

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056807.D
 Acq On : 18 Jul 2019 12:05
 Operator : JC/SP
 Sample : K3882-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 U3MW-5S

Quant Time: Jul 19 05:32:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	48938	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	266541	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	212718	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99839	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	74486	22.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.27%
63) Toluene-d8	10.09	98	304172	31.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.33%

Target Compounds

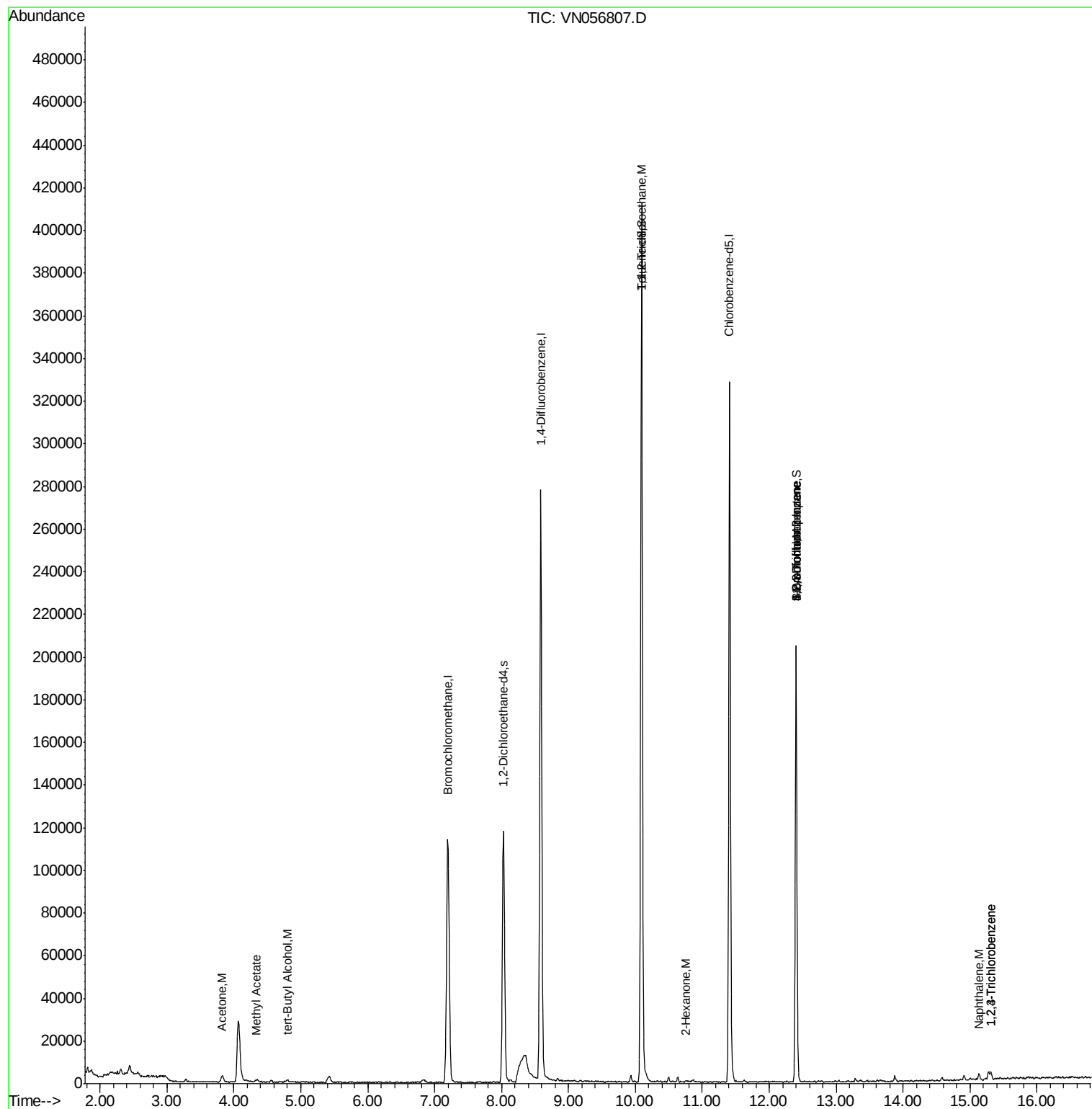
					Ovalue	
12) Methyl Acetate	4.33	43	1340	0.347	ug/l #	50
15) Acetone	3.83	58	1695	2.885	ug/l #	51
23) tert-Butyl Alcohol	4.80	59	713	1.201	ug/l #	100
50) 1,1,2-Trichloroethane	10.10	97	9464	2.919	ug/l #	1
56) Bromoform	12.40	173	615	0.254	ug/l #	1
59) 2-Hexanone	10.75	43	1268	0.417	ug/l #	41
72) 1,2,3-Trichloropropane	12.40	75	34946	9.668	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	34946	29.083	ug/l #	11
89) 1,2,4-Trichlorobenzene	15.32	180	1632	0.532	ug/l	93
91) Naphthalene	15.13	128	3697	0.448	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.32	180	1632	0.507	ug/l	91

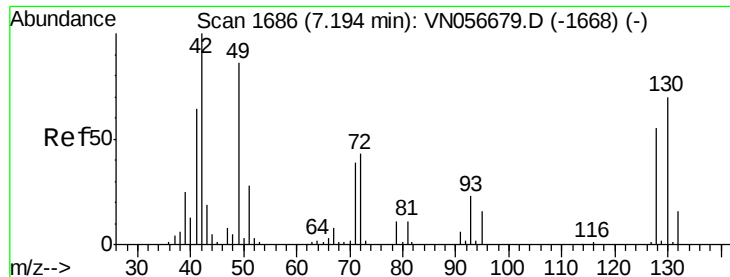
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
U3MW-5S

Quant Time: Jul 19 05:32:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056807.D

