

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055133.D
 Acq On : 19 Apr 2019 11:24
 Operator : JC/SP
 Sample : K2479-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 03:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	67898	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	351471	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288401	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	159916	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	99735	22.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.03%
63) Toluene-d8	10.09	98	431377	31.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.87%

Target Compounds

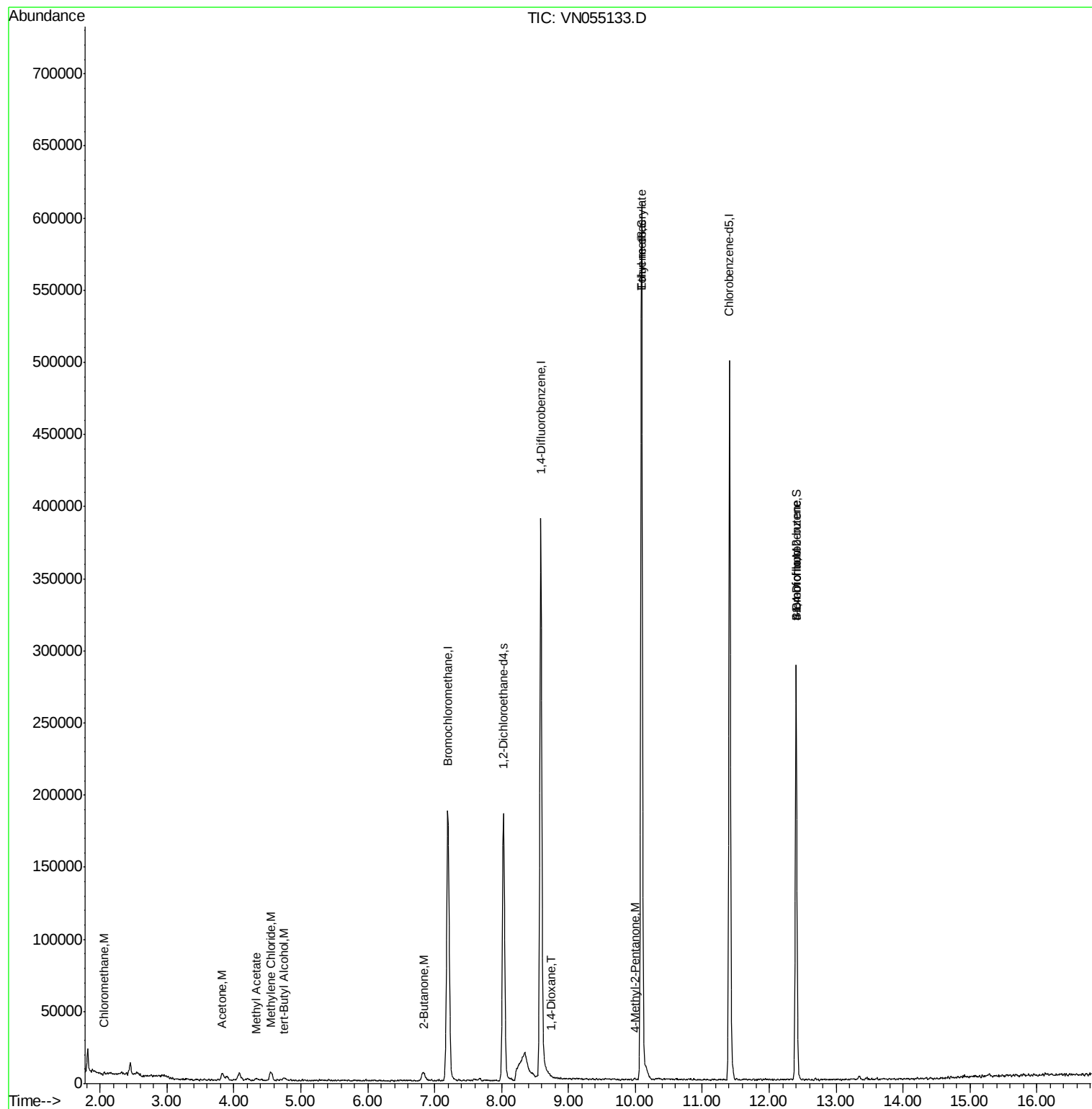
					Ovalue
3) Chloromethane	2.07	50	1194	0.221 ug/l #	78
12) Methyl Acetate	4.35	43	2341	0.632 ug/l #	56
15) Acetone	3.83	58	2680	7.134 ug/l #	44
18) Methylene Chloride	4.54	84	1389	0.312 ug/l #	82
23) tert-Butyl Alcohol	4.73	59	133	0.549 ug/l #	100
30) 2-Butanone	6.85	43	1069	0.588 ug/l #	59
45) 1,4-Dioxane	8.75	88	94	2.705 ug/l #	1
51) Ethyl methacrylate	10.10	69	872	0.213 ug/l	74
56) Bromoform	12.40	173	467	0.210 ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	993	0.299 ug/l #	58
77) t-1,4-Dichloro-2-butene	12.40	75	50485	63.381 ug/l #	1

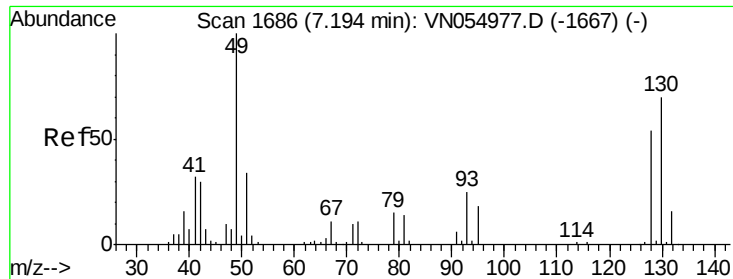
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041919\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 20 03:38:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 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: VN055133.D

Acq: 19 Apr 2019 11:24

Instrument :
MSVOA_N
ClientSampleId :

