

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056690.D
 Acq On : 12 Jul 2019 15:54
 Operator : JC/SP
 Sample : K3781-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:10:57 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	7.19	128	49580	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	274699	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	229299	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	104546	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	93821	26.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.13%
63) Toluene-d8	10.09	98	323431	30.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.90%

Target Compounds

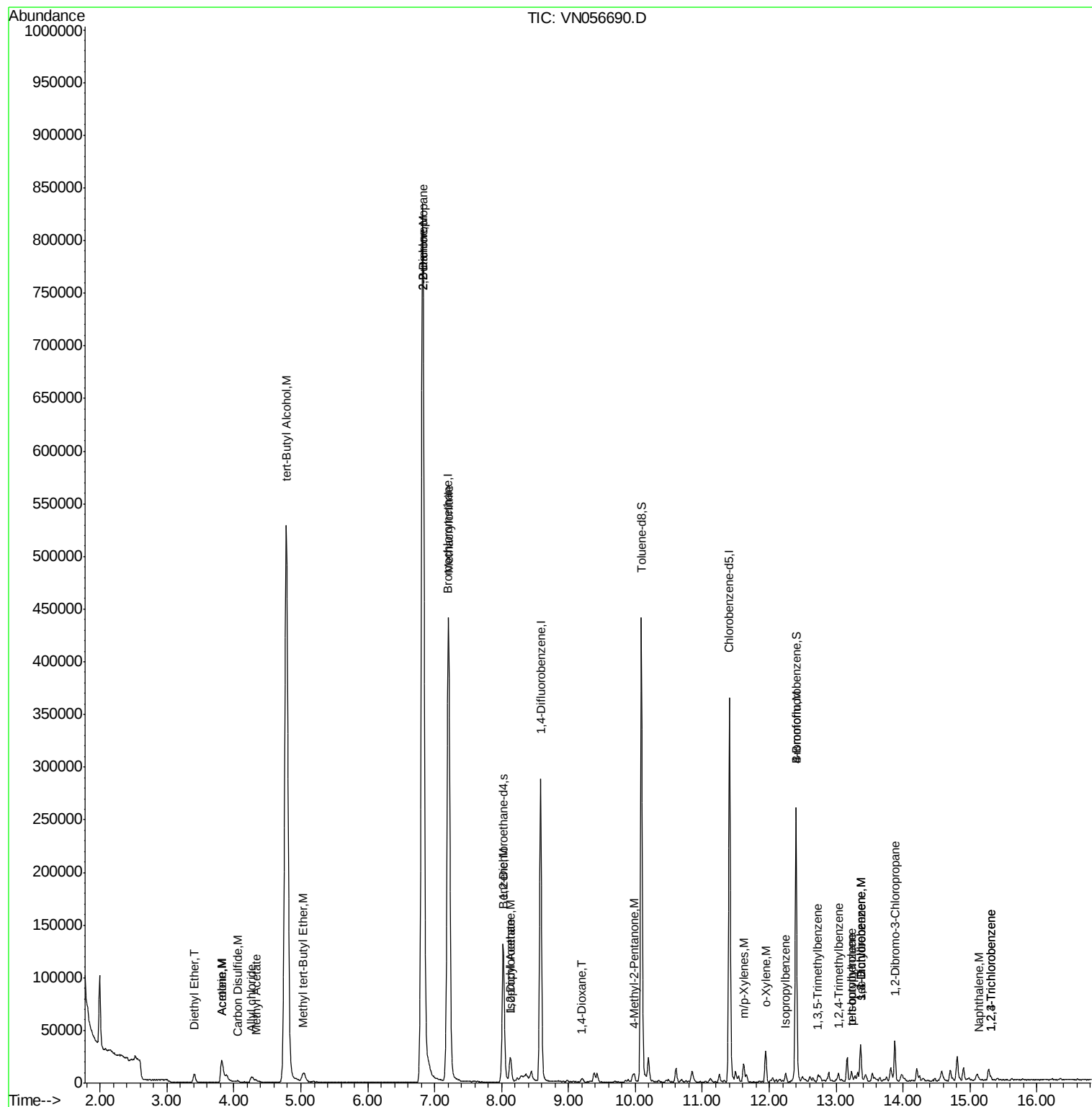
					Ovalue	
8) Diethyl Ether	3.40	74	2109	1.085	ug/l #	1
12) Methyl Acetate	4.33	43	1680	0.429	ug/l #	80
13) Acrolein	3.81	56	799	2.895	ug/l #	14
15) Acetone	3.81	58	12480	20.967	ug/l #	1
16) Carbon Disulfide	4.05	76	2150	0.279	ug/l #	75
17) Allyl chloride	4.27	41	7968	1.558	ug/l #	43
23) tert-Butyl Alcohol	4.78	59	997345	1658.095	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	7590	0.814	ug/l #	68
30) 2-Butanone	6.82	43	38453	15.210	ug/l #	68
31) 2,2-Dichloropropane	6.82	77	60874	14.405	ug/l #	51
34) Benzene	8.04	78	4371	0.326	ug/l #	1
35) Methacrylonitrile	7.21	41	171507	88.801	ug/l #	46
36) 1,2-Dichloroethane	8.12	62	1466	0.340	ug/l #	74
44) Isopropyl Acetate	8.14	43	5042	0.708	ug/l #	51
45) 1,4-Dioxane	9.20	88	2453	34.028	ug/l #	83
56) Bromoform	12.40	173	794	0.318	ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	6924	1.604	ug/l #	82
67) m/p-Xylenes	11.62	106	6543	1.191	ug/l	97
68) o-Xylene	11.94	106	8242	1.538	ug/l	95
70) Isopropylbenzene	12.25	105	5200	0.370	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	4288	0.358	ug/l	93
79) tert-butylbenzene	13.23	119	5361	0.526	ug/l	61
80) 1,2,4-Trimethylbenzene	13.04	105	4249	0.358	ug/l	90
81) sec-Butylbenzene	13.37	105	9112	0.675	ug/l	60
82) p-Isopropyltoluene	13.23	119	5361	0.437	ug/l	99
83) 1,3-Dichlorobenzene	13.36	146	11036	1.804	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	11036	1.882	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.88	75	1220	1.551	ug/l #	1
89) 1,2,4-Trichlorobenzene	15.32	180	1208	0.365	ug/l	94
91) Naphthalene	15.13	128	2430	0.273	ug/l #	82
92) 1,2,3-Trichlorobenzene	15.32	180	1208	0.348	ug/l	95

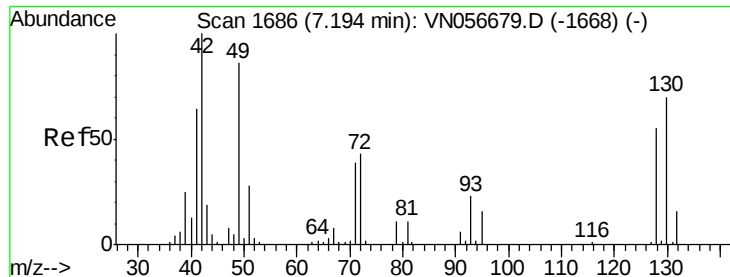
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056690.D
Acq On : 12 Jul 2019 15:54
Operator : JC/SP
Sample : K3781-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Jul 13 00:10:57 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: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :

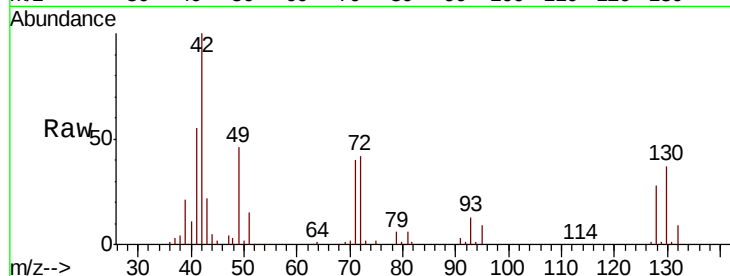
Tot Ion:128 Resp: 49580

Ion Ratio Lower Upper

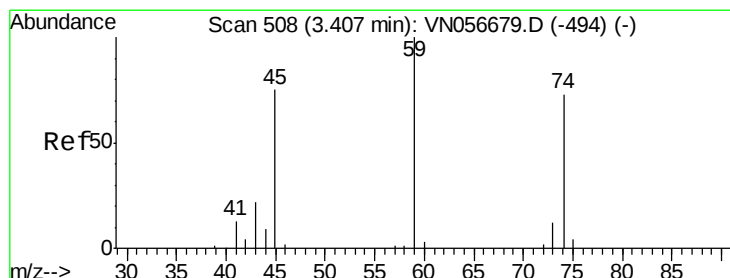
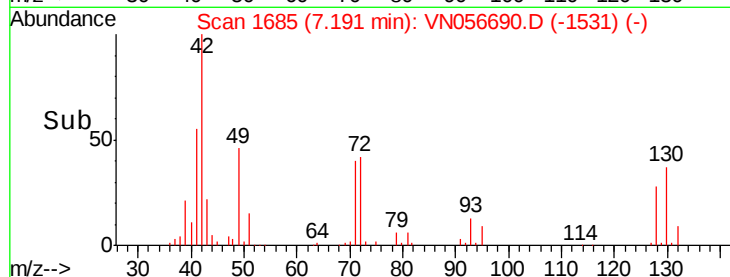
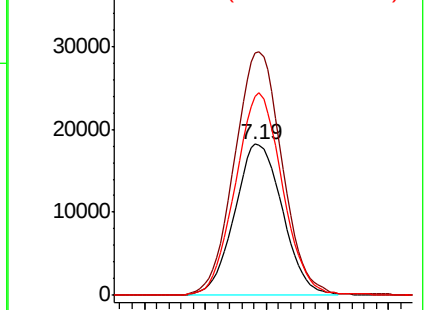
128 100

49 160.4 0.0 390.5

130 131.4 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



#8

Diethyl Ether

Concen: 1.085 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN056690.D

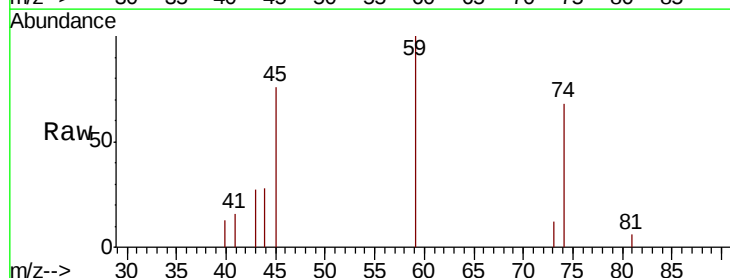
Acq: 12 Jul 2019 15:54

Tgt Ion: 74 Resp: 2109

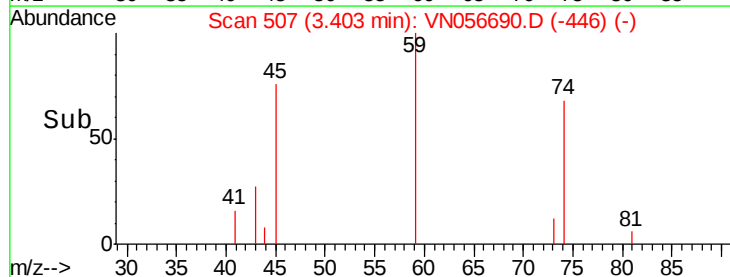
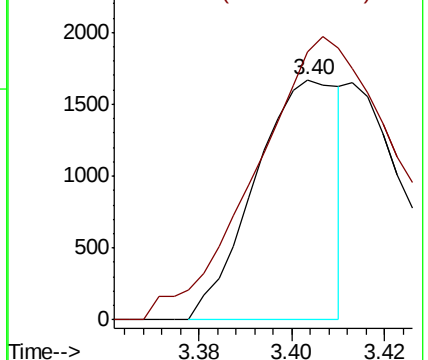
Ion Ratio Lower Upper