Acq: 18 Jul 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

U3MW-5S

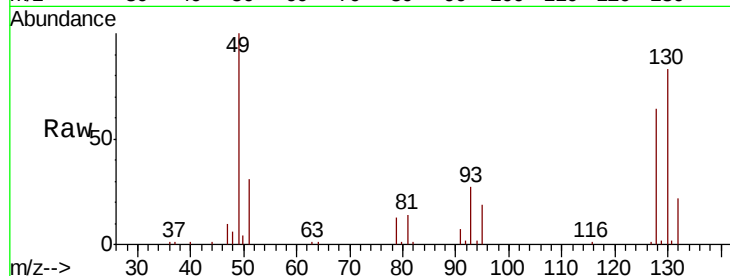
Tot Ion:128 Resp: 48938

Ion Ratio Lower Upper

128 100

49 157.2 0.0 390.5

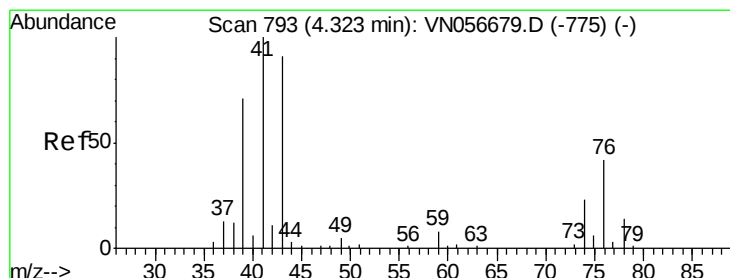
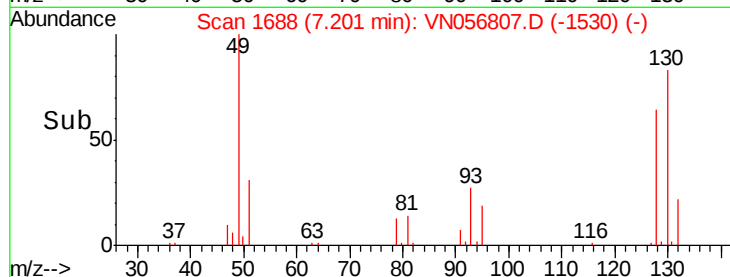
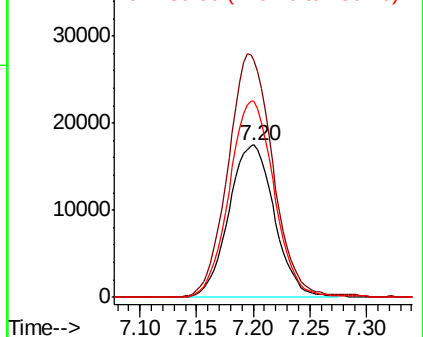
130 126.7 0.0 316.5



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



#12

Methyl Acetate

Concen: 0.347 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056807.D

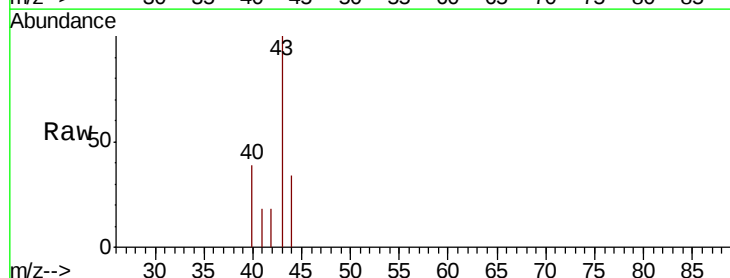
Acq: 18 Jul 2019 12:05

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

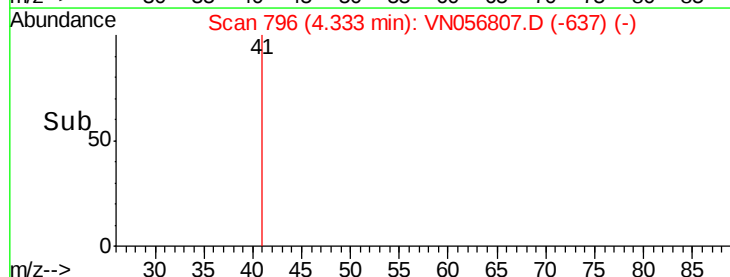
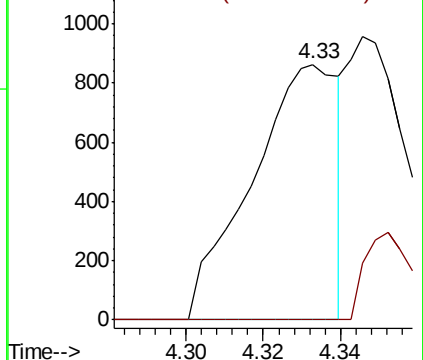
43 100

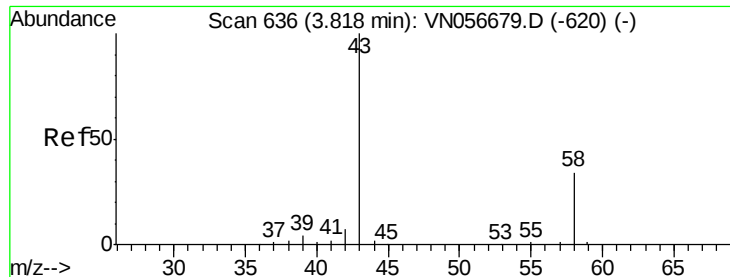
74 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 2.885 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056807.D

