

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055257.D
 Acq On : 25 Apr 2019 21:47
 Operator : JC/SP
 Sample : K2572-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 26 05:25:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69594	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	363978	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	296670	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	166200	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	12.40	95	99906	21.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.13%
63) Toluene-d8	10.09	98	442607	31.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.67%

Target Compounds

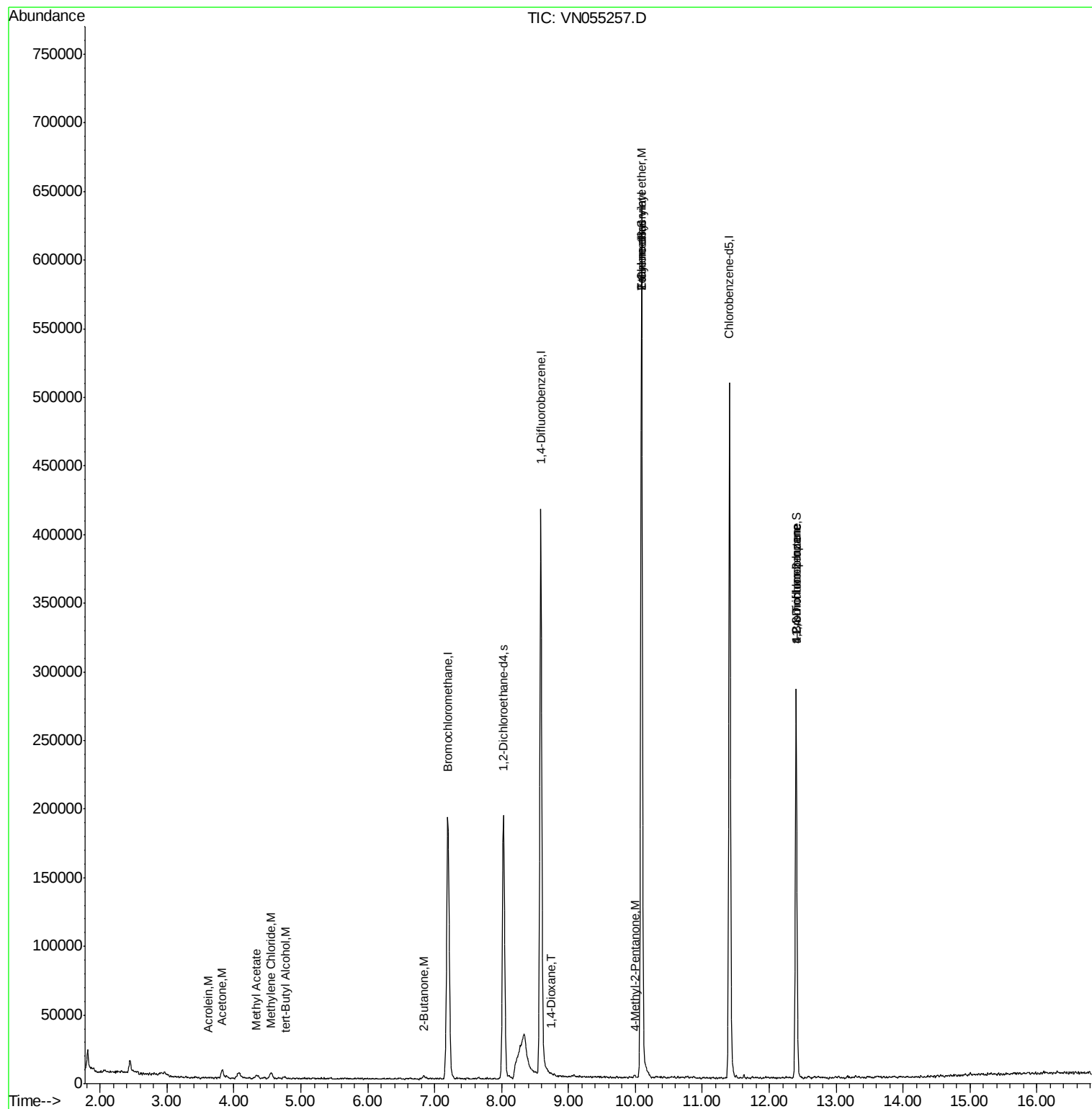
					Ovalue	
12) Methyl Acetate	4.34	43	4513	0.825	ug/l #	90
13) Acrolein	3.61	56	72	0.296	ug/l #	78
15) Acetone	3.82	58	2365	5.053	ug/l #	45
18) Methylene Chloride	4.55	84	2516	0.538	ug/l #	80
23) tert-Butyl Alcohol	4.79	59	82	0.207	ug/l #	100
30) 2-Butanone	6.84	43	877	0.375	ug/l #	71
45) 1,4-Dioxane	8.75	88	106	2.294	ug/l #	2
51) Ethyl methacrylate	10.09	69	1549	0.292	ug/l #	66
55) 2-Chloroethyl vinyl ether	10.09	63	340	0.213	ug/l #	47
58) 4-Methyl-2-Pentanone	9.99	43	942	0.203	ug/l #	74
72) 1,2,3-Trichloropropane	12.40	75	50793	12.386	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	50793	46.538	ug/l #	3

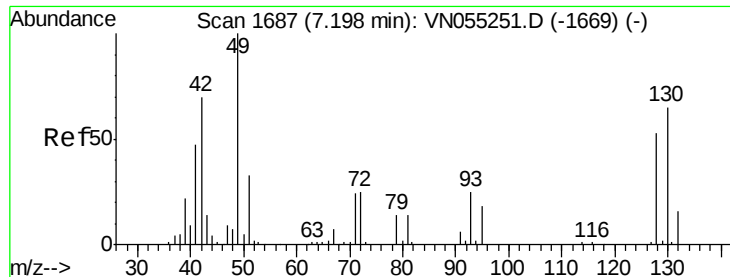
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Apr 26 05:25:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 05:19:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