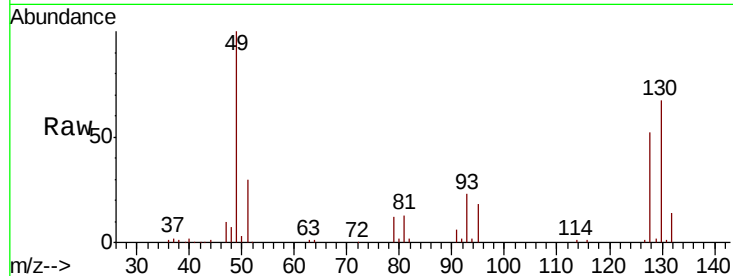
Tot Ion:128 Resp: 67898

Ion Ratio Lower Upper

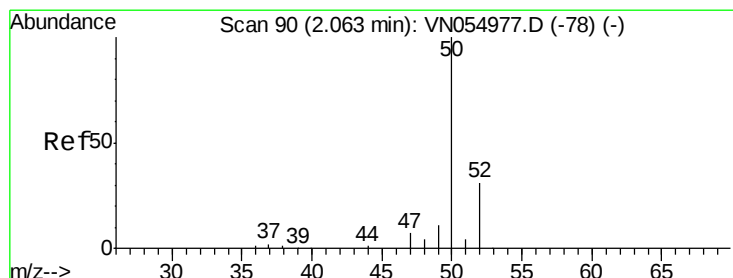
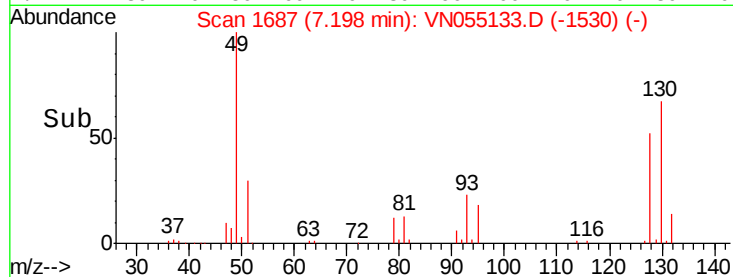
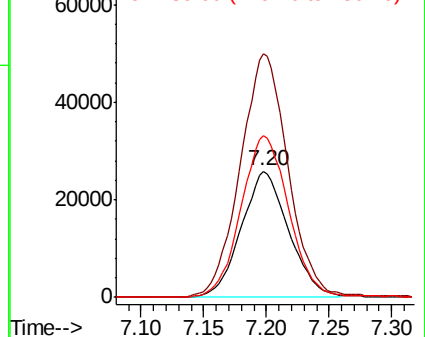
128 100

49 195.6 0.0 480.3

130 129.5 0.0 322.2



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



#3

Chloromethane

Concen: 0.221 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN055133.D

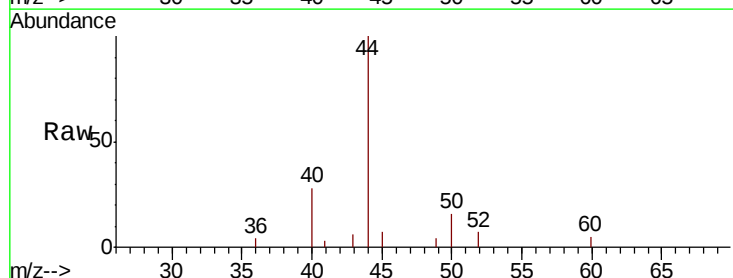
Acq: 19 Apr 2019 11:24

Tgt Ion: 50 Resp: 1194

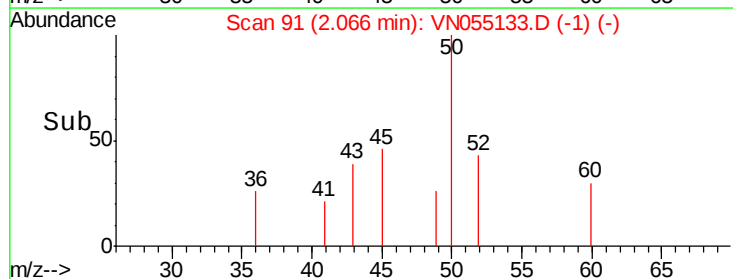
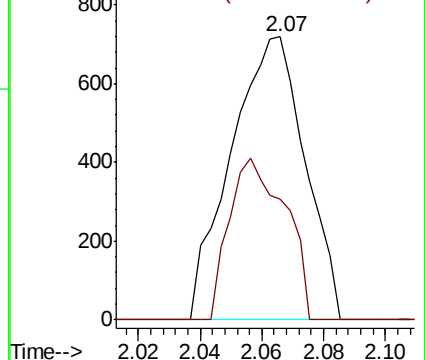
Ion Ratio Lower Upper

