

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056693.D
 Acq On : 12 Jul 2019 17:27
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:11:51 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	46862	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	246161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	196331	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	95069	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.40	95	71890	23.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.77%
63) Toluene-d8	10.09	98	285667	31.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.13%

Target Compounds

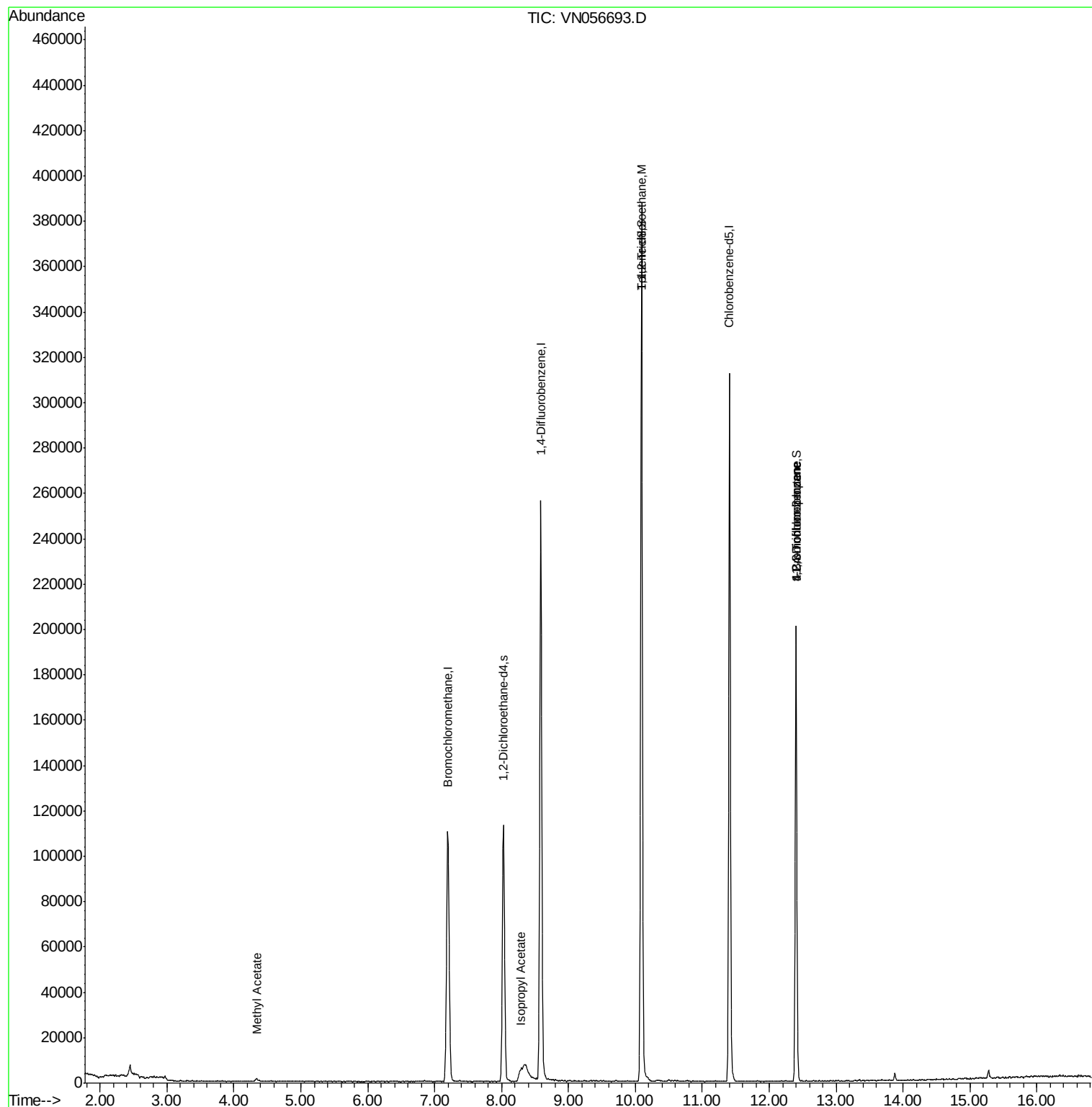
					Ovalue	
12) Methyl Acetate	4.34	43	2204	0.596	ug/l #	86
44) Isopropyl Acetate	8.27	43	3028	0.474	ug/l #	47
50) 1,1,2-Trichloroethane	10.10	97	8763	2.926	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	33087	9.917	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	33087	29.834	ug/l #	11

