

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056691.D
 Acq On : 12 Jul 2019 16:17
 Operator : JC/SP
 Sample : K3780-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:11:23 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	49829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	270134	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224826	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105394	31.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.10%
60) 4-Bromofluorobenzene	12.40	95	91527	26.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.67%
63) Toluene-d8	10.09	98	319994	31.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.83%

Target Compounds

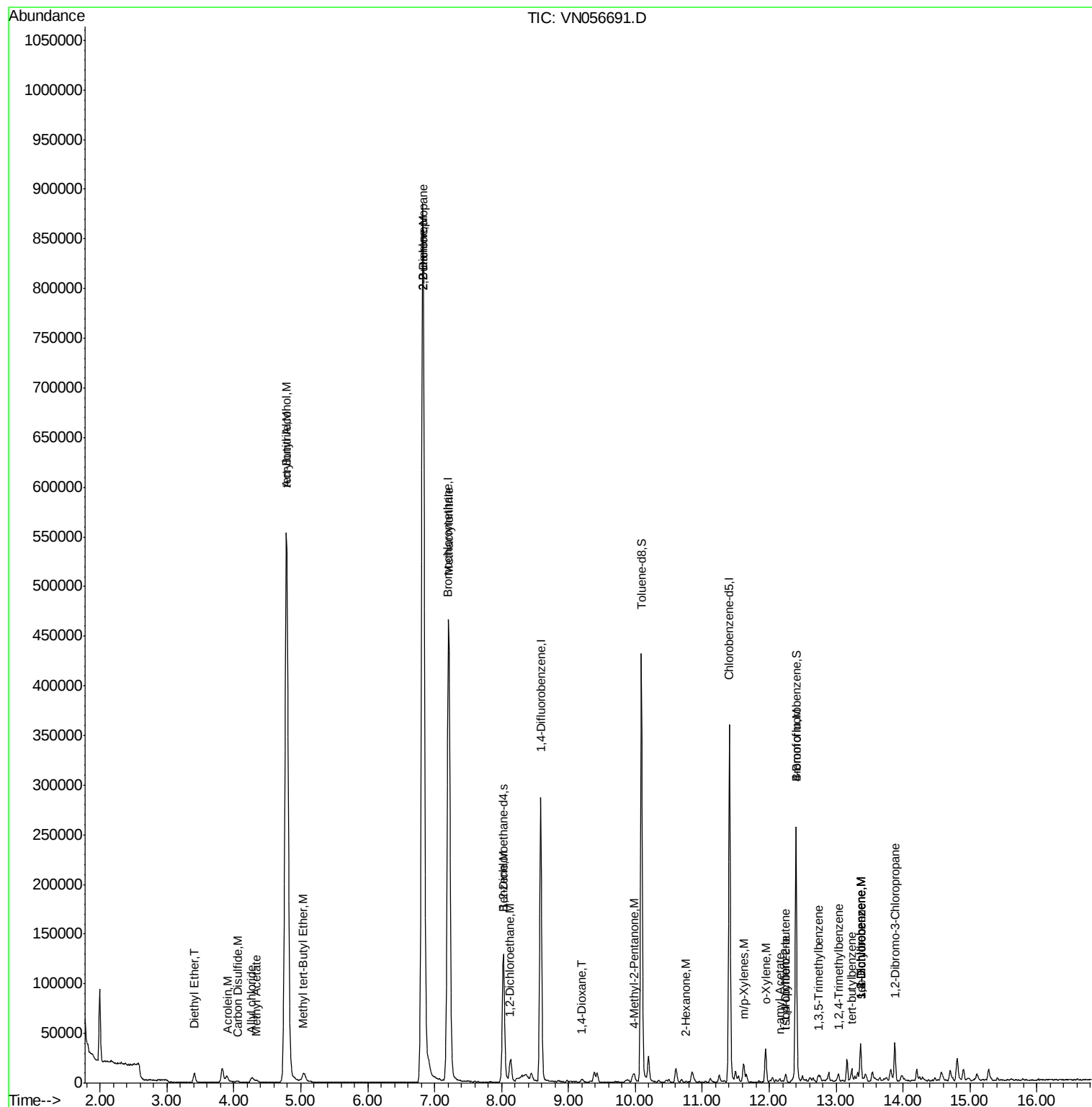
					Ovalue	
8) Diethyl Ether	3.41	74	4829	2.472	ug/l	99
12) Methyl Acetate	4.33	43	1340	0.341	ug/l #	52
13) Acrolein	3.92	56	104	0.375	ug/l #	14
14) Acrylonitrile	4.78	53	6682	3.856	ug/l #	1
16) Carbon Disulfide	4.05	76	1558	0.201	ug/l #	75
17) Allyl chloride	4.27	41	7979	1.552	ug/l #	38
23) tert-Butyl Alcohol	4.79	59	1031674	1706.596	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	6485	0.692	ug/l	92
30) 2-Butanone	6.82	43	42493	17.092	ug/l #	78
31) 2,2-Dichloropropane	6.82	77	65022	15.646	ug/l #	51
34) Benzene	8.04	78	4721	0.358	ug/l #	1
35) Methacrylonitrile	7.21	41	184704	97.250	ug/l #	45
36) 1,2-Dichloroethane	8.12	62	1580	0.373	ug/l #	74
45) 1,4-Dioxane	9.20	88	2436	34.363	ug/l #	93
47) n-amyl Acetate	12.15	43	2231	0.389	ug/l	93
56) Bromoform	12.40	173	758	0.308	ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	4964	1.173	ug/l #	89
59) 2-Hexanone	10.75	43	856	0.266	ug/l #	45
67) m/p-Xylenes	11.62	106	6460	1.199	ug/l	90
68) o-Xylene	11.95	106	9315	1.773	ug/l	100
70) Isopropylbenzene	12.25	105	4737	0.344	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	4343	0.370	ug/l	95
77) t-1,4-Dichloro-2-butene	12.24	75	421	0.331	ug/l #	11
79) tert-butylbenzene	13.23	119	6396	0.640	ug/l	51
80) 1,2,4-Trimethylbenzene	13.04	105	4484	0.385	ug/l	100
81) sec-Butylbenzene	13.37	105	9145	0.691	ug/l	58
83) 1,3-Dichlorobenzene	13.36	146	11172	1.863	ug/l	93
84) 1,4-Dichlorobenzene	13.36	146	11172	1.943	ug/l	92
87) 1,2-Dichlorobenzene	13.36	146	11172	1.853	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.87	75	711	0.922	ug/l #	1

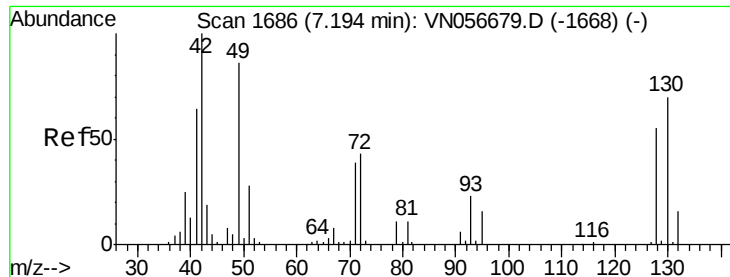
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1686

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :

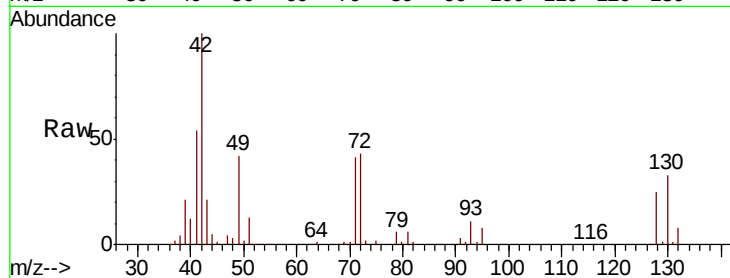
Tot Ion:128 Resp: 49829

Ion Ratio Lower Upper

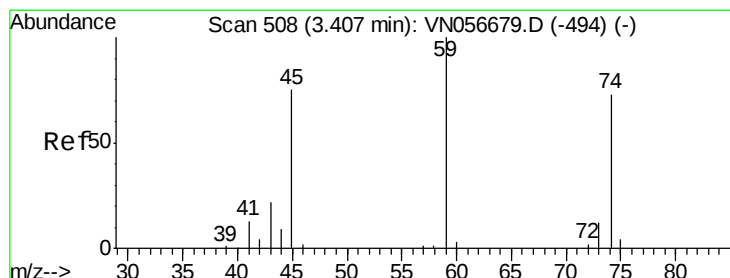
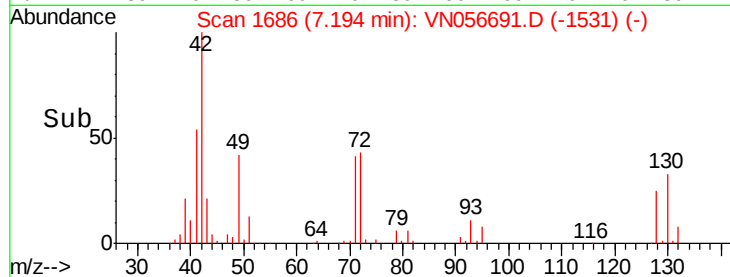
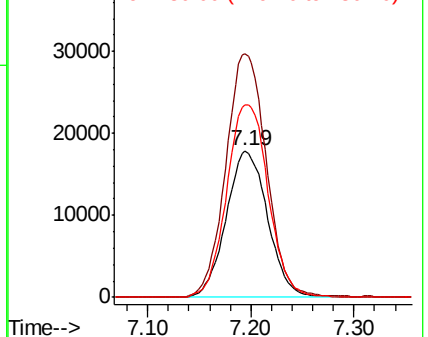
128 100

49 163.1 0.0 390.5

130 132.3 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: 2.472 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN056691.D

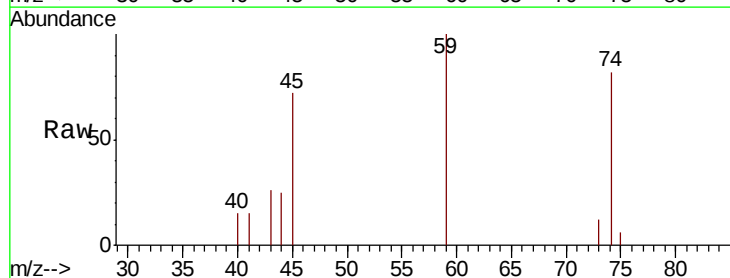
Acq: 12 Jul 2019 16:17

Tgt Ion: 74 Resp: 4829

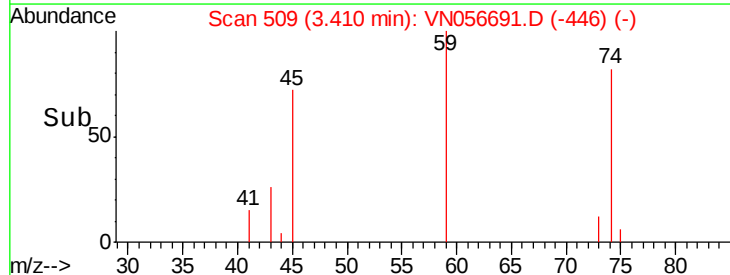
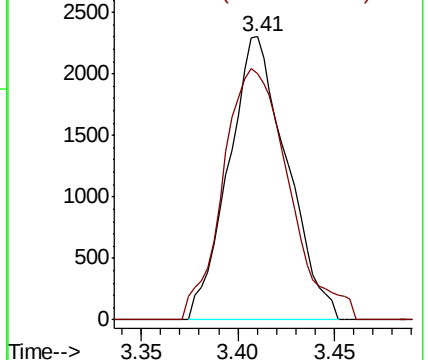
Ion Ratio Lower Upper

