

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056896.D
 Acq On : 24 Jul 2019 00:18
 Operator : JC/SP
 Sample : K3969-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 03:50:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	54826	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	280841	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	222356	30.00	ug/l	0.00

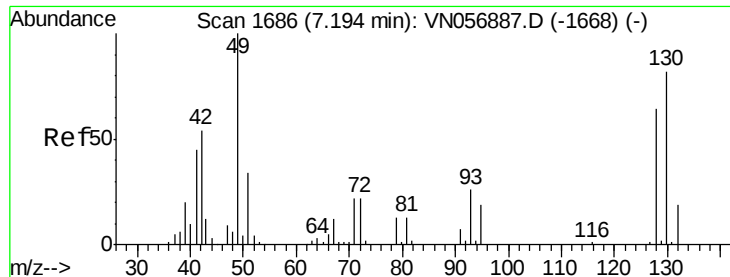
System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106644	29.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.07%
60) 4-Bromofluorobenzene	12.40	95	71924	21.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	71.93%
63) Toluene-d8	10.09	98	332073	31.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.40%

Target Compounds

					Ovalue
3) Chloromethane	2.06	50	1300	0.325 ug/l	97
5) Bromomethane	2.58	94	631	0.266 ug/l	82
12) Methyl Acetate	4.33	43	1801	0.503 ug/l #	89
15) Acetone	3.81	58	256	0.717 ug/l #	22
44) Isopropyl Acetate	8.29	43	4582	0.837 ug/l #	48
51) Ethyl methacrylate	10.09	69	973	0.228 ug/l	76
56) Bromoform	12.40	173	639	0.301 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	33168	10.941 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	33168	34.845 ug/l #	11
91) Naphthalene	15.12	128	139	7.707 ug/l #	69

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056896.D

Acq: 24 Jul 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :

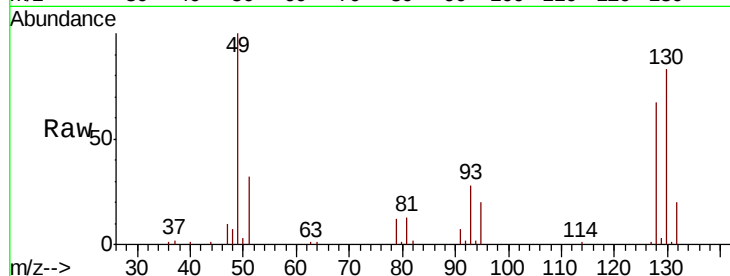
Tot Ion:128 Resp: 54826

Ion Ratio Lower Upper

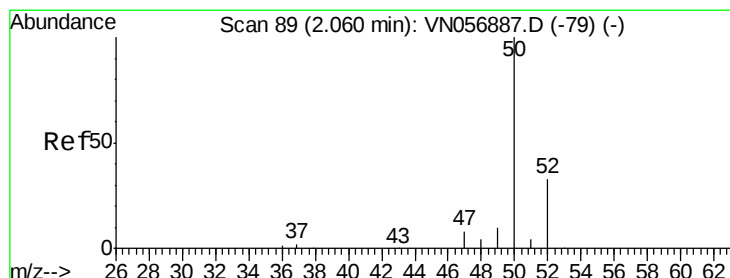
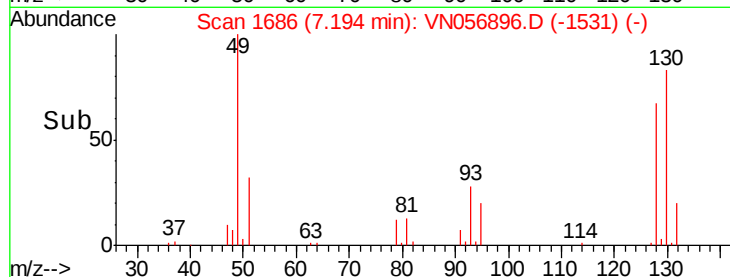
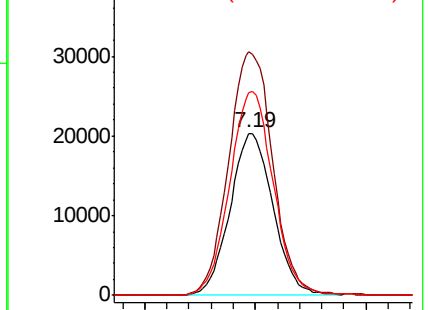
128 100