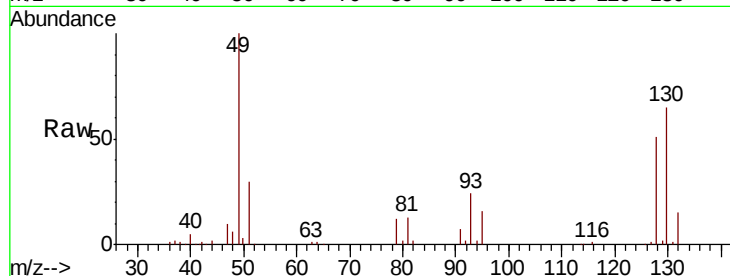
Tot Ion:128 Resp: 69594

Ion Ratio Lower Upper

128 100

49 195.8 0.0 485.0

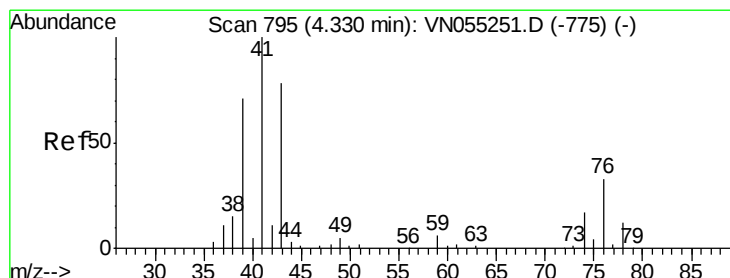
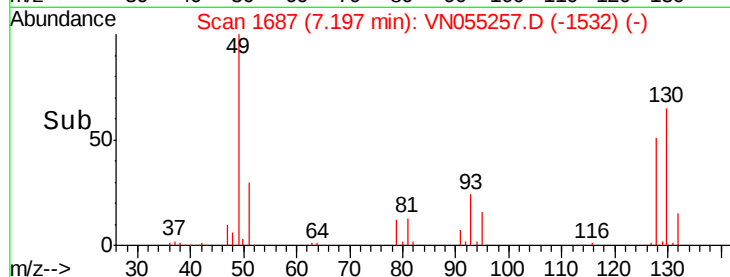
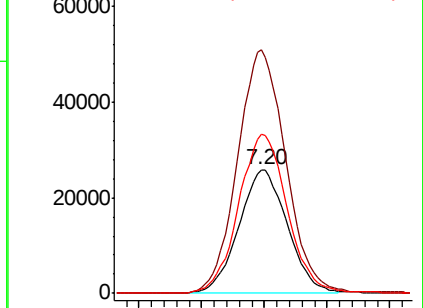
130 128.8 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.825 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055257.D

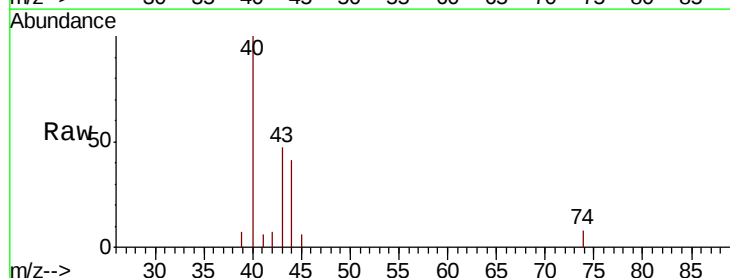
Acq: 25 Apr 2019 21:47

Tgt Ion: 43 Resp: 4513

Ion Ratio Lower Upper

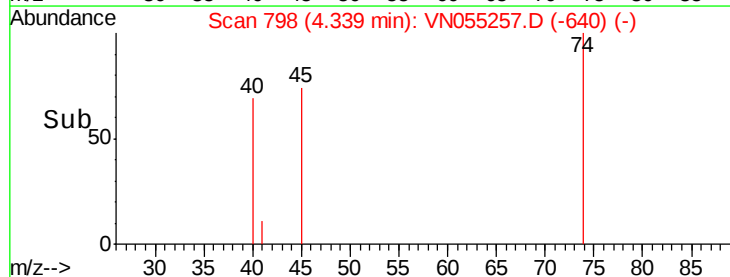
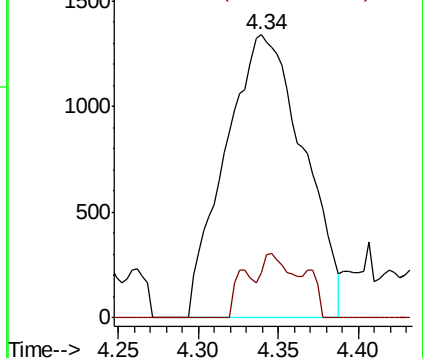
43 100

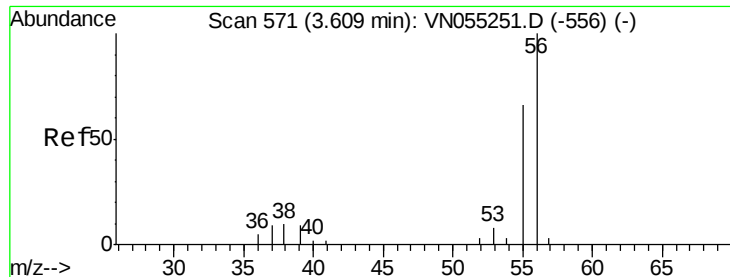
74 17.3 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.296 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

Instrument :

MSVOA_N

ClientSampled :

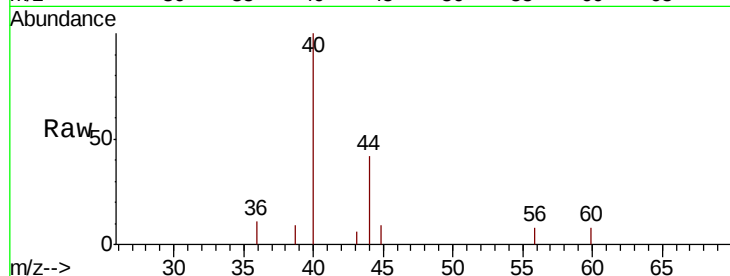
TRIP-BLANK

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

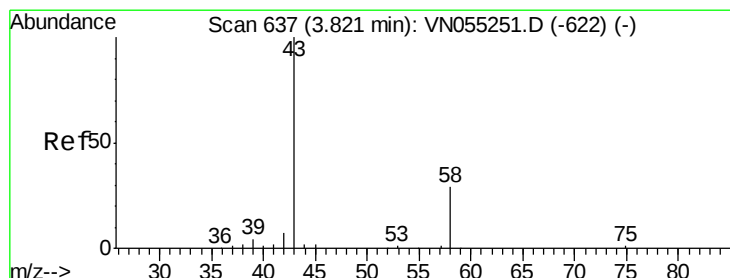
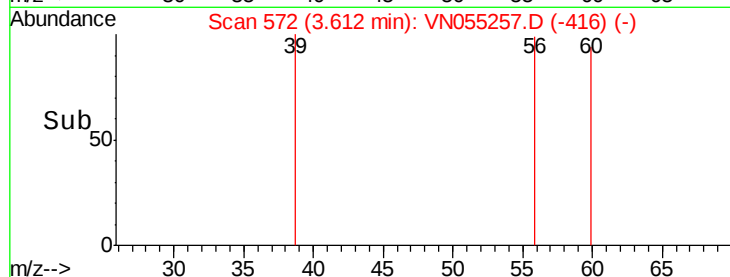
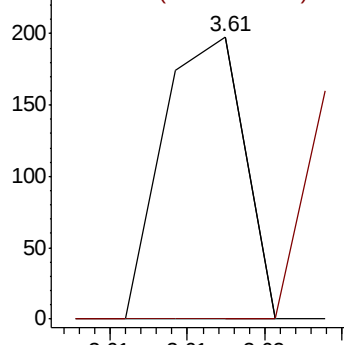
56 100