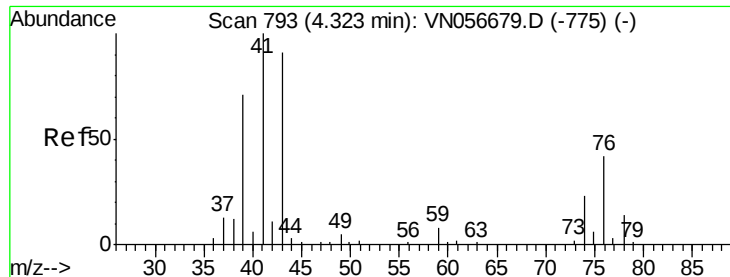
74 100

45 100.5 19.9 179.5



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

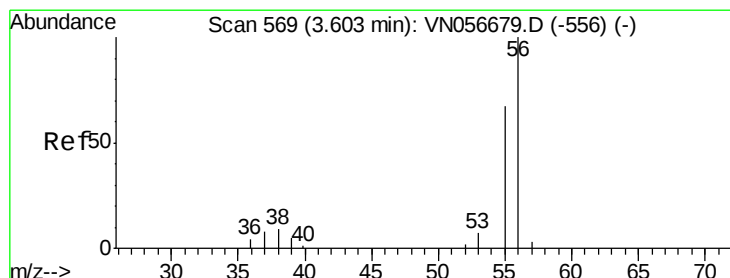
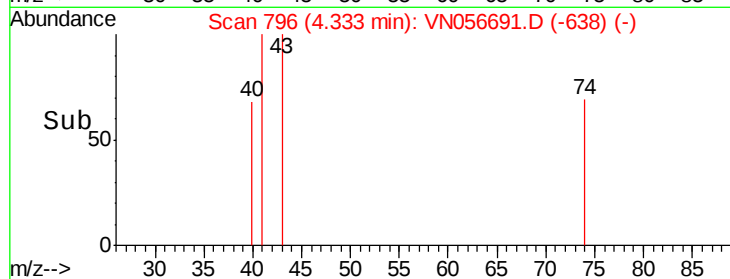
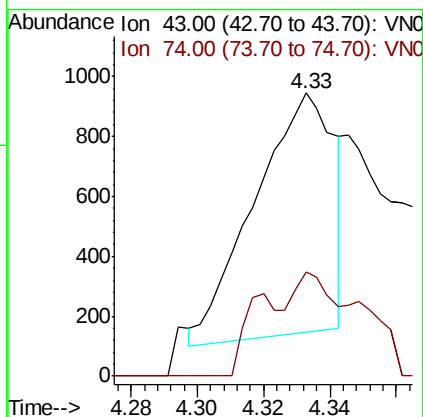
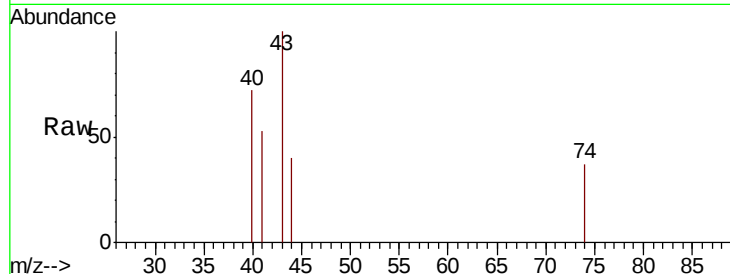




#12
Methyl Acetate
Concen: 0.341 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

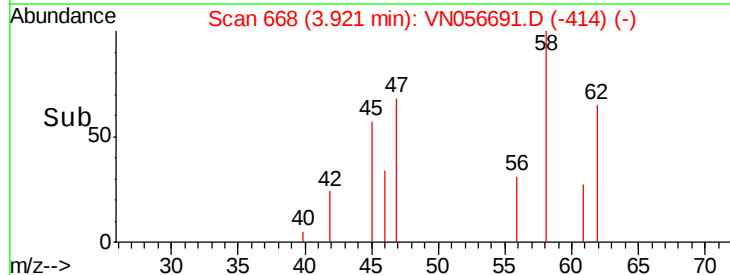
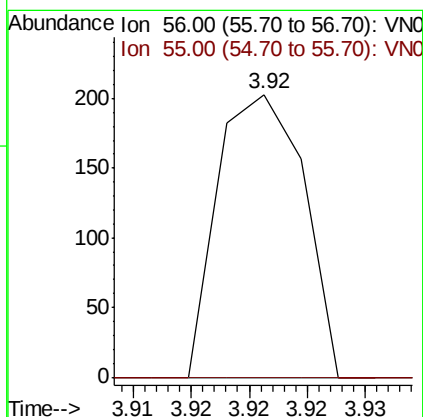
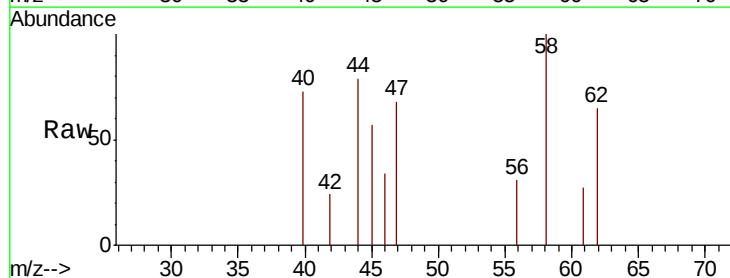
Instrument :
MSVOA_N
ClientSampled :

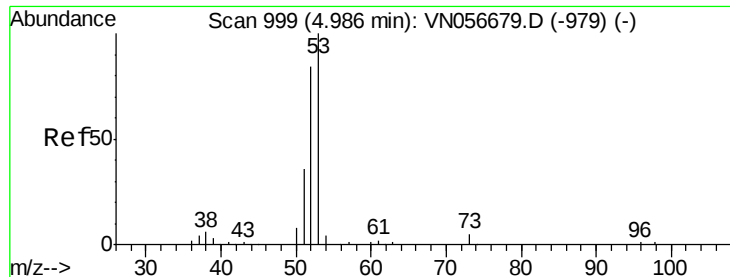
Tot Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
74 49.6 20.2 30.4#



#13
Acrolein
Concen: 0.375 ug/l
RT: 3.92 min Scan# 668
Delta R.T. 0.32 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#14

Acrylonitrile

Concen: 3.856 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.21 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

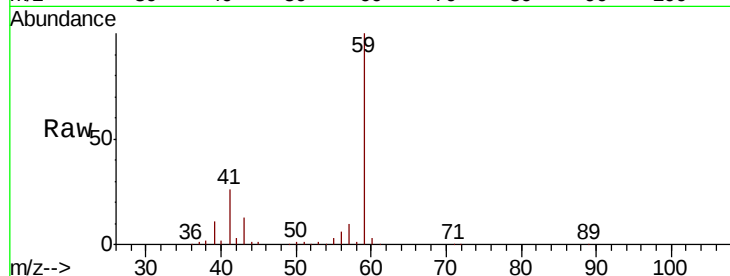
Tot Ion: 53 Resp: 6682

Ion Ratio Lower Upper

53 100

52 3.5 41.3 123.7#

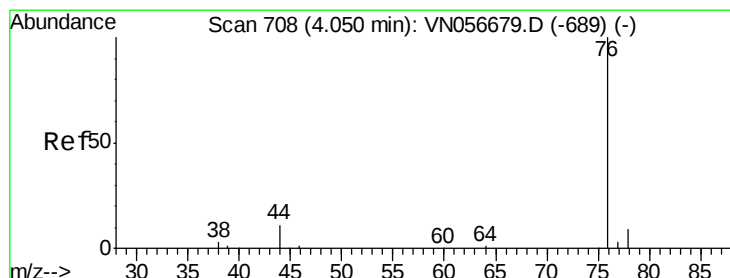
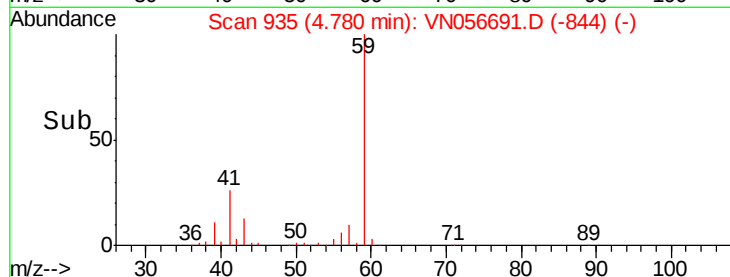
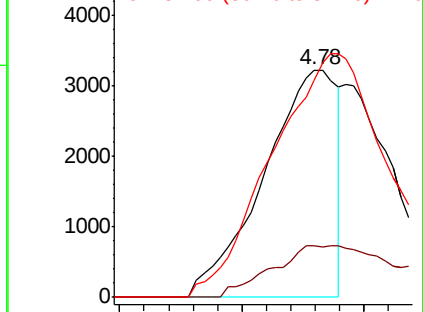
51 174.9 17.7 53.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Carbon Disulfide

Concen: 0.201 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056691.D

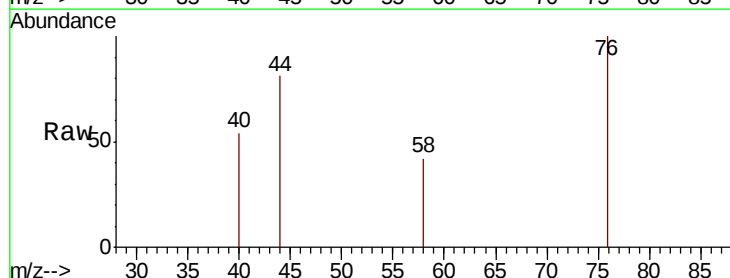
Acq: 12 Jul 2019 16:17

Tgt Ion: 76 Resp: 1558

Ion Ratio Lower Upper

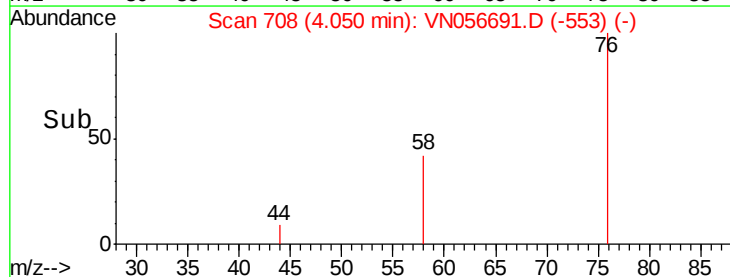
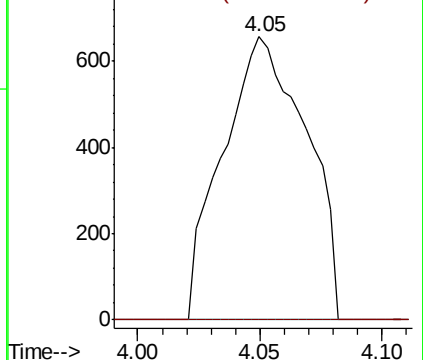
76 100

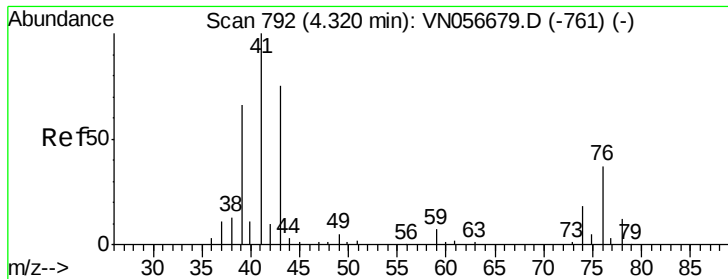
78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 1.552 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.05 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

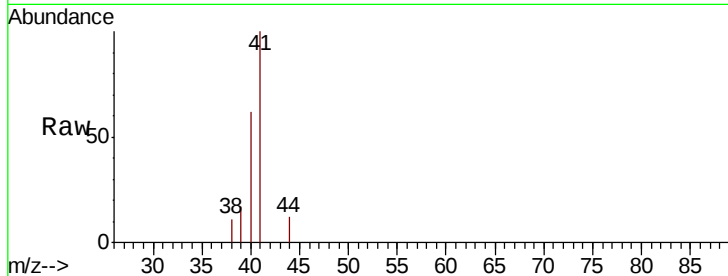
Tot Ion: 41 Resp: 7979

Ion Ratio Lower Upper

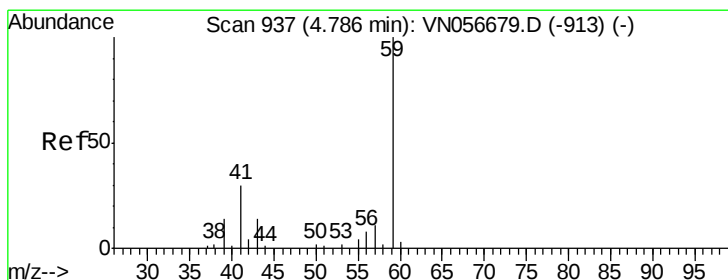
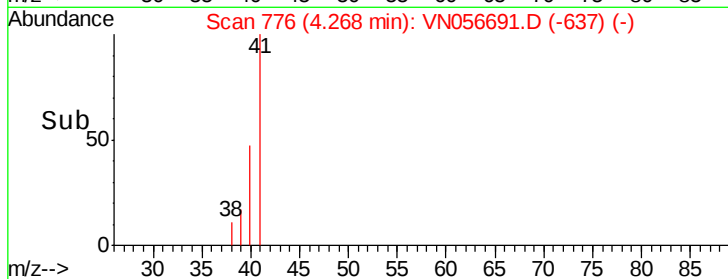
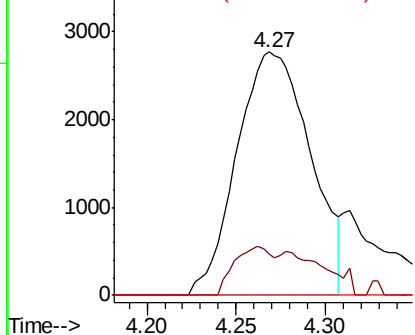
41 100