49 154.2 0.0 385.8

130 127.8 0.0 322.5



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



#3

Chloromethane

Concen: 0.325 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056896.D

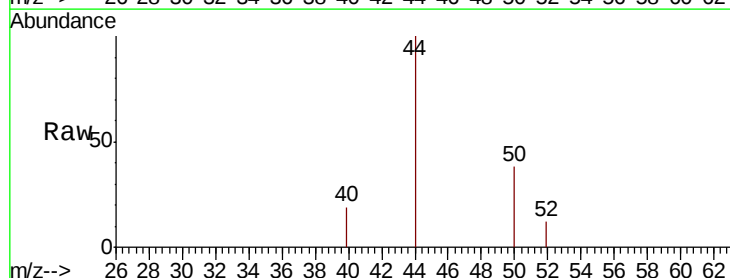
Acq: 24 Jul 2019 00:18

Tgt Ion: 50 Resp: 1300

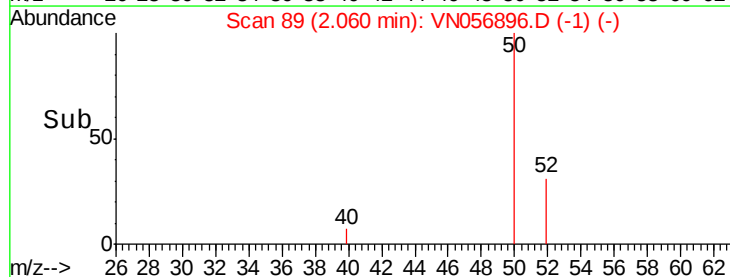
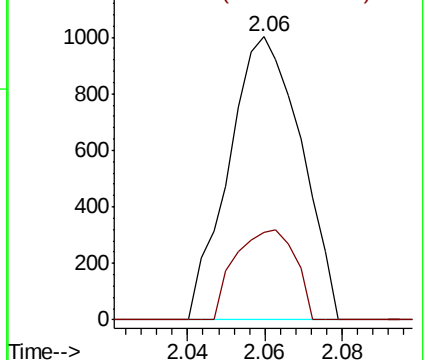
Ion Ratio Lower Upper

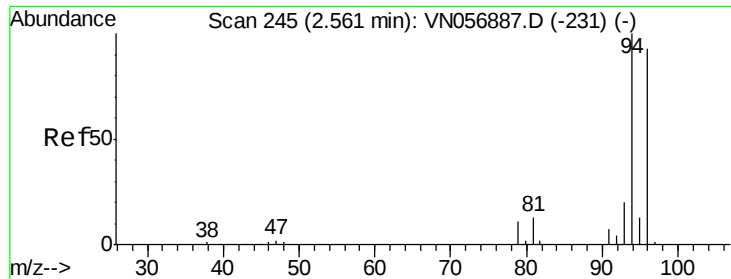
50 100

52 31.1 26.2 39.2



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

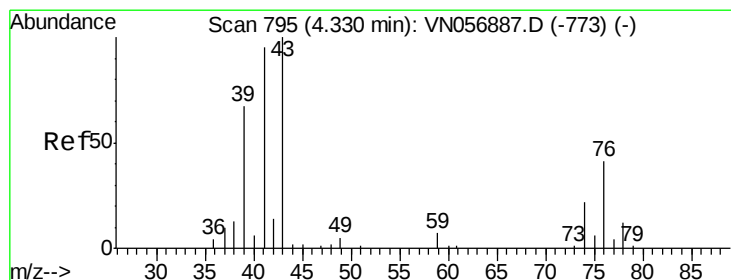
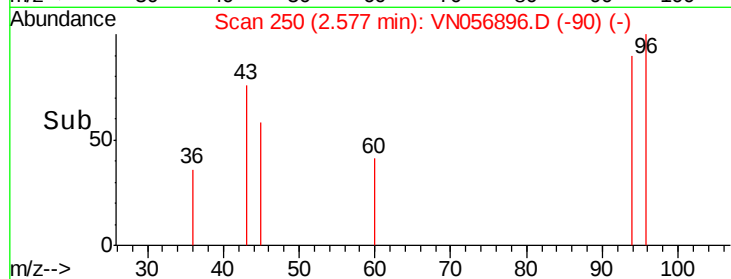
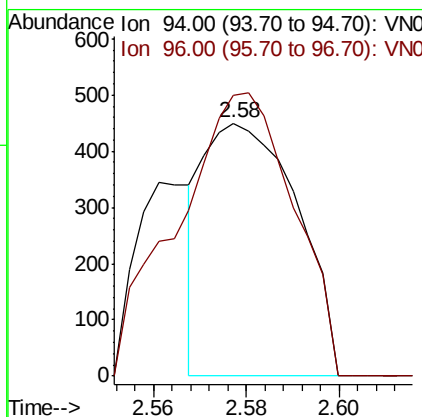
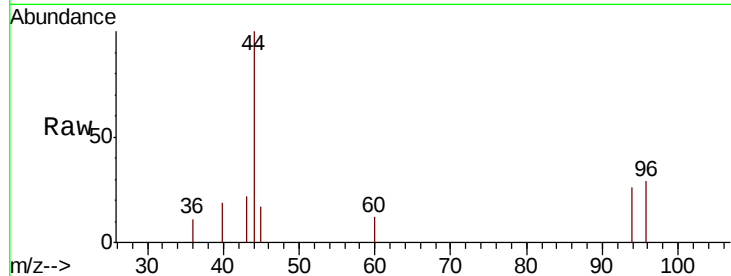




#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.02 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