55 86.1 54.9 82.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acetone

Concen: 5.053 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055257.D

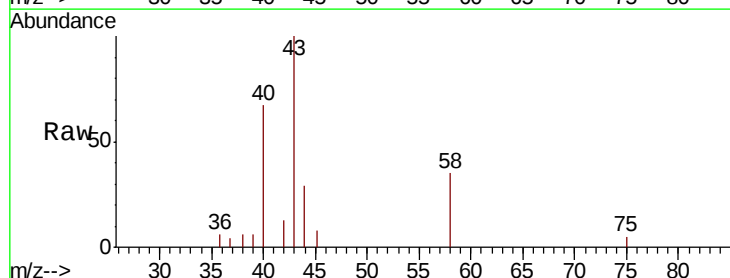
Acq: 25 Apr 2019 21:47

Tgt Ion: 58 Resp: 2365

Ion Ratio Lower Upper

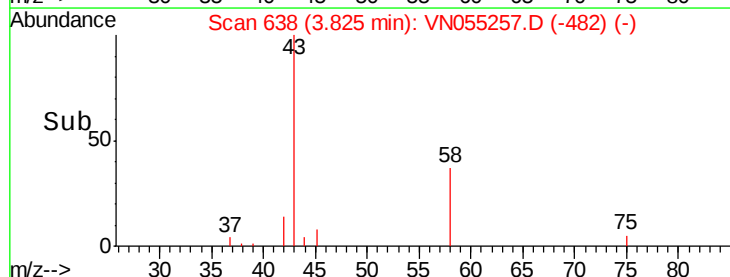
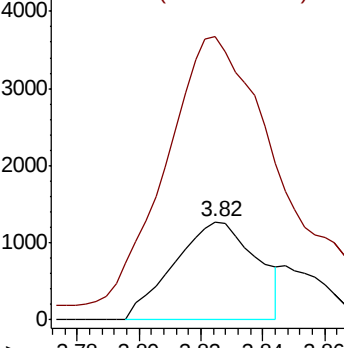
58 100

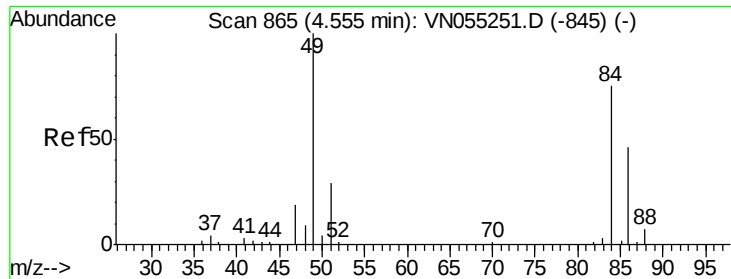
43 229.8 278.2 417.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

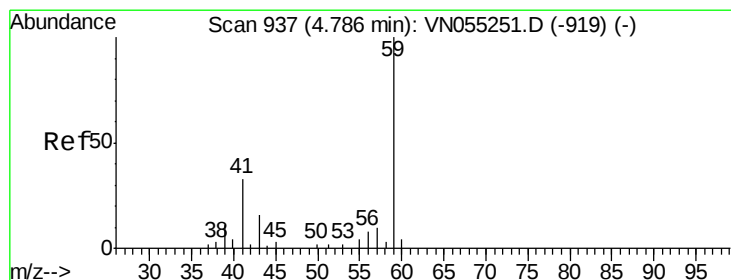
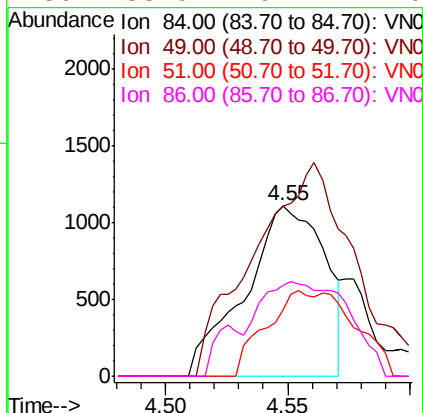
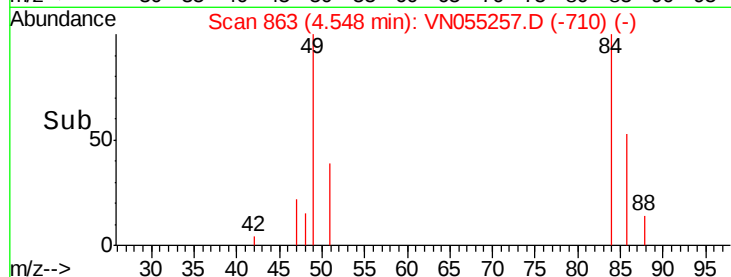
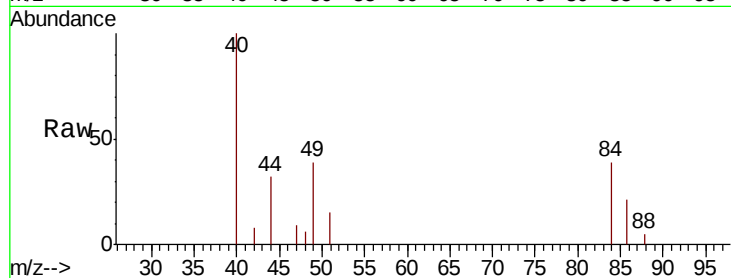




#18
Methvlene Chloride
Concen: 0.538 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

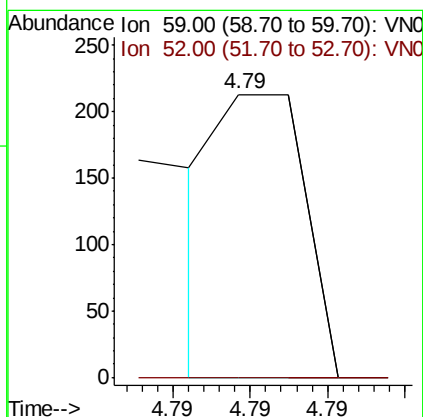
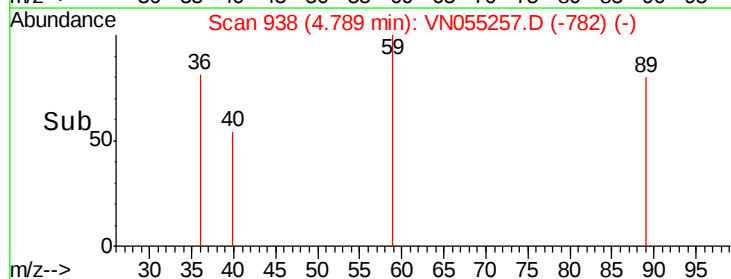
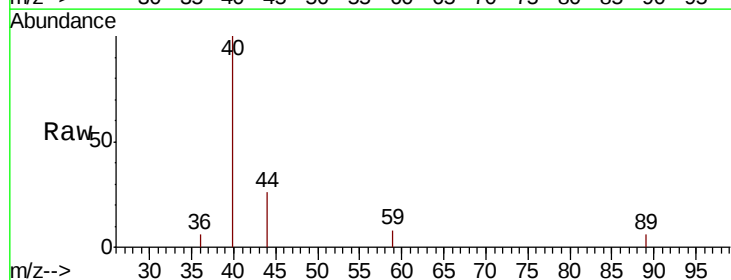
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