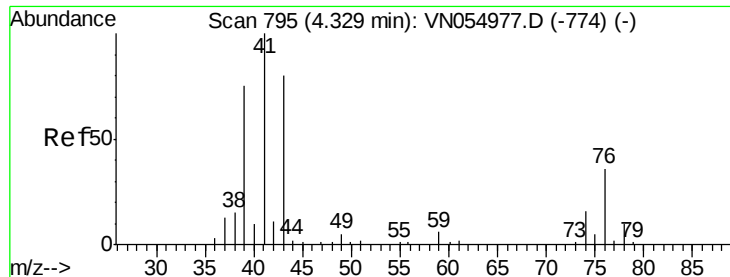
50 100

52 42.6 24.5 36.7#



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN

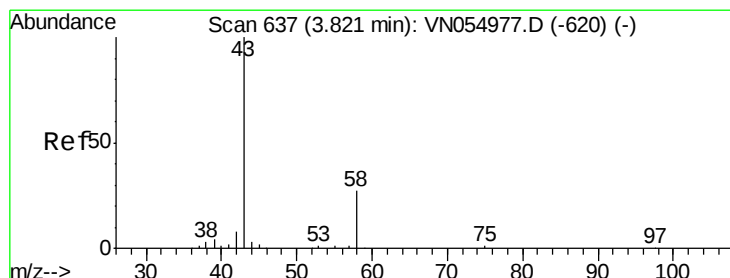
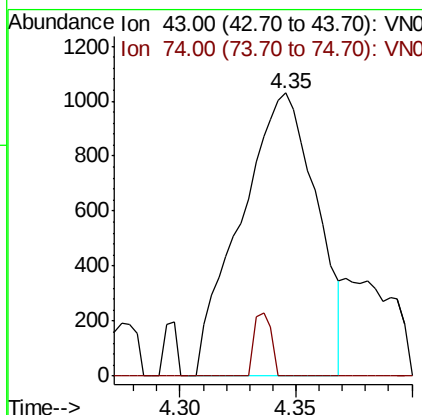
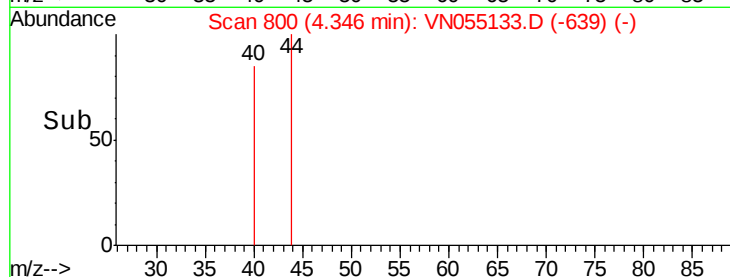
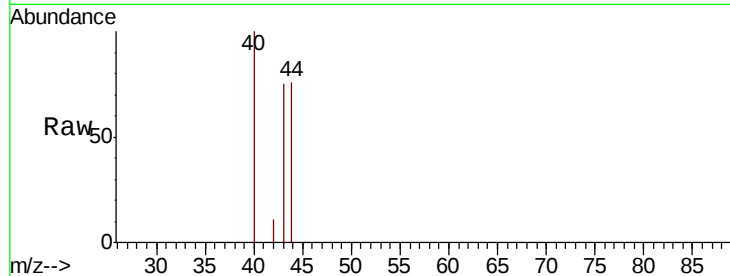




#12
Methvl Acetate
Concen: 0.632 ug/l
RT: 4.35 min Scan# 800
Delta R.T. 0.02 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

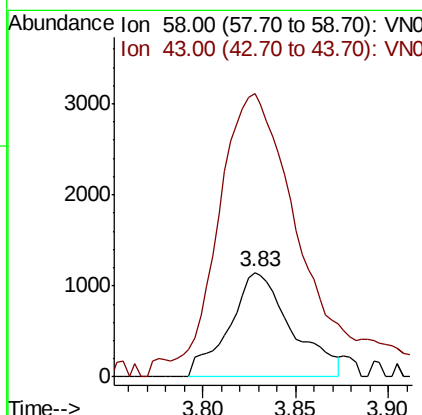
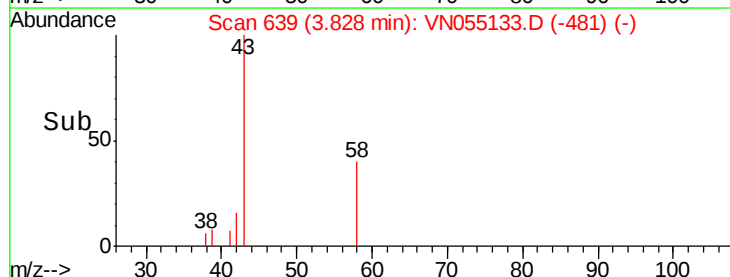
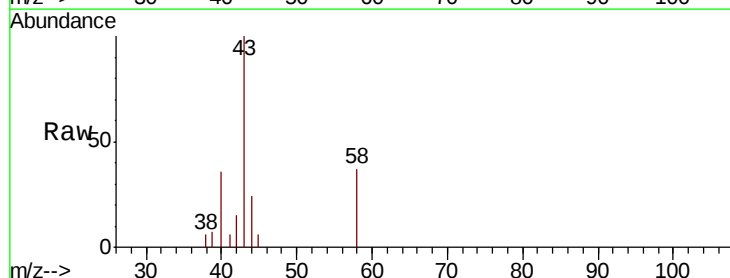
Instrument :
MSVOA_N
ClientSampleId :

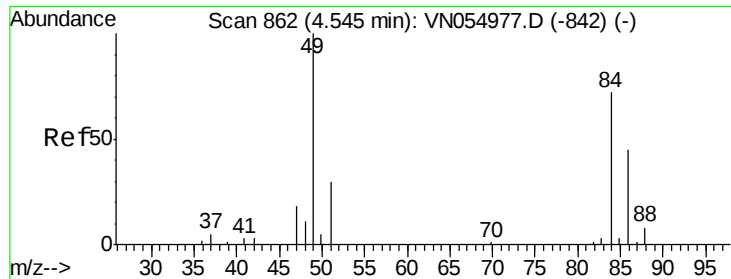
Tot Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#



#15
Acetone
Concen: 7.134 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Tgt Ion: 58 Resp: 2680
Ion Ratio Lower Upper
58 100
43 244.4 297.2 445.8#





#18

Methylene Chloride

Concen: 0.312 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN055133.D

Acq: 19 Apr 2019 11:24

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 1389

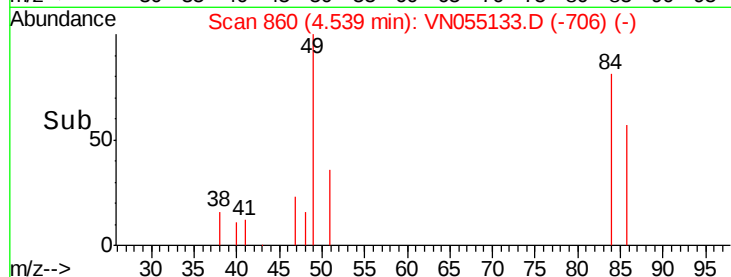
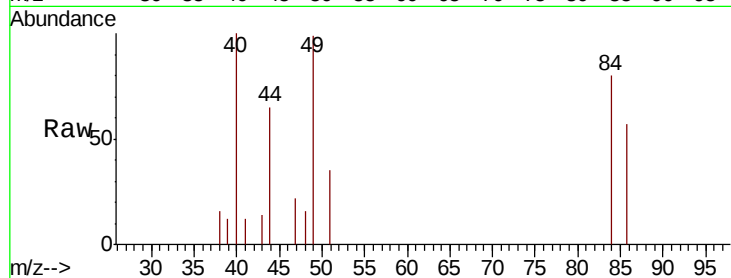
Ion Ratio Lower Upper