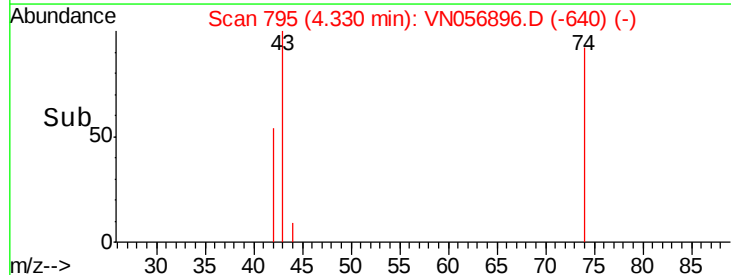
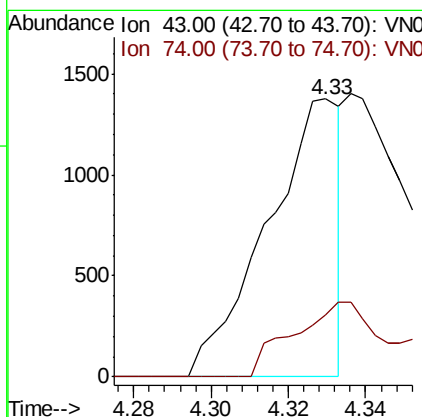
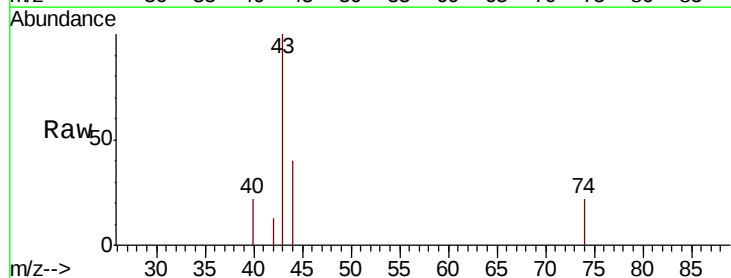
Instrument :
MSVOA_N
ClientSampled :

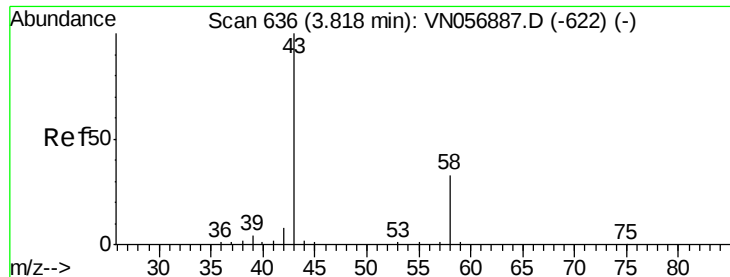
Tot Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 111.1 74.7 112.1



#12
Methyl Acetate
Concen: 0.503 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
74 17.4 18.1 27.1#





#15

Acetone

Concen: 0.717 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN056896.D

Acq: 24 Jul 2019 00:18

Instrument :

MSVOA_N

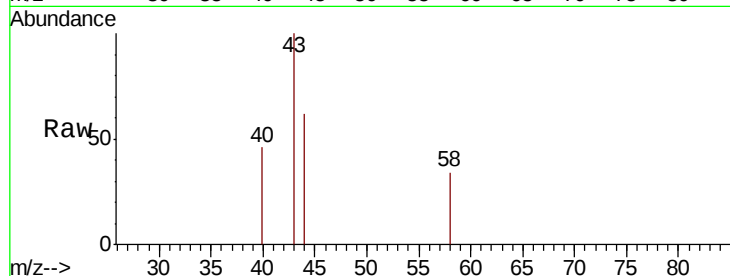
ClientSampled :

Tot Ion: 58 Resp: 256

Ion Ratio Lower Upper

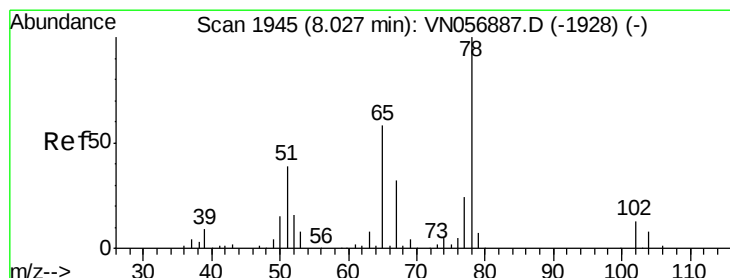
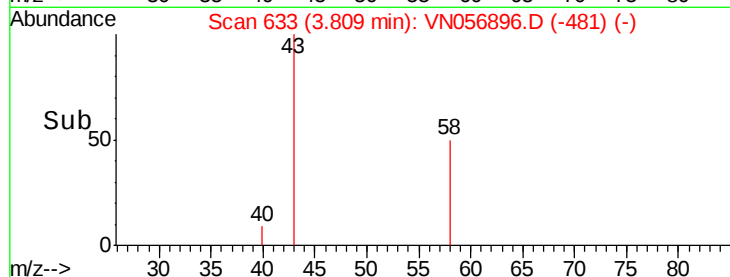
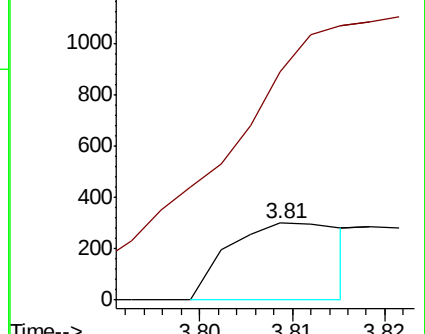
58 100

43 148.8 242.4 363.6#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 29.722 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056896.D