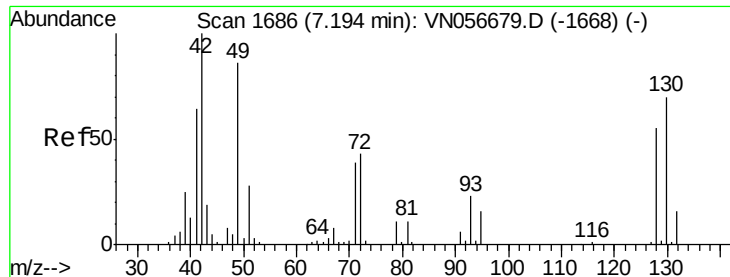
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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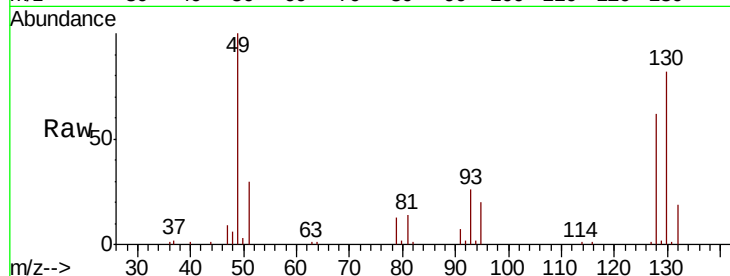




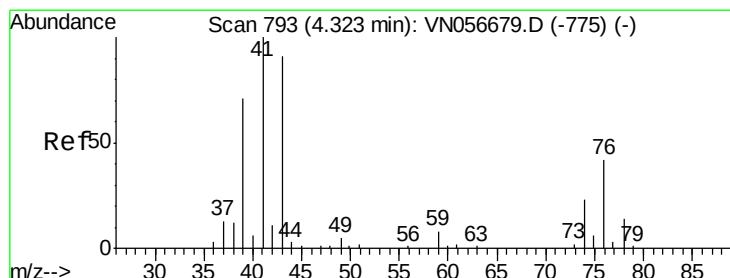
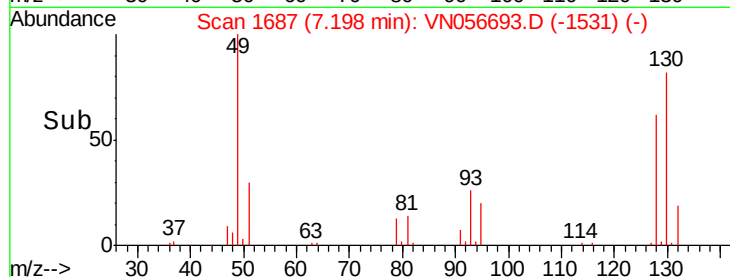
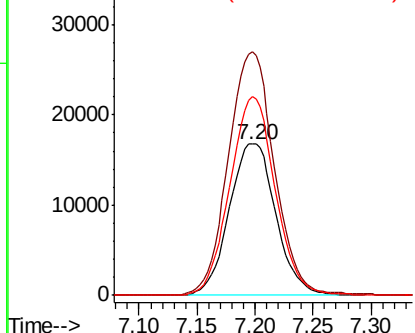
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056693.D
Acq: 12 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 46862
Ion Ratio Lower Upper
128 100
49 158.3 0.0 390.5
130 127.4 0.0 316.5