84 100

49 108.1 111.0 166.4#

51 44.4 33.4 50.2

86 71.0 49.5 74.3

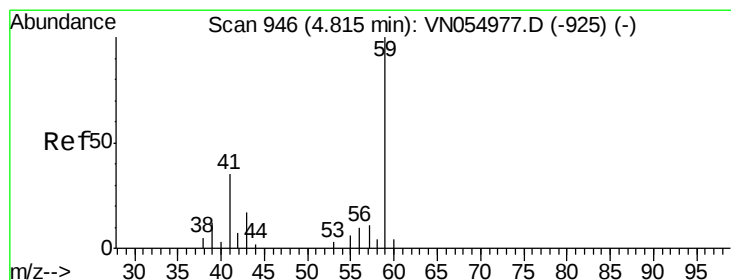
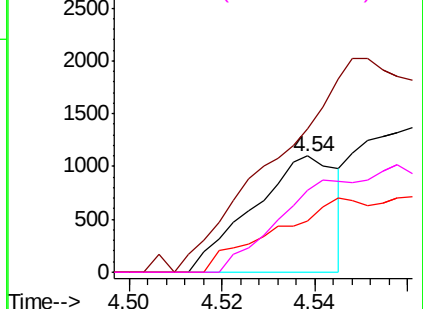


Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.549 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.08 min

Lab File: VN055133.D

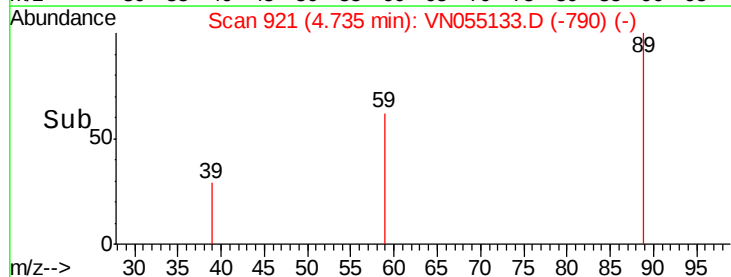
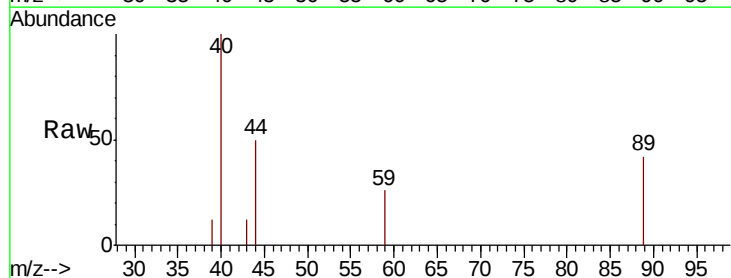
Acq: 19 Apr 2019 11:24

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

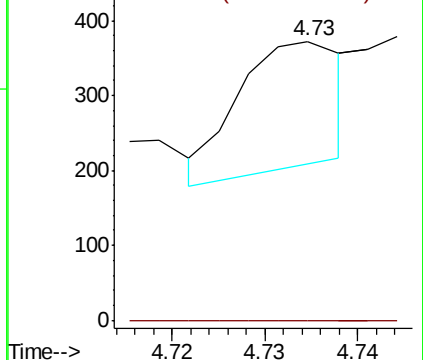
59 100

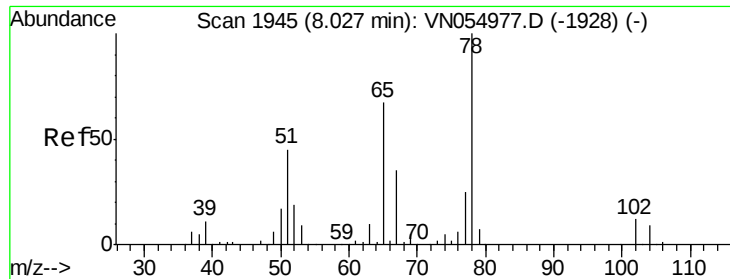
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

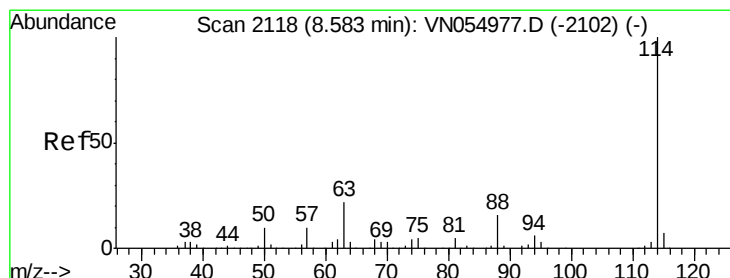
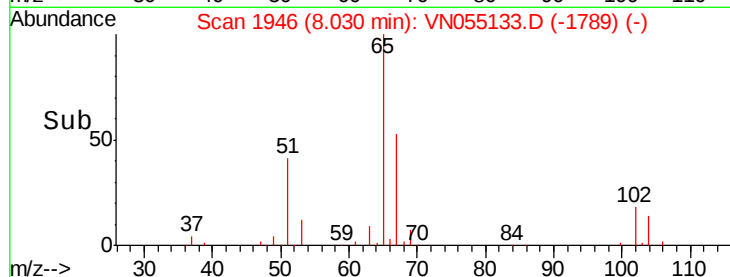
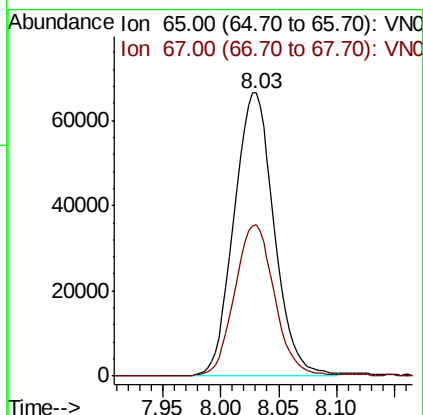
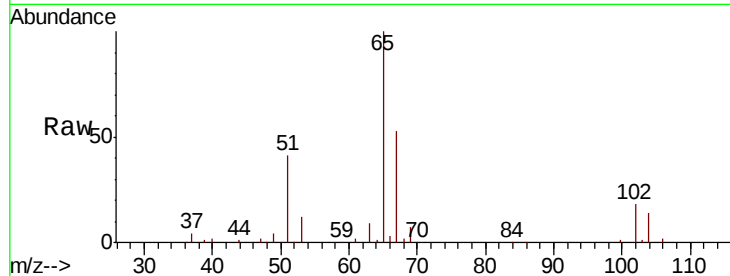