39 16.8 32.8 98.4#

76 0.0 18.5 55.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#23

tert-Butyl Alcohol

Concen: 1706.596 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN056691.D

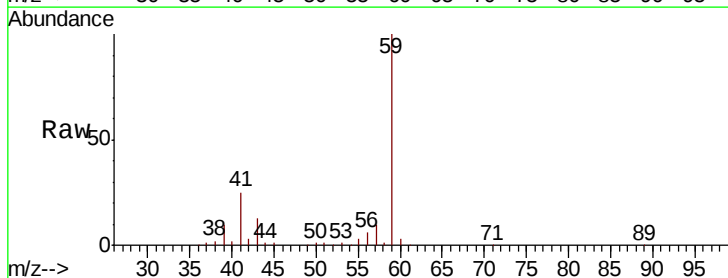
Acq: 12 Jul 2019 16:17

Tgt Ion: 59 Resp: 1031674

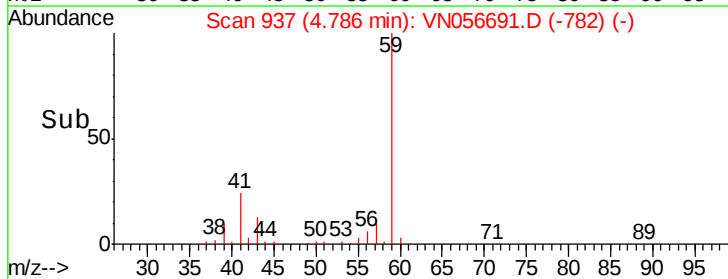
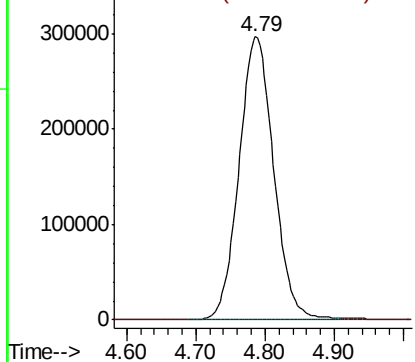
Ion Ratio Lower Upper

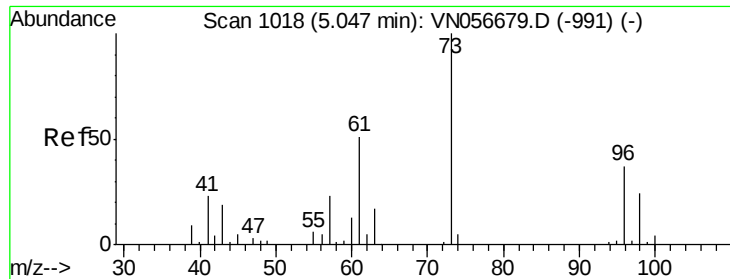
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



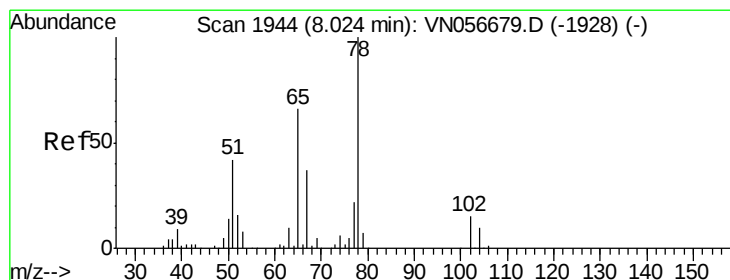
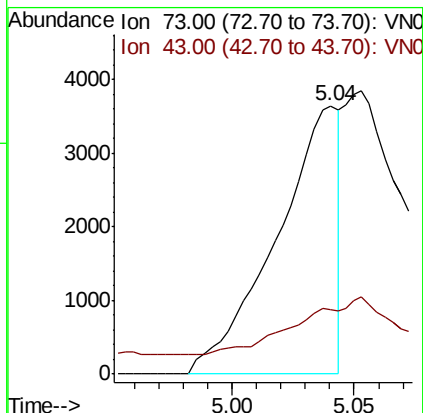
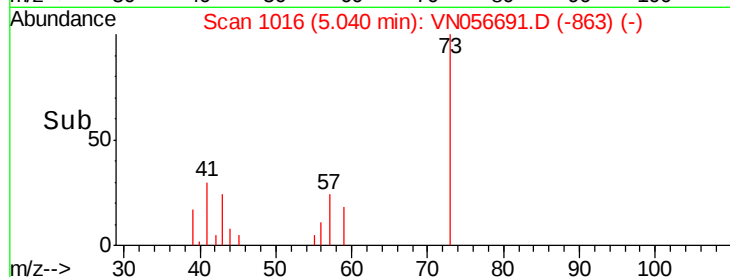
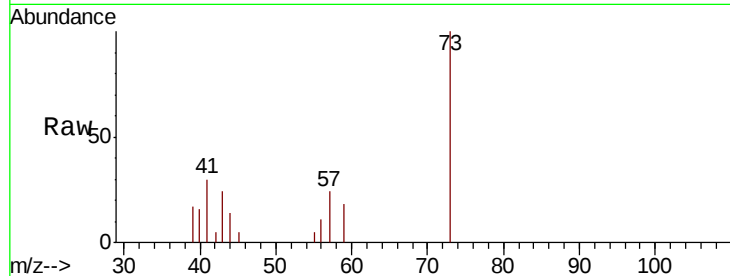


#24

Methyl tert-Butyl Ether
 Concen: 0.692 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :

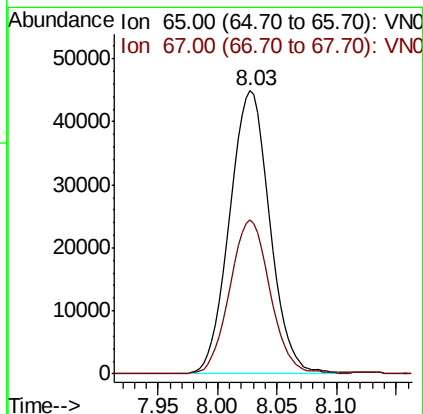
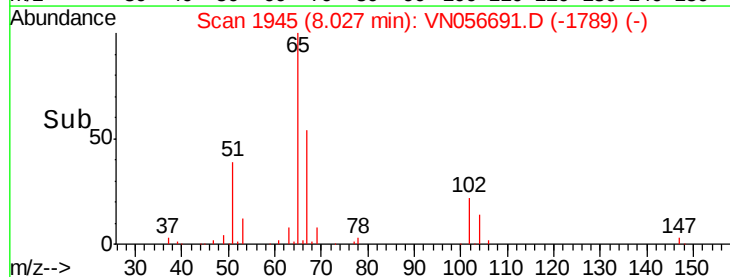
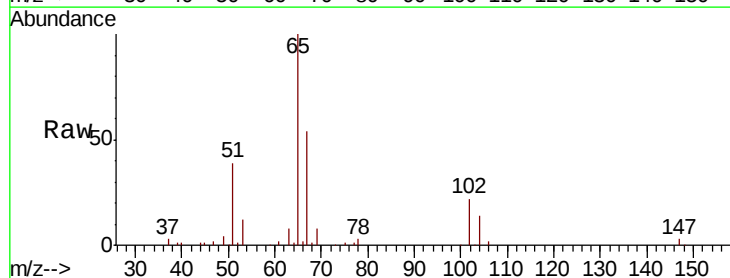
Tot Ion: 73 Resp: 6485
 Ion Ratio Lower Upper
 73 100
 43 15.3 15.1 22.7

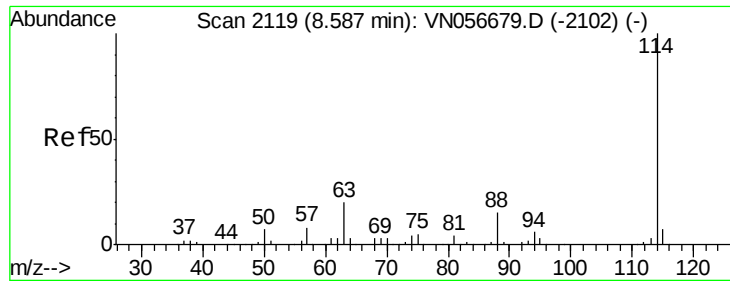


#27

1,2-Dichloroethane-d4
 Concen: 31.225 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 65 Resp: 105394
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0

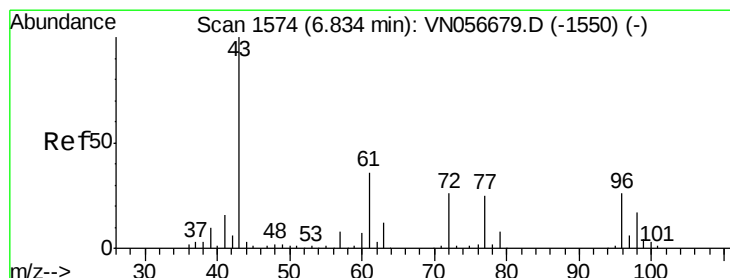
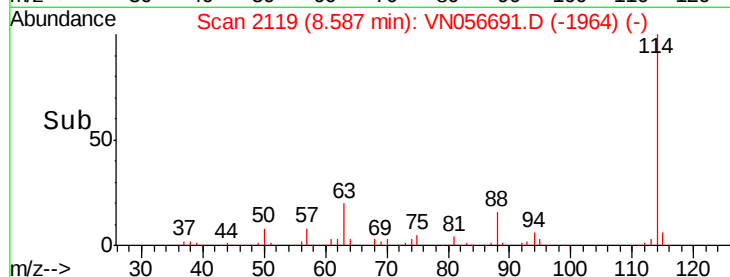
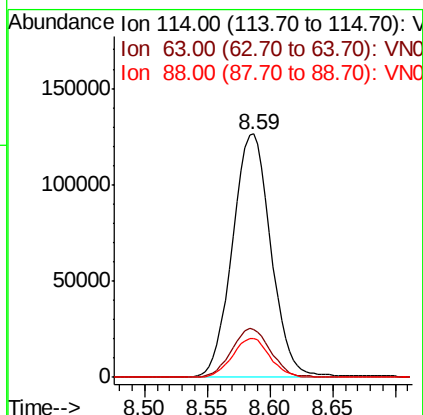
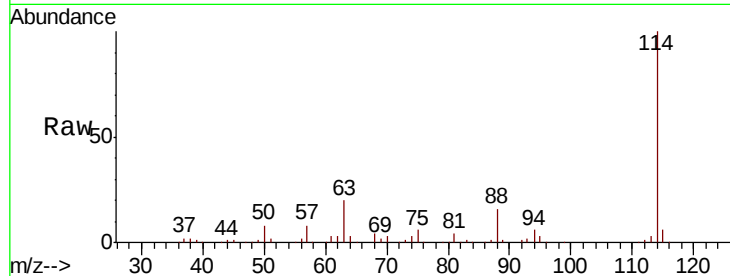




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

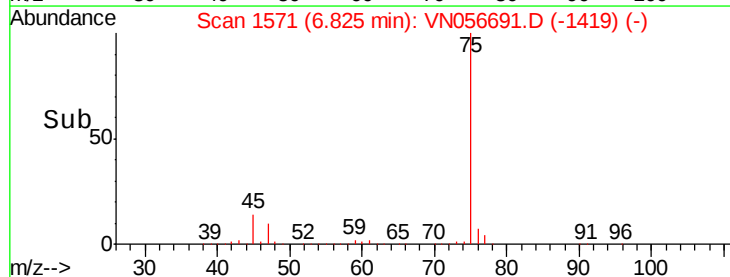
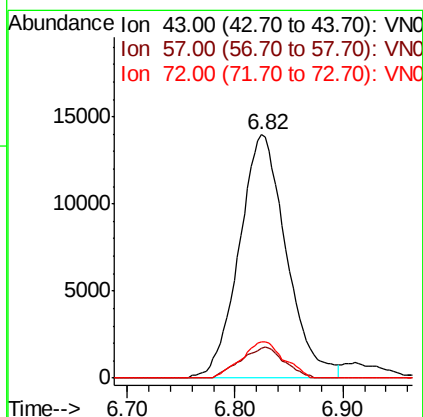
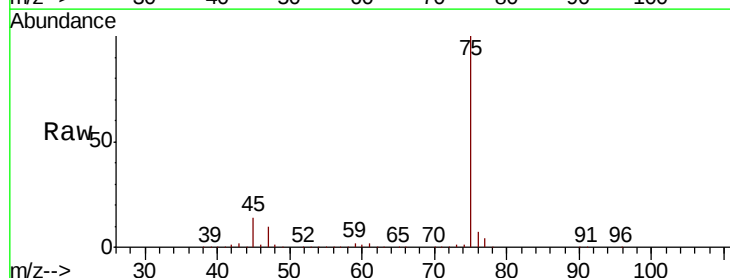
Instrument :
 MSVOA_N
 ClientSampleId :