Acq: 18 Jul 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

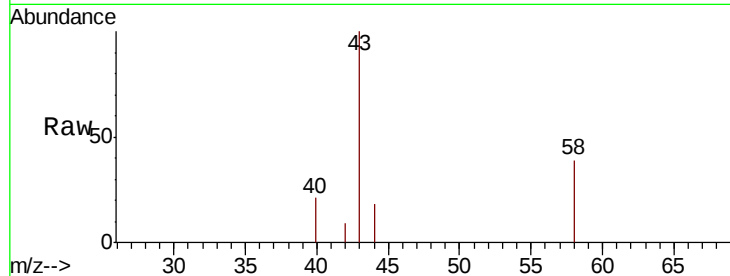
U3MW-5S

Tot Ion: 58 Resp: 1695

Ion Ratio Lower Upper

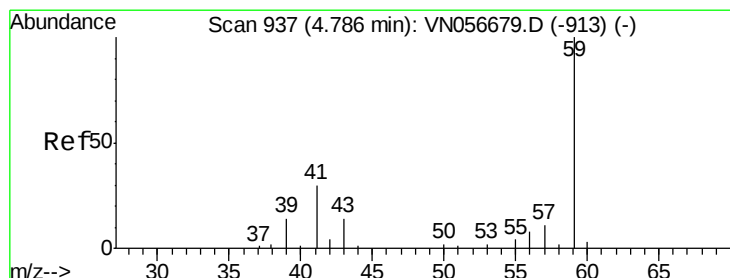
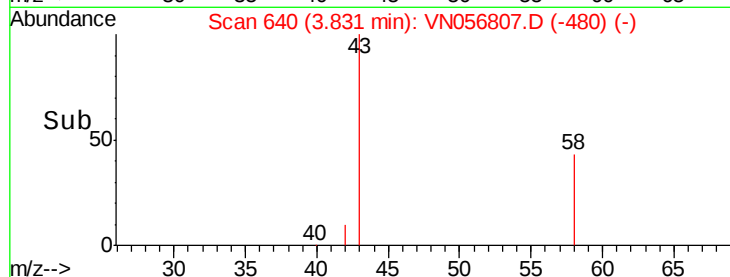
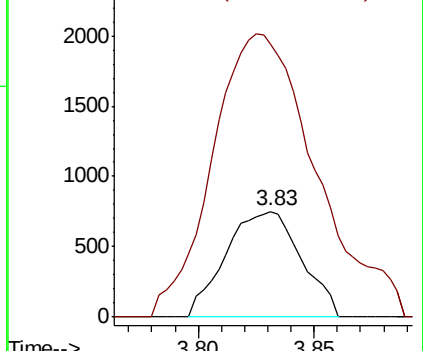
58 100

43 198.0 233.9 350.9#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 1.201 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN056807.D

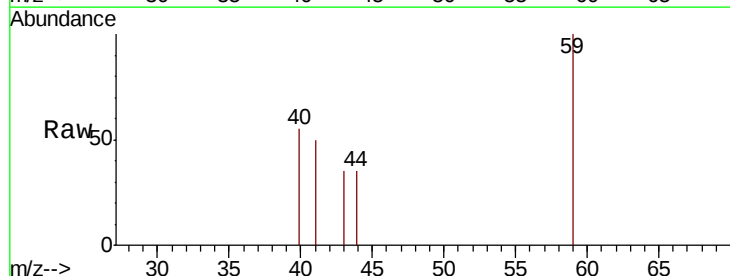
Acq: 18 Jul 2019 12:05

Tgt Ion: 59 Resp: 713

Ion Ratio Lower Upper

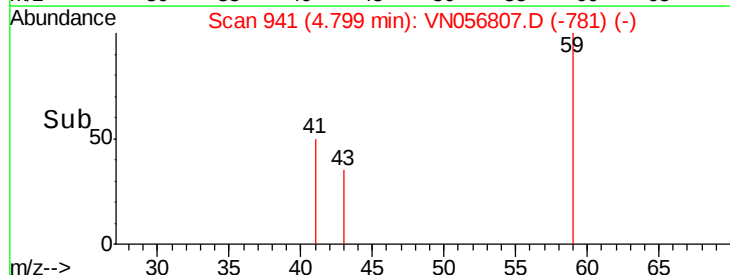
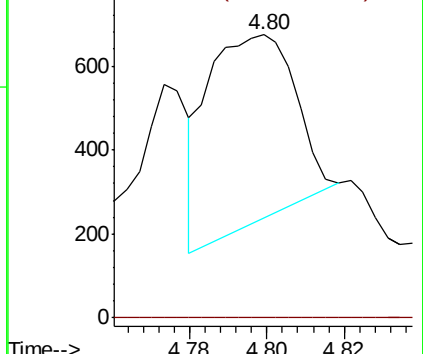
59 100

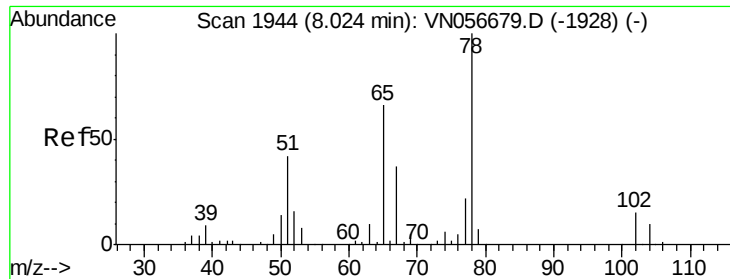
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

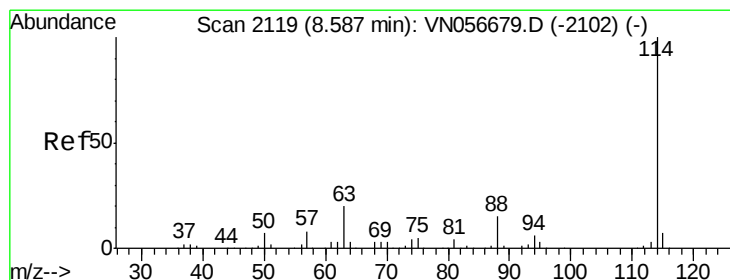
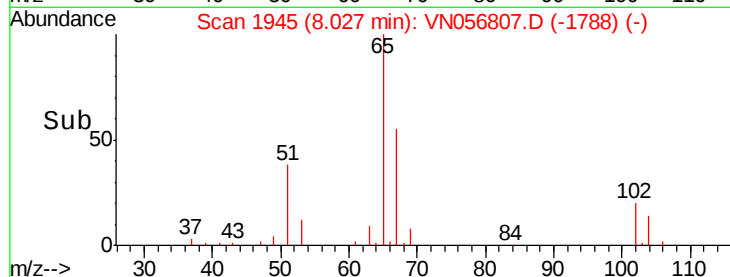
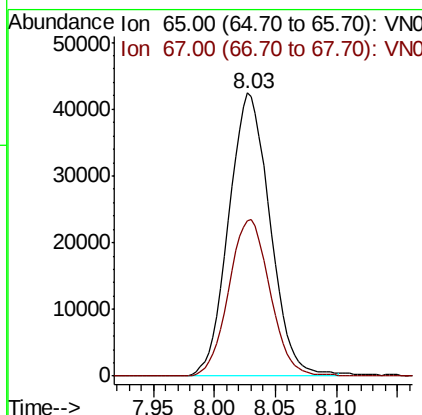
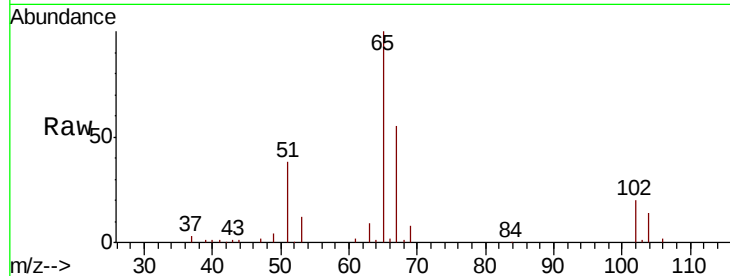