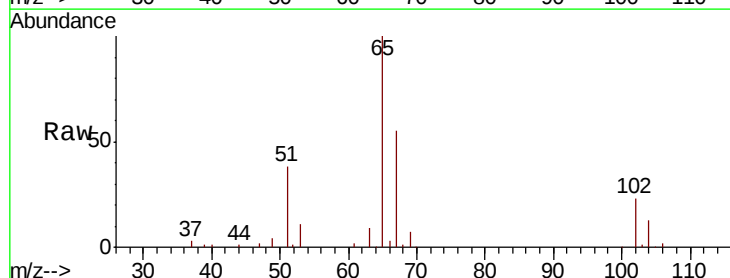
Acq: 24 Jul 2019 00:18

Tgt Ion: 65 Resp: 106644

Ion Ratio Lower Upper

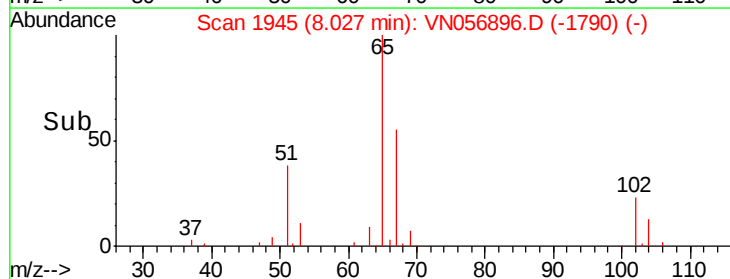
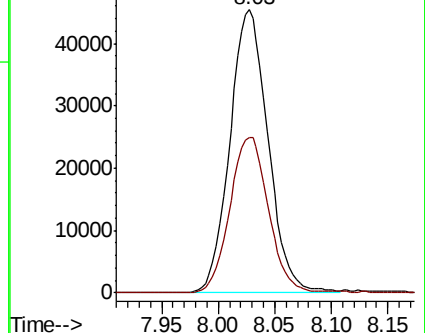
65 100

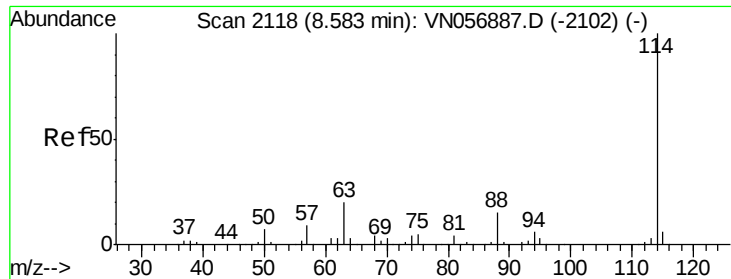
67 55.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

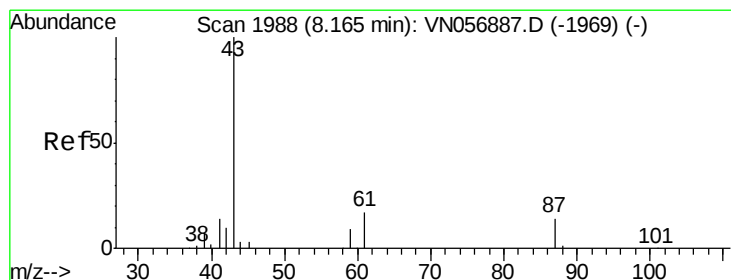
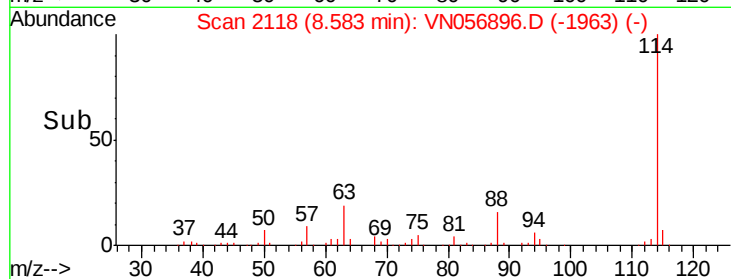
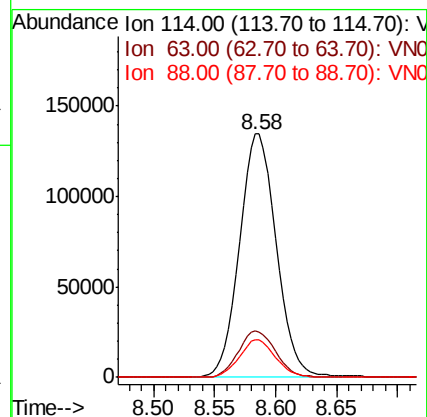
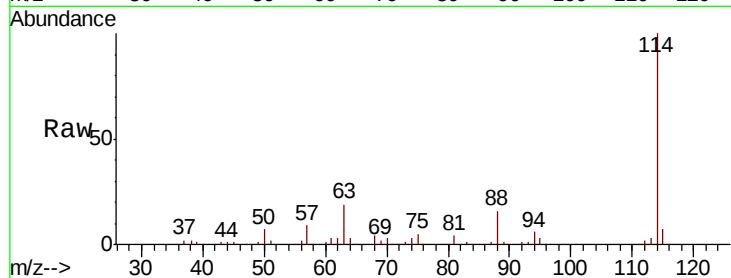




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056896.D
 Acq: 24 Jul 2019 00:18