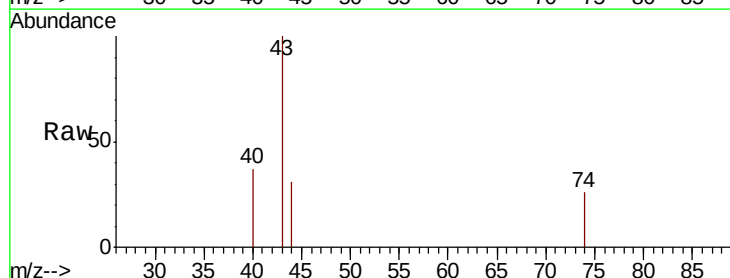


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

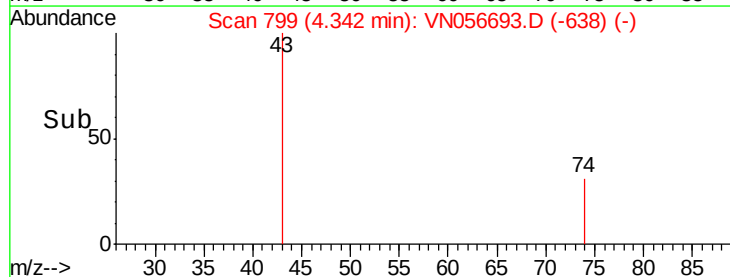
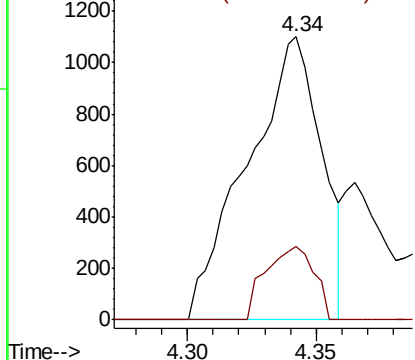


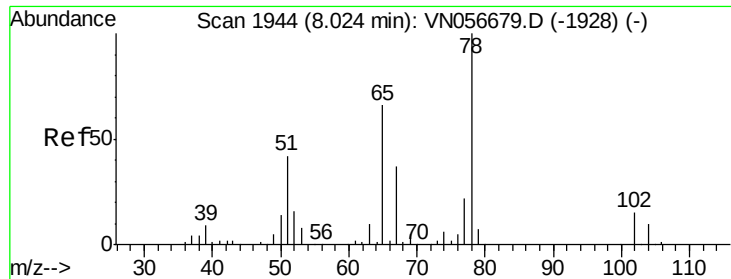
#12
Methyl Acetate
Concen: 0.596 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN056693.D
Acq: 12 Jul 2019 17:27

Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
74 32.6 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN

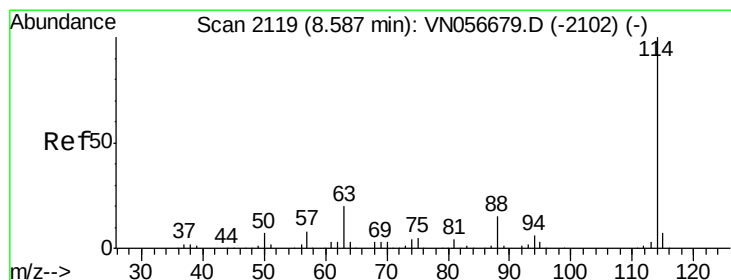
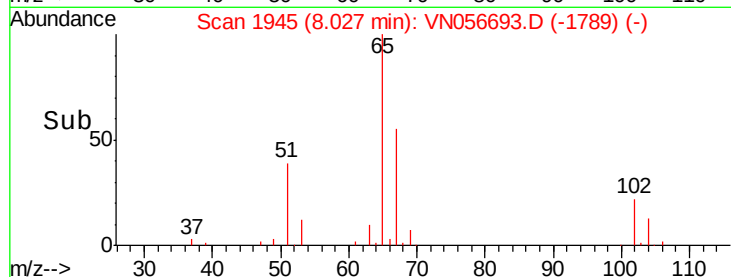
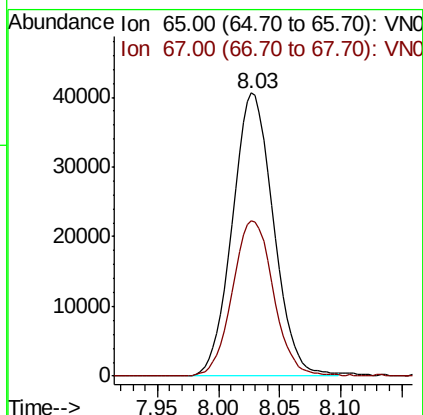
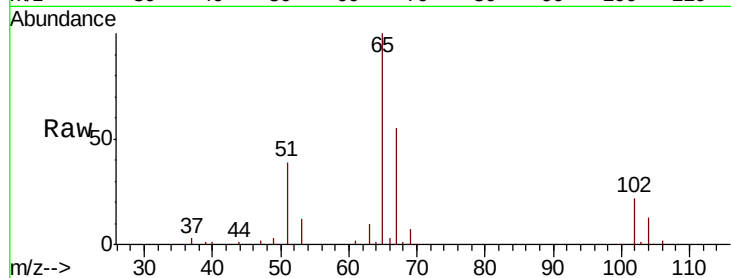