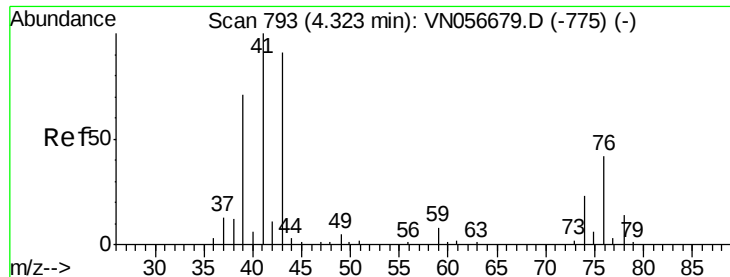
74 100

45 201.8 19.9 179.5#



Abundance Ion 74.00 (73.70 to 74.70): VN
Ion 45.00 (44.70 to 45.70): VN





#12

Methyl Acetate

Concen: 0.429 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

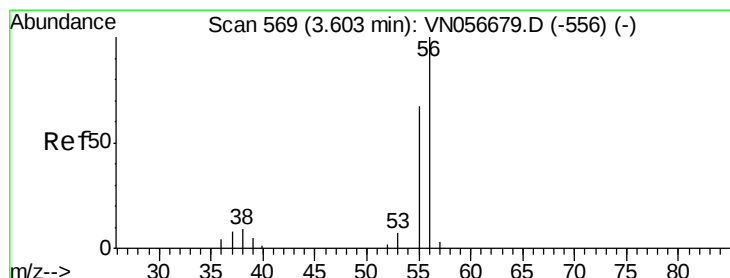
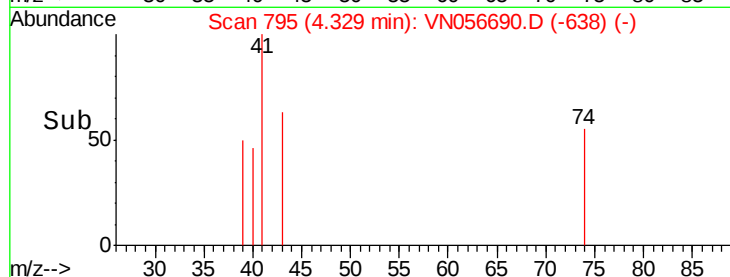
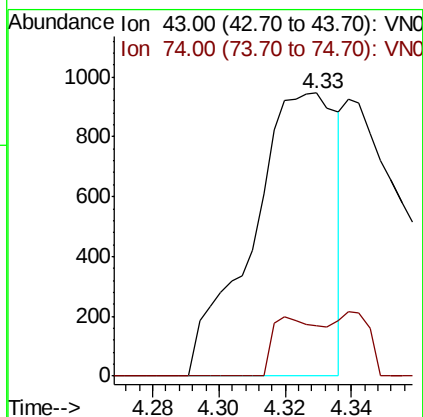
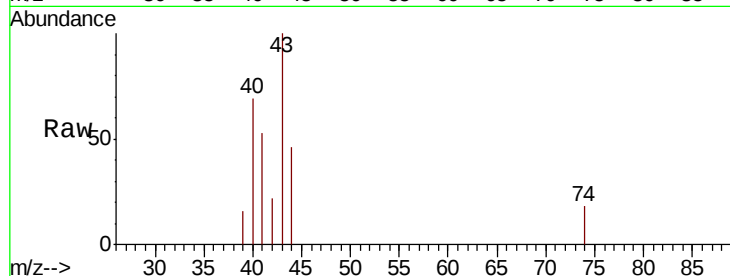
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1680

Ion Ratio Lower Upper

43 100

74 15.2 20.2 30.4#



#13

Acrolein

Concen: 2.895 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.21 min

Lab File: VN056690.D

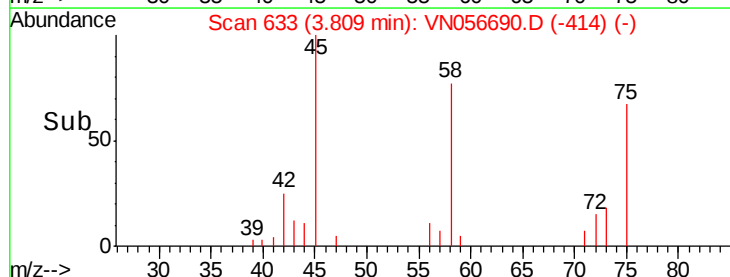
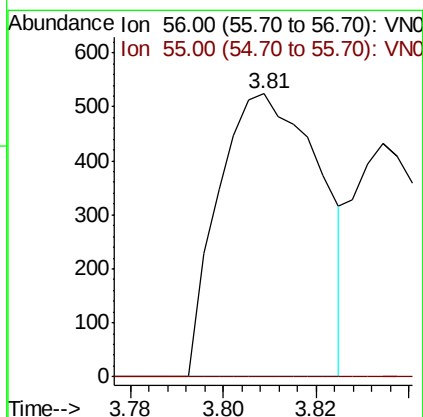
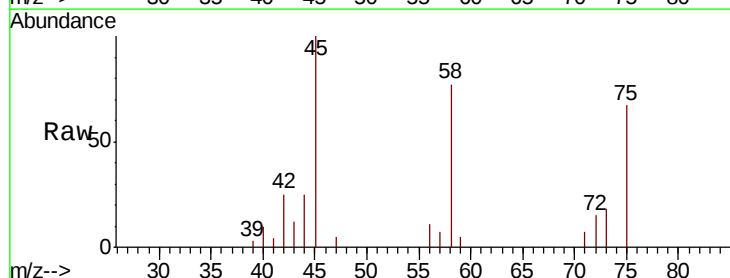
Acq: 12 Jul 2019 15:54

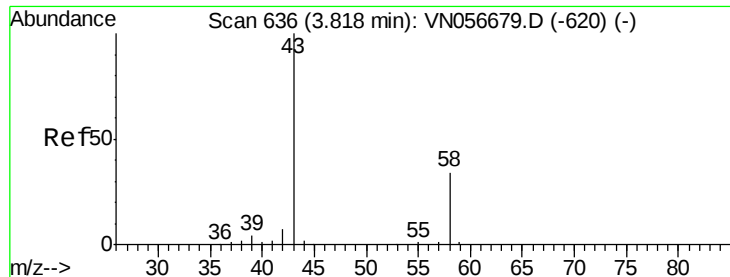
Tgt Ion: 56 Resp: 799

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#





#15

Acetone

Concen: 20.967 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

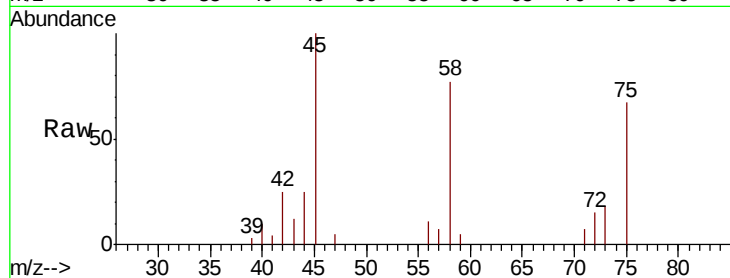
ClientSampled :

Tot Ion: 58 Resp: 12480

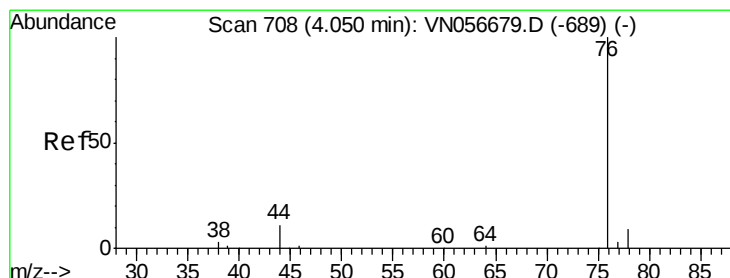
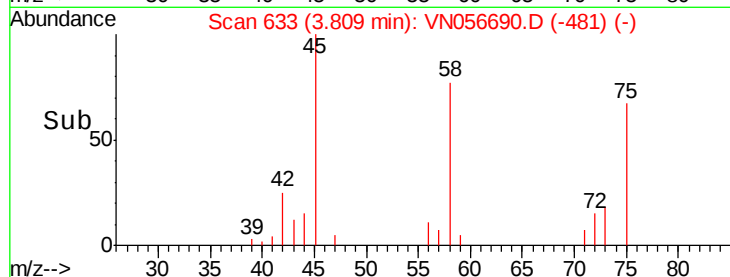
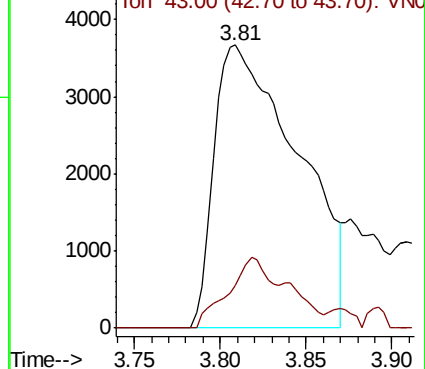
Ion Ratio Lower Upper

58 100

43 15.0 233.9 350.9#



Abundance Ion 58.00 (57.70 to 58.70): VN056690.D (-620) (-)



#16

Carbon Disulfide

Concen: 0.279 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056690.D

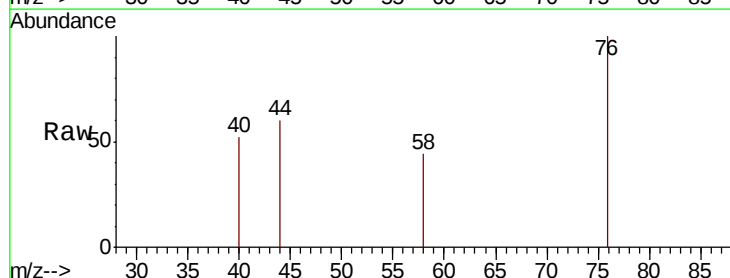
Acq: 12 Jul 2019 15:54

Tgt Ion: 76 Resp: 2150

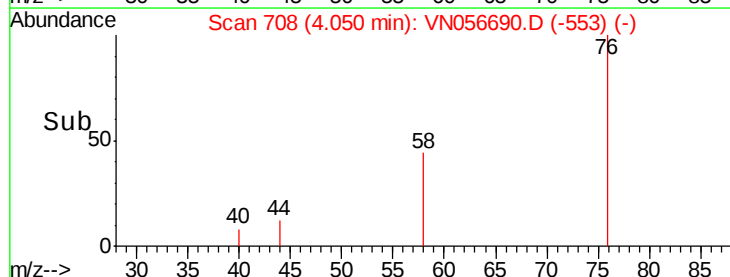
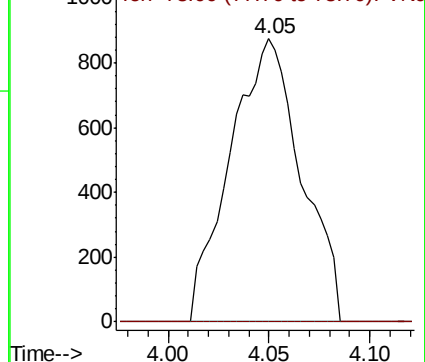
Ion Ratio Lower Upper

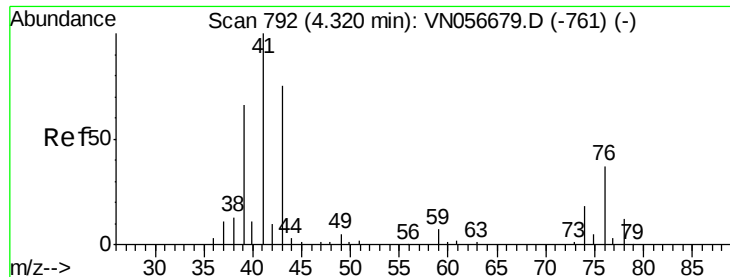
76 100

78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VN056690.D (-689) (-)

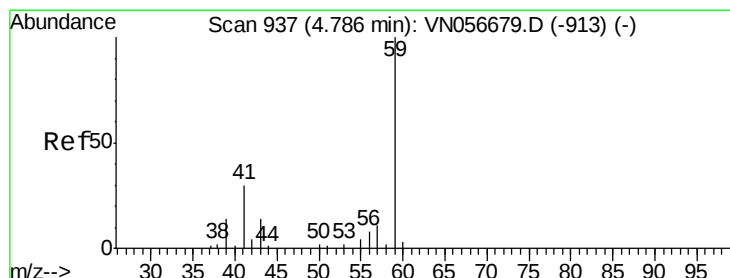
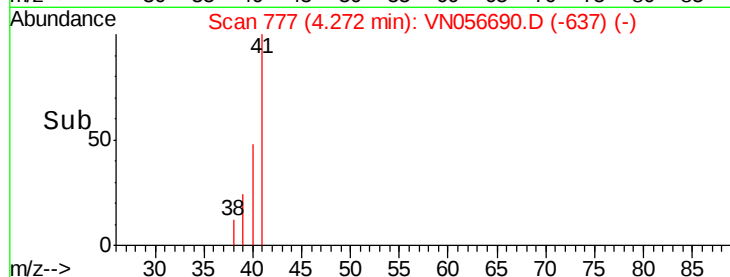
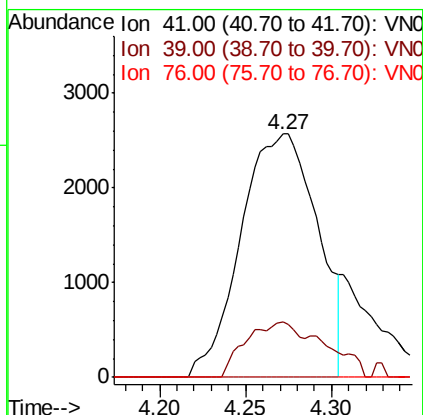
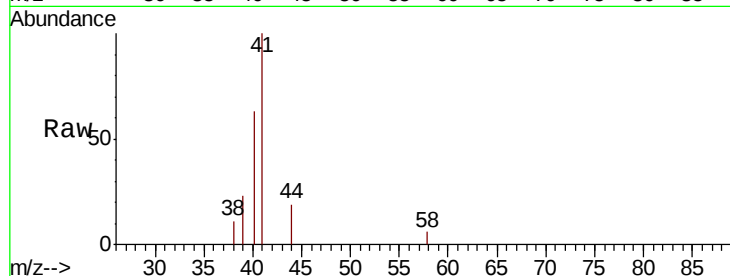