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055133.D
 Acq: 19 Apr 2019 11:24

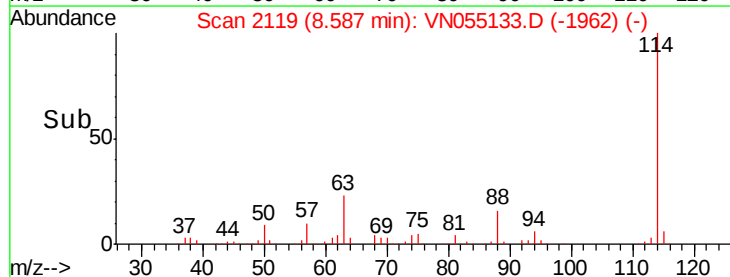
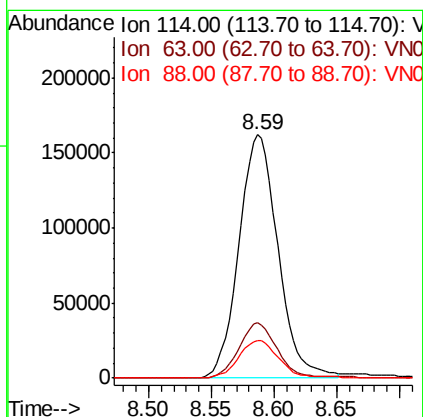
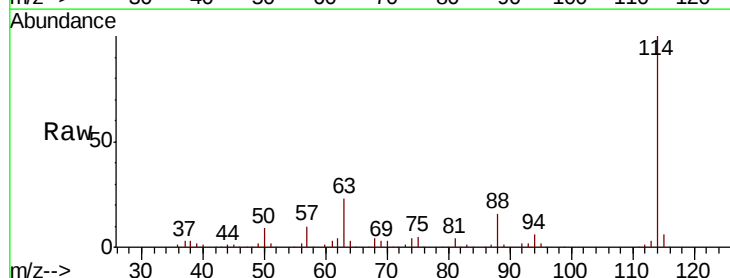
Instrument :
 MSVOA_N
 ClientSampleId :

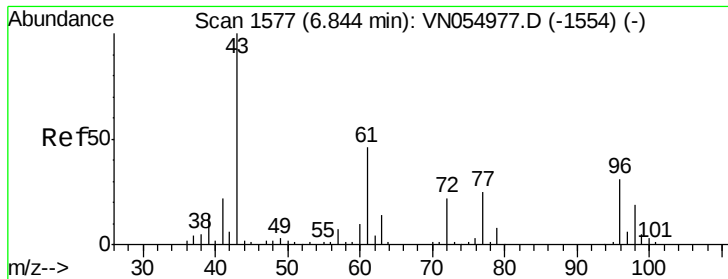
Tot Ion: 65 Resp: 159916
 Ion Ratio Lower Upper
 65 100
 67 53.0 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055133.D
 Acq: 19 Apr 2019 11:24

Tgt Ion: 114 Resp: 351471
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.0 25.4
 88 16.0 12.3 18.5

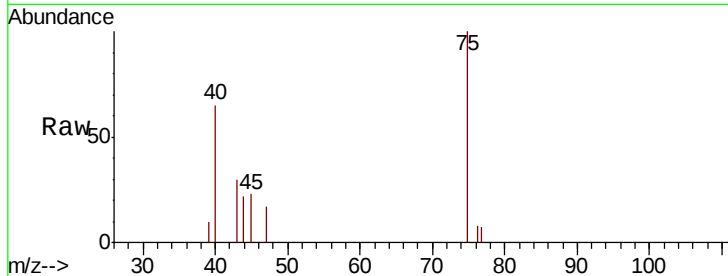




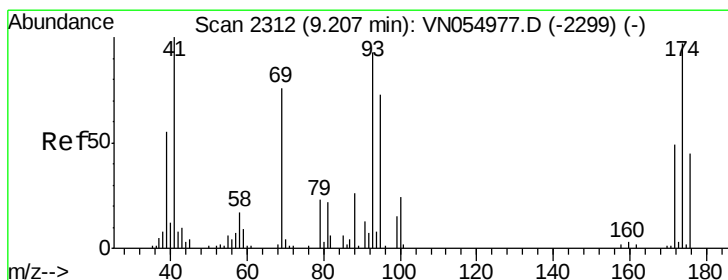
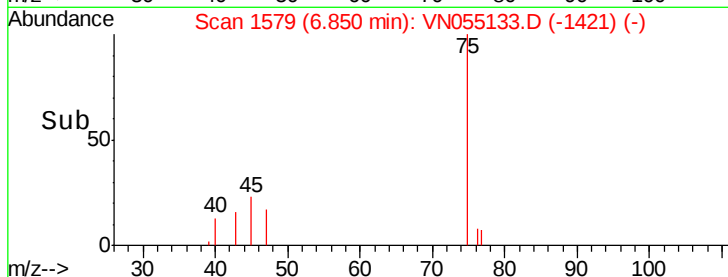
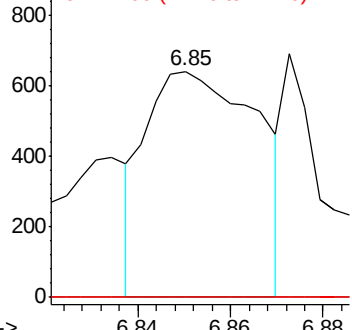
#30
2-Butanone
Concen: 0.588 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
57 0.0 6.0 9.0#
72 0.0 18.6 27.8#

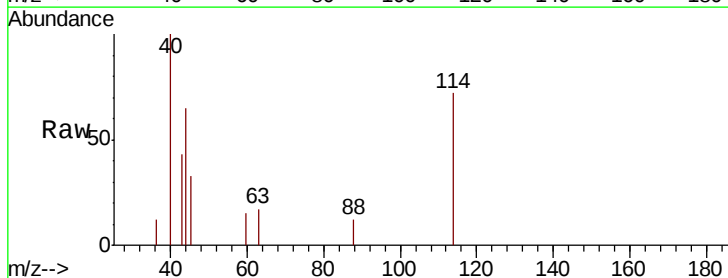


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 57.00 (56.70 to 57.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