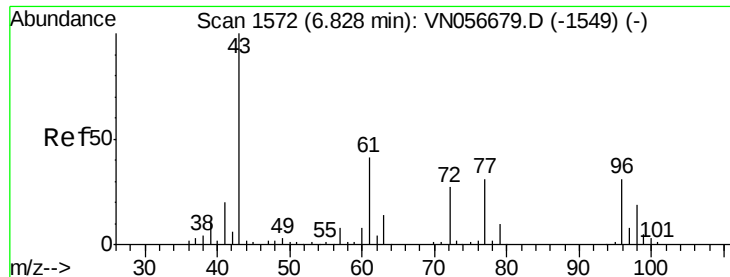
Tot Ion:114 Resp: 270134
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.6 12.3 18.5



#30
 2-Butanone
 Concen: 17.092 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 43 Resp: 42493
 Ion Ratio Lower Upper
 43 100
 57 11.9 6.6 10.0#
 72 13.5 21.3 31.9#





#31

2,2-Dichloropropane

Concen: 15.646 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

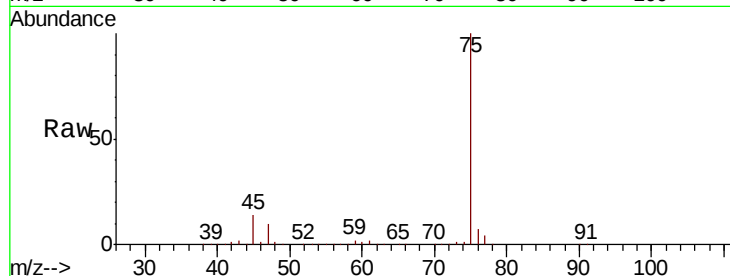
ClientSampled :

Tot Ion: 77 Resp: 65022

Ion Ratio Lower Upper

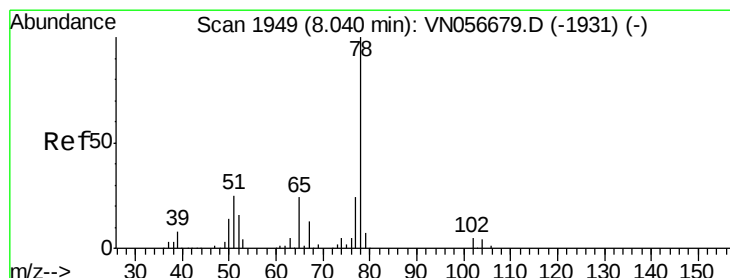
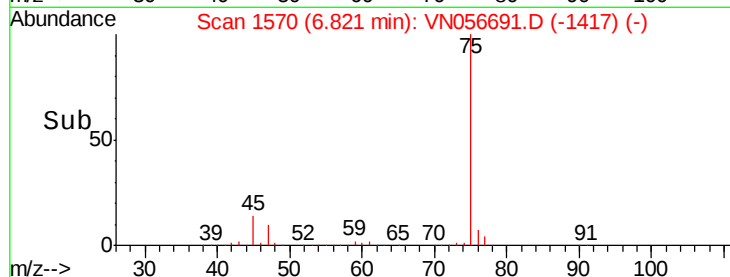
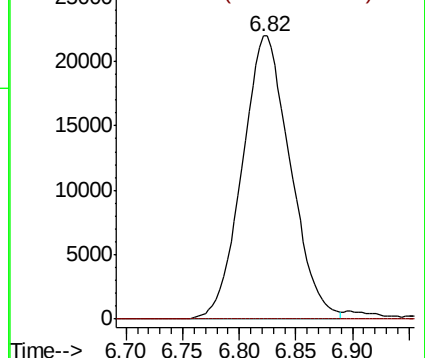
77 100

97 0.0 19.7 29.5#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#34

Benzene

Concen: 0.358 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

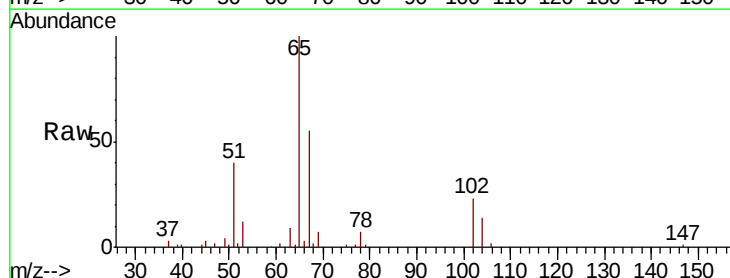
Tgt Ion: 78 Resp: 4721

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.4

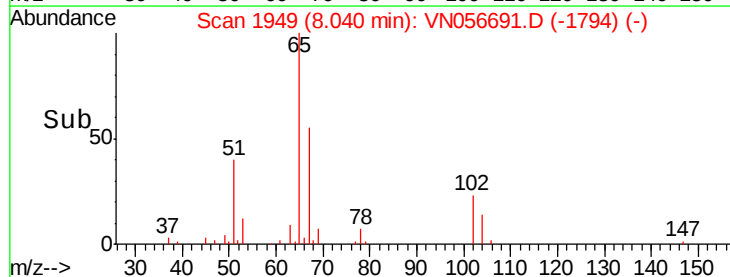
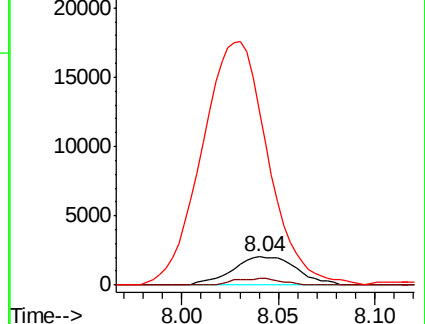
51 595.9 19.7 29.5#

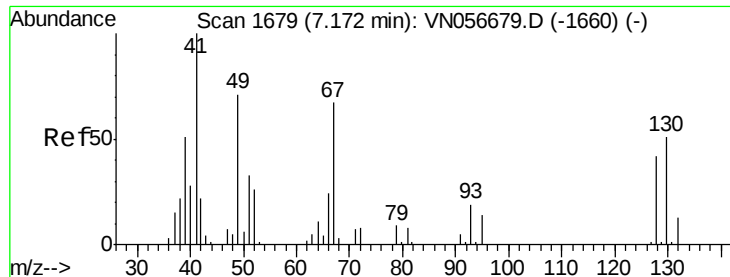


Abundance Ion 78.10 (77.80 to 78.80): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

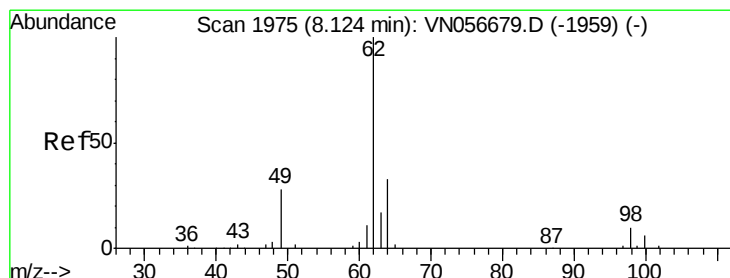
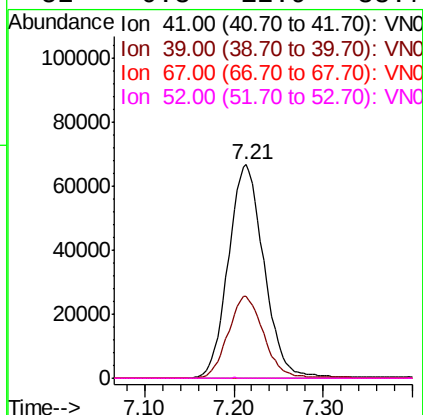
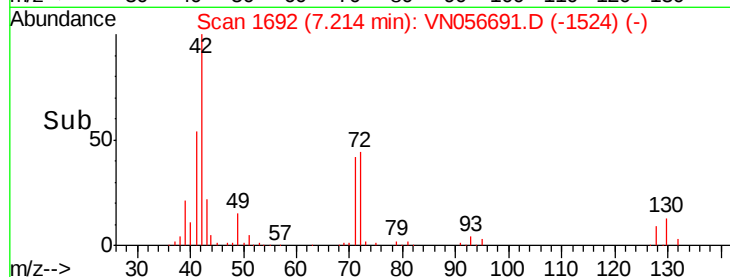
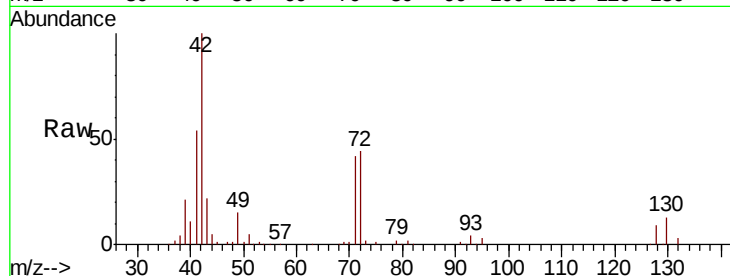




#35
Methacrylonitrile
Concen: 97.250 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

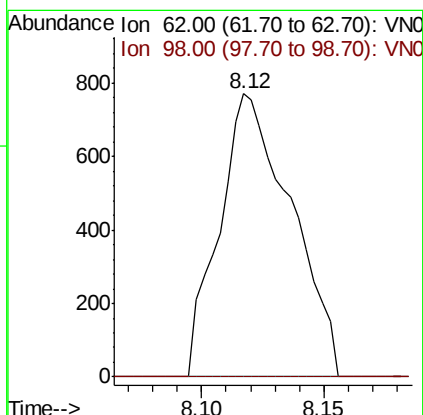
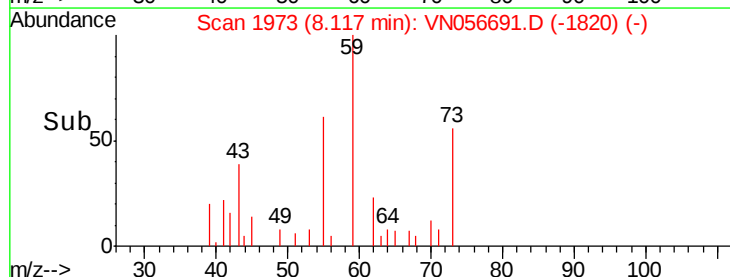
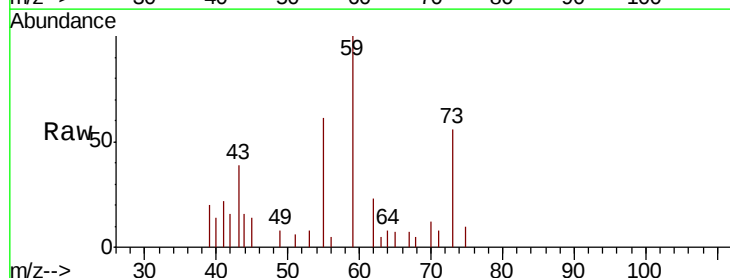
Instrument :
MSVOA_N
ClientSampled :

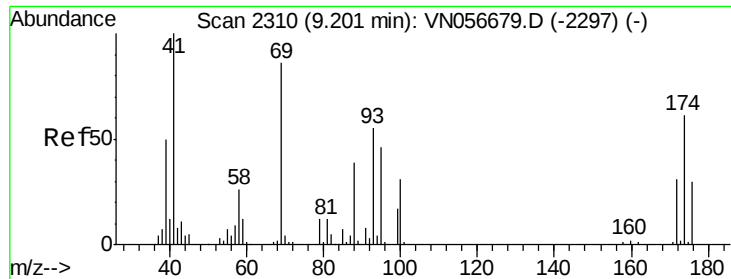
Tot Ion: 41 Resp: 184704
Ion Ratio Lower Upper
41 100
39 38.2 25.4 76.2
67 0.0 33.6 100.8#
52 0.3 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 0.373 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.01 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion: 62 Resp: 1580
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#





#45

1,4-Dioxane

Concen: 34.363 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :
MSVOA_N
ClientSampled :