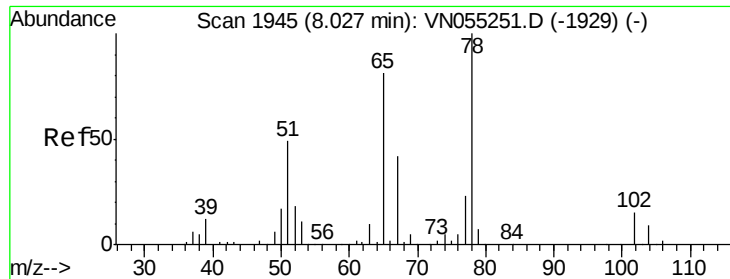
Tot Ion: 84 Resp: 2516
Ion Ratio Lower Upper
84 100
49 99.6 107.2 160.8#
51 39.0 31.4 47.2
86 53.0 49.4 74.0



#23
tert-Butyl Alcohol
Concen: 0.207 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

Instrument :

MSVOA_N

ClientSampleId :

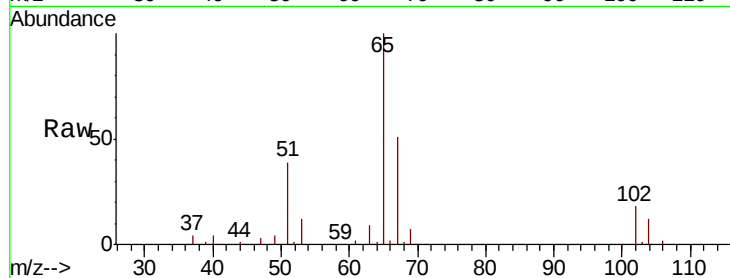
TRIP-BLANK

Tot Ion: 65 Resp: 166200

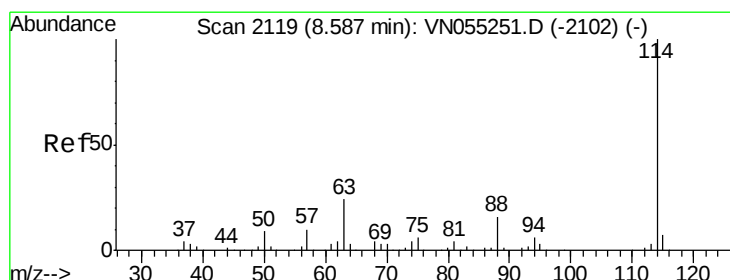
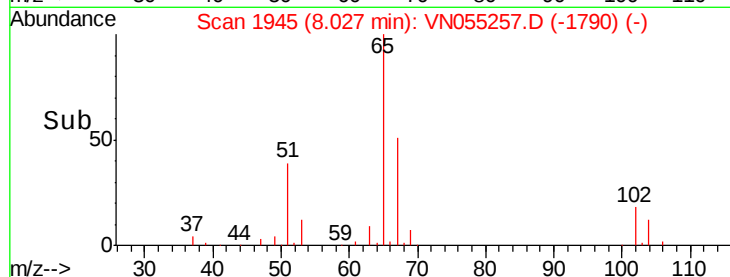
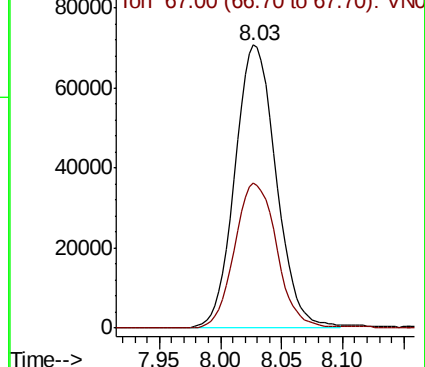
Ion Ratio Lower Upper

65 100

67 52.2 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VN055257.D (-1790) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

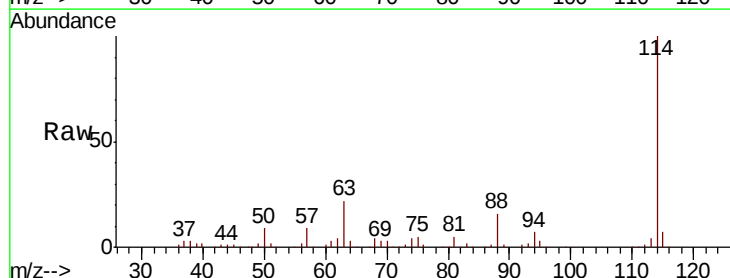
Tgt Ion: 114 Resp: 363978

Ion Ratio Lower Upper

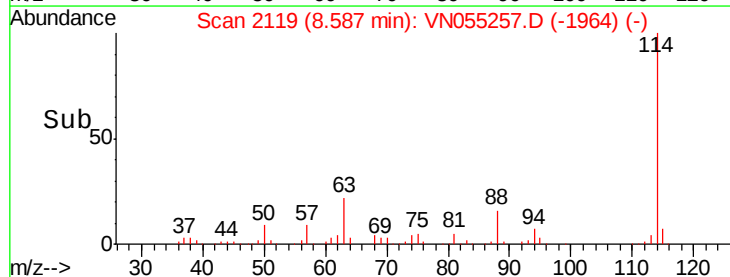
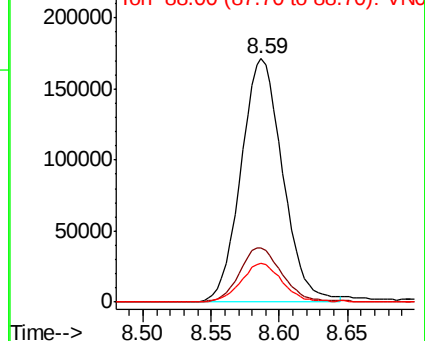
114 100