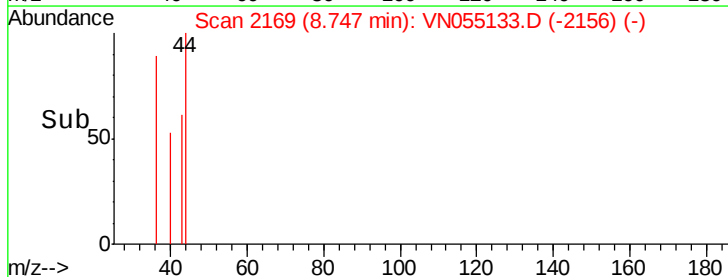
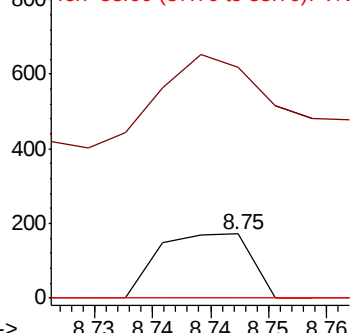


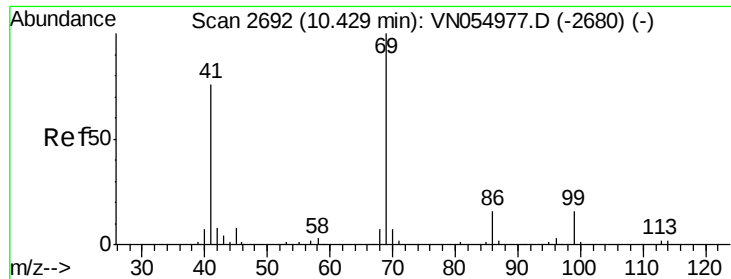
#45
1,4-Dioxane
Concen: 2.705 ug/l
RT: 8.75 min Scan# 2169
Delta R.T. -0.46 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 438.3 34.5 51.7#
58 0.0 60.3 90.5#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

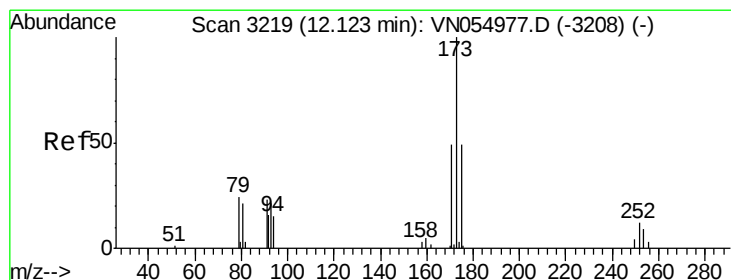
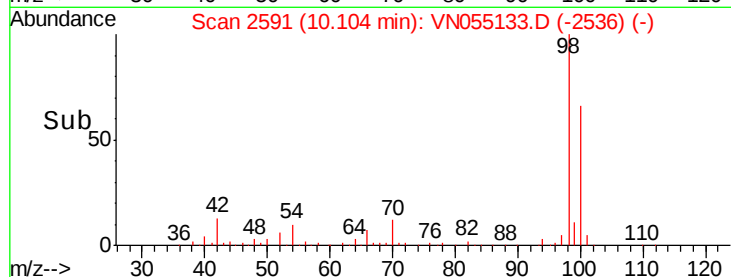
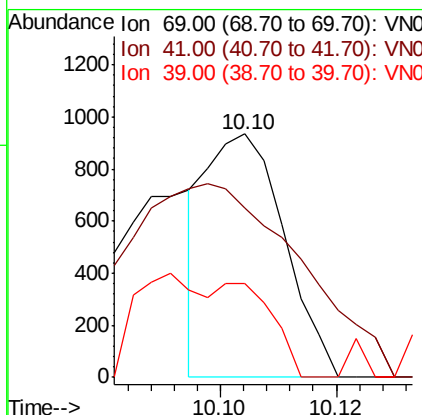
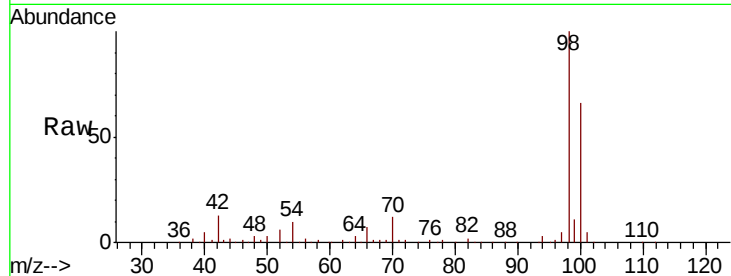




#51
Ethyl methacrylate
Concen: 0.213 ug/l
RT: 10.10 min Scan# 2591
Delta R.T. -0.32 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

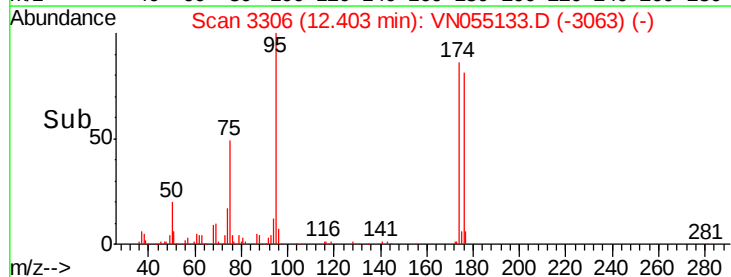
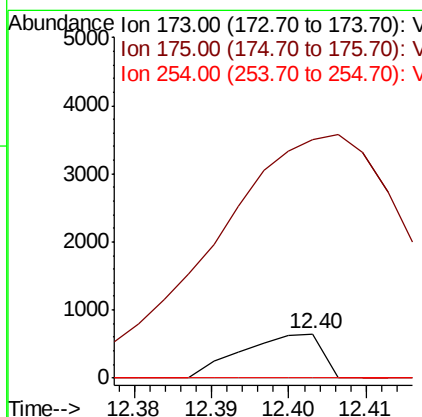
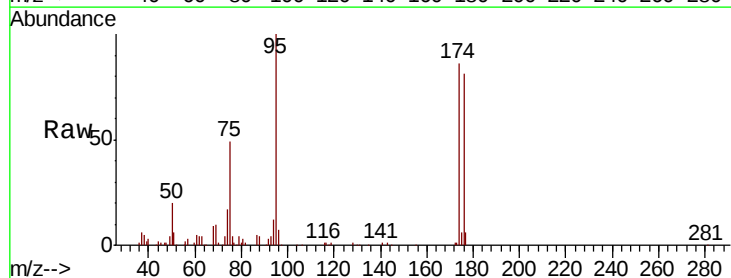
Instrument :
MSVOA_N
ClientSampled :