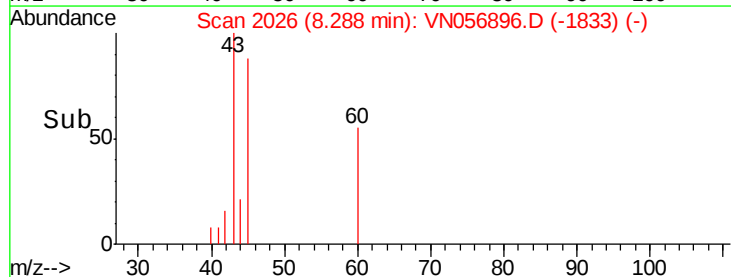
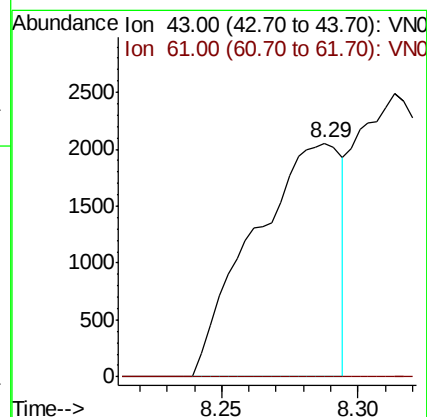
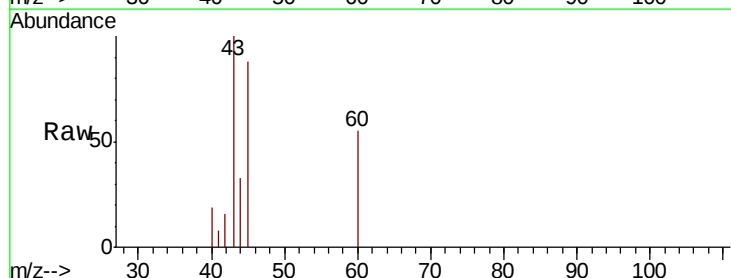
Instrument :
 MSVOA_N
 ClientSampleId :

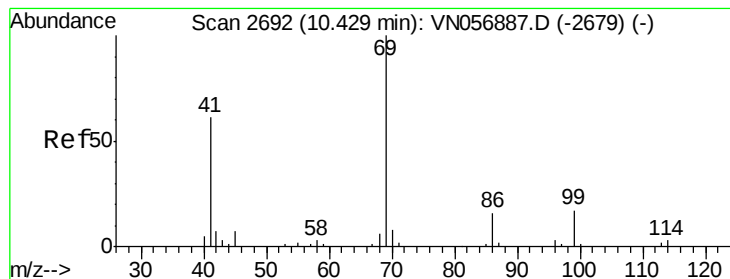
Tot Ion:114 Resp: 280841
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.8 23.6
 88 15.2 12.5 18.7



#44
 Isopropyl Acetate
 Concen: 0.837 ug/l
 RT: 8.29 min Scan# 2026
 Delta R.T. 0.12 min
 Lab File: VN056896.D
 Acq: 24 Jul 2019 00:18

Tgt Ion: 43 Resp: 4582
 Ion Ratio Lower Upper
 43 100
 61 1.3 23.0 34.4#





#51

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.34 min

Lab File: VN056896.D

Acq: 24 Jul 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

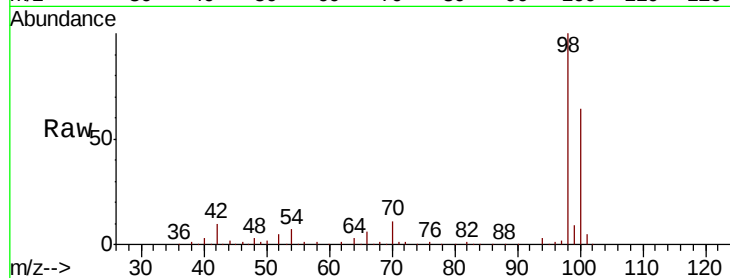
Tot Ion: 69 Resp: 973

Ion Ratio Lower Upper

69 100

41 81.2 30.4 91.3

39 37.5 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN056887.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056887.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056887.D (-2679) (-)

10.09

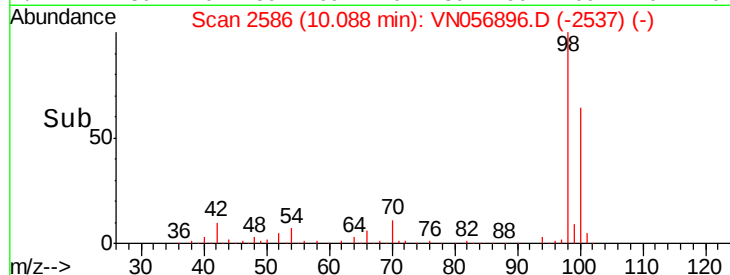
400

200

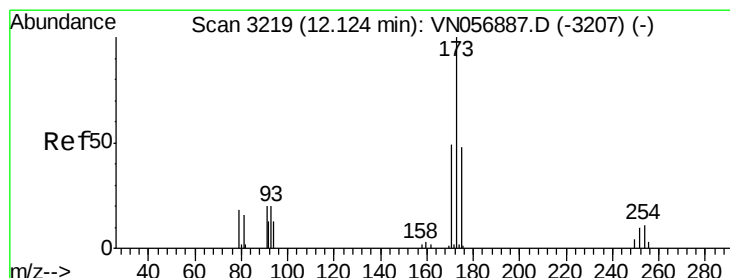
0

10.05

10.10



Time-->



#56

Bromoform

Concen: 0.301 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056896.D

Acq: 24 Jul 2019 00:18

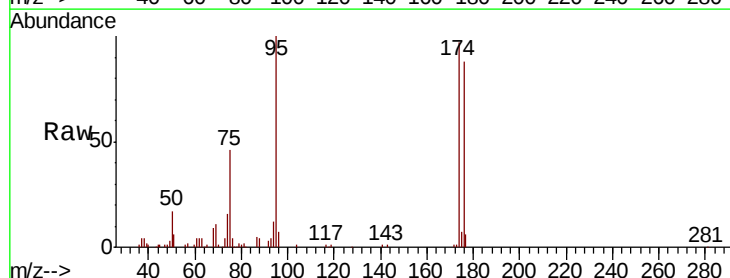
Tgt Ion: 173 Resp: 639

Ion Ratio Lower Upper

173 100

175 765.3 38.8 58.2#

254 0.0 8.1 12.1#



Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)