#17
Allvl chloride
Concen: 1.558 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.05 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

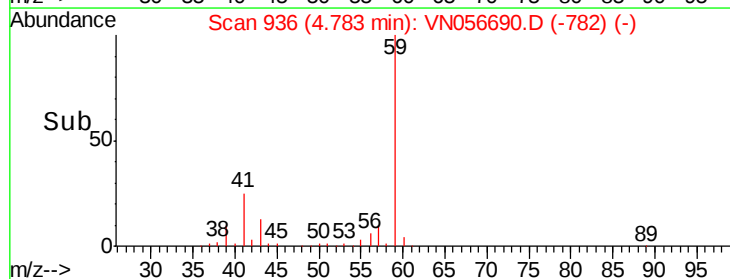
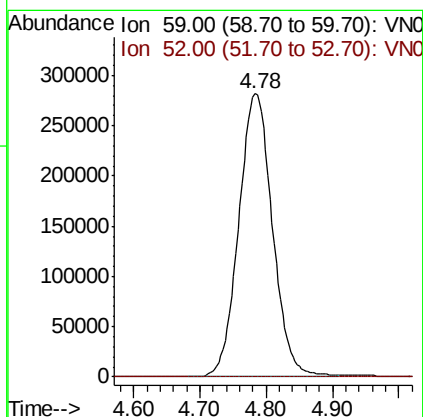
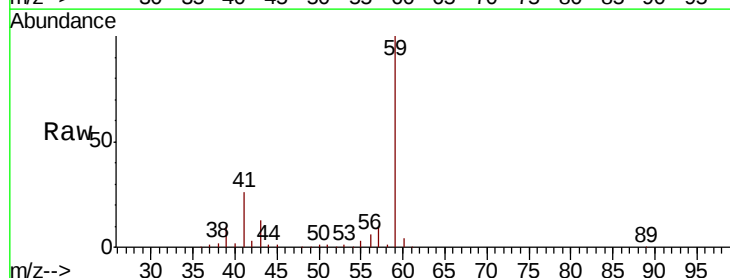
Instrument :
MSVOA_N
ClientSampleId :

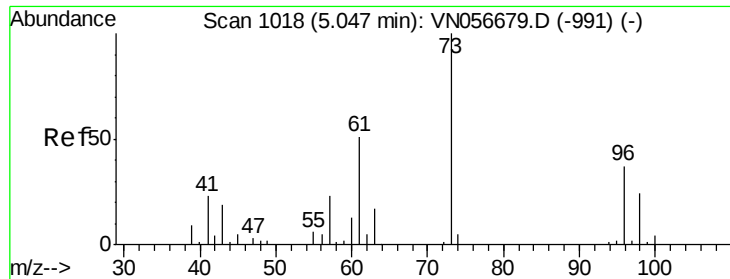
Tot Ion: 41 Resp: 7968
Ion Ratio Lower Upper
41 100
39 22.7 32.8 98.4#
76 0.0 18.5 55.5#



#23
tert-Butyl Alcohol
Concen: 1658.095 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 59 Resp: 997345
Ion Ratio Lower Upper
59 100
52 0.2 0.1 0.1#



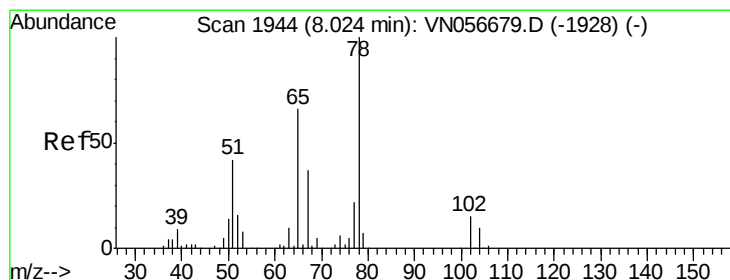
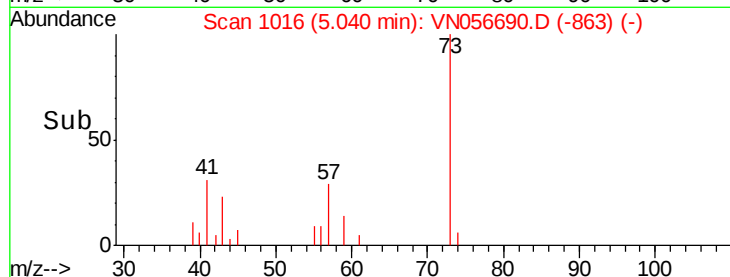
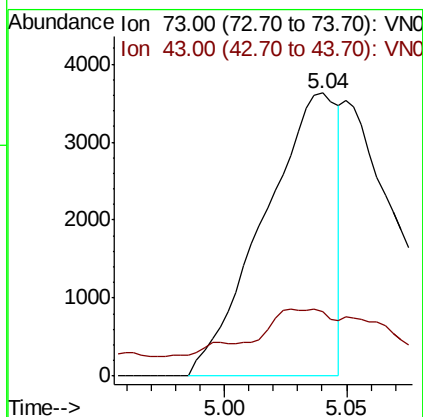
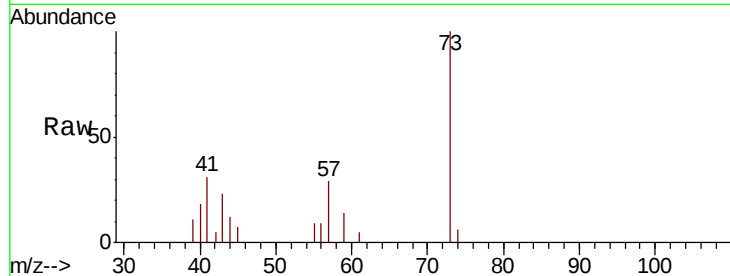


#24

Methvl tert-Butvl Ether
 Concen: 0.814 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

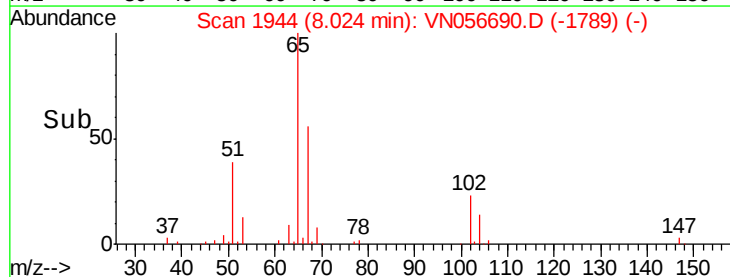
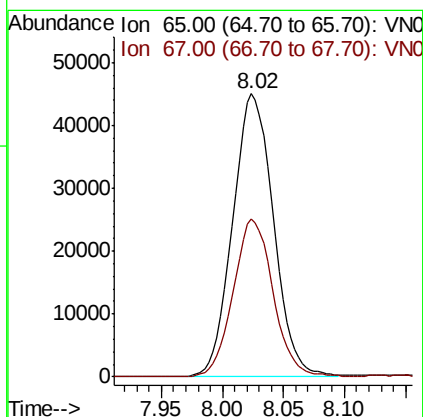
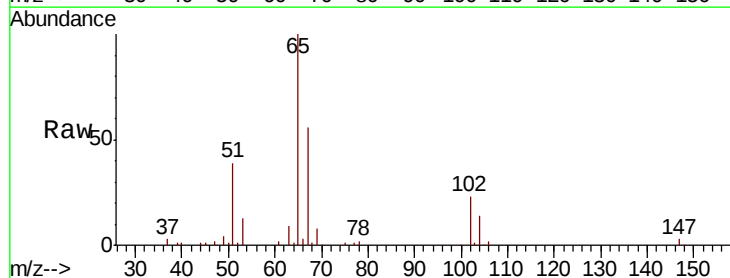
Tot Ion: 73 Resp: 7590
 Ion Ratio Lower Upper
 73 100
 43 4.6 15.1 22.7#

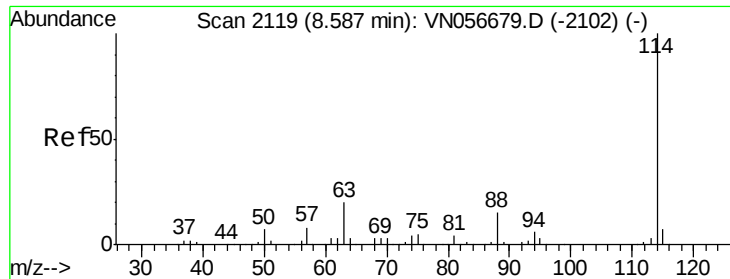


#27

1,2-Dichloroethane-d4
 Concen: 31.129 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 65 Resp: 104546
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.4 65.0

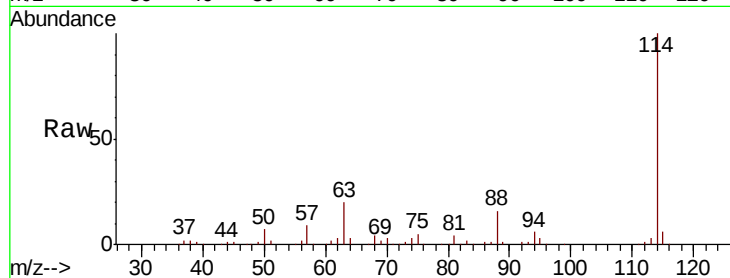




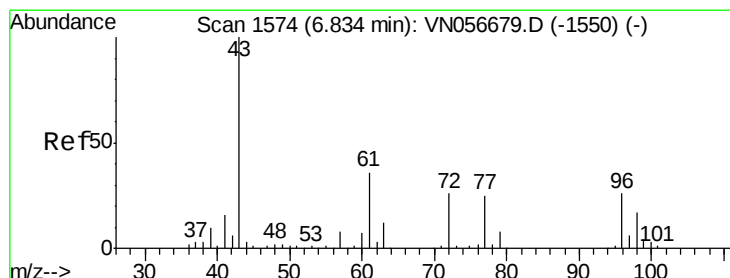
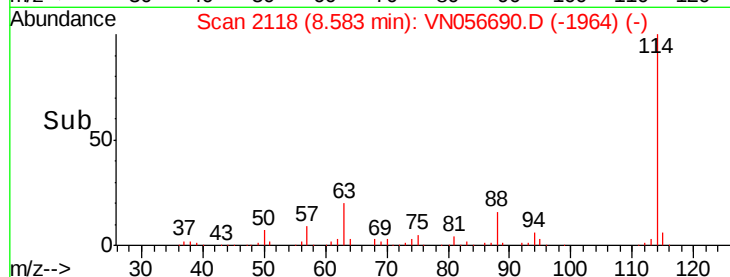
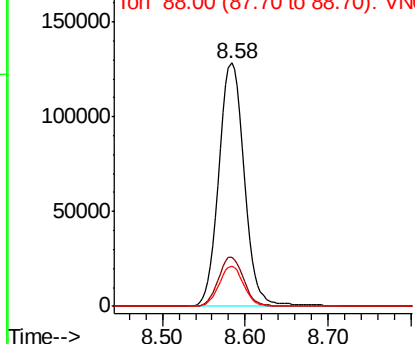
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 274699
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.7 12.3 18.5

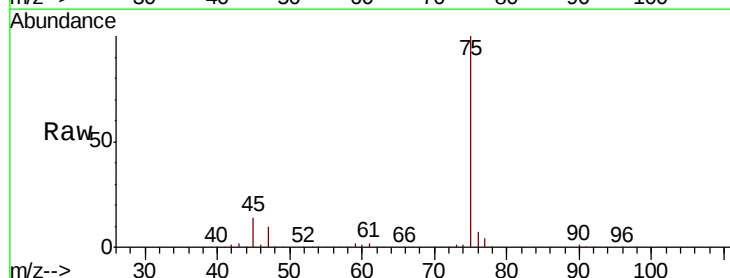


Abundance Ion 114.00 (113.70 to 114.70): VN056690.D (-1964) (-)
 Ion 63.00 (62.70 to 63.70): VN056690.D (-1964) (-)
 Ion 88.00 (87.70 to 88.70): VN056690.D (-1964) (-)

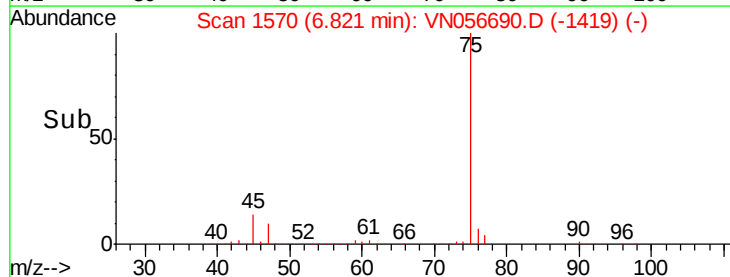
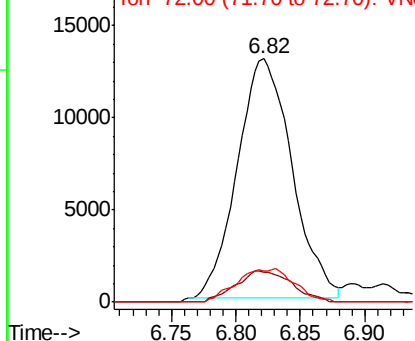