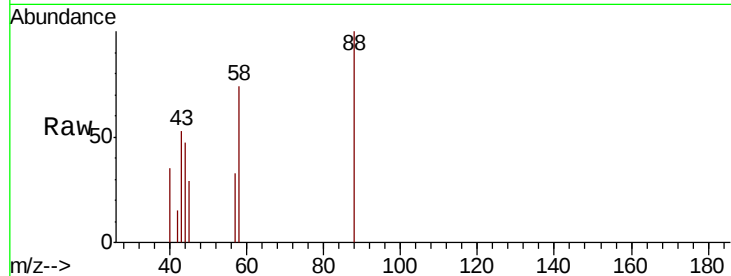
Tot Ion: 88 Resp: 2436

Ion Ratio Lower Upper

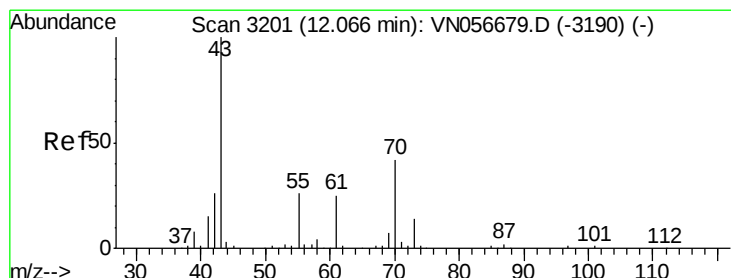
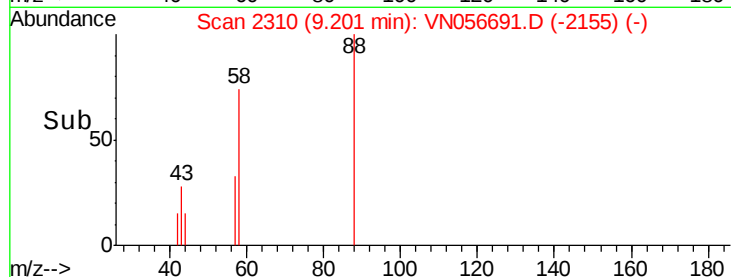
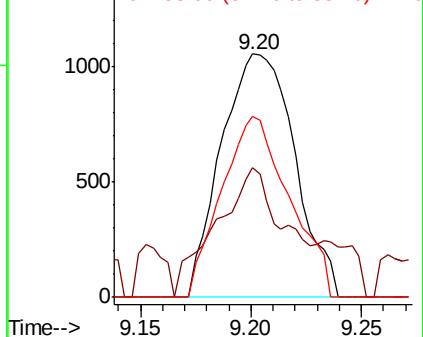
88 100

43 40.9 23.0 34.6#

58 68.8 54.6 81.8



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#47

n-amyl Acetate

Concen: 0.389 ug/l

RT: 12.15 min Scan# 3227

Delta R.T. 0.08 min

Lab File: VN056691.D

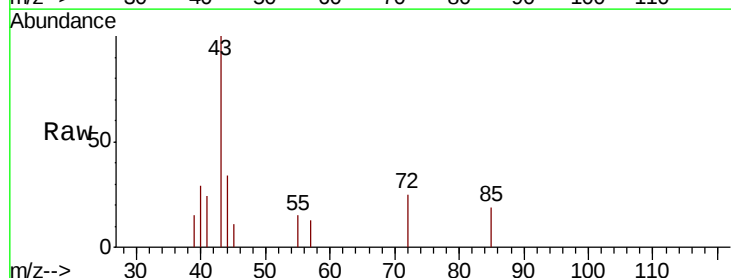
Acq: 12 Jul 2019 16:17

Tgt Ion: 43 Resp: 2231

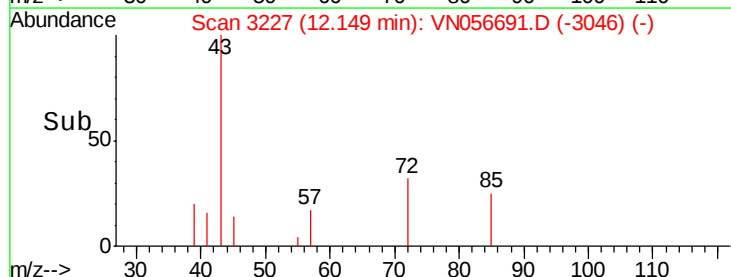
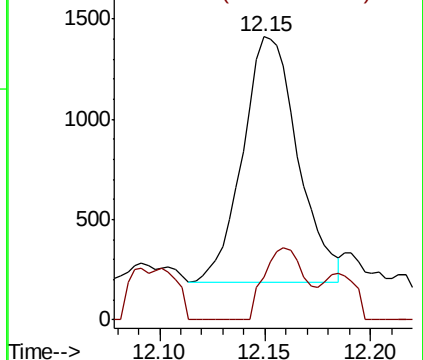
Ion Ratio Lower Upper

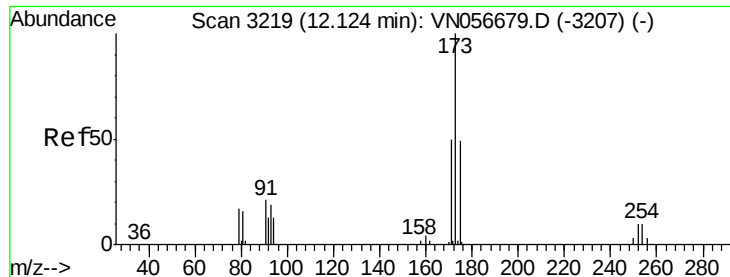
43 100

55 22.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

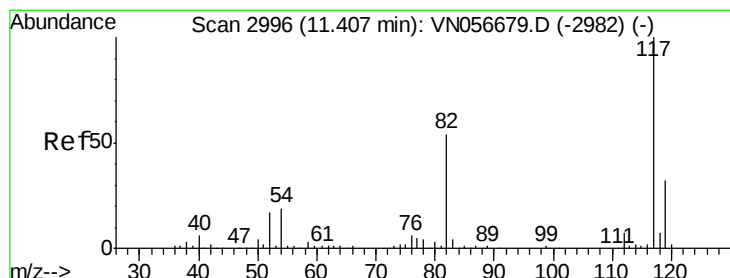
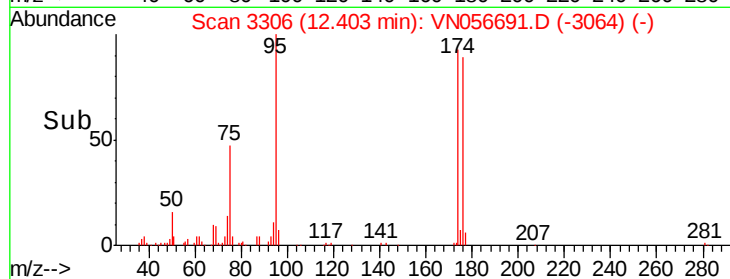
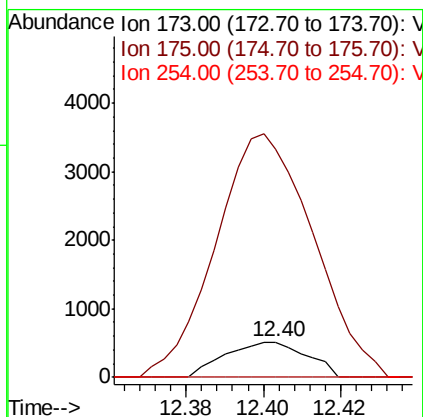
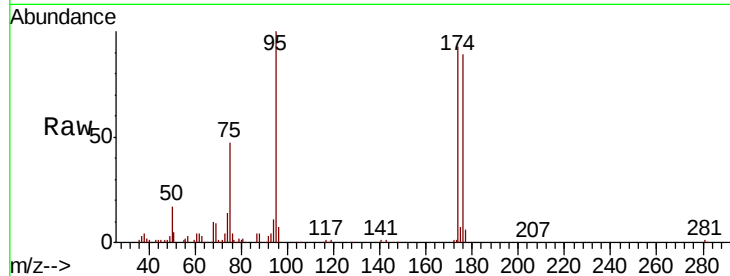




#56
Bromoform
Concen: 0.308 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

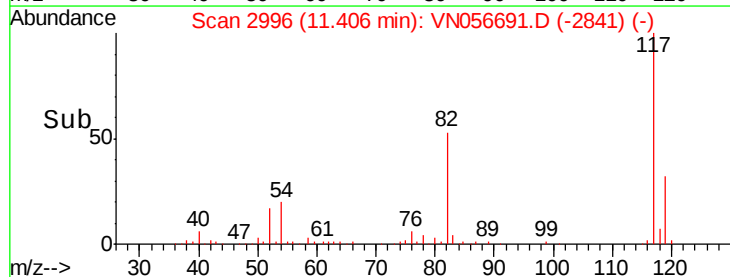
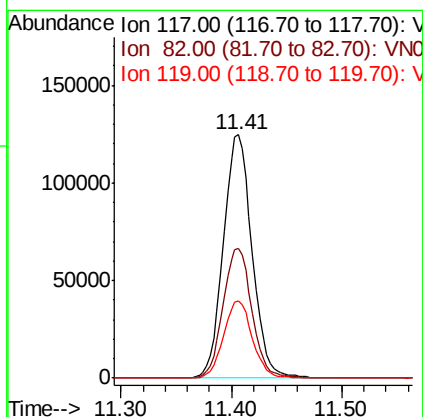
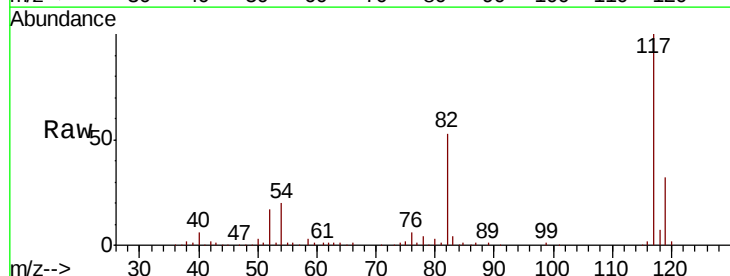
Instrument :
MSVOA_N
ClientSampleId :

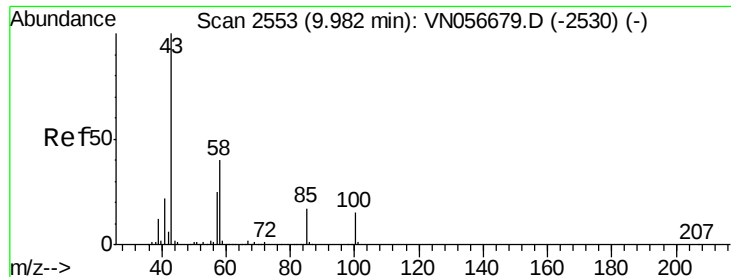
Tot Ion:173 Resp: 758
Ion Ratio Lower Upper
173 100
175 822.2 39.7 59.5#
254 0.0 7.8 11.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion:117 Resp: 224826
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.7 26.0 39.0

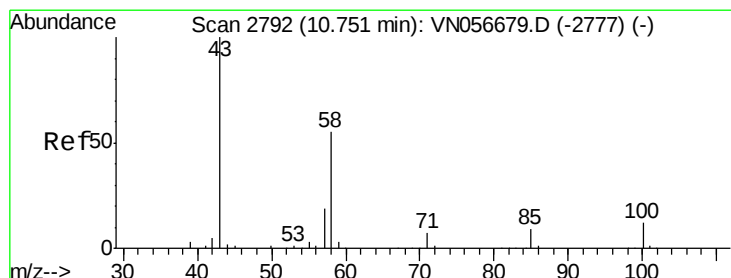
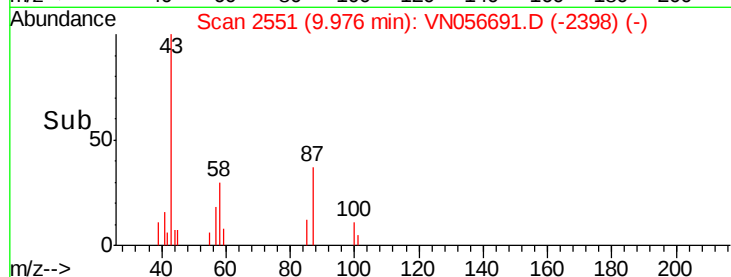
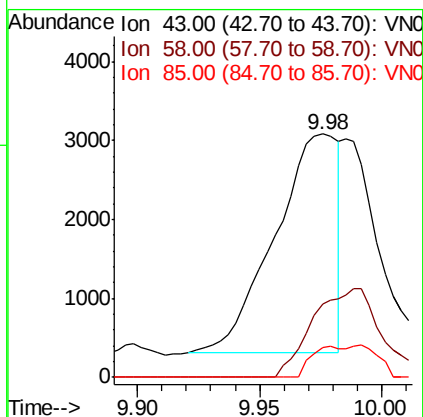
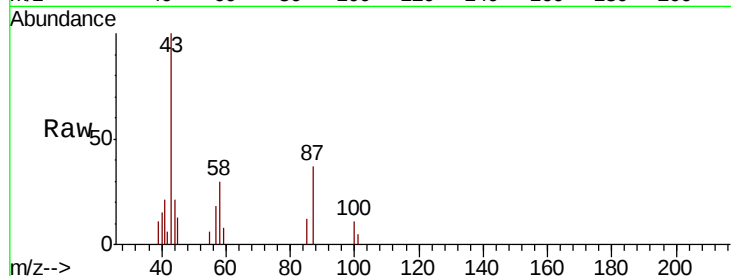




#58
 4-Methyl-2-Pentanone
 Concen: 1.173 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