#27
 1,2-Dichloroethane-d4
 Concen: 30.118 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056807.D
 Acq: 18 Jul 2019 12:05

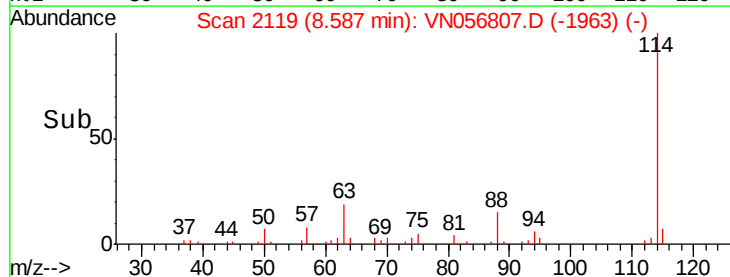
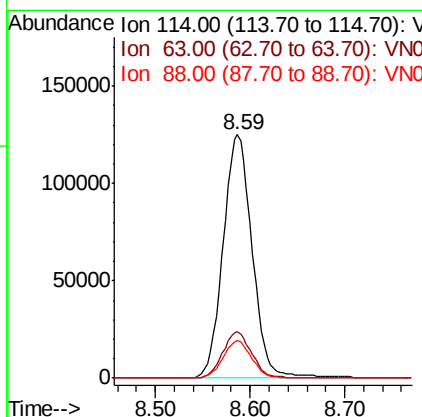
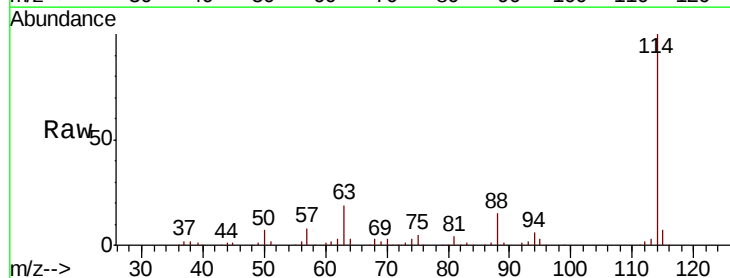
Instrument :
 MSVOA_N
 ClientSampleId :
 U3MW-5S

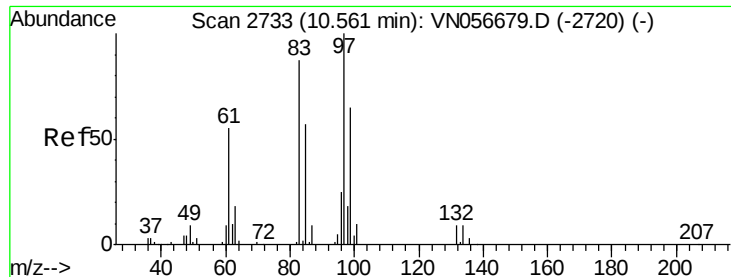
Tot Ion: 65 Resp: 99839
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056807.D
 Acq: 18 Jul 2019 12:05

Tgt Ion: 114 Resp: 266541
 Ion Ratio Lower Upper
 114 100
 63 18.8 16.2 24.2
 88 15.1 12.3 18.5

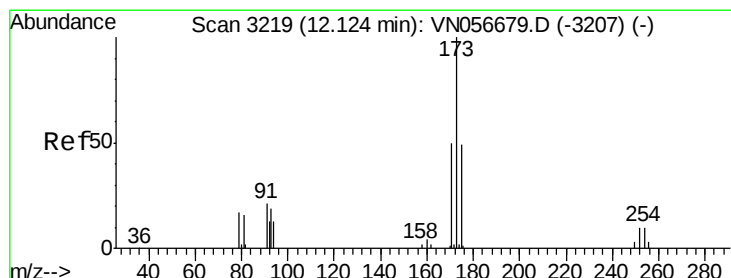
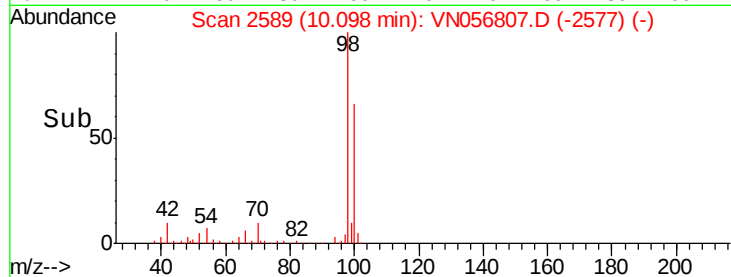
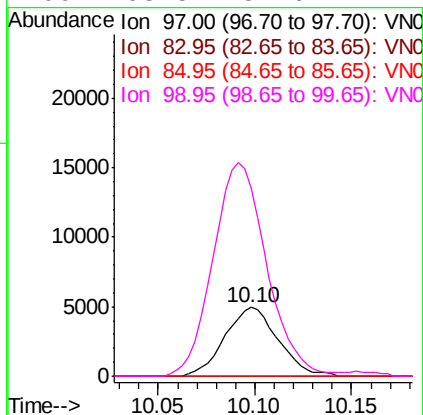
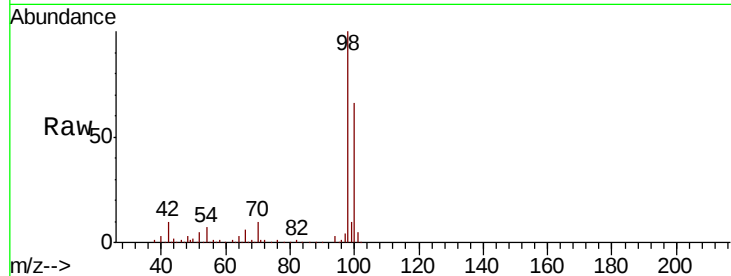




#50
1,1,2-Trichloroethane
Concen: 2.919 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN056807.D
Acq: 18 Jul 2019 12:05