#27
 1,2-Dichloroethane-d4
 Concen: 29.949 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056693.D
 Acq: 12 Jul 2019 17:27

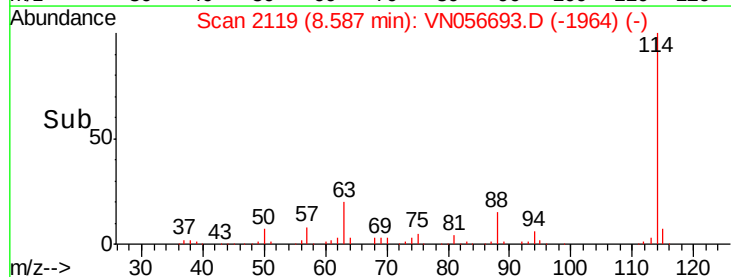
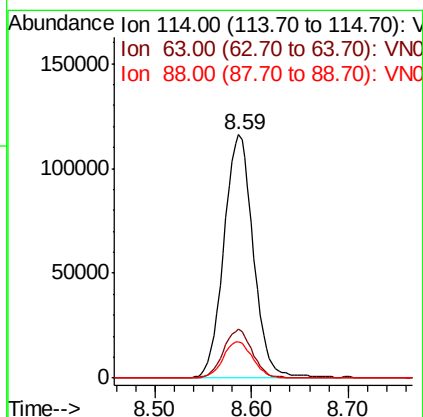
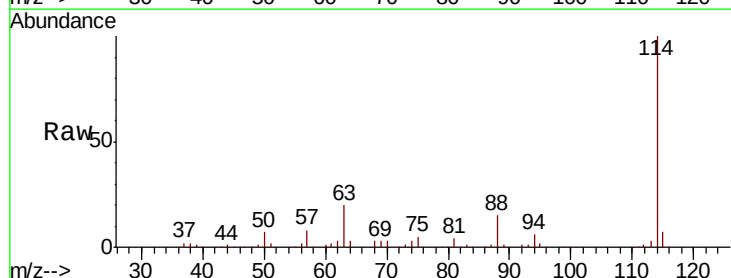
Instrument :
 MSVOA_N
 ClientSampleId :

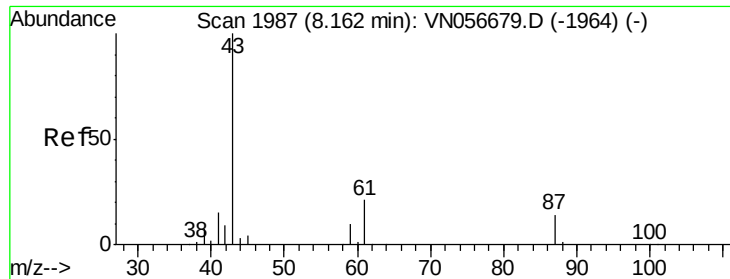
Tot Ion: 65 Resp: 95069
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056693.D
 Acq: 12 Jul 2019 17:27

Tgt Ion: 114 Resp: 246161
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.0 12.3 18.5





#44

Isopropyl Acetate

Concen: 0.474 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN056693.D

Acq: 12 Jul 2019 17:27

Instrument :