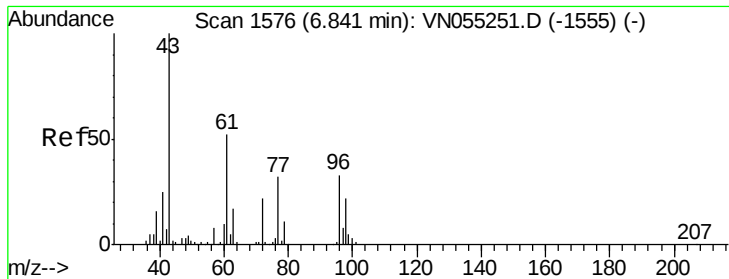
63 22.9 18.2 27.2

88 15.7 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN055257.D (-1964) (-)

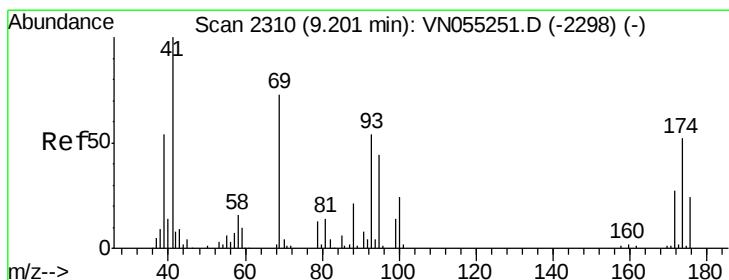
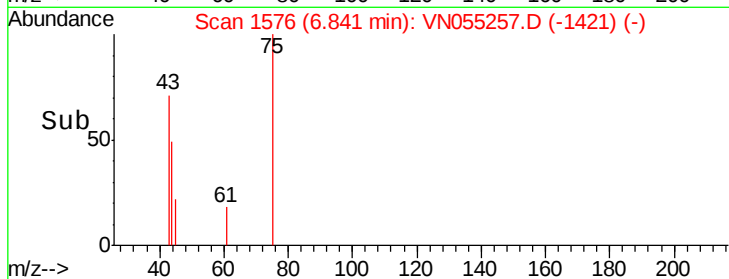
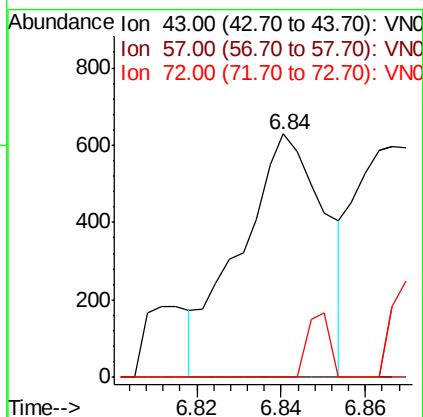
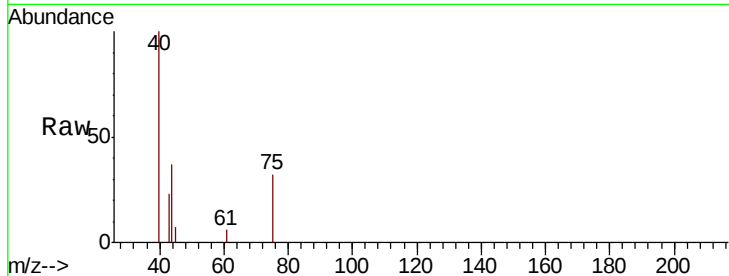




#30
 2-Butanone
 Concen: 0.375 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055257.D
 Acq: 25 Apr 2019 21:47

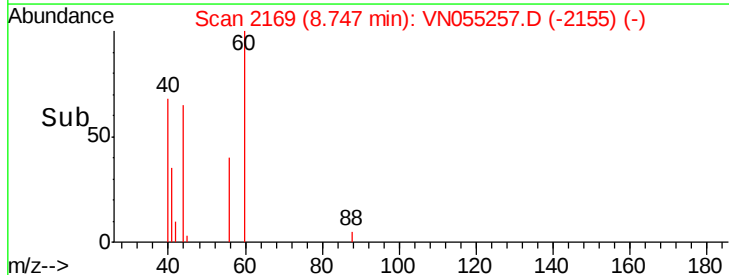
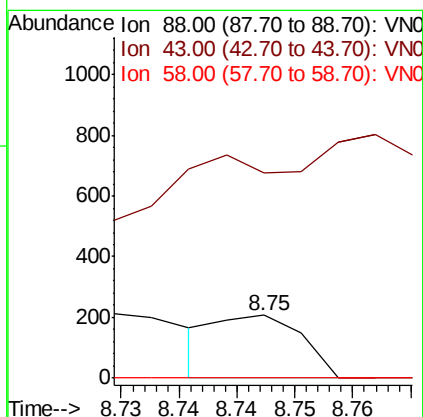
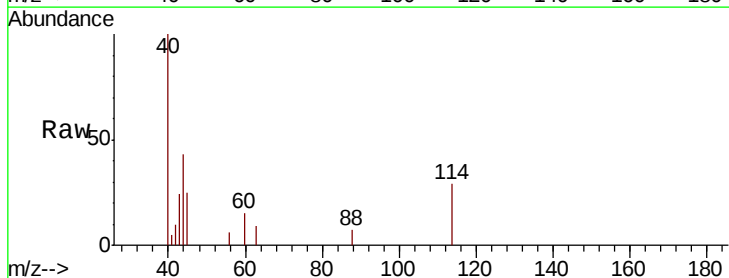
Instrument :
 MSVOA_N
 ClientSampleId :
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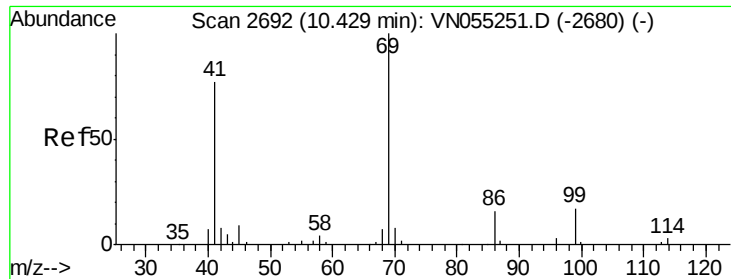
Tot Ion: 43 Resp: 877
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.0 9.0#
 72 7.0 17.9 26.9#



#45
 1,4-Dioxane
 Concen: 2.294 ug/l
 RT: 8.75 min Scan# 2169
 Delta R.T. -0.45 min
 Lab File: VN055257.D
 Acq: 25 Apr 2019 21:47

Tgt Ion: 88 Resp: 106
 Ion Ratio Lower Upper
 88 100
 43 105.7 29.4 44.0#
 58 0.0 62.4 93.6#