3000

2000

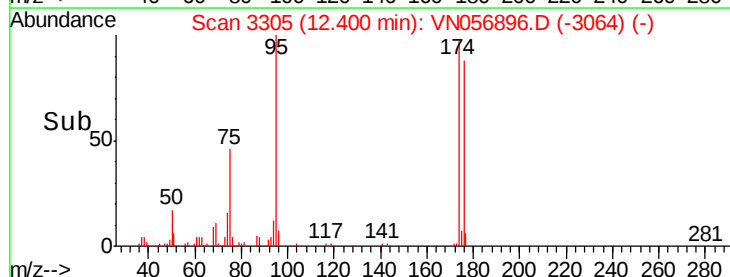
1000

0

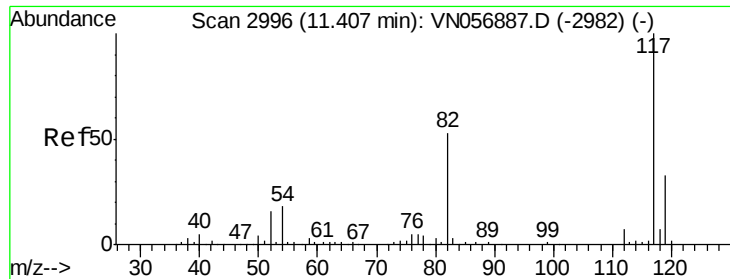
12.38

12.40

12.42



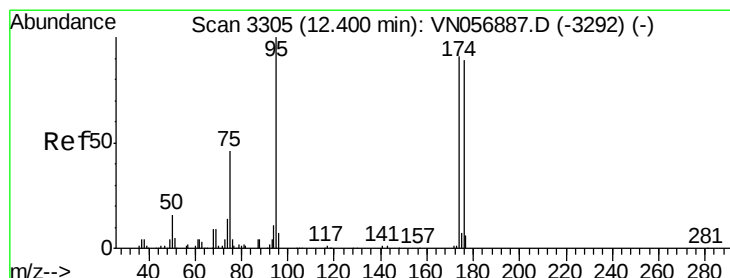
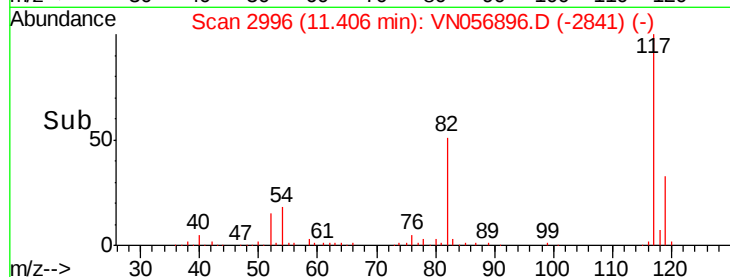
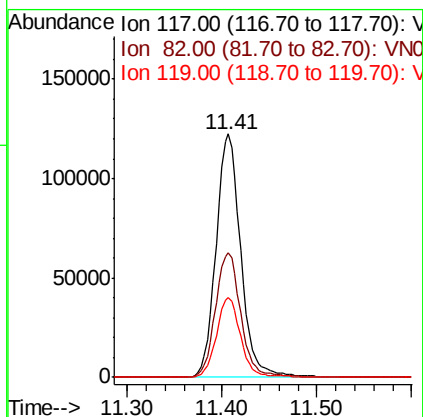
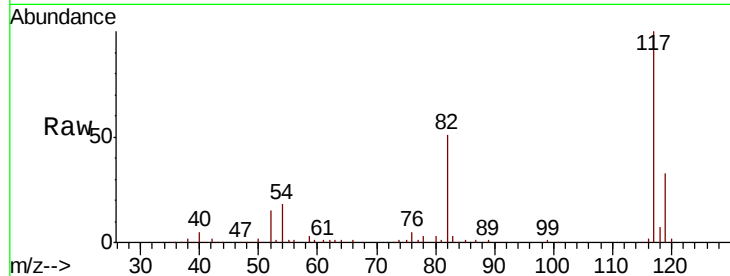
Time-->