MSVOA_N

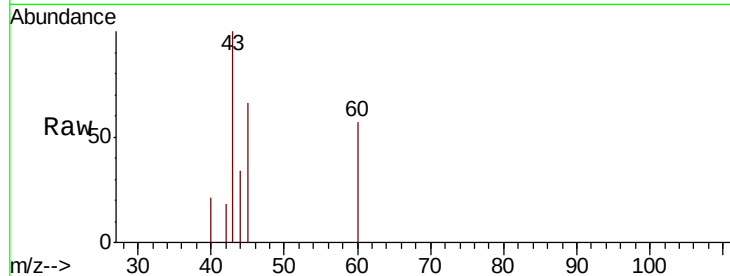
ClientSampleId :

Tot Ion: 43 Resp: 3028

Ion Ratio Lower Upper

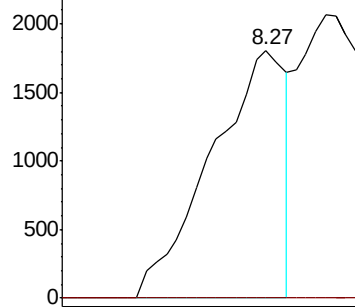
43 100

61 0.0 22.6 33.8#

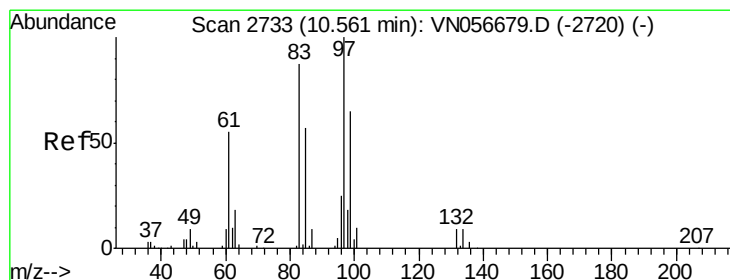
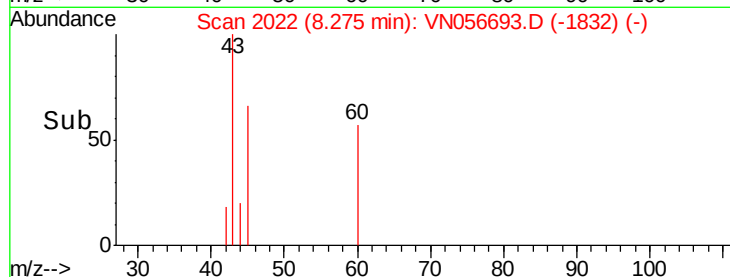


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#50

1,1,2-Trichloroethane

Concen: 2.926 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.46 min

Lab File: VN056693.D

Acq: 12 Jul 2019 17:27

Tgt Ion: 97 Resp: 8763

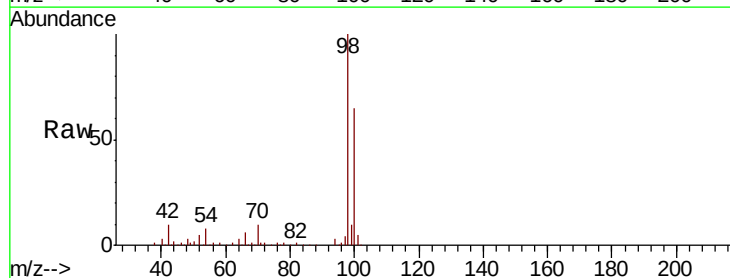
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 45.3 67.9#