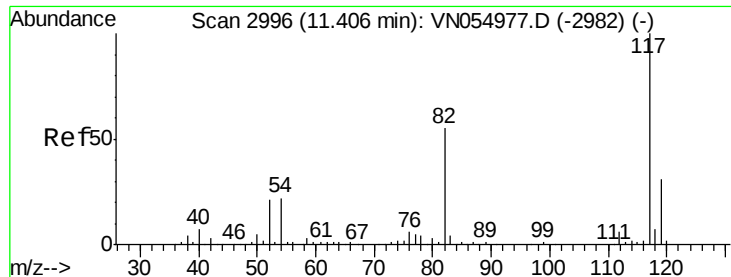
Tot Ion: 69 Resp: 872
Ion Ratio Lower Upper
69 100
41 42.0 37.9 113.7
39 38.7 19.8 59.4



#56
Bromoform
Concen: 0.210 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Tgt Ion: 173 Resp: 467
Ion Ratio Lower Upper
173 100
175 1403.2 38.6 57.8#
254 0.0 6.8 10.2#

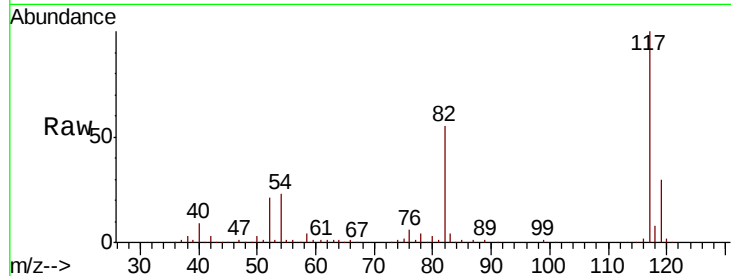




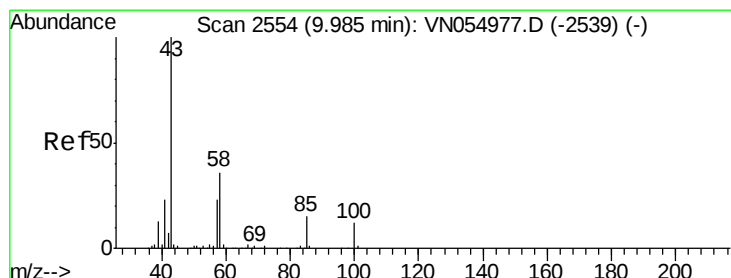
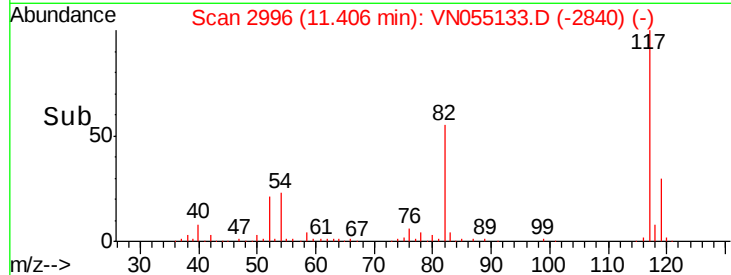
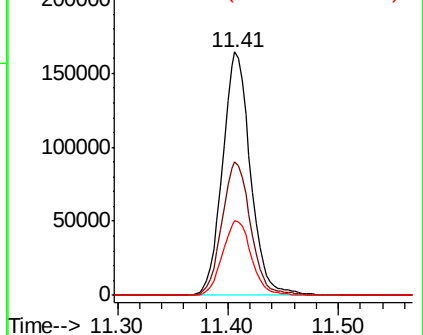
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 288401
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 31.6 25.4 38.2

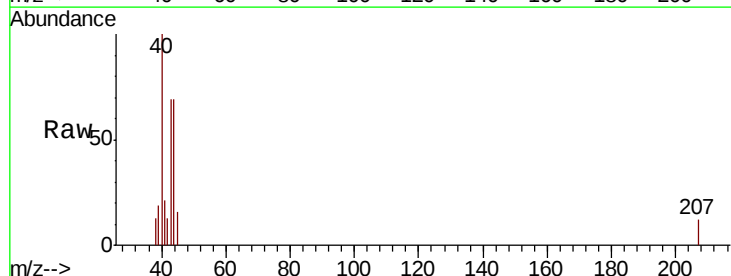


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

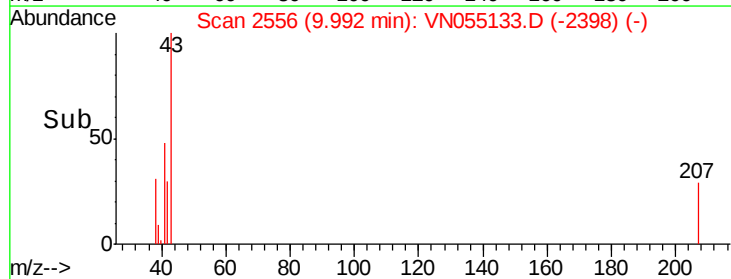
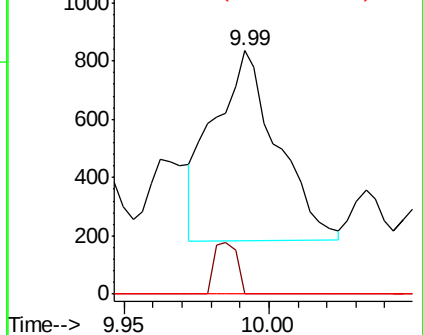