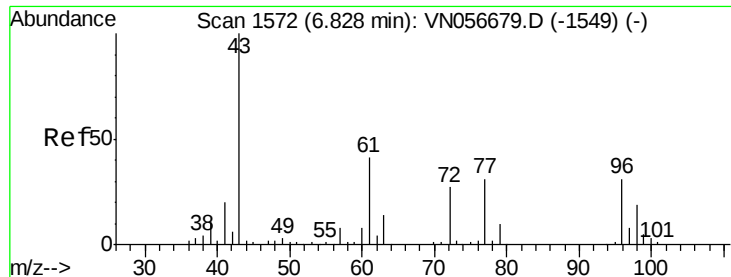
#30
 2-Butanone
 Concen: 15.210 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 43 Resp: 38453
 Ion Ratio Lower Upper
 43 100
 57 13.2 6.6 10.0#
 72 7.3 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VN056690.D (-1419) (-)
 Ion 57.00 (56.70 to 57.70): VN056690.D (-1419) (-)
 Ion 72.00 (71.70 to 72.70): VN056690.D (-1419) (-)





#31

2,2-Dichloropropane

Concen: 14.405 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

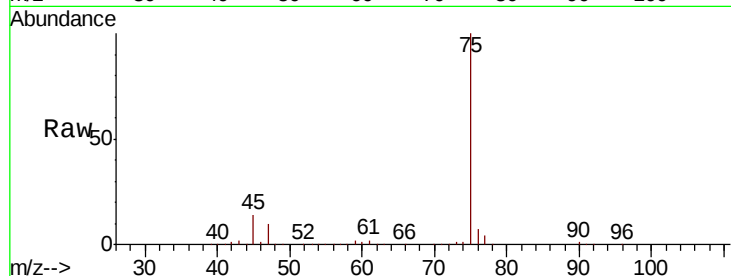
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 77 Resp: 60874

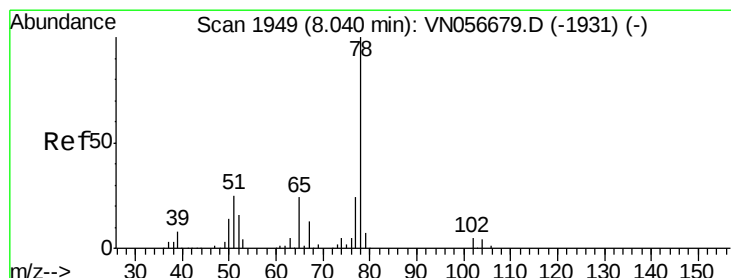
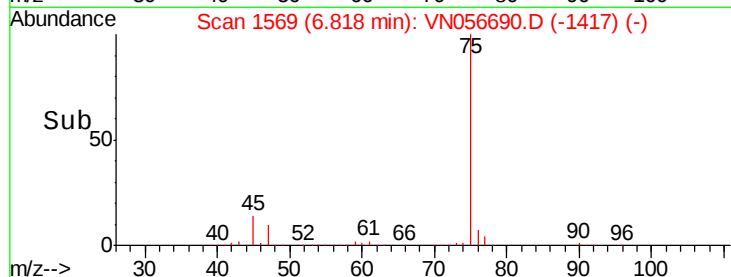
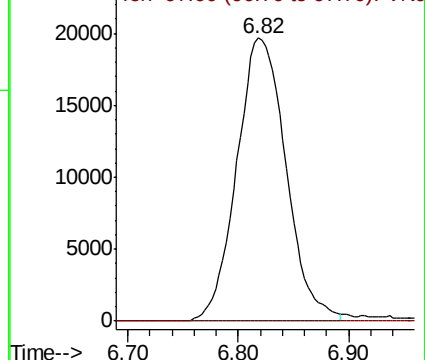
Ion Ratio Lower Upper

77 100

97 0.0 19.7 29.5#



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO



#34

Benzene

Concen: 0.326 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

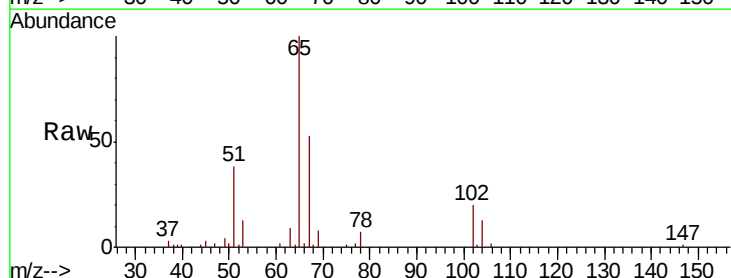
Tgt Ion: 78 Resp: 4371

Ion Ratio Lower Upper

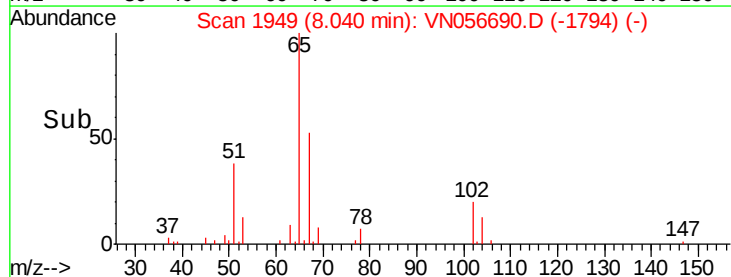
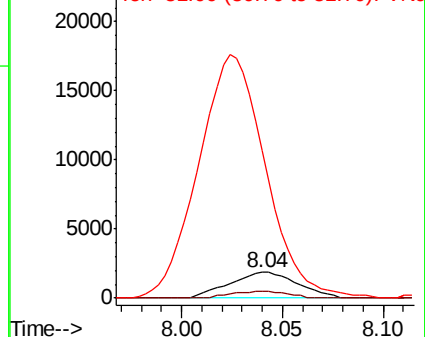
78 100

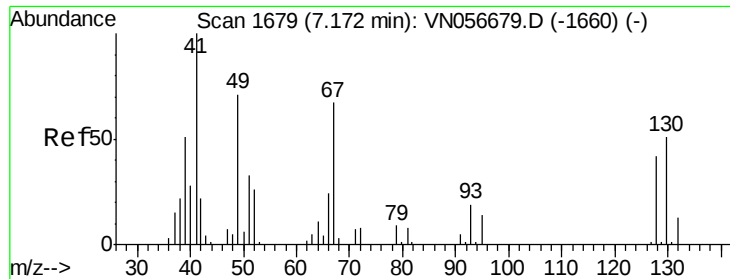
77 26.6 19.0 28.4

51 549.3 19.7 29.5#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

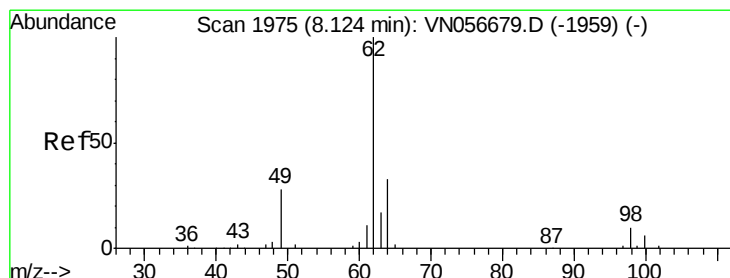
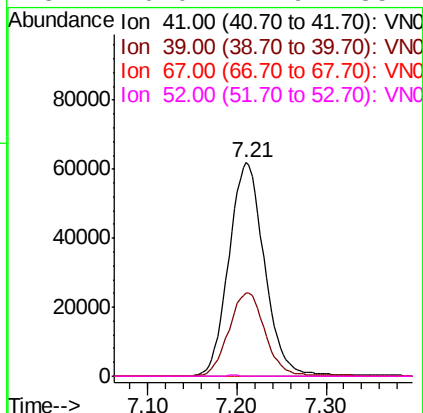
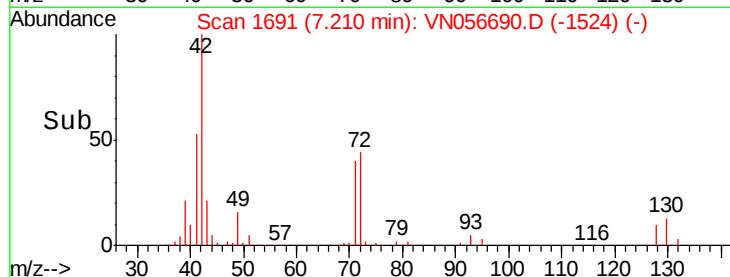
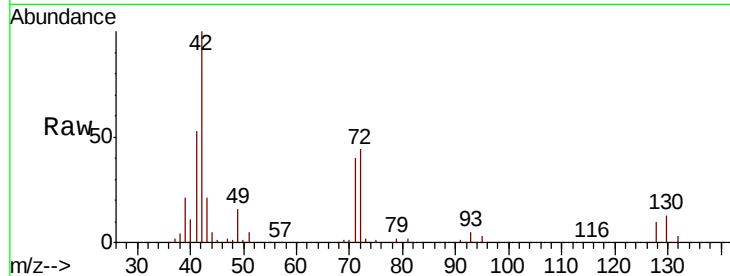




#35
Methacrylonitrile
Concen: 88.801 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

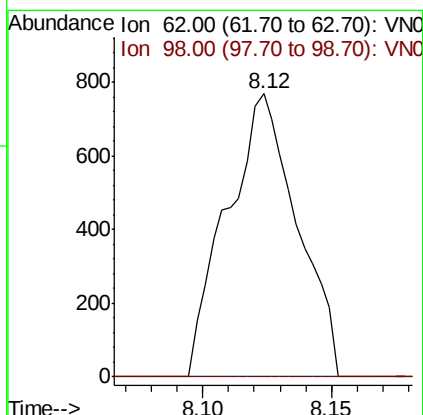
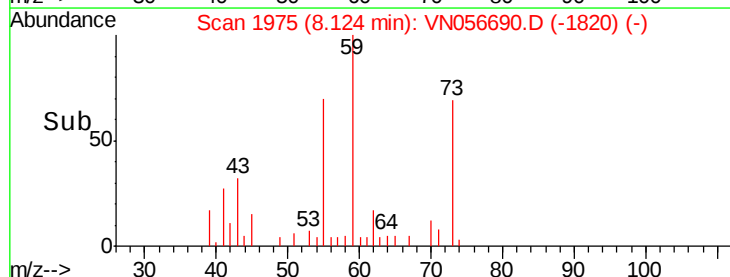
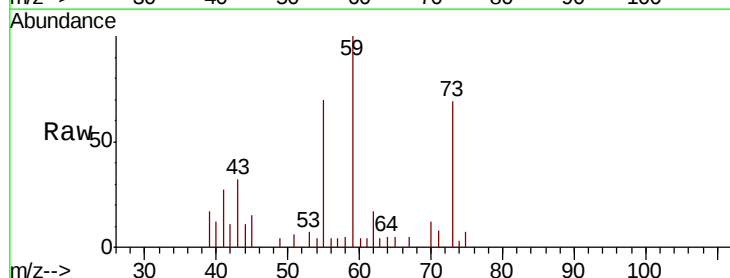
Instrument :
MSVOA_N
ClientSampleId :

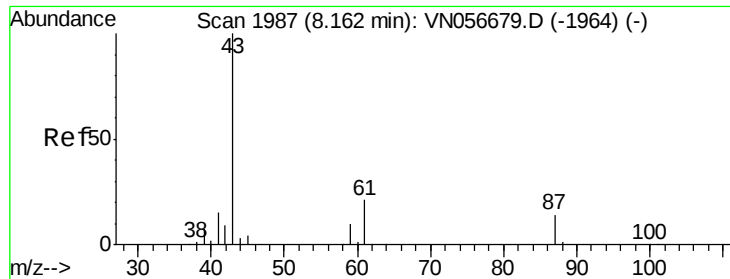
Tot Ion: 41 Resp: 171507
Ion Ratio Lower Upper
41 100
39 39.1 25.4 76.2
67 0.0 33.6 100.8#
52 0.0 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 0.340 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 62 Resp: 1466
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#





#44

Isopropyl Acetate

Concen: 0.708 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.03 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