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

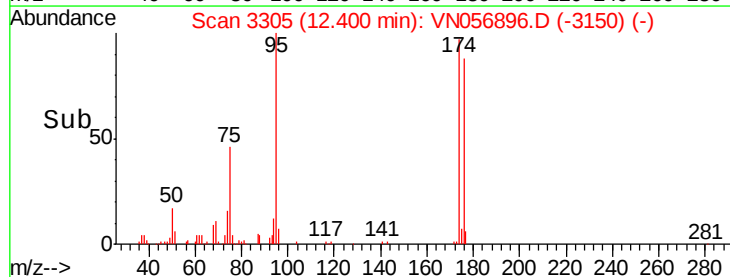
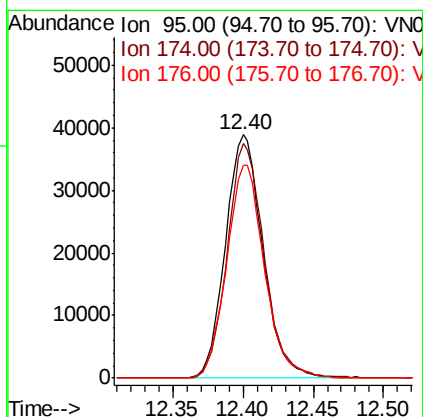
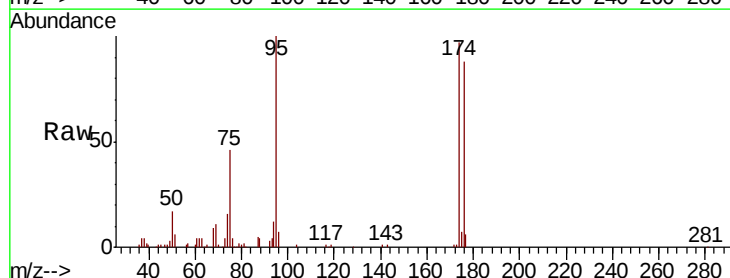
Instrument :
MSVOA_N
ClientSampleId :

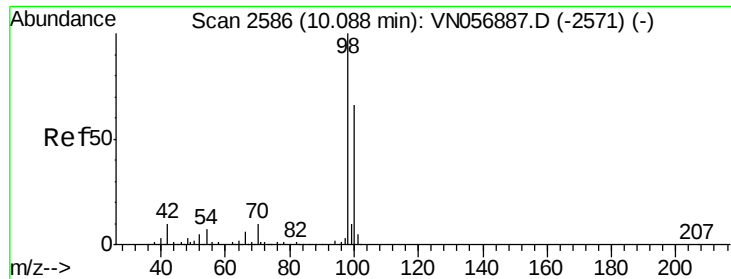
Tot Ion:117 Resp: 222356
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.1 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 21.582 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

Tgt Ion: 95 Resp: 71924
Ion Ratio Lower Upper
95 100
174 95.4 71.9 107.9
176 88.5 69.8 104.8





#63

Toluene-d8

Concen: 31.615 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056896.D

Acq: 24 Jul 2019 00:18

Instrument :

MSVOA_N

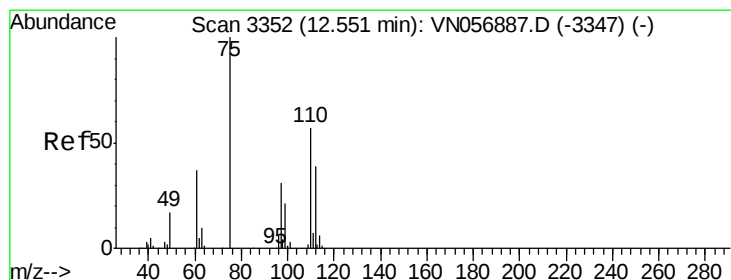
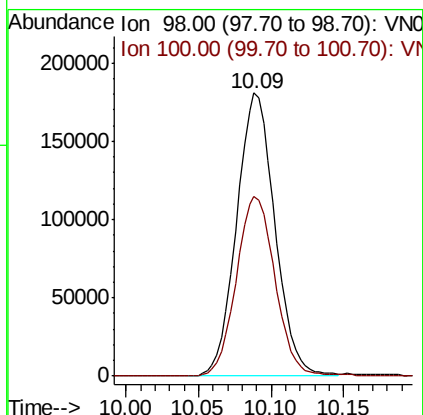
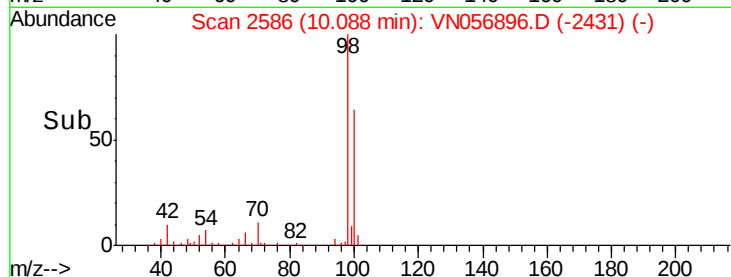
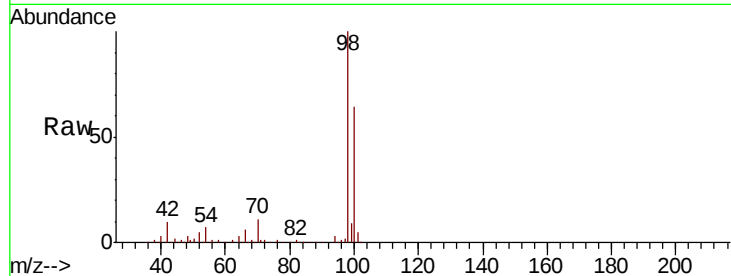
ClientSampleId :