99 257.2 51.6 77.4#

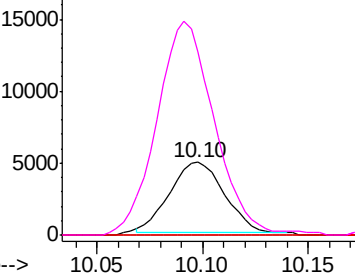


Abundance Ion 97.00 (96.70 to 97.70): VN0

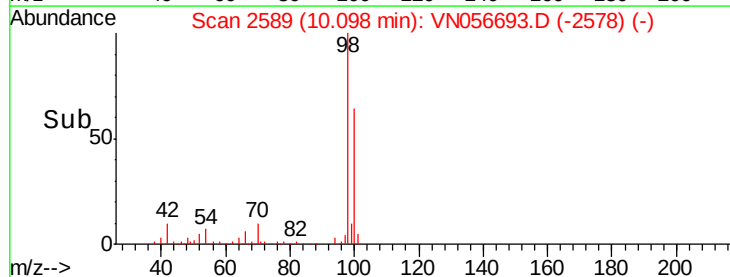
Ion 82.95 (82.65 to 83.65): VN0

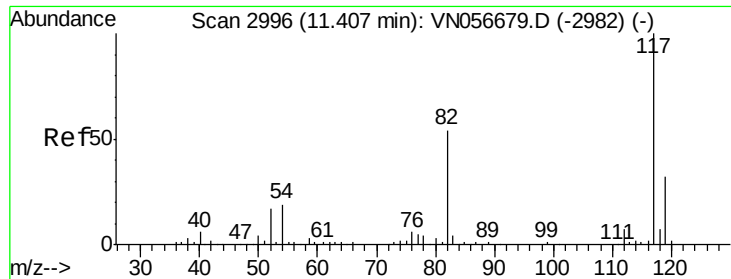
Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



Time-->

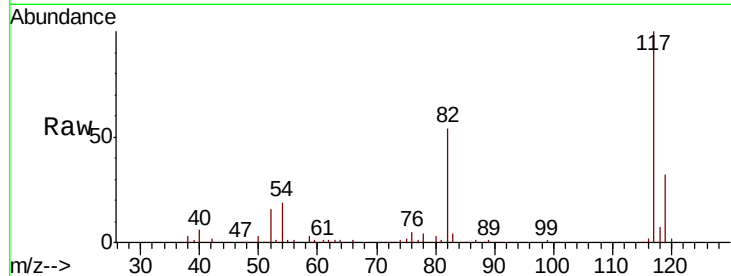




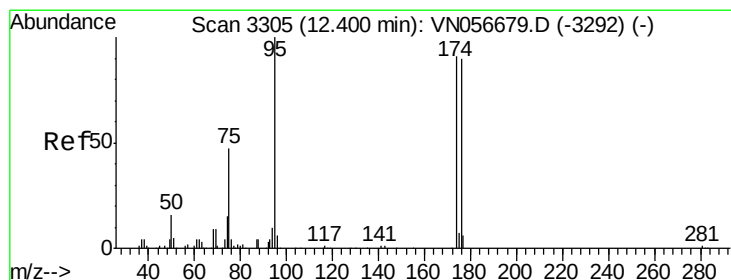
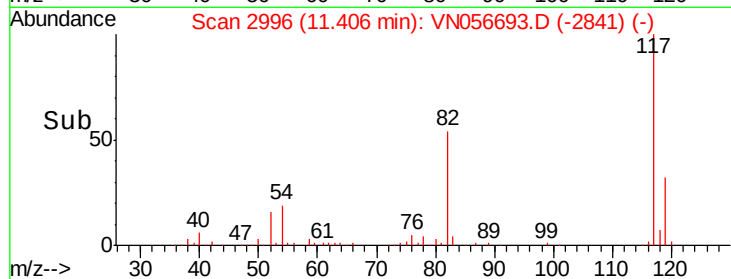
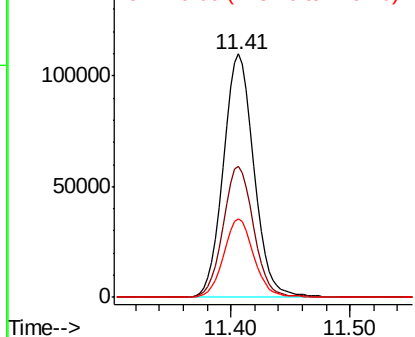
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056693.D
Acq: 12 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 196331
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.8 26.0 39.0