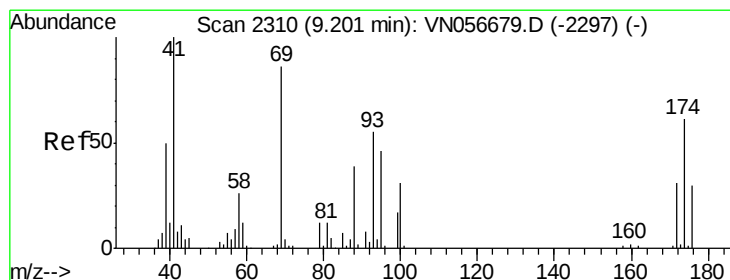
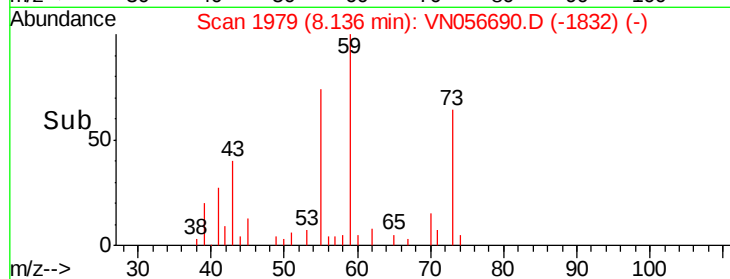
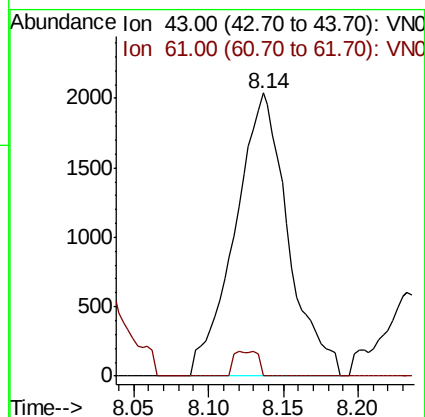
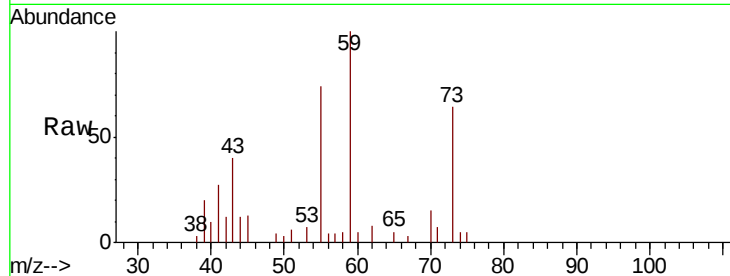
ClientSampleId :

Tot Ion: 43 Resp: 5042

Ion Ratio Lower Upper

43 100

61 2.6 22.6 33.8#



#45

1,4-Dioxane

Concen: 34.028 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

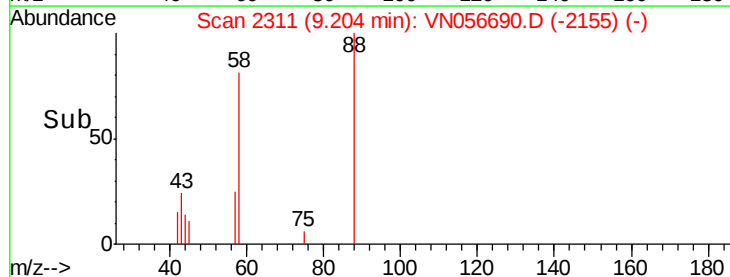
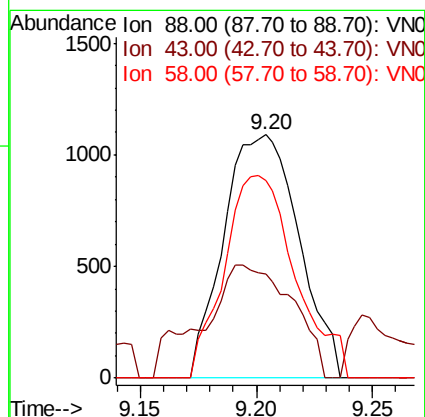
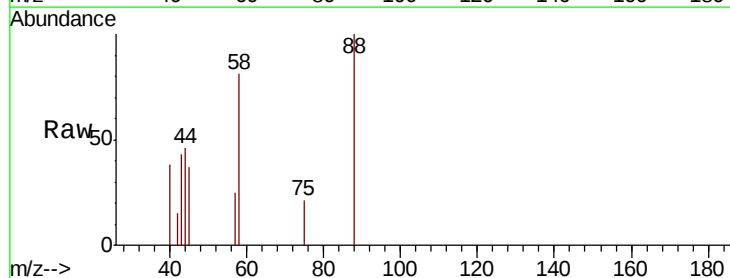
Tgt Ion: 88 Resp: 2453

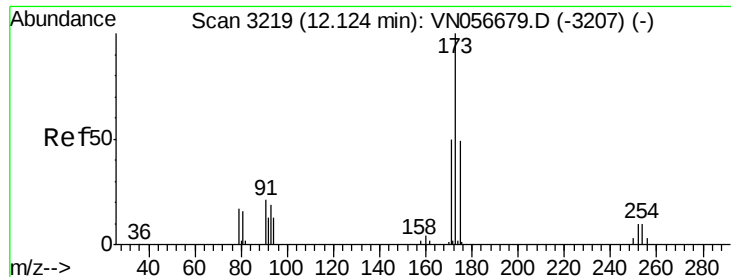
Ion Ratio Lower Upper

88 100

43 46.4 23.0 34.6#

58 75.9 54.6 81.8





#56

Bromoform

Concen: 0.318 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

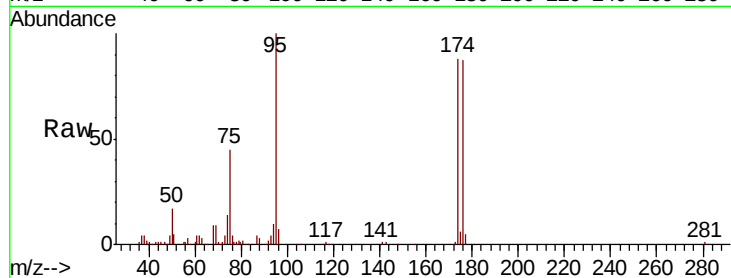
Tot Ion:173 Resp: 794

Ion Ratio Lower Upper

173 100

175 800.6 39.7 59.5#

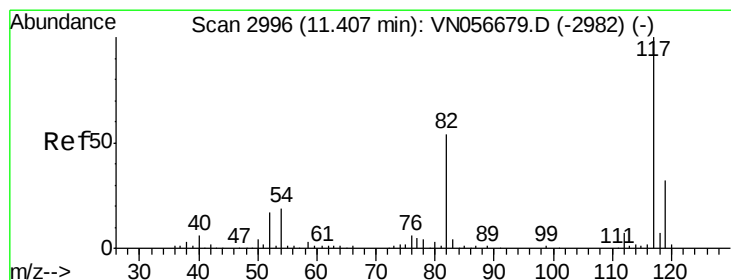
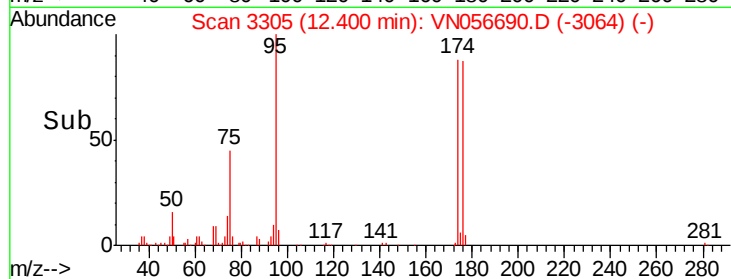
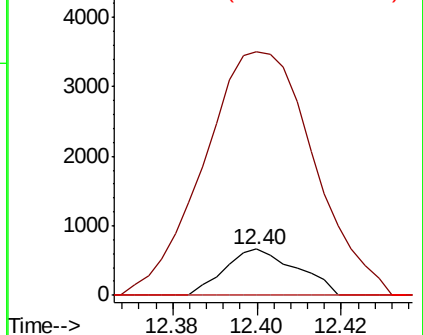
254 0.0 7.8 11.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

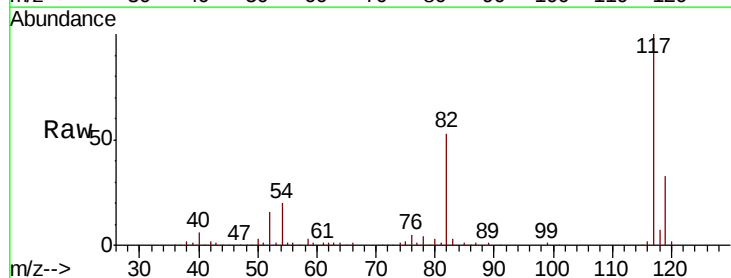
Tgt Ion:117 Resp: 229299

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

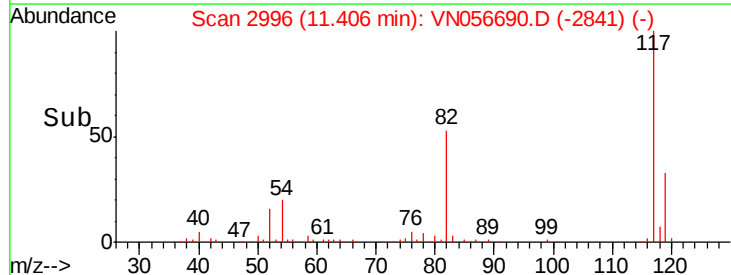
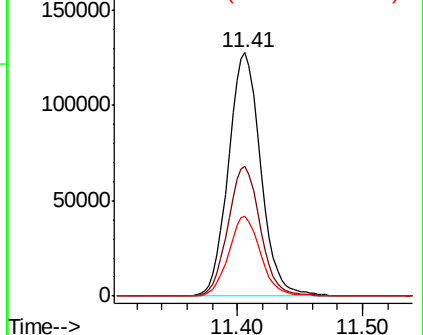
119 32.4 26.0 39.0

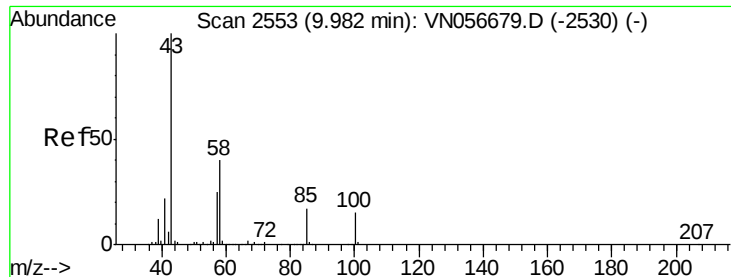


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

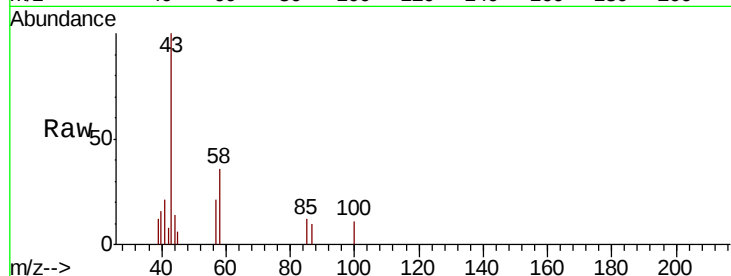




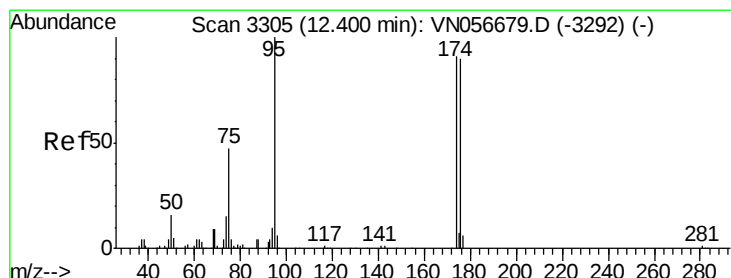
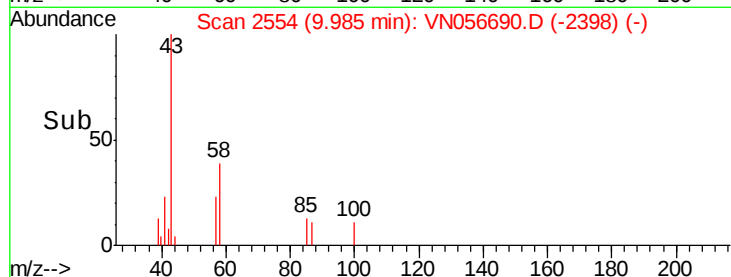
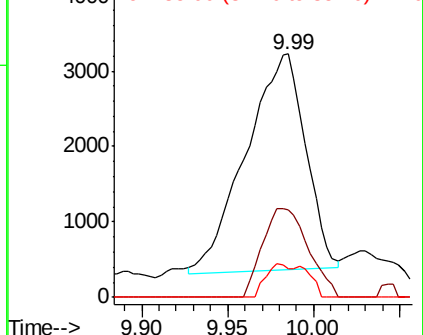
#58
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
58 31.2 31.9 47.9#
85 5.9 14.2 21.4#