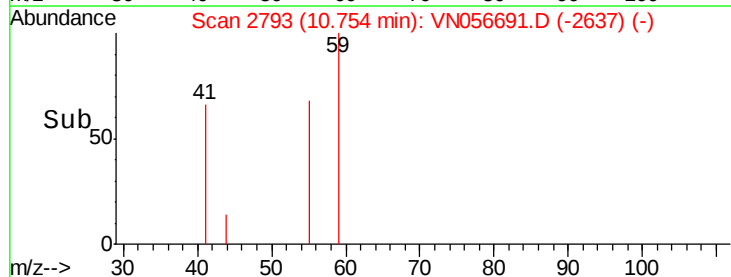
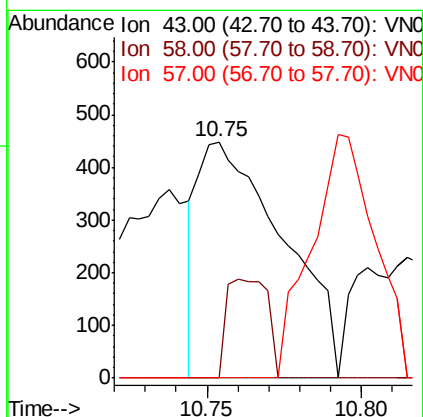
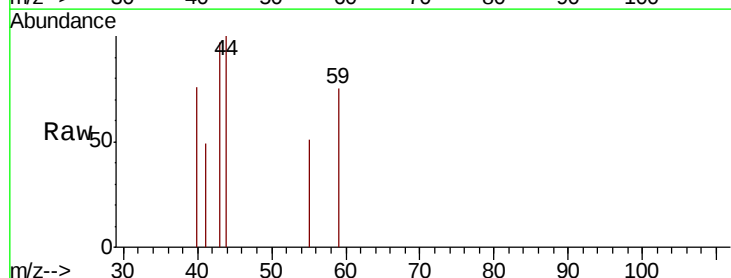
Instrument :
 MSVOA_N
 ClientSampled :

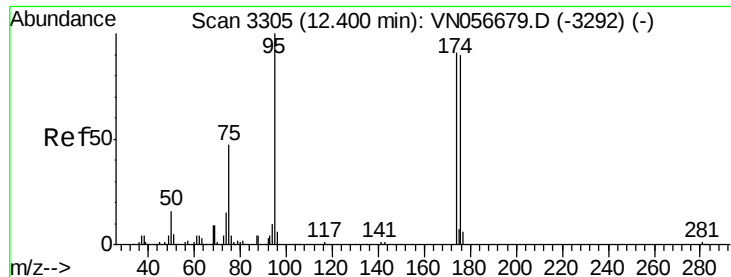
Tot Ion: 43 Resp: 4964
 Ion Ratio Lower Upper
 43 100
 58 43.9 31.9 47.9
 85 7.8 14.2 21.4#



#59
 2-Hexanone
 Concen: 0.266 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 43 Resp: 856
 Ion Ratio Lower Upper
 43 100
 58 12.4 44.4 66.6#
 57 0.0 15.2 22.8#





#60

4-Bromofluorobenzene

Concen: 26.600 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

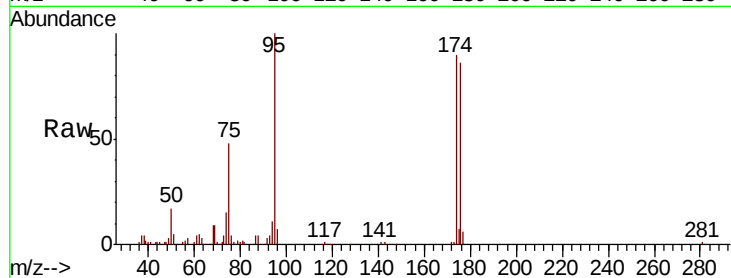
Tot Ion: 95 Resp: 91527

Ion Ratio Lower Upper

95 100

174 89.1 72.6 108.8

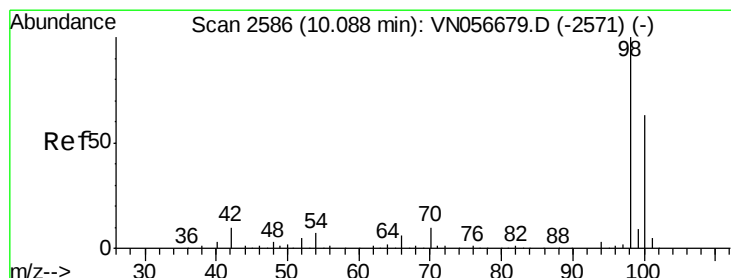
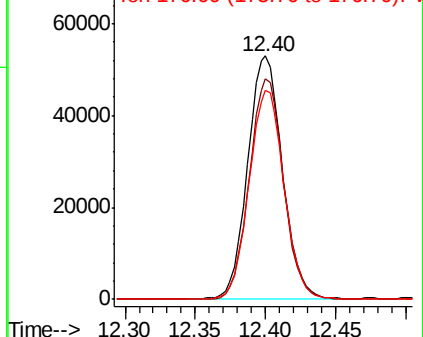
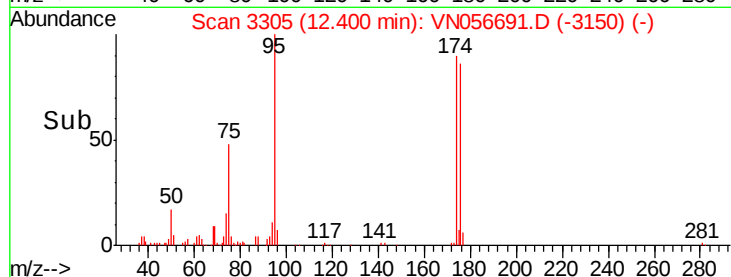
176 86.3 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN056691.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056691.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056691.D (-3150) (-)



#63

Toluene-d8

Concen: 31.150 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056691.D

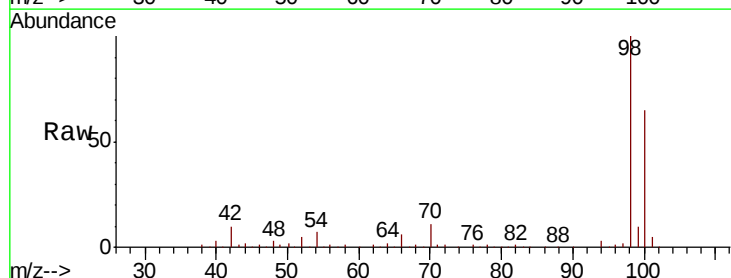
Acq: 12 Jul 2019 16:17

Tgt Ion: 98 Resp: 319994

Ion Ratio Lower Upper

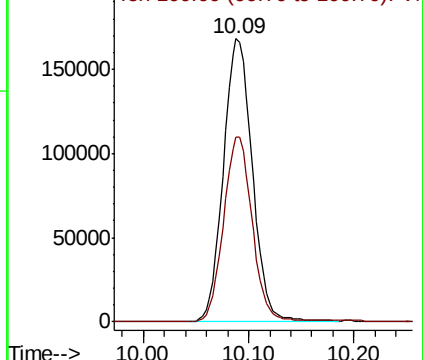
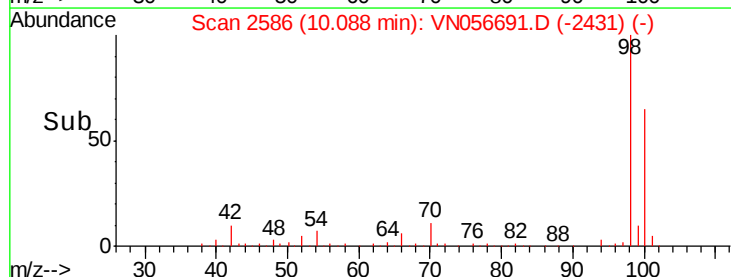
98 100

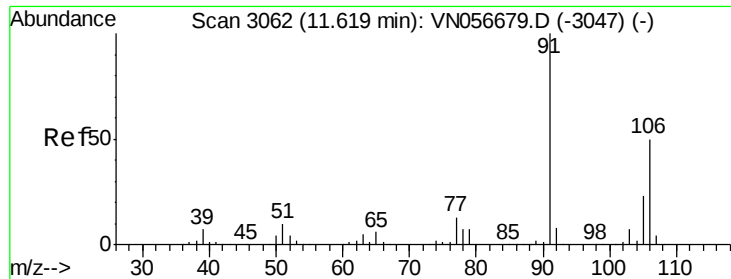
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056691.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN056691.D (-2431) (-)

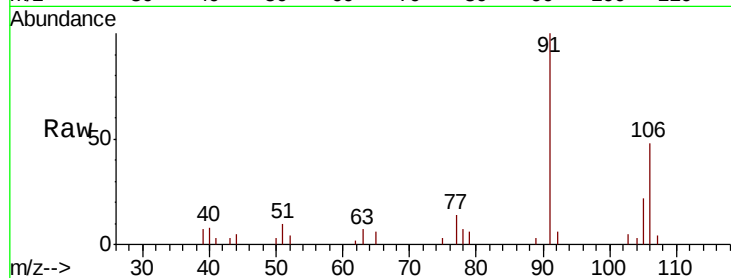




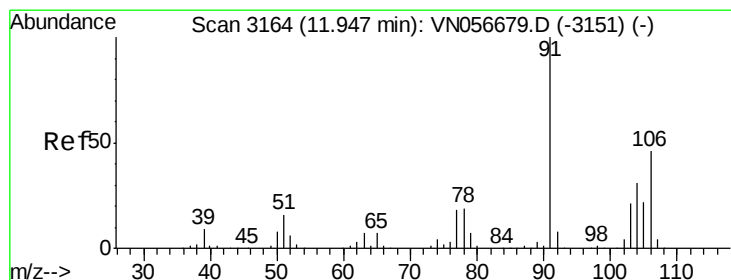
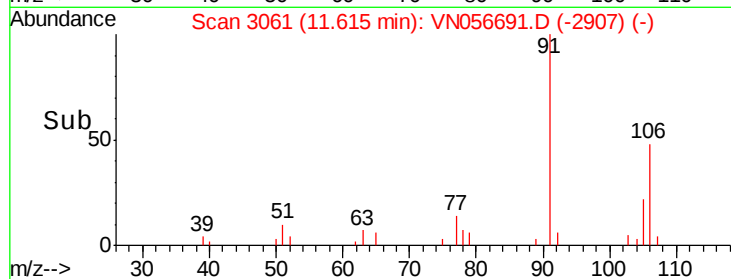
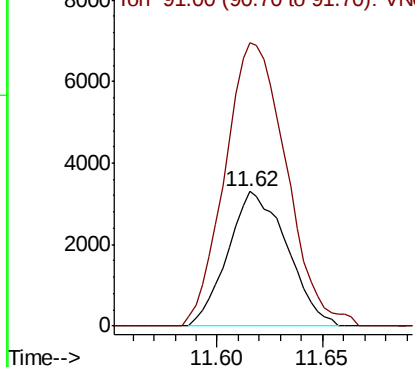
#67
m/p-Xylenes
Concen: 1.199 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 6460
Ion Ratio Lower Upper
106 100
91 217.5 161.8 242.8

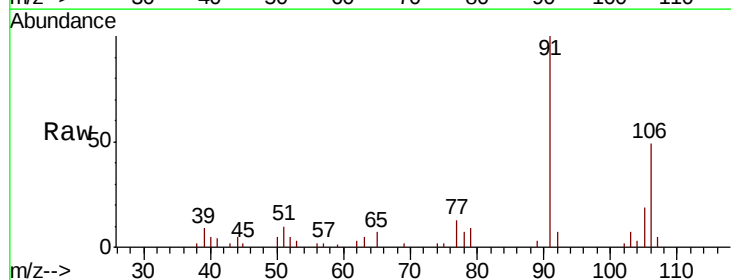


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

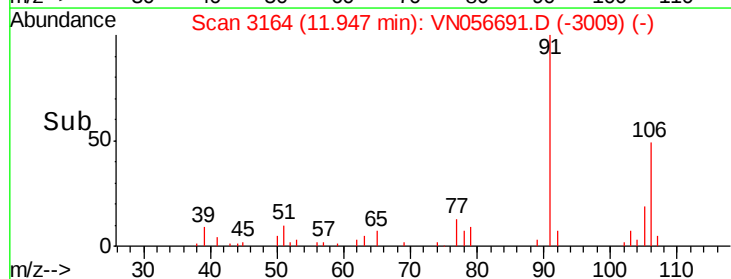
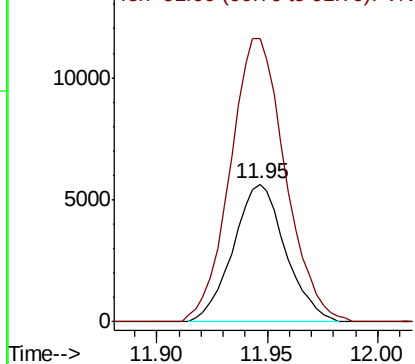


