
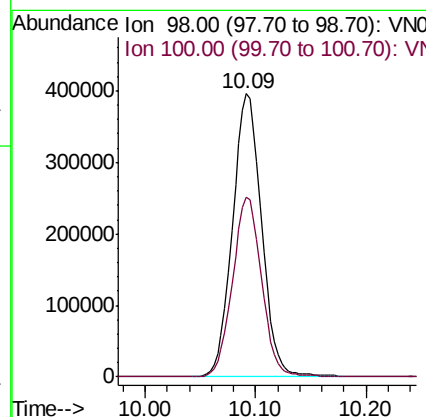
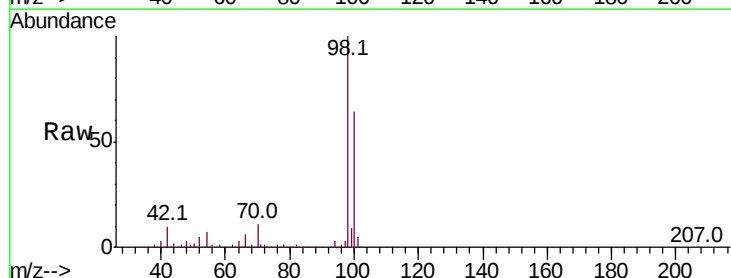
Instrument :
MSVOA_N
ClientSampled :

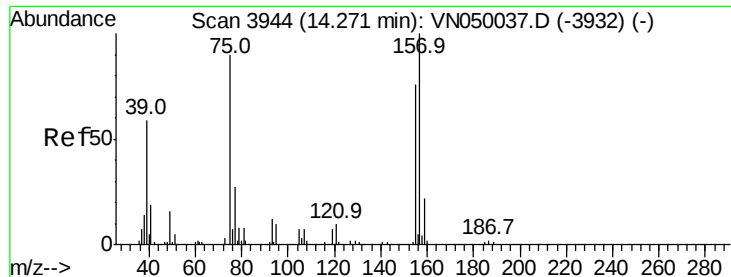
Tot Ion: 95 Resp: 201650
Ion Ratio Lower Upper
95 100
174 90.0 72.3 108.5
176 87.1 70.0 105.0



#63
Toluene-d8
Concen: 28.418 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050720.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 98 Resp: 725883
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 1.467 ug/l

RT: 13.93 min Scan# 3837

Delta R.T. -0.34 min

Lab File: VN050720.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

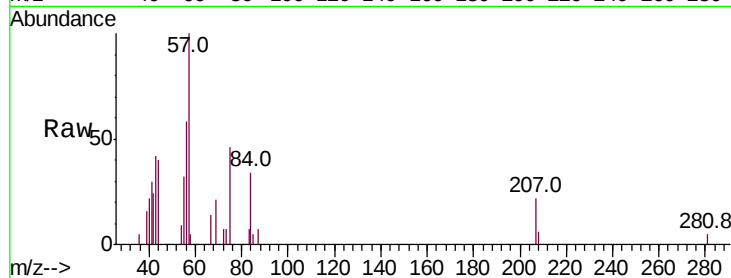
Tot Ion: 75 Resp: 1908

Ion Ratio Lower Upper

75 100

155 0.0 73.0 109.6#

157 0.0 94.9 142.3#



Abundance Ion 75.00 (74.70 to 75.70): VN050720.D (-3837) (-)

Ion 155.00 (154.70 to 155.70): VN050720.D (-3837) (-)

Ion 157.00 (156.70 to 157.70): VN050720.D (-3837) (-)

1500

1000

500

0

13.90 13.93 13.95

Time-->