#51

Ethyl methacrylate

Concen: 0.292 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

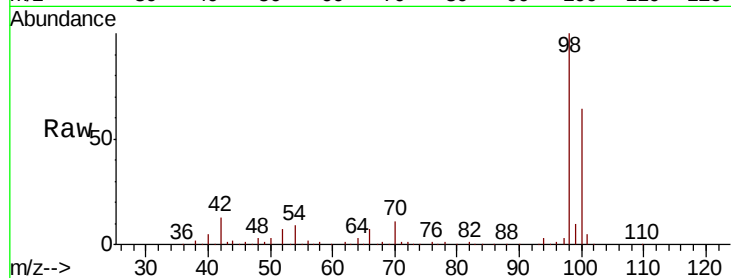
Tot Ion: 69 Resp: 1549

Ion Ratio Lower Upper

69 100

41 107.0 38.7 116.1

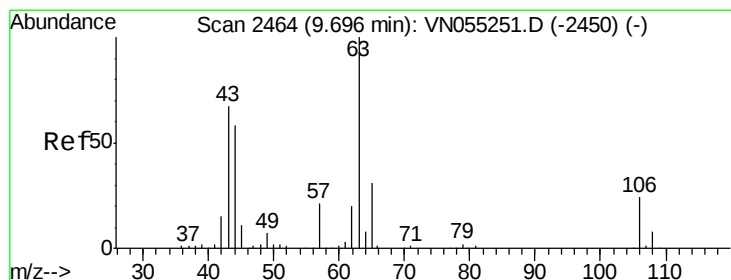
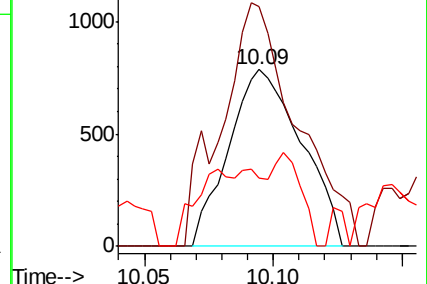
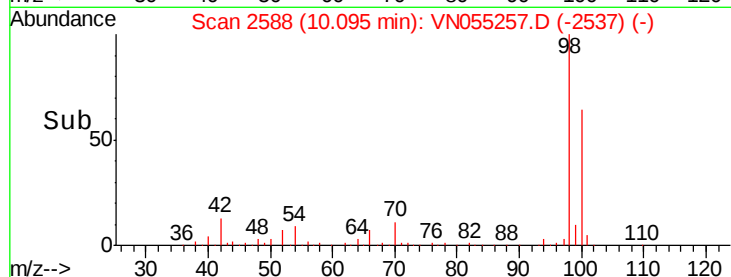
39 19.0 19.9 59.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#55

2-Chloroethyl vinyl ether

Concen: 0.213 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.39 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

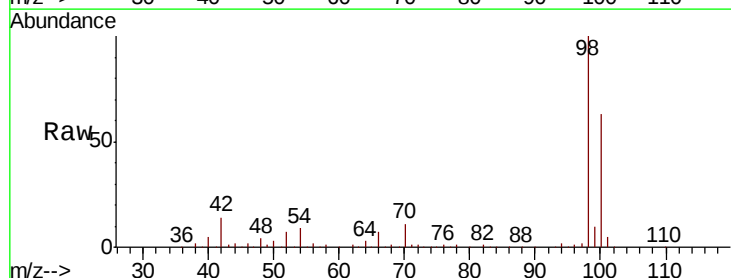
Tgt Ion: 63 Resp: 340

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#

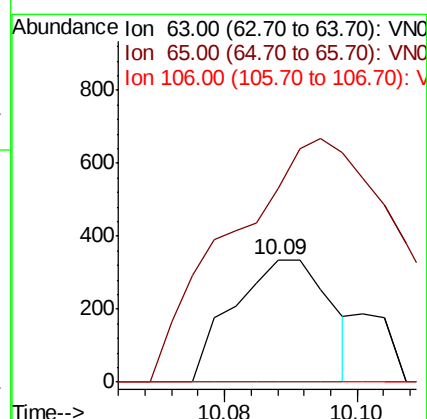
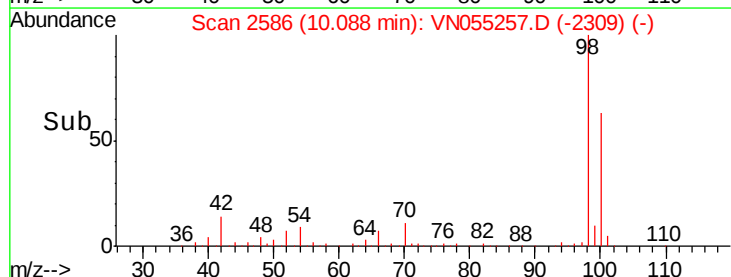
106 0.0 19.4 29.0#