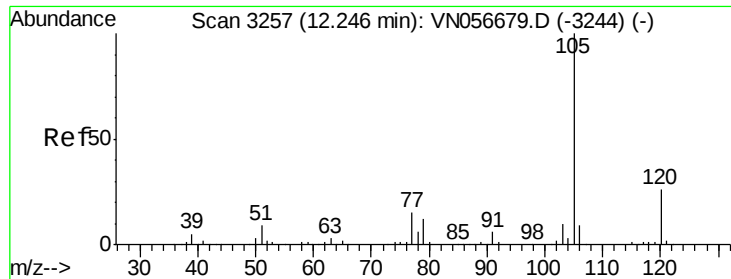
#68
o-Xylene
Concen: 1.773 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion:106 Resp: 9315
Ion Ratio Lower Upper
106 100
91 216.4 108.1 324.2



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





#70

Isopropylbenzene

Concen: 0.344 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

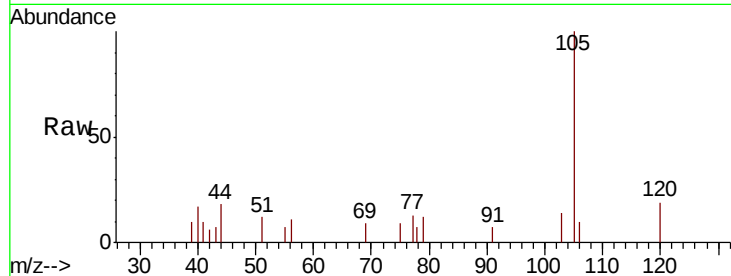
ClientSampleId :

Tot Ion:105 Resp: 4737

Ion Ratio Lower Upper

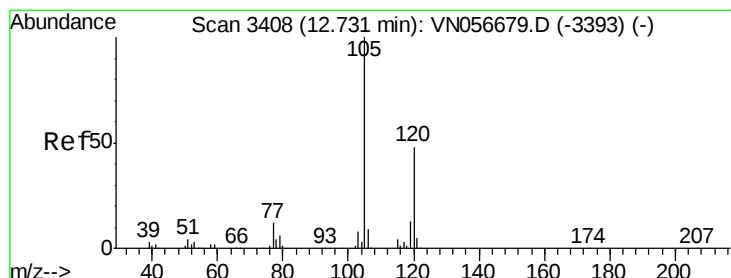
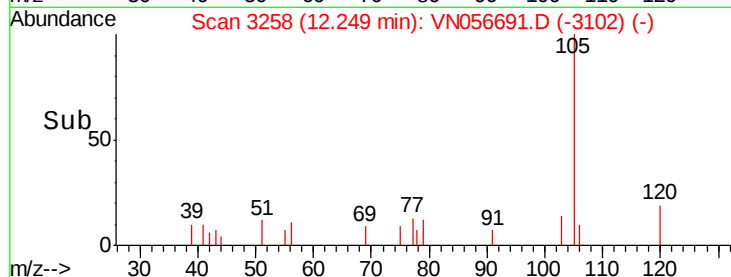
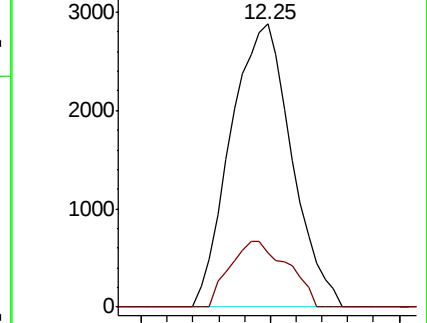
105 100

120 22.1 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: 0.370 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056691.D

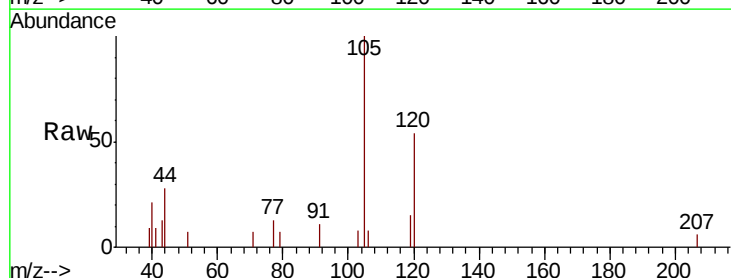
Acq: 12 Jul 2019 16:17

Tgt Ion:105 Resp: 4343

Ion Ratio Lower Upper

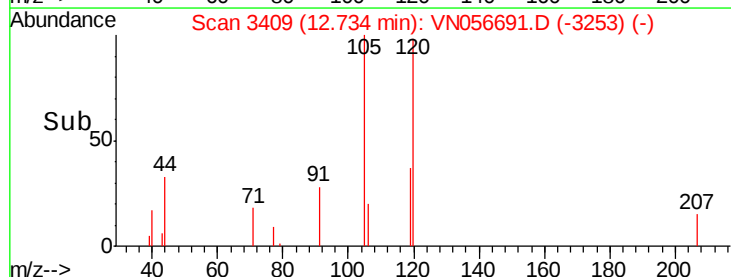
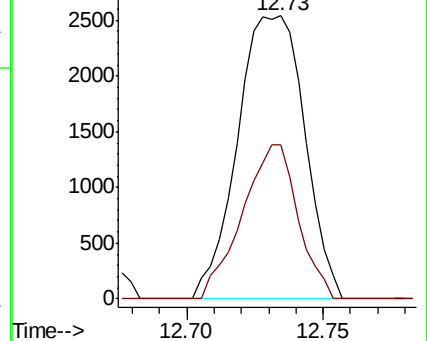
105 100

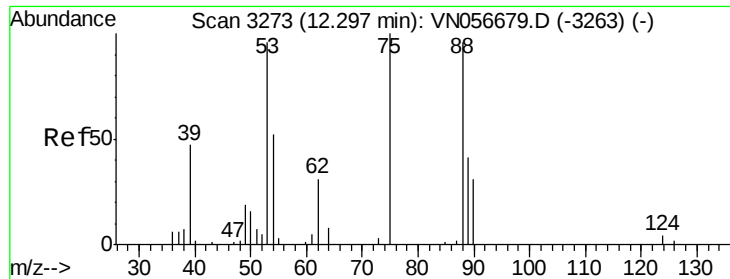
120 45.1 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 0.331 ug/l

RT: 12.24 min Scan# 3254

Delta R.T. -0.06 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

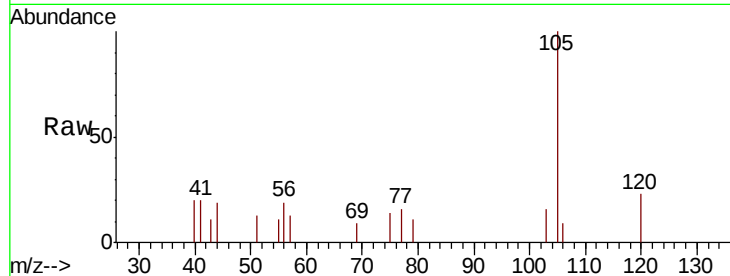
Tot Ion: 75 Resp: 421

Ion Ratio Lower Upper

75 100

53 0.0 48.6 145.8#

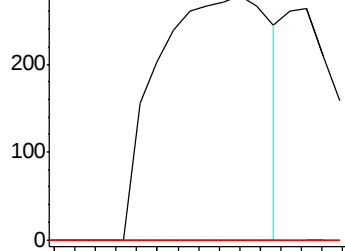
89 0.0 21.3 64.0#



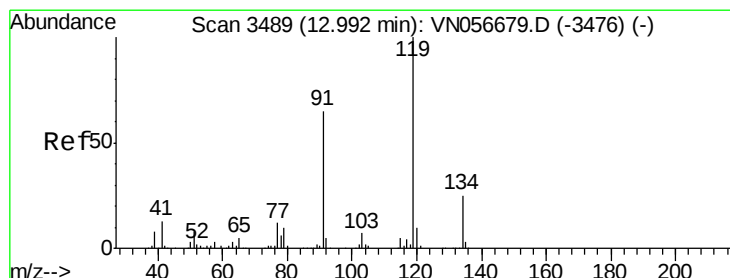
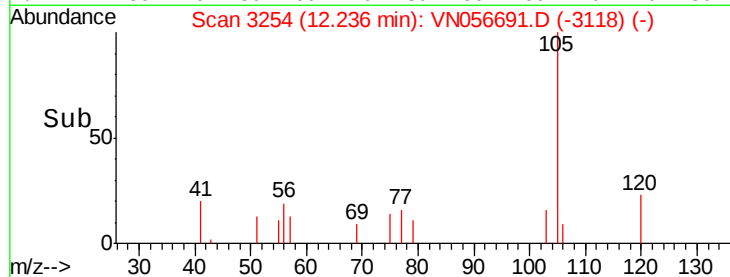
Abundance Ion 75.00 (74.70 to 75.70): VN056691.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN056691.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN056691.D (-3118) (-)



Time--> 12.20 12.22 12.24



#79

tert-butylbenzene

Concen: 0.640 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. 0.24 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

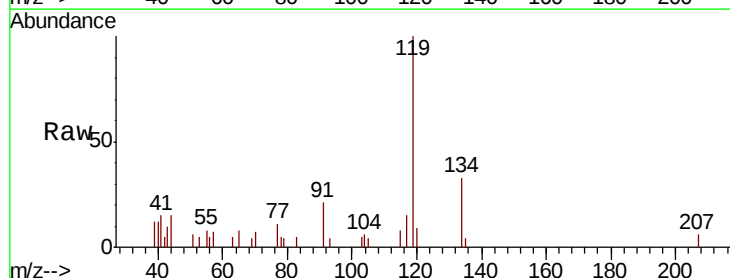
Tgt Ion: 119 Resp: 6396

Ion Ratio Lower Upper

119 100

91 13.9 0.0 125.4

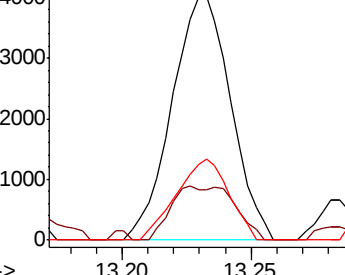
134 29.7 0.0 48.4



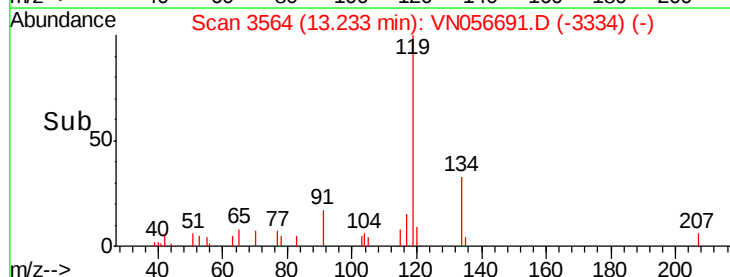
Abundance Ion 119.00 (118.70 to 119.70): VN056691.D (-3334) (-)

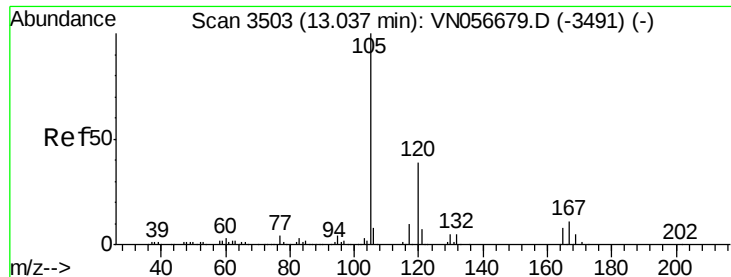
Ion 91.00 (90.70 to 91.70): VN056691.D (-3334) (-)

Ion 134.00 (133.70 to 134.70): VN056691.D (-3334) (-)