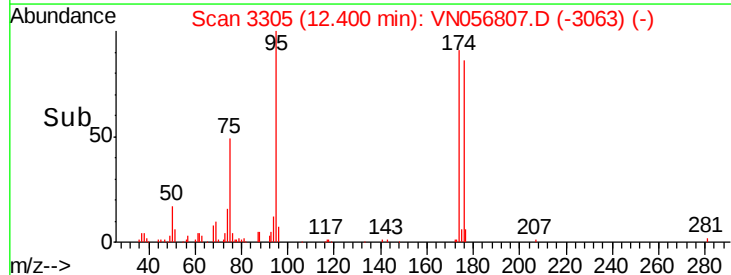
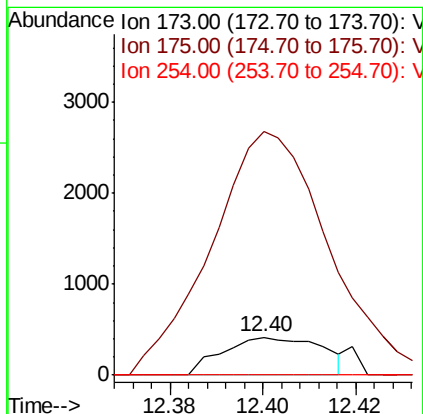
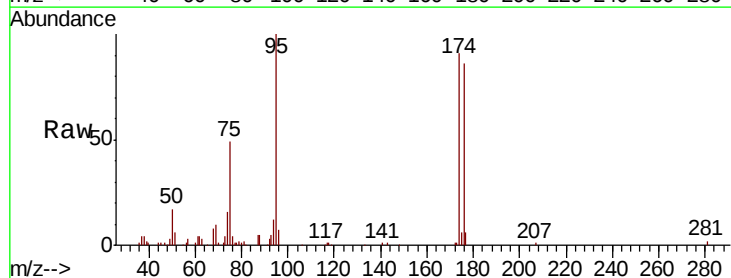
Instrument :
MSVOA_N
ClientSampleId :
U3MW-5S

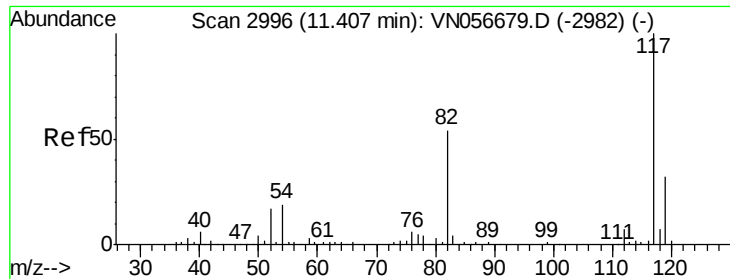
Tot Ion	97	Resp	9464
Ion Ratio	Lower	Upper	
97	100		
83	0.0	69.2	103.8#
85	0.0	45.3	67.9#
99	268.5	51.6	77.4#



#56
Bromoform
Concen: 0.254 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056807.D
Acq: 18 Jul 2019 12:05

Tgt Ion	173	Resp	615
Ion Ratio	Lower	Upper	
173	100		
175	763.7	39.7	59.5#
254	0.0	7.8	11.8#

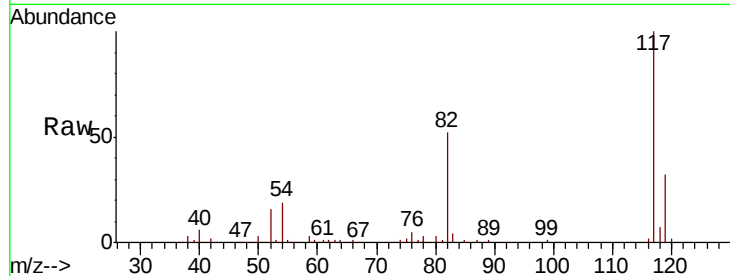




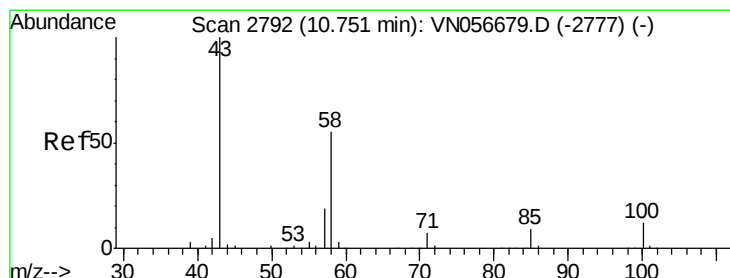
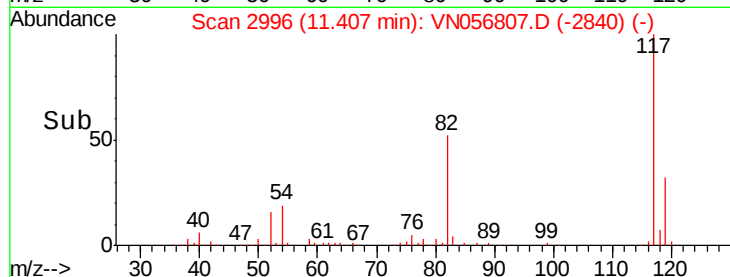
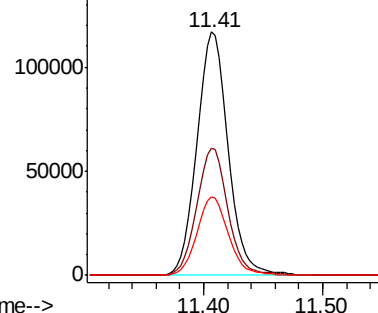
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056807.D
Acq: 18 Jul 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
U3MW-5S

Tot Ion:117 Resp: 212718
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 32.4 26.0 39.0

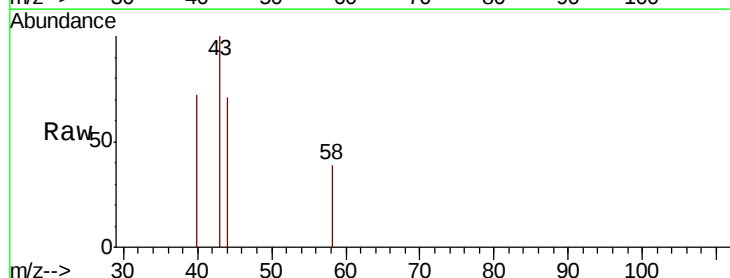


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

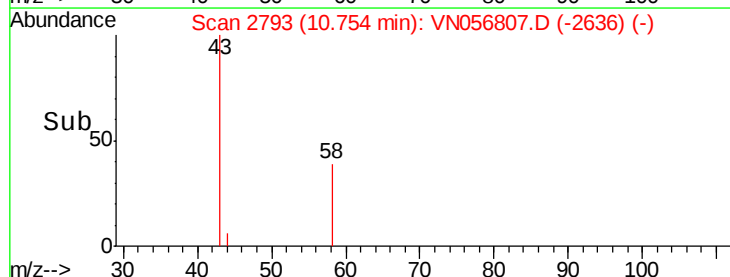
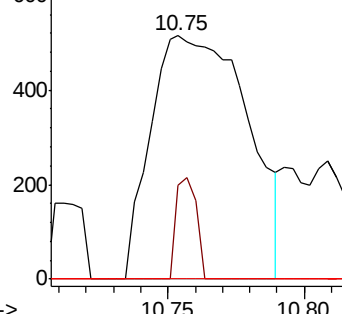