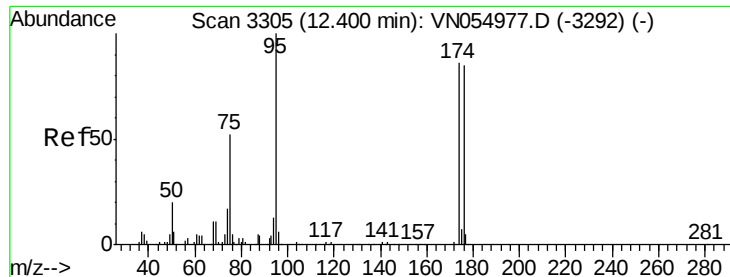
#58
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 9.6 28.7 43.1#
85 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

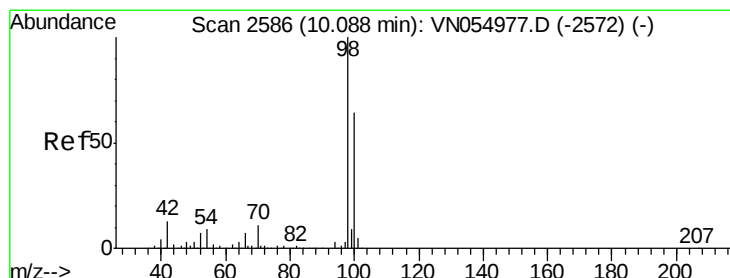
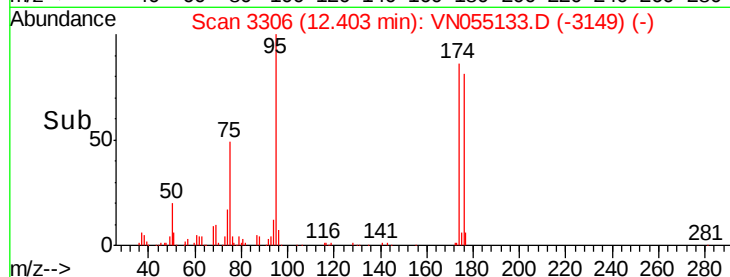
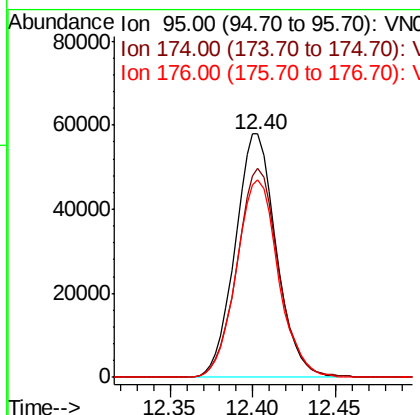
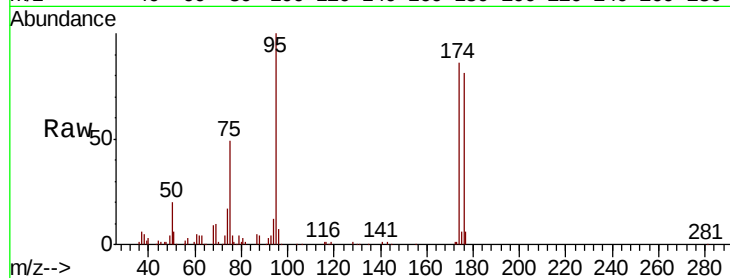




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

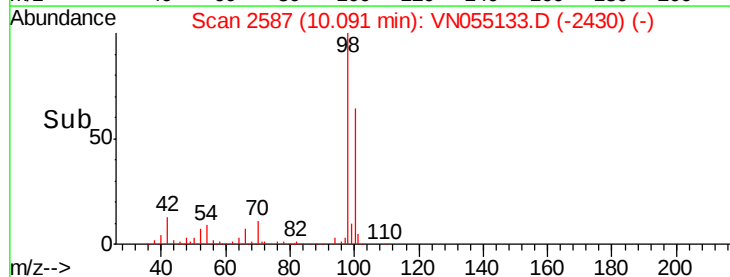
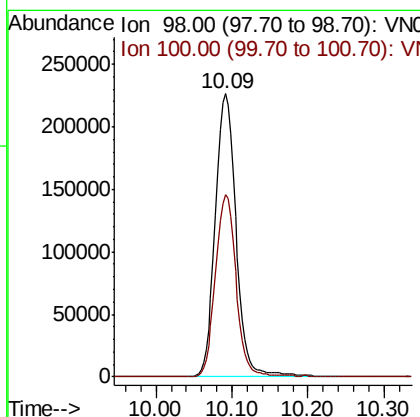
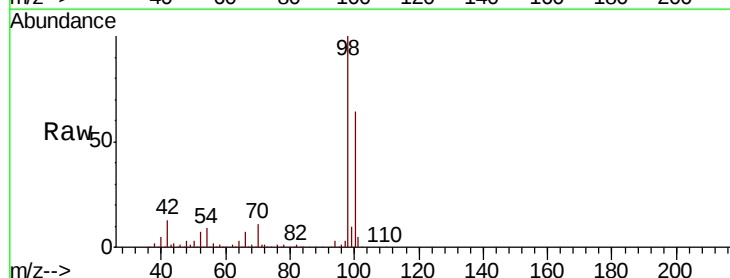
Instrument :
MSVOA_N
ClientSampleId :

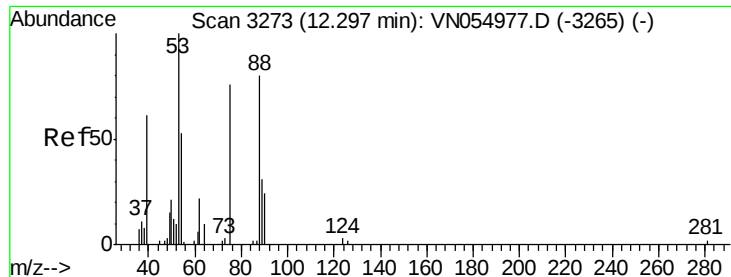
Tot Ion: 95 Resp: 99735
Ion Ratio Lower Upper
95 100
174 86.7 69.4 104.2
176 83.0 67.4 101.2



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Tgt Ion: 98 Resp: 431377
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





#77
t-1,4-Dichloro-2-butene
Concen: 63.381 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055133.D
Acq: 19 Apr 2019 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.3	192.7#
89	0.0	21.6	65.0#