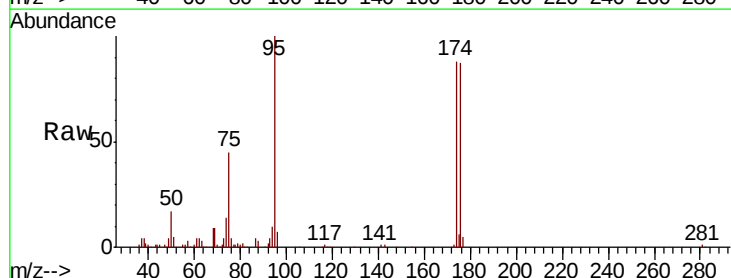


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

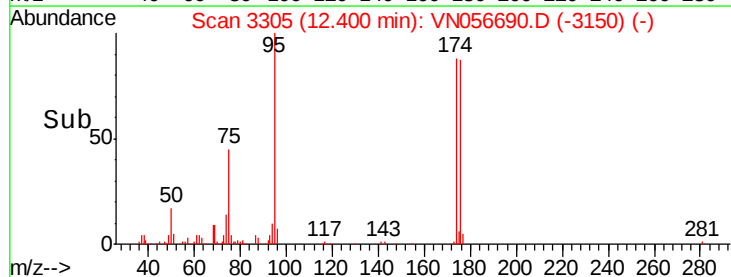
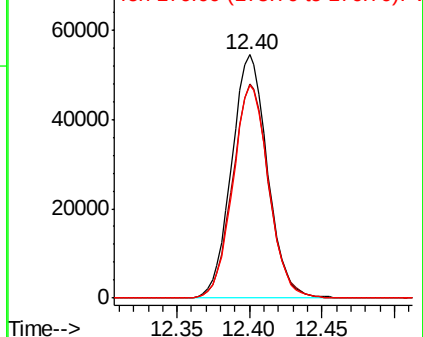


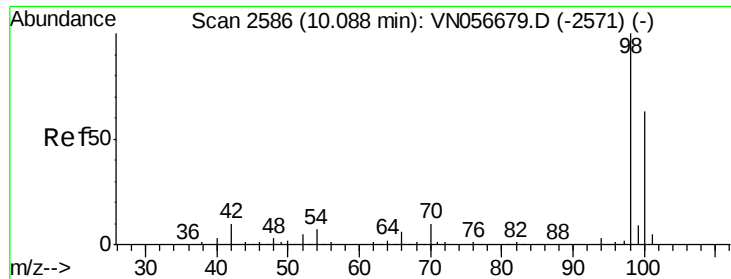
#60
4-Bromofluorobenzene
Concen: 26.735 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 95 Resp: 93821
Ion Ratio Lower Upper
95 100
174 88.2 72.6 108.8
176 86.7 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.871 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

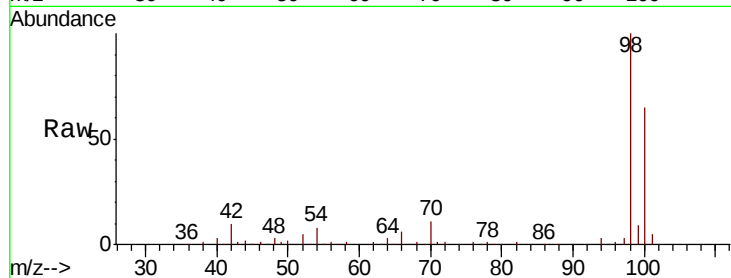
ClientSampleId :

Tot Ion: 98 Resp: 323431

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

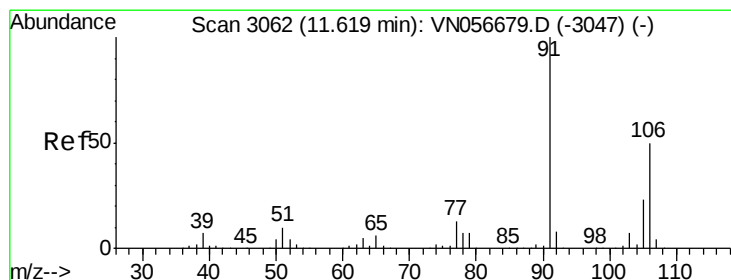
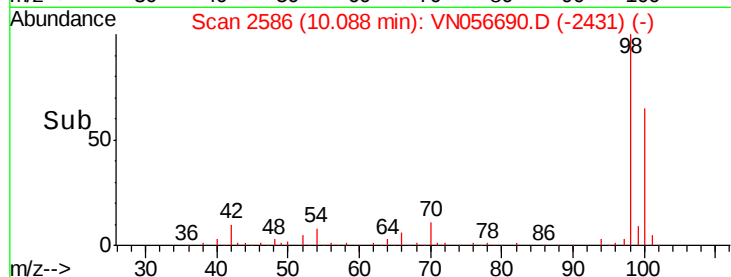
150000

100000

50000

0

Time-->



#67

m/p-Xylenes

Concen: 1.191 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN056690.D

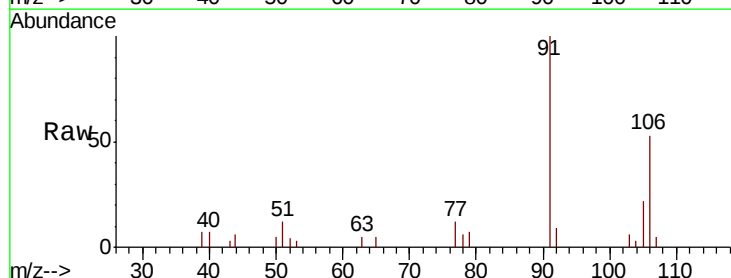
Acq: 12 Jul 2019 15:54

Tgt Ion: 106 Resp: 6543

Ion Ratio Lower Upper

106 100

91 197.7 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): VN056679.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN056679.D (-3047) (-)

11.62

8000

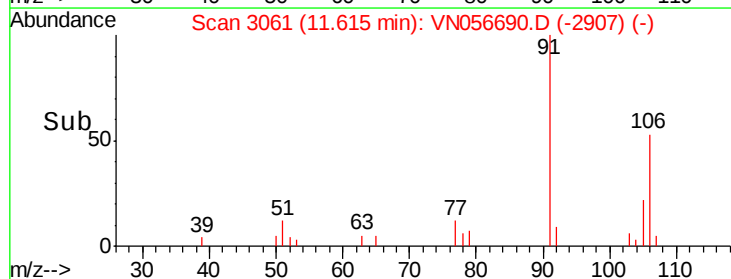
6000

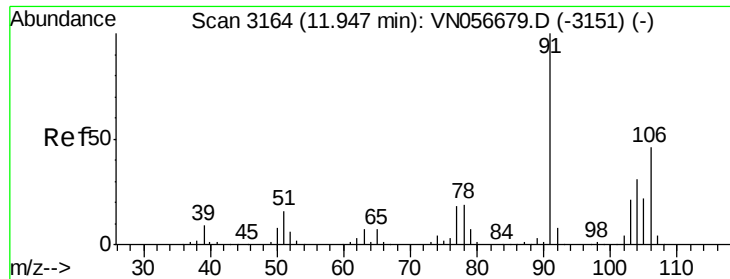
4000

2000

0

Time-->

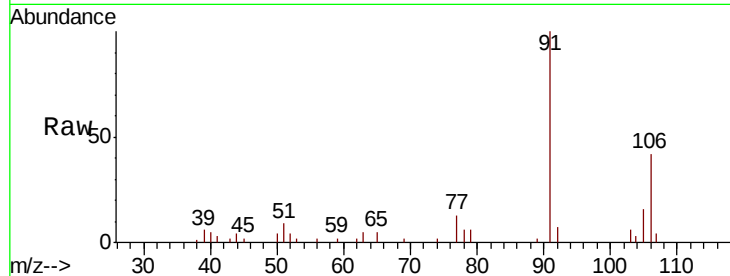




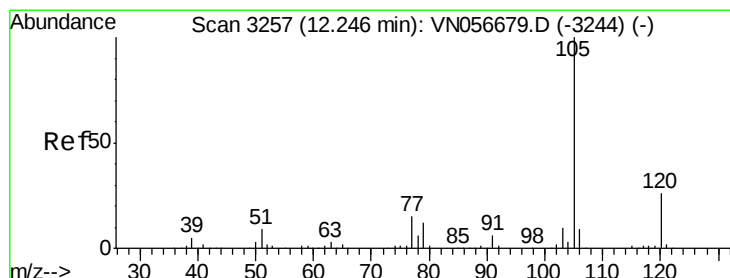
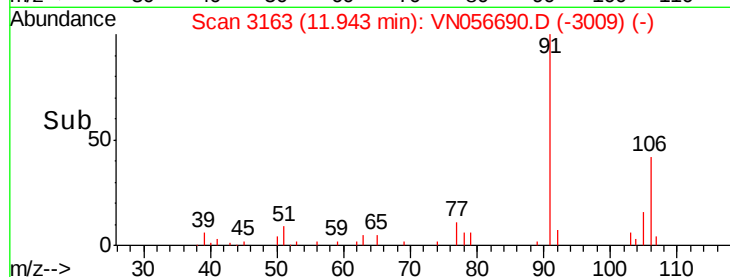
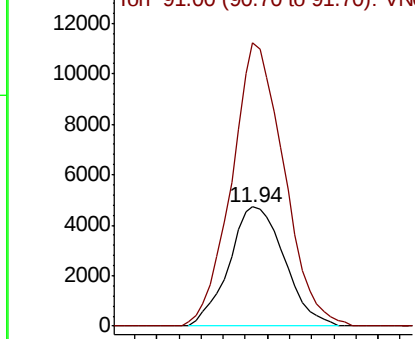
#68
o-Xylene
Concen: 1.538 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 8242
Ion Ratio Lower Upper
106 100
91 224.2 108.1 324.2

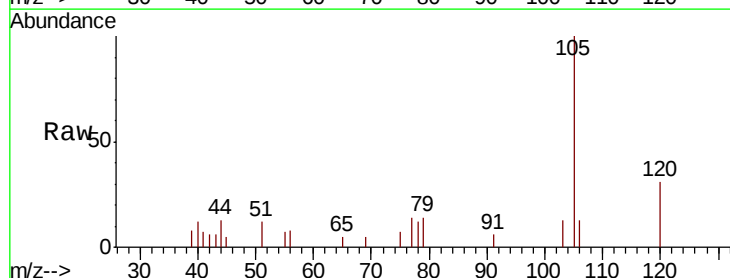


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

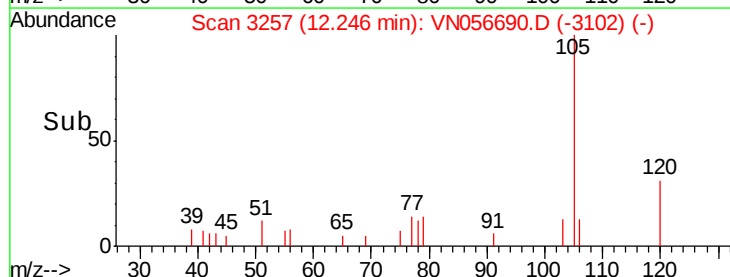
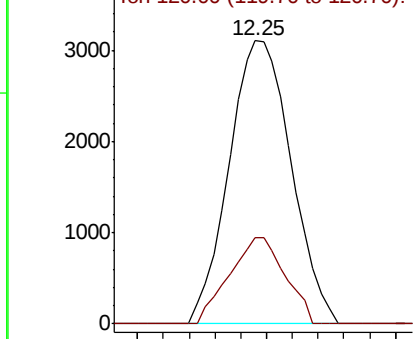


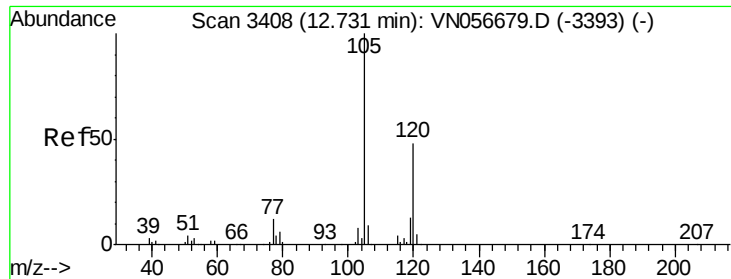
#70
Isopropylbenzene
Concen: 0.370 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion:105 Resp: 5200
Ion Ratio Lower Upper
105 100
120 27.4 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.358 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

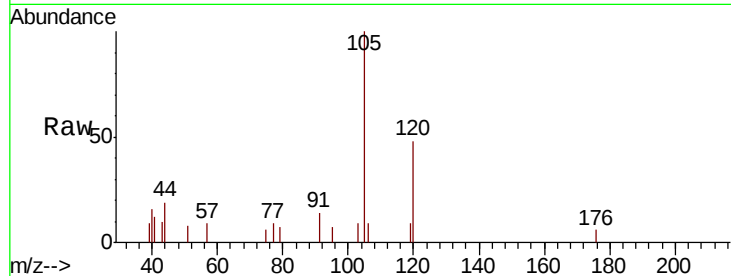
ClientSampleId :