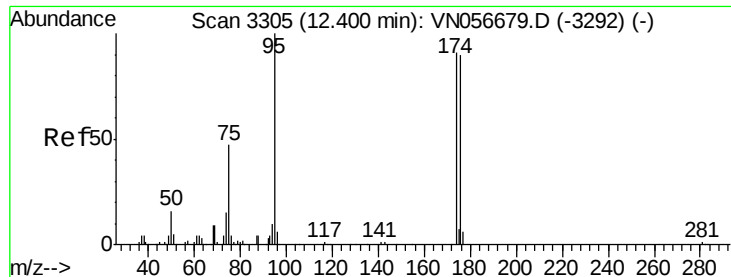
#59
2-Hexanone
Concen: 0.417 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056807.D
Acq: 18 Jul 2019 12:05

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
58 8.8 44.4 66.6#
57 0.0 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 57.00 (56.70 to 57.70): VN





#60

4-Bromofluorobenzene

Concen: 22.880 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056807.D

Acq: 18 Jul 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

U3MW-5S

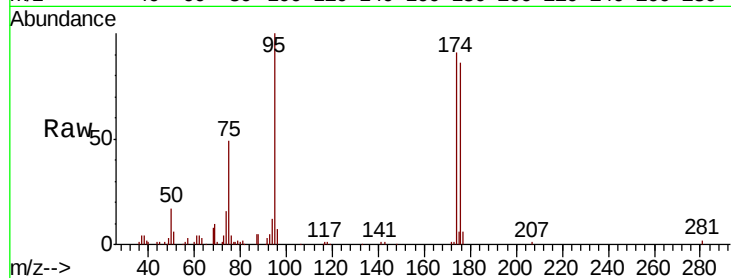
Tot Ion: 95 Resp: 74486

Ion Ratio Lower Upper

95 100

174 90.7 72.6 108.8

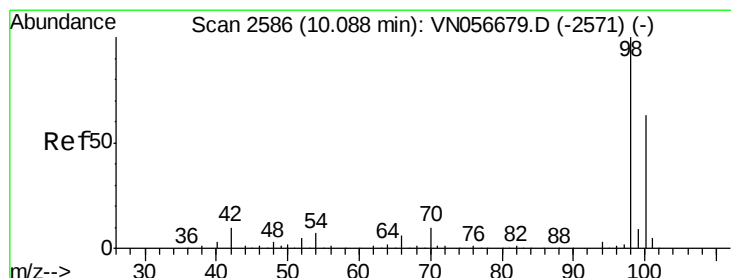
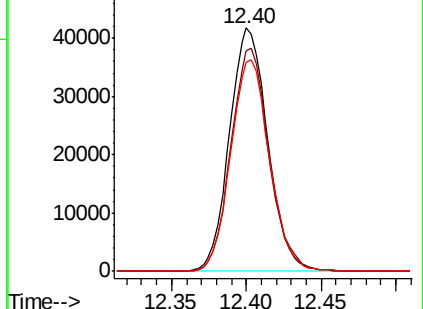
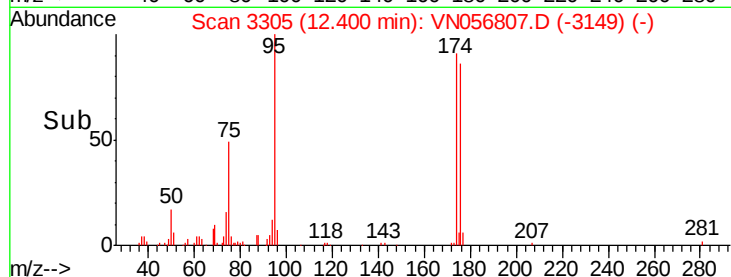
176 88.0 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN056807.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN056807.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN056807.D (-3149) (-)



#63

Toluene-d8

Concen: 31.296 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056807.D

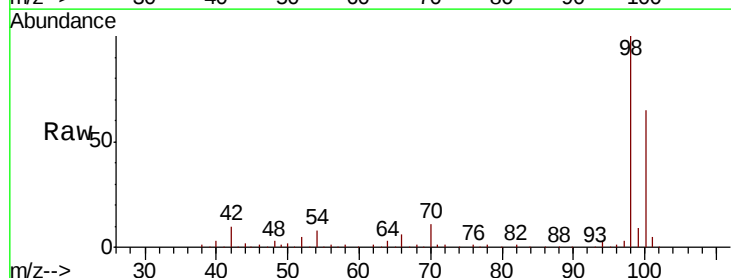
Acq: 18 Jul 2019 12:05

Tgt Ion: 98 Resp: 304172

Ion Ratio Lower Upper

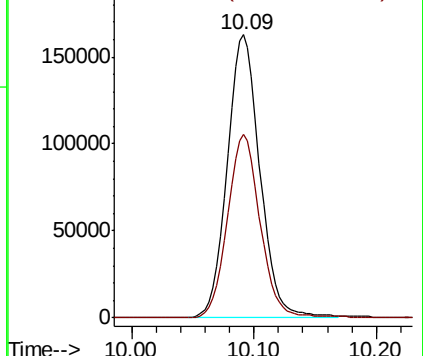
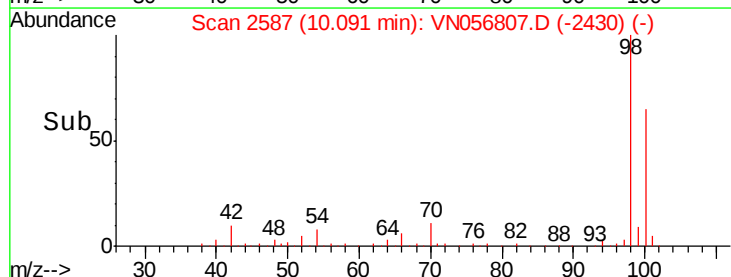
98 100