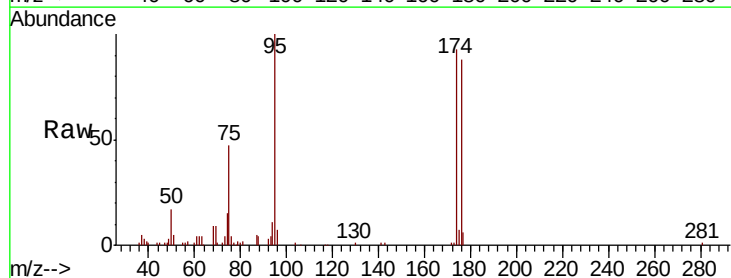


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

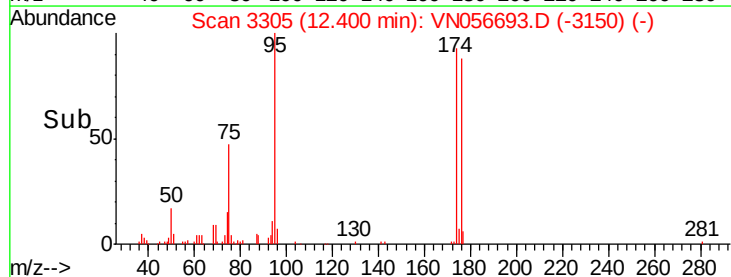
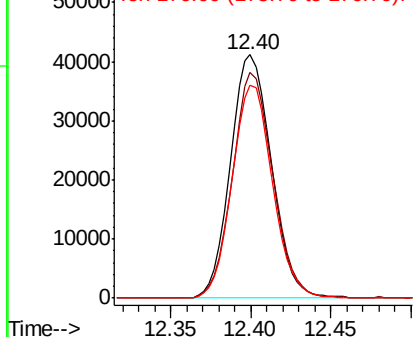


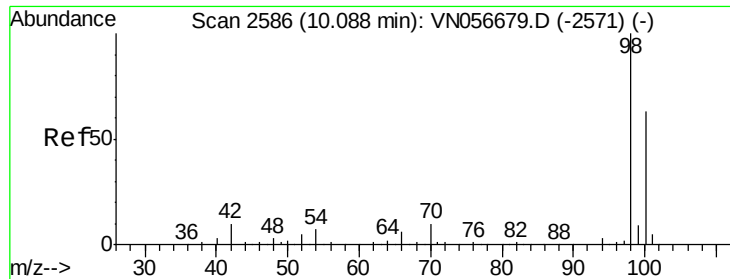
#60
4-Bromofluorobenzene
Concen: 23.926 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056693.D
Acq: 12 Jul 2019 17:27

Tgt Ion: 95 Resp: 71890
Ion Ratio Lower Upper
95 100
174 91.3 72.6 108.8
176 86.3 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 31.845 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056693.D

Acq: 12 Jul 2019 17:27

Instrument :

MSVOA_N

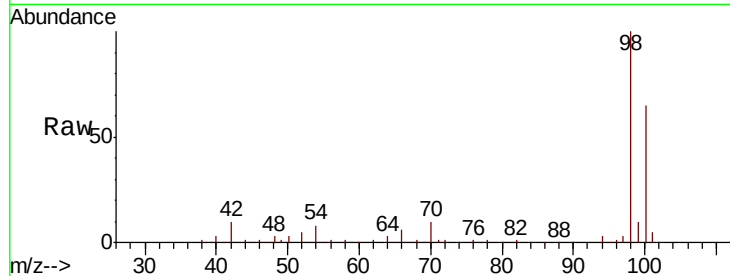
ClientSampleId :