Tot Ion:105 Resp: 4288

Ion Ratio Lower Upper

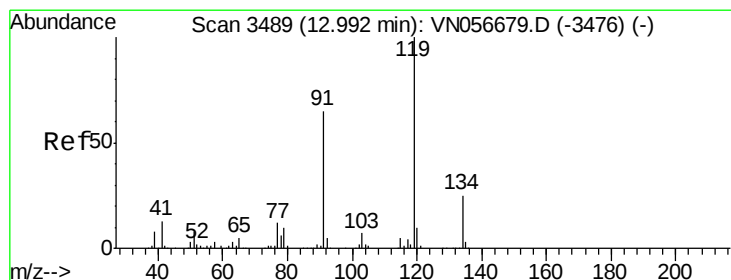
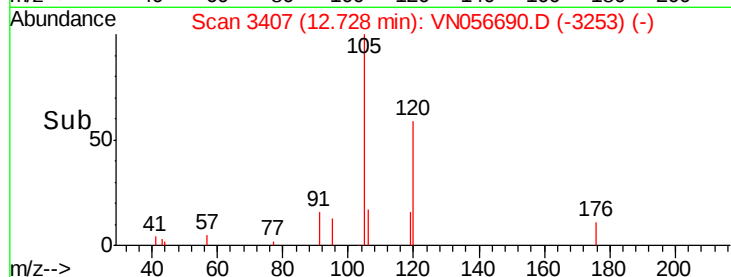
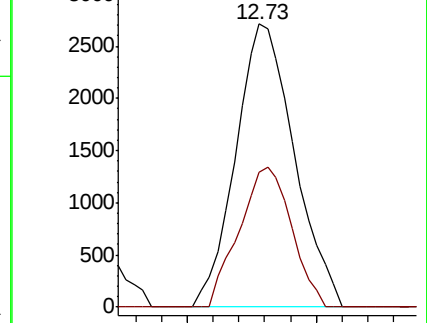
105 100

120 44.2 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

tert-butylbenzene

Concen: 0.526 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. 0.24 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

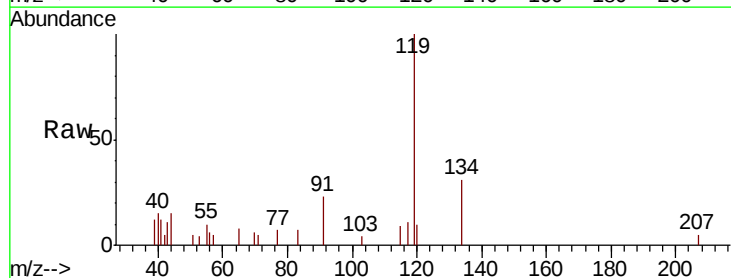
Tgt Ion:119 Resp: 5361

Ion Ratio Lower Upper

119 100

91 22.9 0.0 125.4

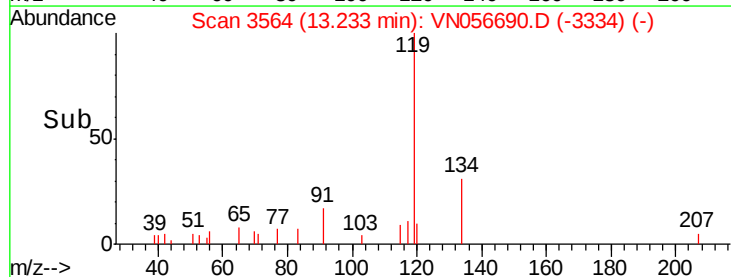
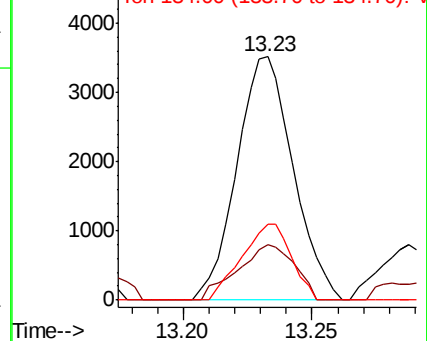
134 27.4 0.0 48.4

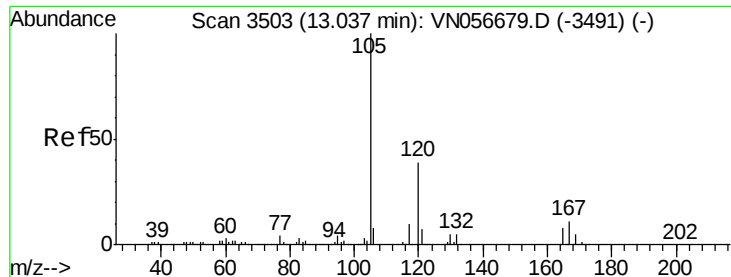


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

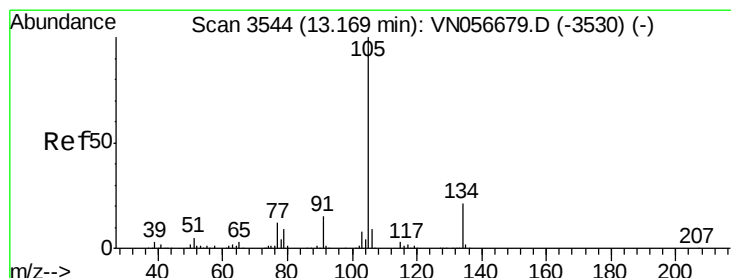
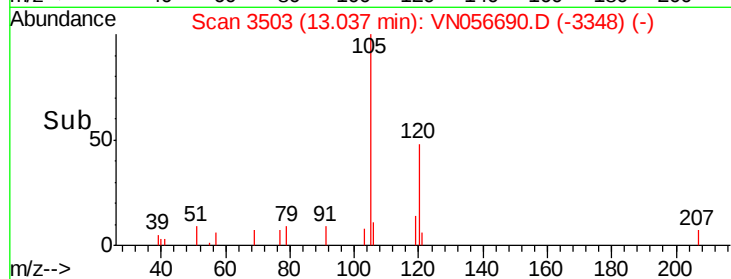
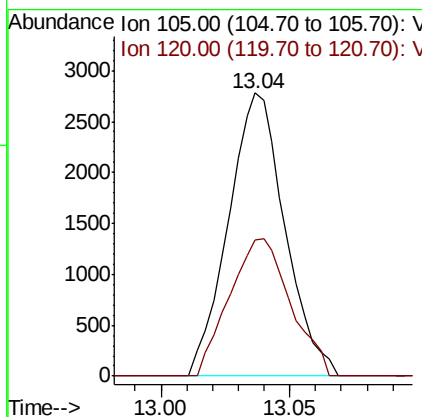
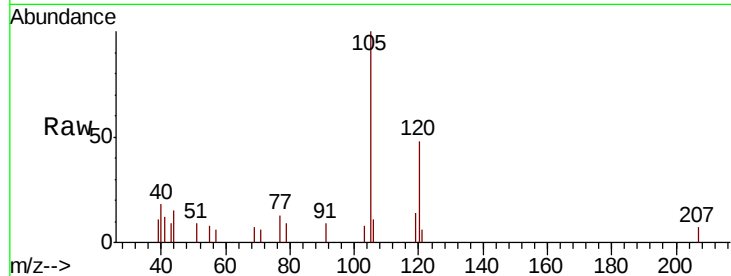




#80
 1,2,4-Trimethylbenzene
 Concen: 0.358 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

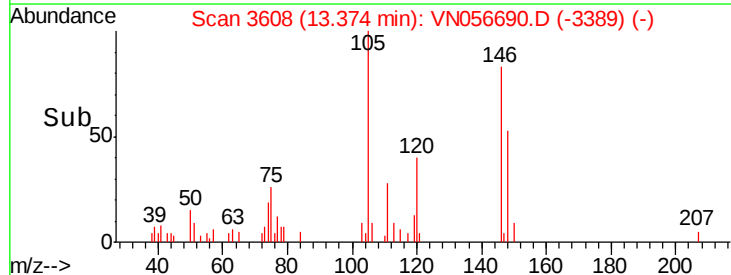
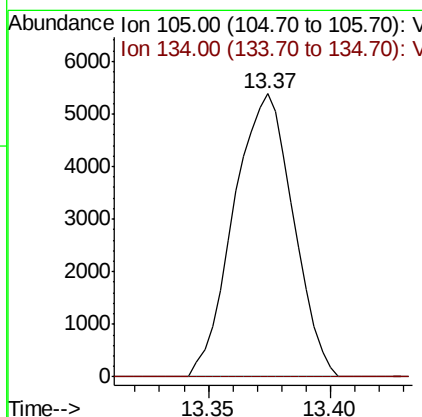
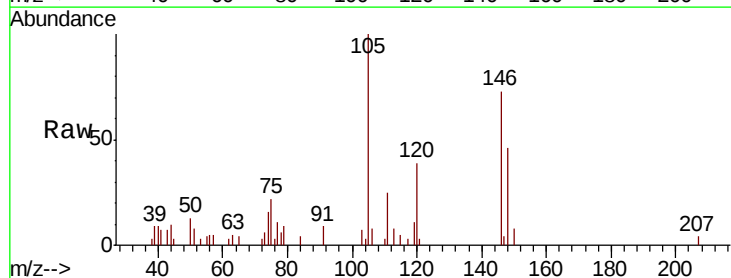
Instrument :
 MSVOA_N
 ClientSampled :

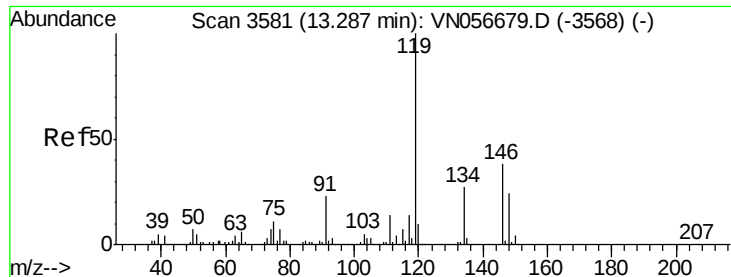
Tot Ion:105 Resp: 4249
 Ion Ratio Lower Upper
 105 100
 120 52.5 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 0.675 ug/l
 RT: 13.37 min Scan# 3608
 Delta R.T. 0.21 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion:105 Resp: 9112
 Ion Ratio Lower Upper
 105 100
 134 1.9 0.0 40.8





#82

p-Isopropyltoluene

Concen: 0.437 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

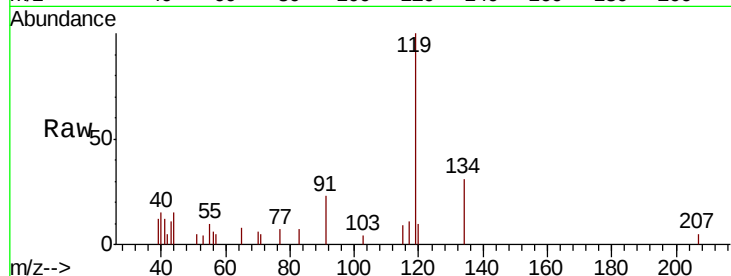
Tot Ion:119 Resp: 5361

Ion Ratio Lower Upper

119 100

134 27.4 0.0 52.8

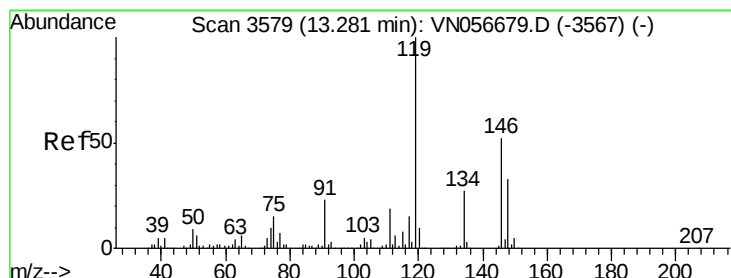
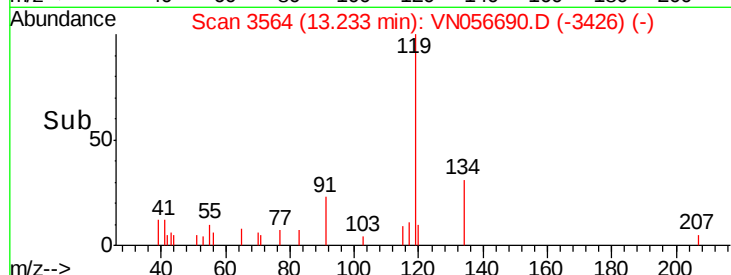
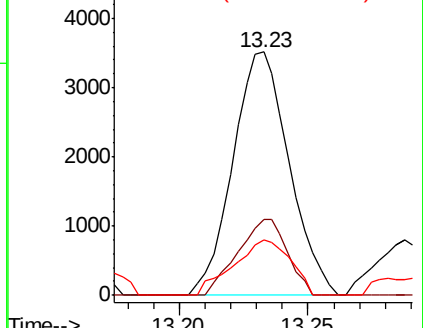
91 22.9 0.0 45.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 1.804 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.08 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

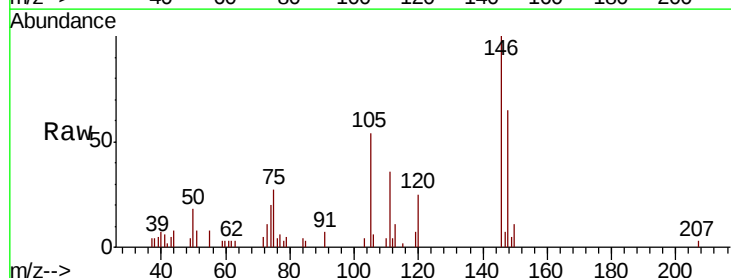
Tgt Ion:146 Resp: 11036

Ion Ratio Lower Upper

146 100

111 34.6 18.7 56.1

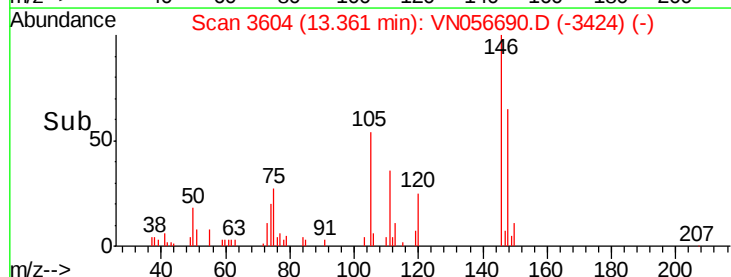
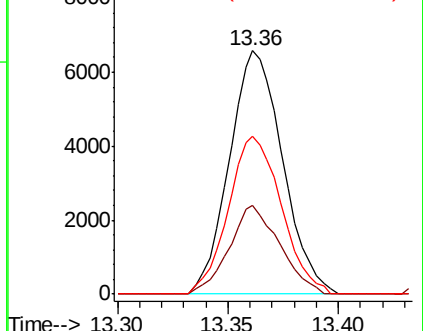
148 64.6 31.8 95.4