Tot Ion: 98 Resp: 332073

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



#72

1,2,3-Trichloropropane

Concen: 10.941 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056896.D

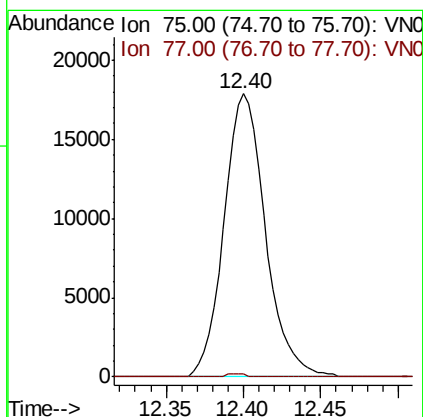
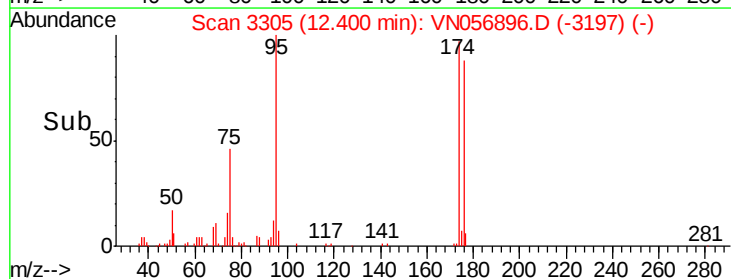
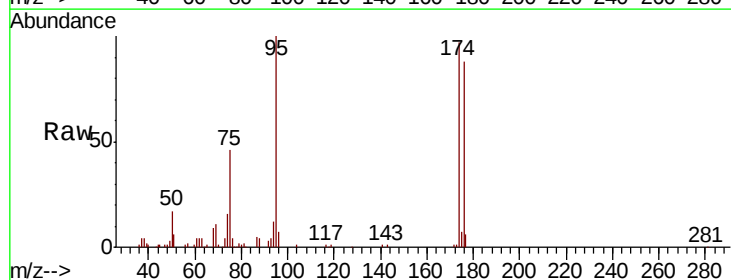
Acq: 24 Jul 2019 00:18

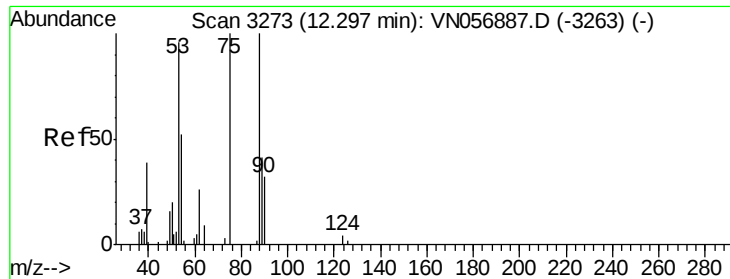
Tgt Ion: 75 Resp: 33168

Ion Ratio Lower Upper

75 100

77 0.4 0.0 378.6

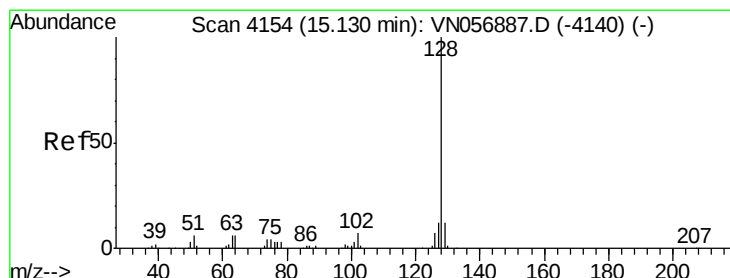
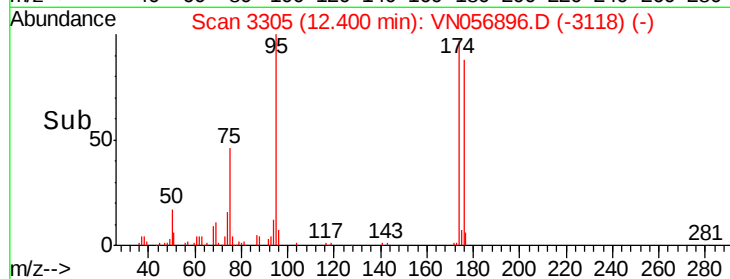
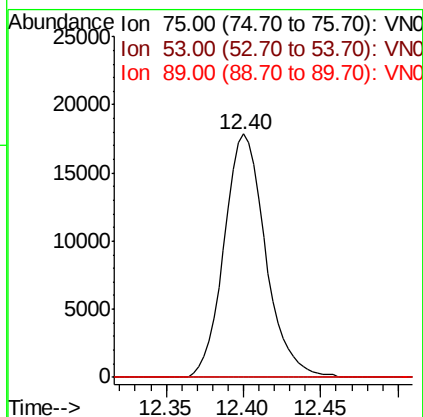
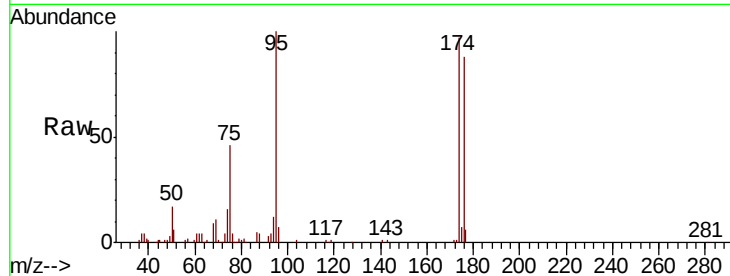




#77
t-1,4-Dichloro-2-butene
Concen: 34.845 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 33168
Ion Ratio Lower Upper
75 100
53 0.0 48.0 144.0#
89 0.0 21.4 64.3#



#91
Naphthalene
Concen: 7.707 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.01 min
Lab File: VN056896.D
Acq: 24 Jul 2019 00:18

Tgt Ion: 128 Resp: 139
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.9 13.3#