Tot Ion: 98 Resp: 285667

Ion Ratio Lower Upper

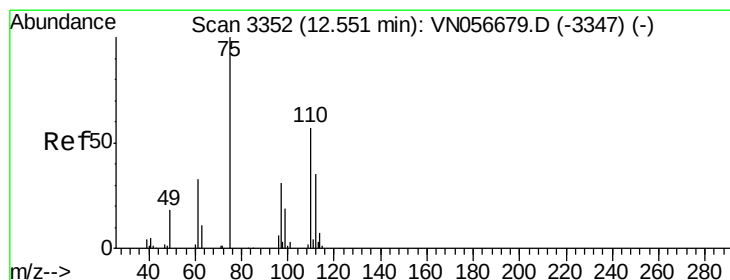
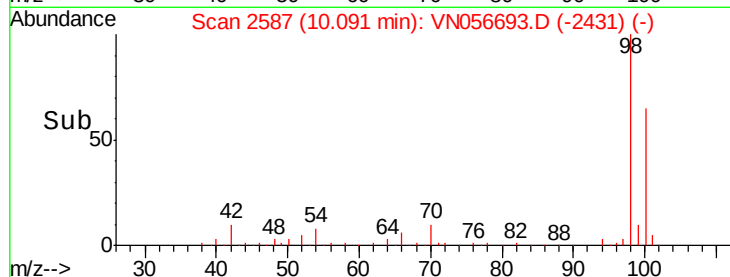
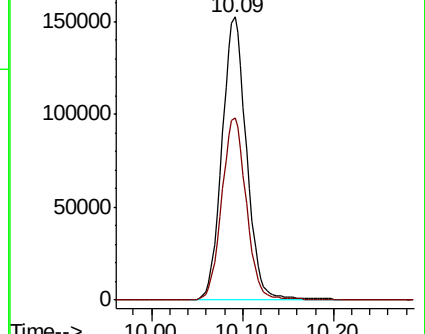
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#72

1,2,3-Trichloropropane

Concen: 9.917 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056693.D

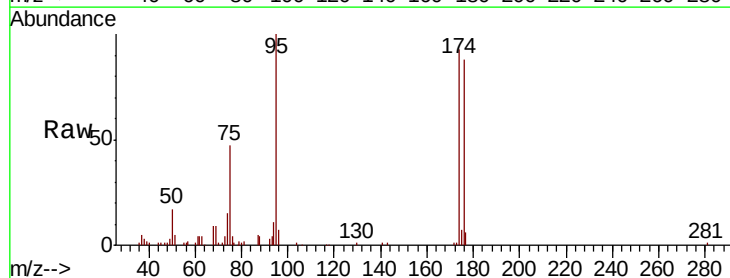
Acq: 12 Jul 2019 17:27

Tgt Ion: 75 Resp: 33087

Ion Ratio Lower Upper

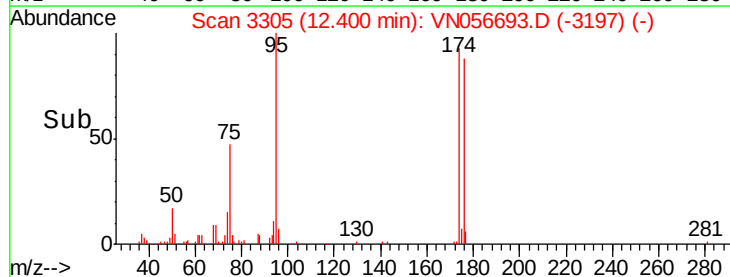
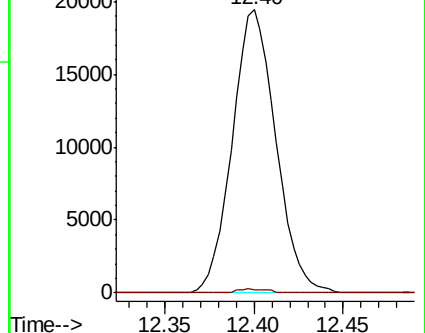
75 100

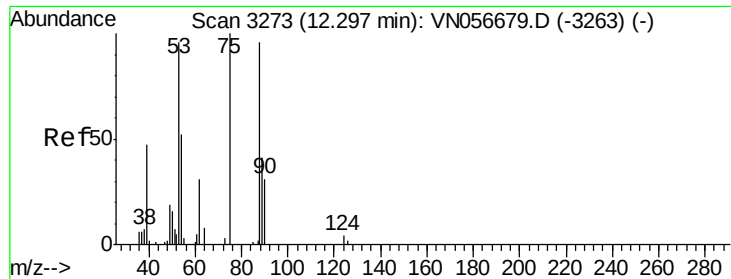
77 0.9 0.0 352.2



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: 29.834 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056693.D
Acq: 12 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 33087
Ion Ratio Lower Upper
75 100
53 0.0 48.6 145.8#
89 0.0 21.3 64.0#