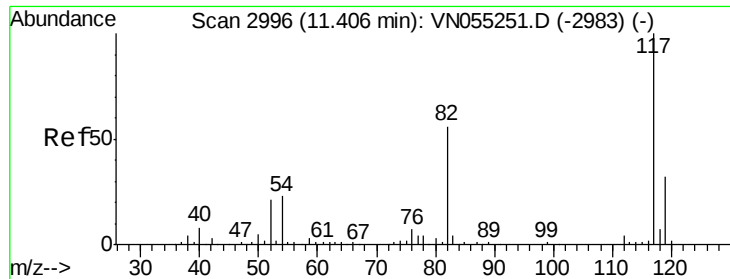


Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): V

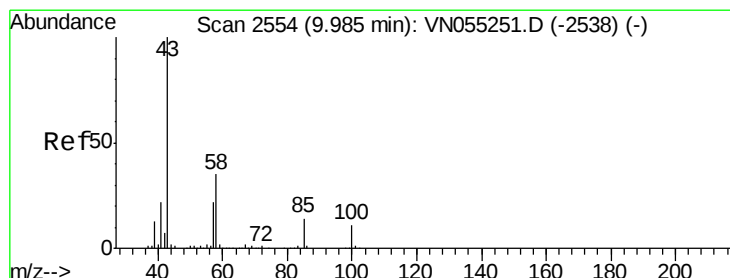
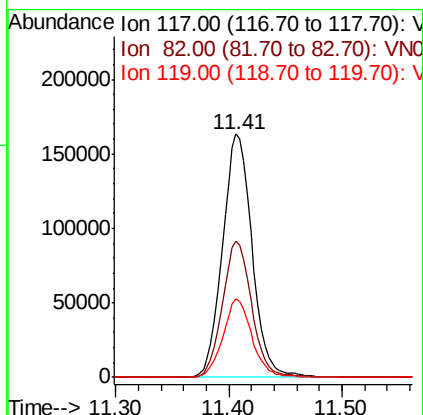
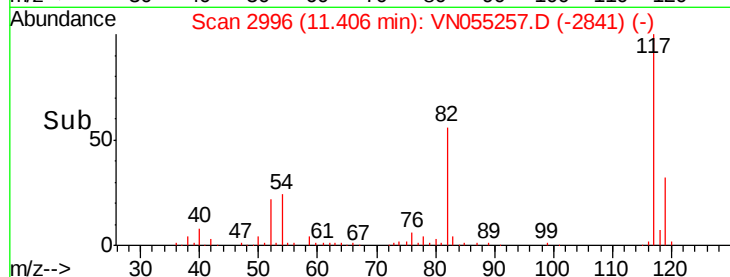
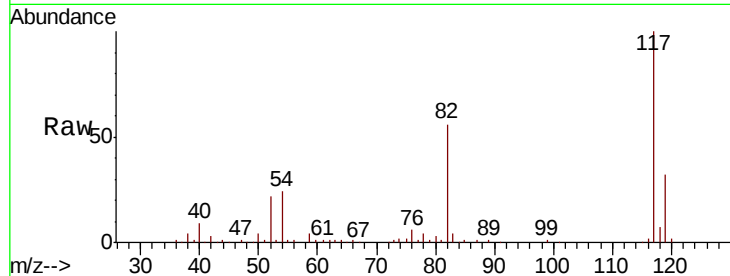




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

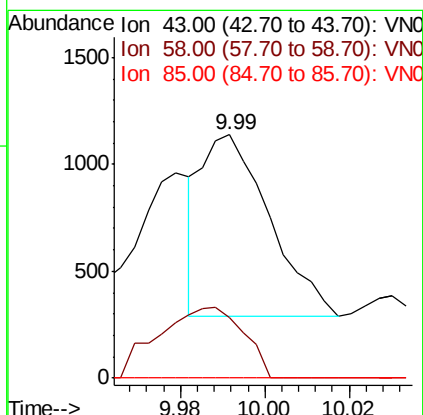
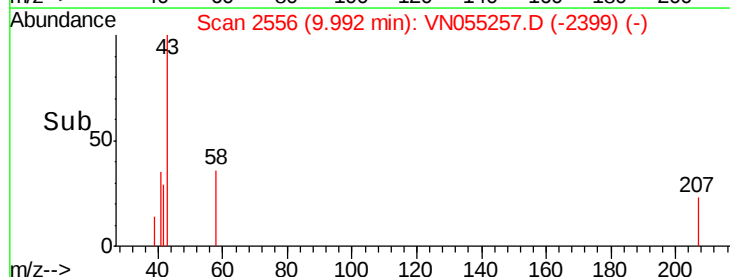
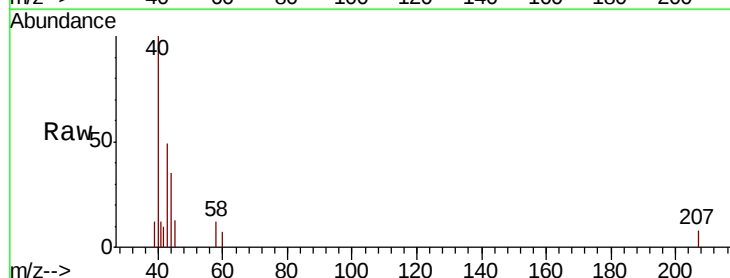
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

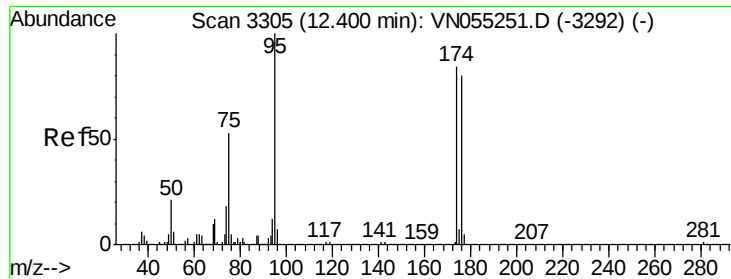
Tot Ion:117 Resp: 296670
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 31.3 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
58 49.2 28.6 43.0#
85 0.0 11.4 17.2#

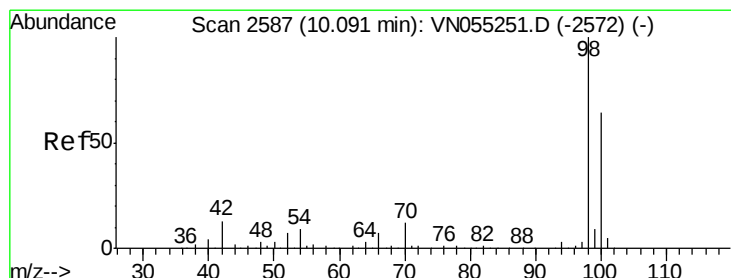
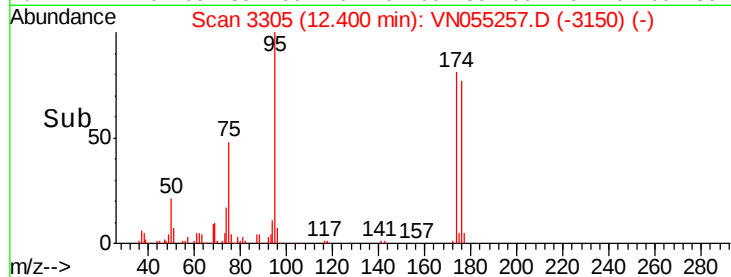
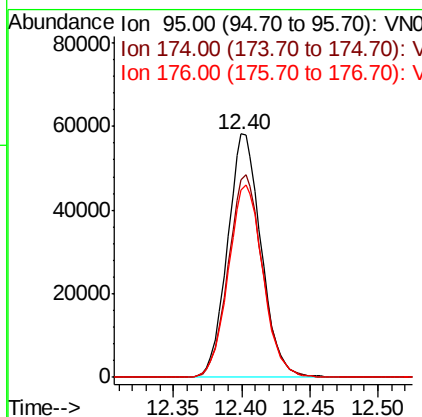
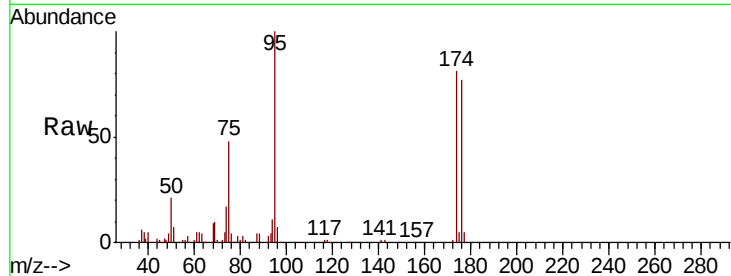