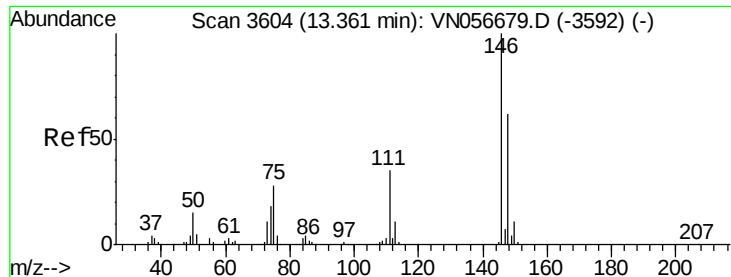


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 1.882 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

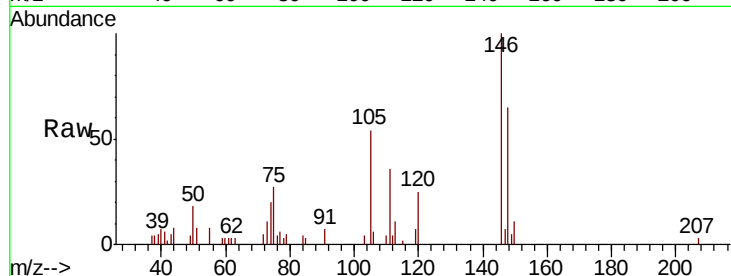
Tot Ion:146 Resp: 11036

Ion Ratio Lower Upper

146 100

111 34.6 17.8 53.4

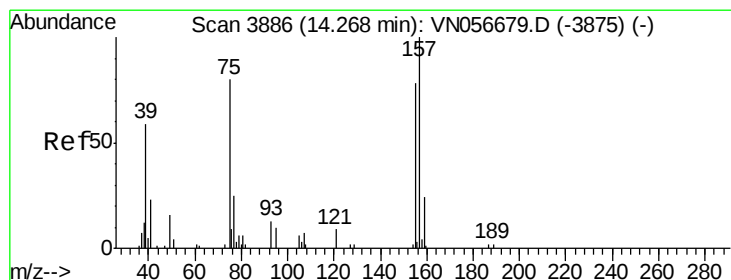
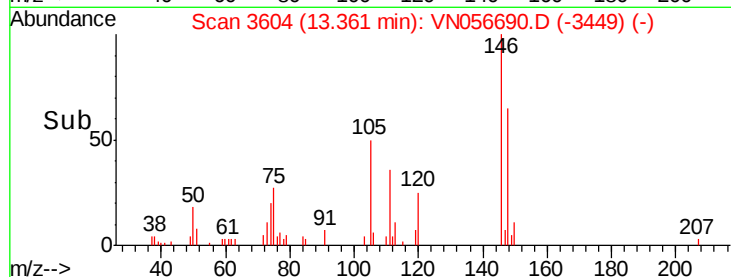
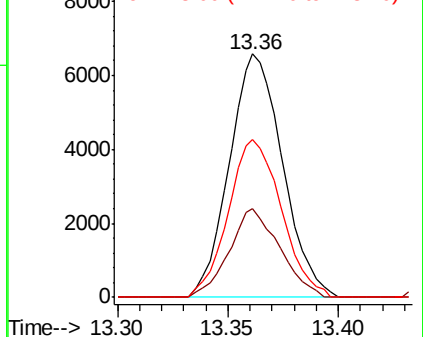
148 64.6 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 1.551 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.39 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

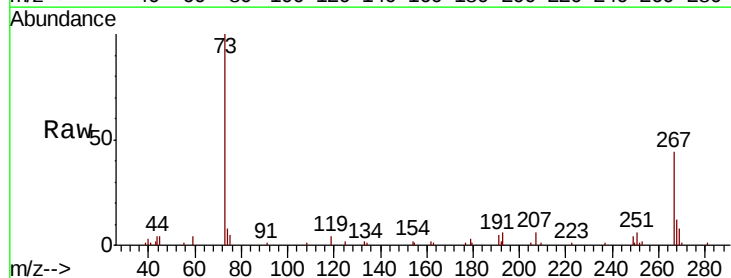
Tgt Ion: 75 Resp: 1220

Ion Ratio Lower Upper

75 100

155 8.6 78.6 117.8#

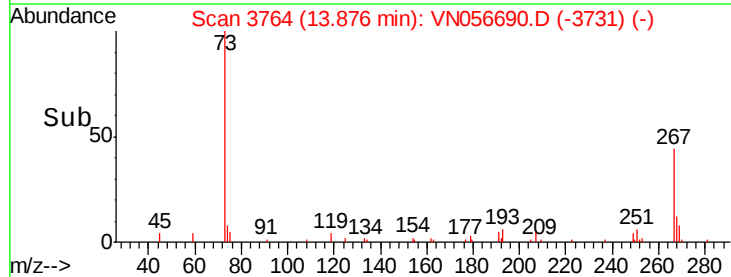
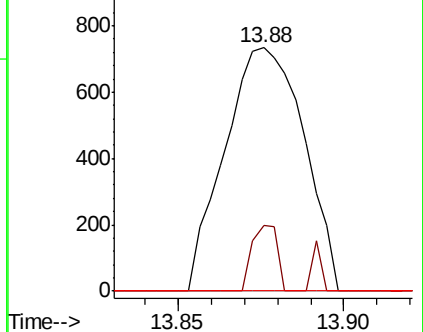
157 0.0 99.3 148.9#

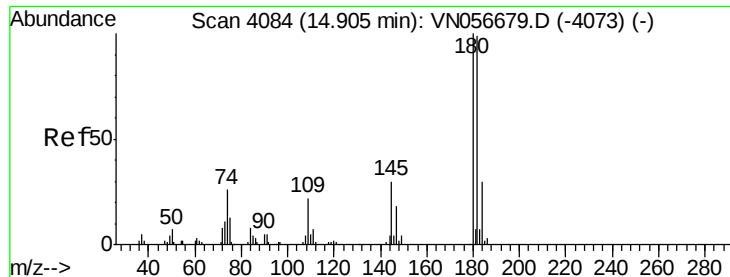


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

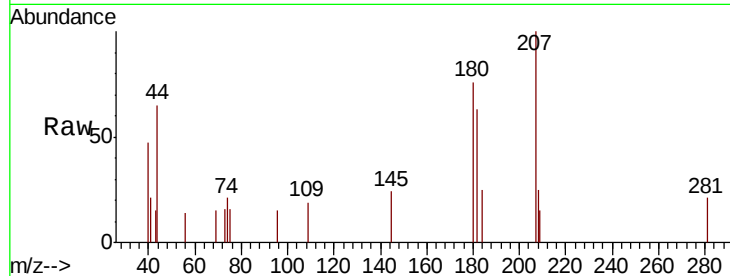




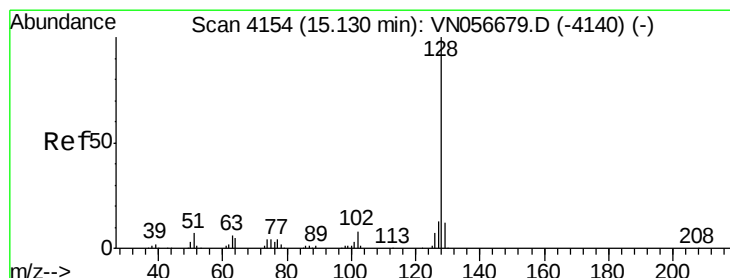
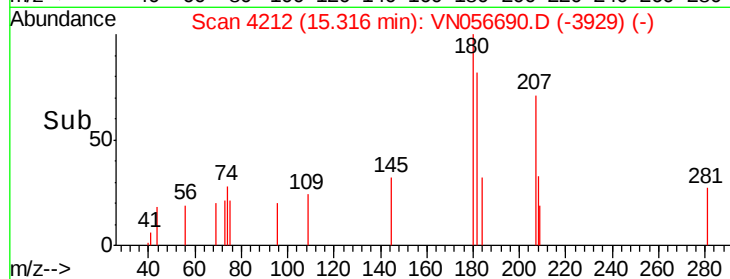
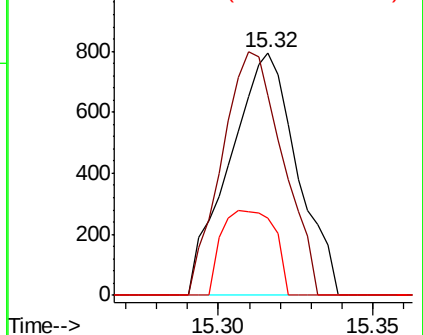
#89
 1,2,4-Trichlorobenzene
 Concen: 0.365 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.41 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1208
 Ion Ratio Lower Upper
 180 100
 182 90.7 78.2 117.4
 145 27.5 23.2 34.8

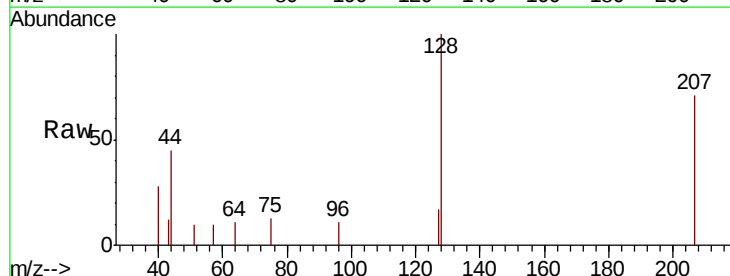


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

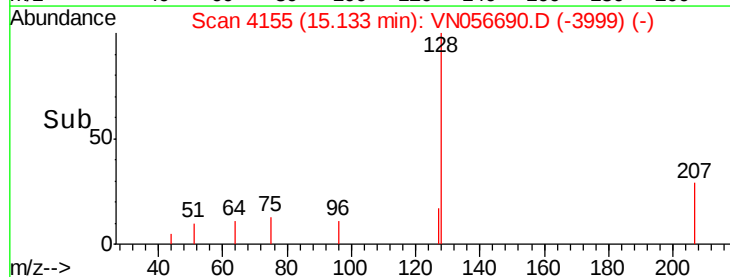
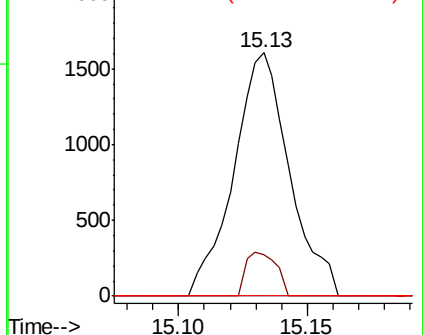


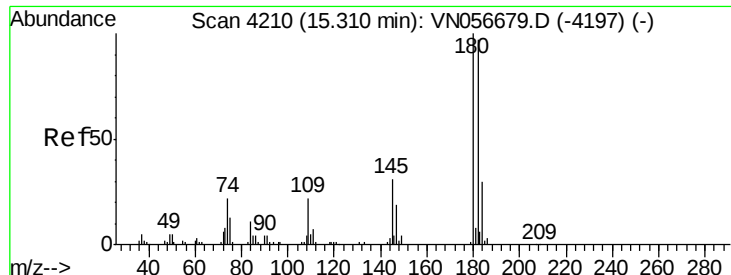
#91
 Naphthalene
 Concen: 0.273 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion:128 Resp: 2430
 Ion Ratio Lower Upper
 128 100
 127 9.8 10.4 15.6#
 129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

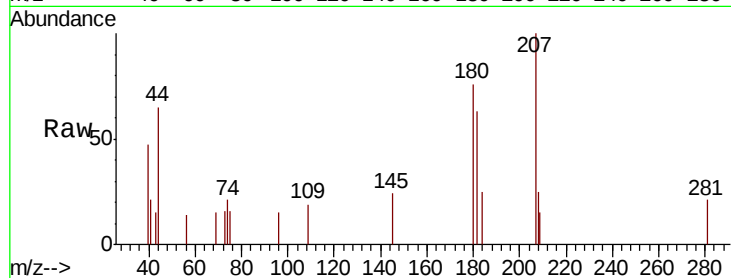




#92
 1,2,3-Trichlorobenzene
 Concen: 0.348 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1208
 Ion Ratio Lower Upper
 180 100
 182 90.7 0.0 192.4
 145 27.5 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