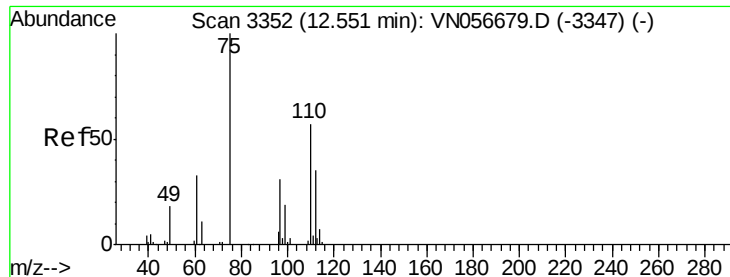
100 64.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056807.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN056807.D (-2430) (-)





#72

1,2,3-Trichloropropane

Concen: 9.668 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056807.D

Acq: 18 Jul 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

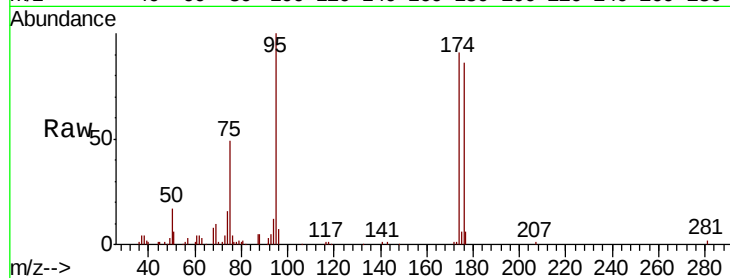
U3MW-5S

Tot Ion: 75 Resp: 34946

Ion Ratio Lower Upper

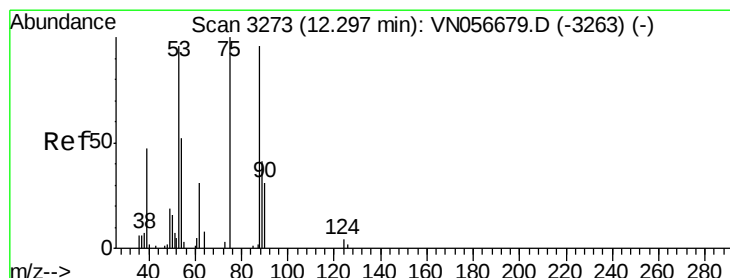
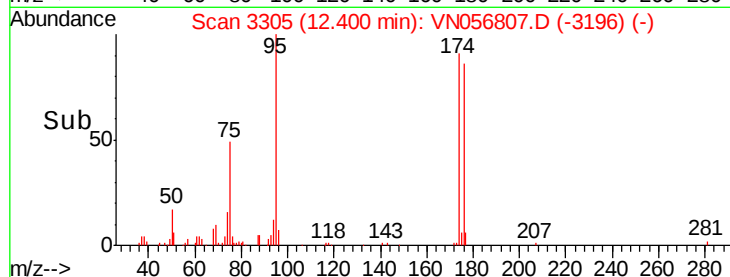
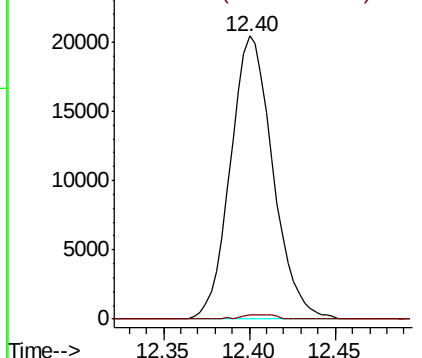
75 100

77 1.1 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO



#77

t-1,4-Dichloro-2-butene

Concen: 29.083 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056807.D

Acq: 18 Jul 2019 12:05

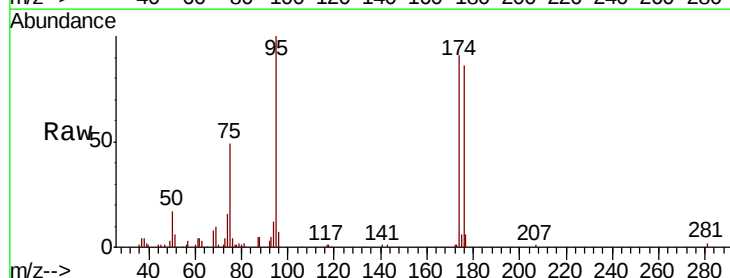
Tgt Ion: 75 Resp: 34946

Ion Ratio Lower Upper

75 100

53 0.0 48.6 145.8#

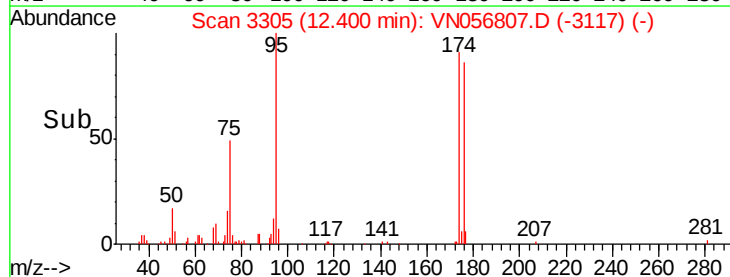
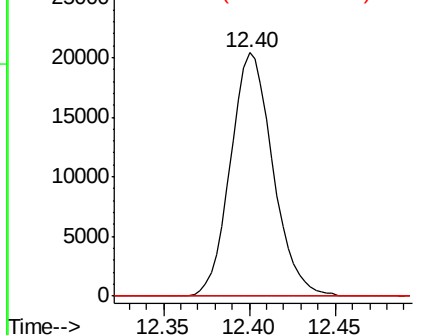
89 0.0 21.3 64.0#