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

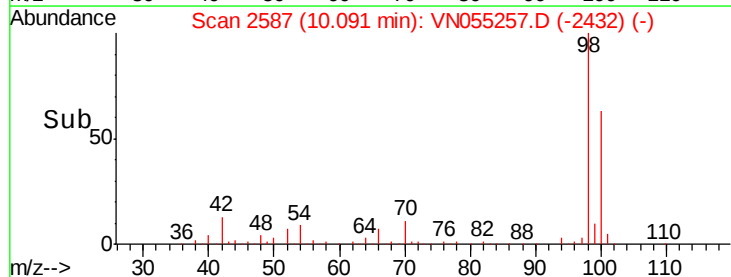
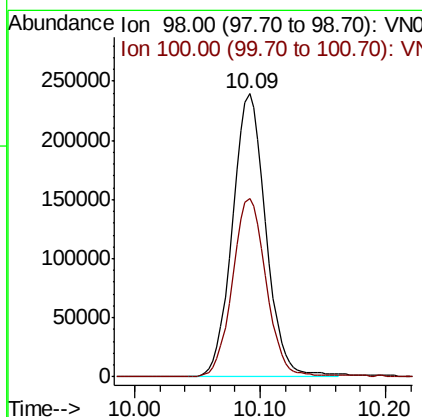
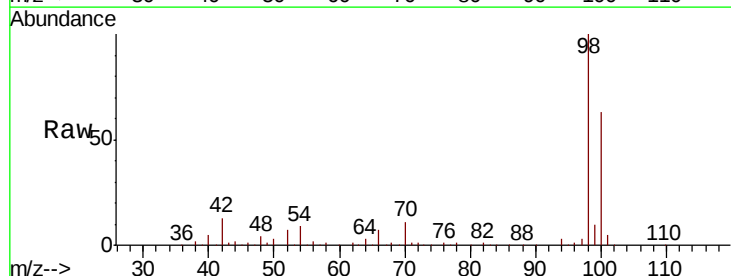
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

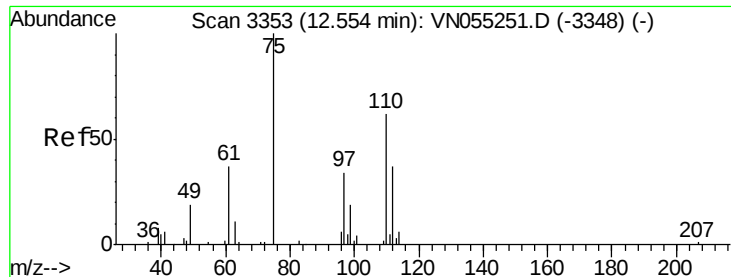
Tot Ion	95	Resp	99906
Ion Ratio	Lower	Upper	
95	100		
174	84.5	68.1	102.1
176	81.1	65.8	98.6



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055257.D
Acq: 25 Apr 2019 21:47

Tgt Ion	98	Resp	442607
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.0	75.0





#72

1,2,3-Trichloropropane

Concen: 12.386 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

Instrument :

MSVOA_N

ClientSampled :

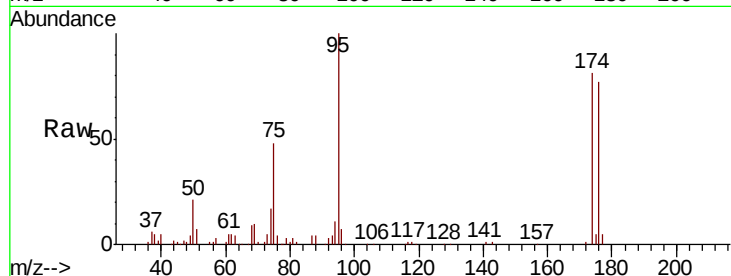
TRIP-BLANK

Tot Ion: 75 Resp: 50793

Ion Ratio Lower Upper

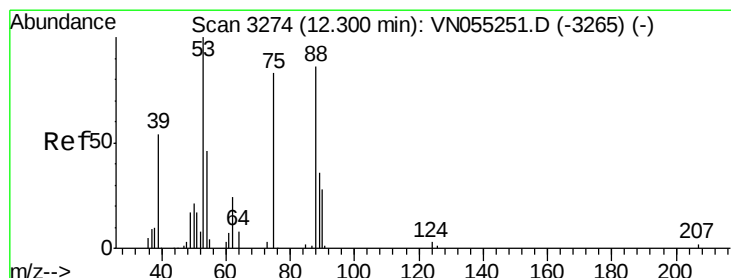
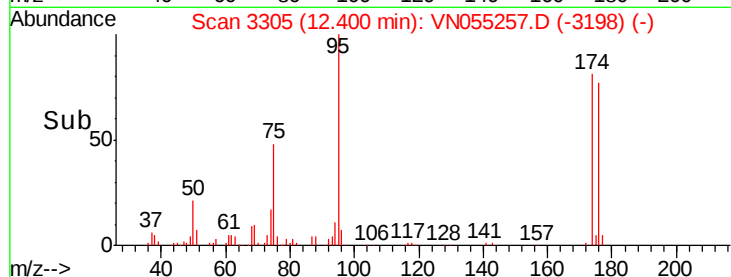
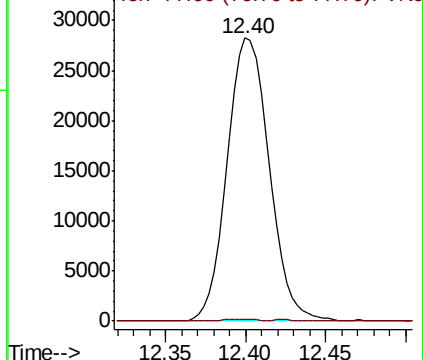
75 100

77 0.3 0.0 410.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 46.538 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055257.D

Acq: 25 Apr 2019 21:47

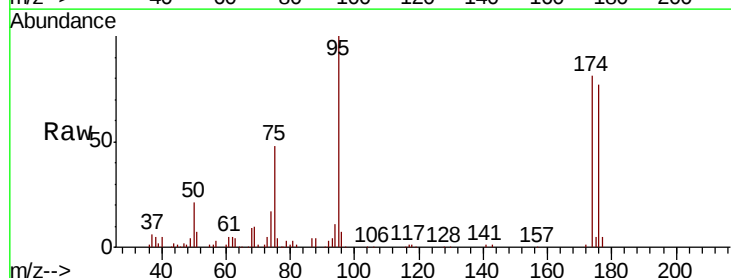
Tgt Ion: 75 Resp: 50793

Ion Ratio Lower Upper

75 100

53 0.0 59.5 178.5#

89 0.0 23.1 69.2#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