Time--> 13.20 13.25

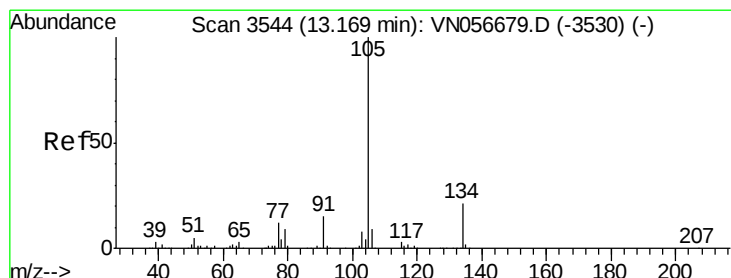
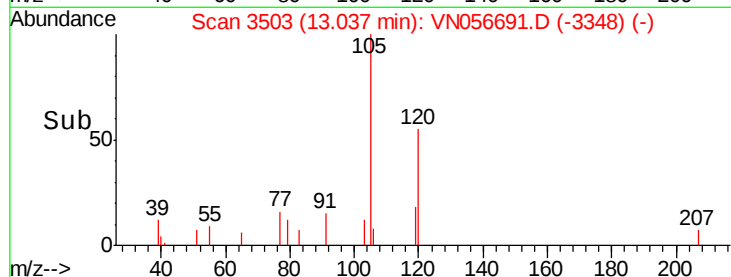
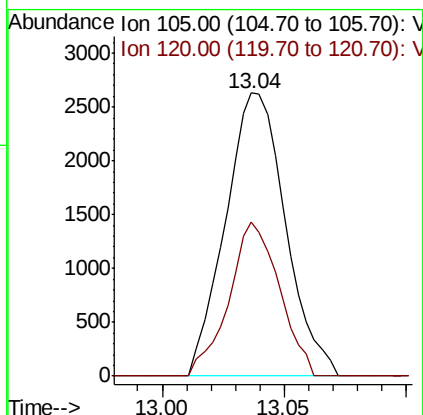
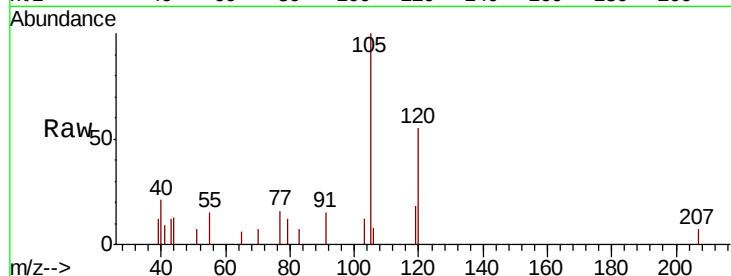




#80
 1,2,4-Trimethylbenzene
 Concen: 0.385 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

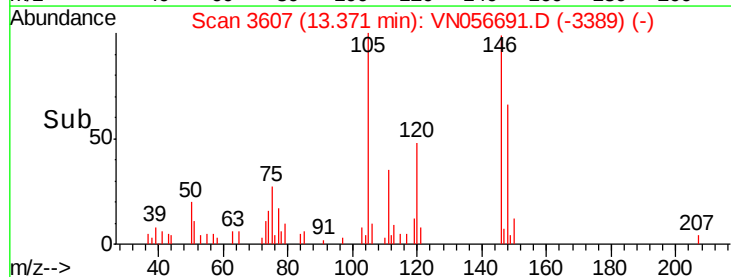
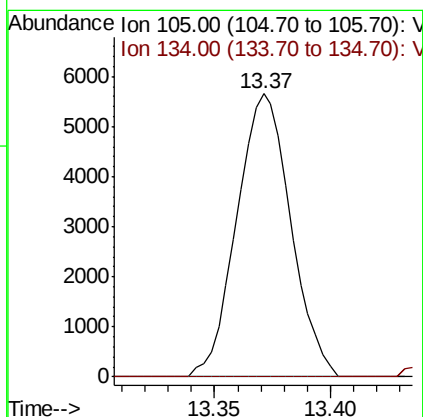
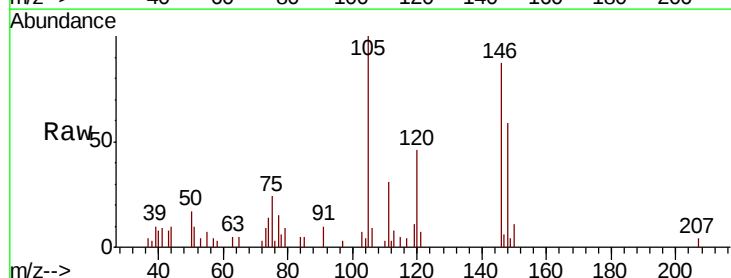
Instrument :
 MSVOA_N
 ClientSampled :

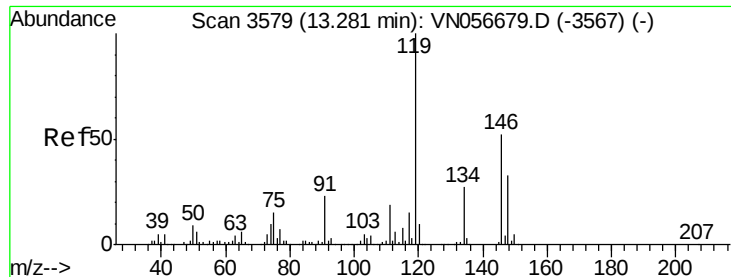
Tot Ion:105 Resp: 4484
 Ion Ratio Lower Upper
 105 100
 120 45.7 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 0.691 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.20 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion:105 Resp: 9145
 Ion Ratio Lower Upper
 105 100
 134 1.1 0.0 40.8





#83

1,3-Dichlorobenzene

Concen: 1.863 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.08 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampled :

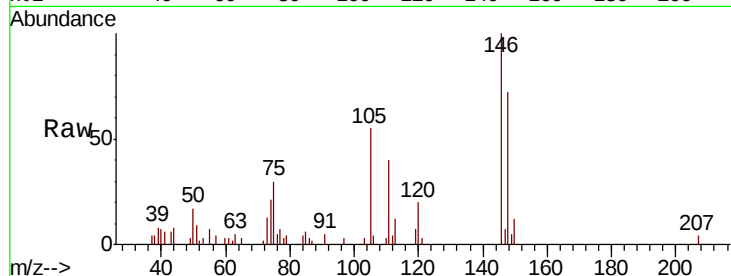
Tot Ion:146 Resp: 11172

Ion Ratio Lower Upper

146 100

111 39.7 18.7 56.1

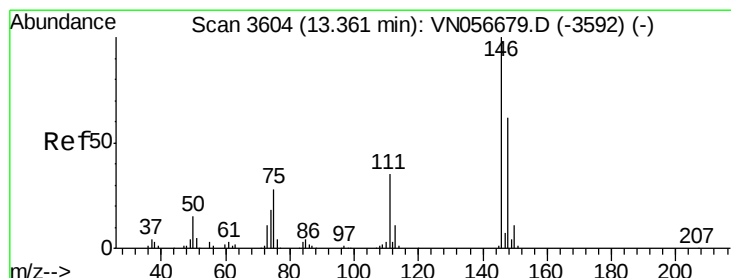
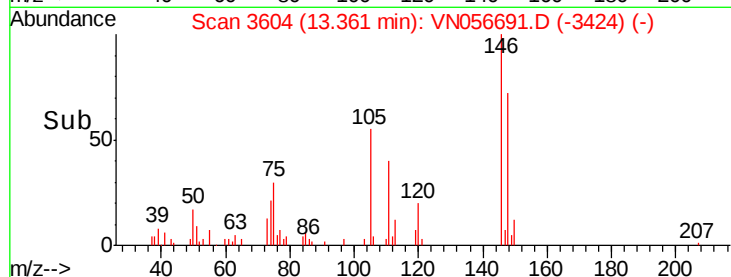
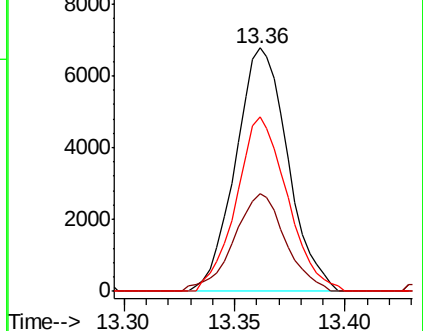
148 70.0 31.8 95.4



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: 1.943 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

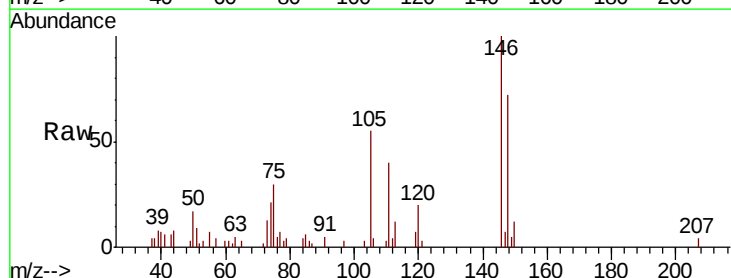
Tgt Ion:146 Resp: 11172

Ion Ratio Lower Upper

146 100

111 39.7 17.8 53.4

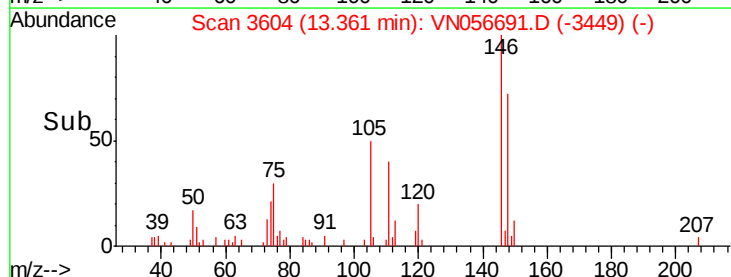
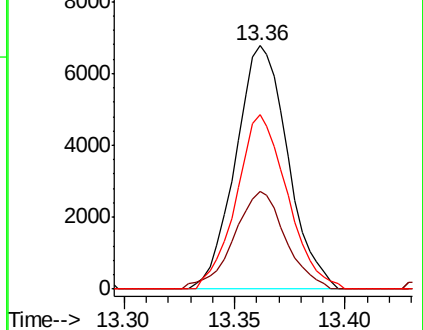
148 70.0 31.9 95.5

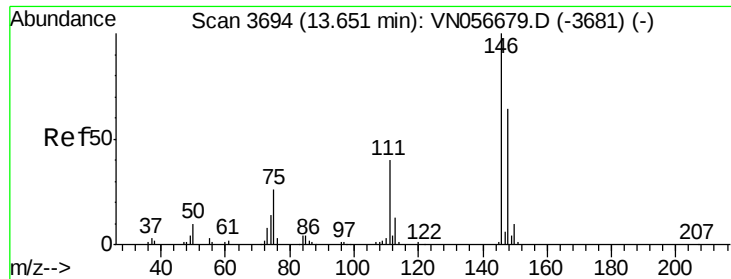


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

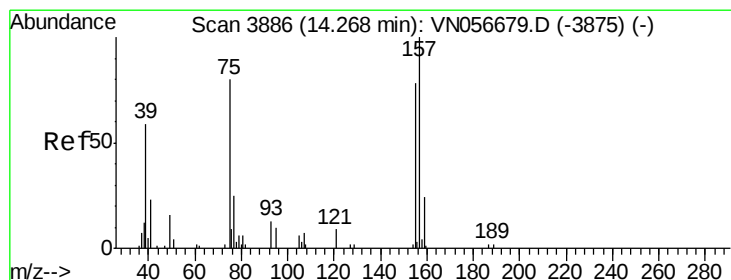
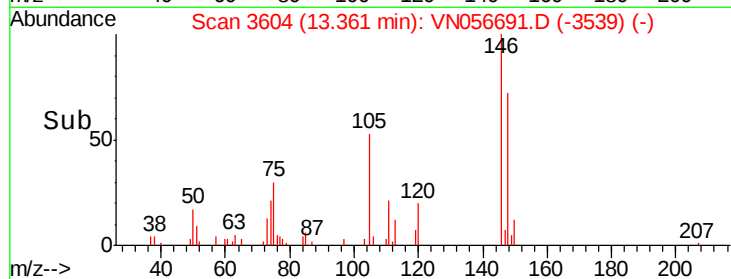
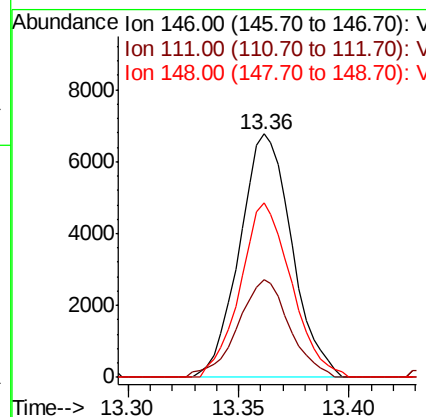
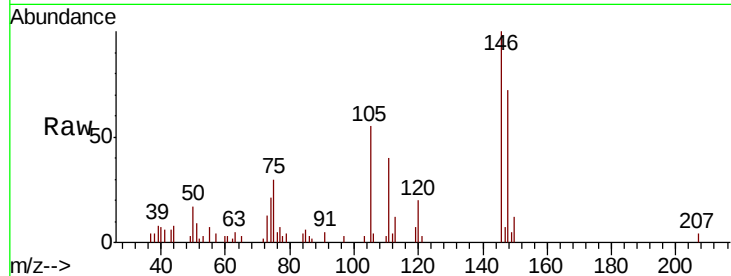




#87
 1,2-Dichlorobenzene
 Concen: 1.853 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.29 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 11172
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.0
 148 70.0 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.922 ug/l
 RT: 13.87 min Scan# 3762
 Delta R.T. -0.40 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 75 Resp: 711
 Ion Ratio Lower Upper
 75 100
 155 10.1 78.6 117.8#
 157 0.0 99.3 148.9#