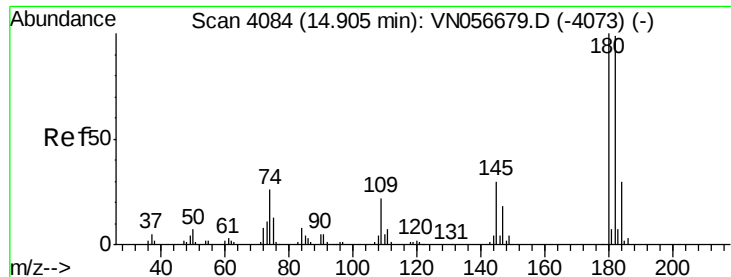


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

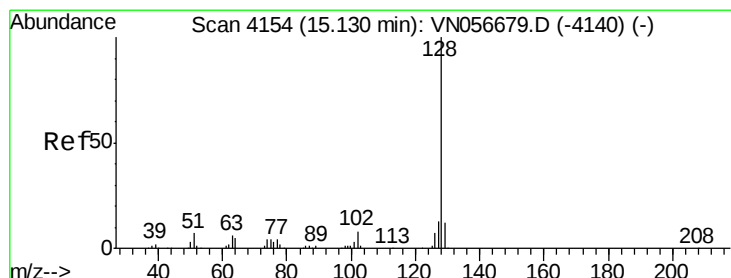
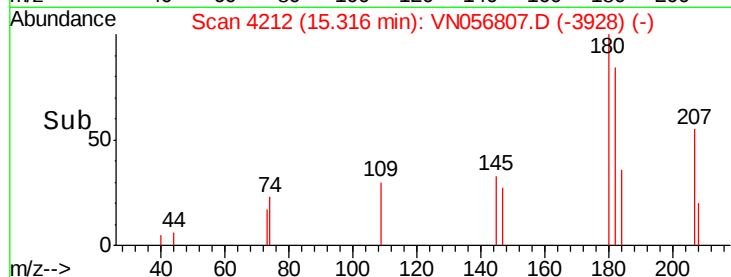
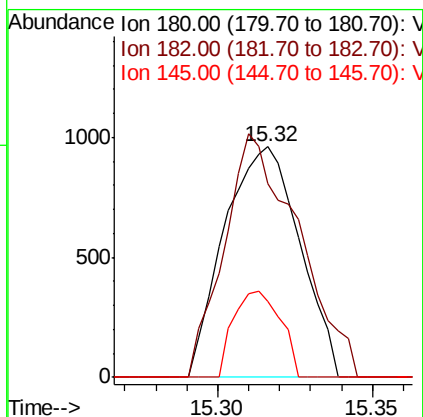
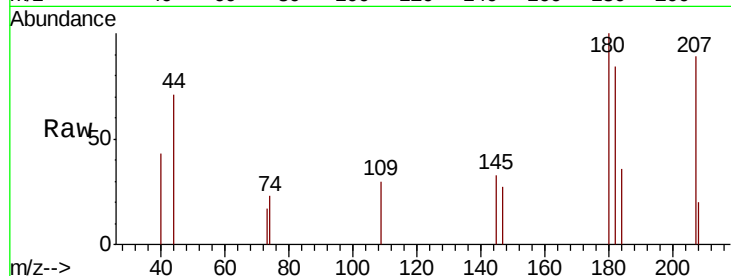




#89
 1,2,4-Trichlorobenzene
 Concen: 0.532 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.41 min
 Lab File: VN056807.D
 Acq: 18 Jul 2019 12:05

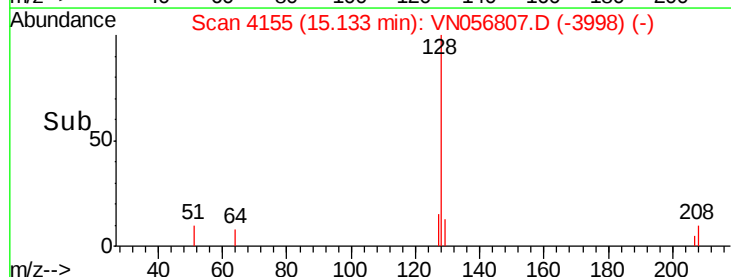
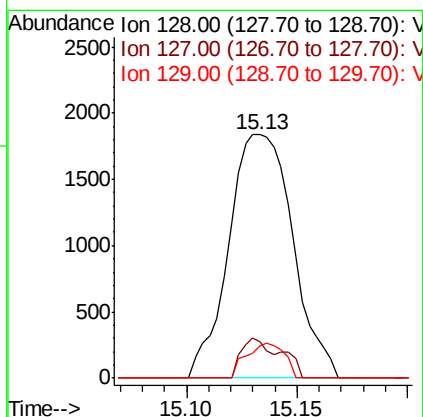
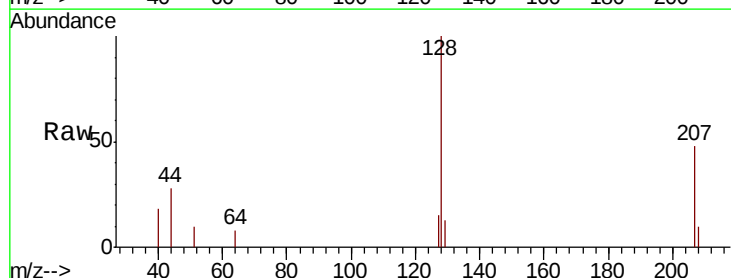
Instrument :
 MSVOA_N
 ClientSampled :
 U3MW-5S

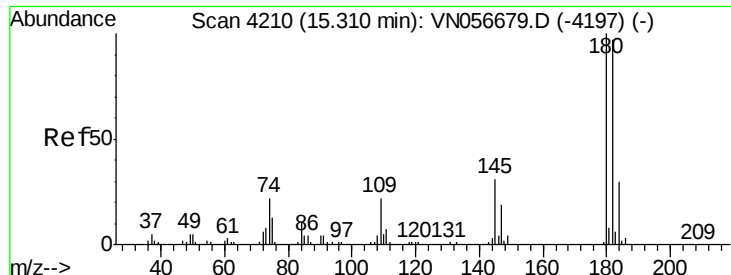
Tot Ion:180 Resp: 1632
 Ion Ratio Lower Upper
 180 100
 182 103.6 78.2 117.4
 145 23.3 23.2 34.8



#91
 Naphthalene
 Concen: 0.448 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056807.D
 Acq: 18 Jul 2019 12:05

Tgt Ion:128 Resp: 3697
 Ion Ratio Lower Upper
 128 100
 127 7.3 10.4 15.6#
 129 8.5 8.8 13.2#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.507 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN056807.D
 Acq: 18 Jul 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 U3MW-5S

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.6	0.0	192.4
145	23.3	0.0	60.4

