

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
 Data File : VN058684.D
 Acq On : 10 Oct 2019 22:58
 Operator : JC/SP
 Sample : K5306-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 391009760.2-VOA

Quant Time: Oct 11 08:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71265	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	399290	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	353824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	191231	31.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.40%
60) 4-Bromofluorobenzene	12.40	95	178736	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	10.08	98	504447	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	1247	0.242 ug/l #	85
4) Vinyl Chloride	2.17	62	2207	0.414 ug/l #	88
8) Diethyl Ether	3.39	74	16001	6.394 ug/l	89
13) Acrolein	3.57	56	176	0.267 ug/l	87
15) Acetone	3.79	58	12712	18.218 ug/l	89
16) Carbon Disulfide	4.03	76	5664	0.521 ug/l #	94
17) Allyl chloride	4.24	41	56592	7.625 ug/l #	35
22) cis-1,2-Dichloroethene	6.81	96	2596	0.536 ug/l #	1
23) tert-Butyl Alcohol	4.76	59	3703046	3851.433 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	34696	2.494 ug/l #	67
30) 2-Butanone	6.80	43	186742	52.576 ug/l #	79
31) 2,2-Dichloropropane	6.80	77	238162	32.148 ug/l #	53
34) Benzene	8.02	78	49598	2.680 ug/l #	24
35) Methacrylonitrile	7.19	41	937735	298.860 ug/l #	61
36) 1,2-Dichloroethane	8.11	62	4548	0.643 ug/l #	89
44) Isopropyl Acetate	8.12	43	16768	1.485 ug/l #	53
45) 1,4-Dioxane	9.19	88	5255	60.604 ug/l #	83
51) Ethyl methacrylate	10.85	69	2733	0.375 ug/l	85
58) 4-Methyl-2-Pentanone	9.98	43	71505	11.078 ug/l #	86
59) 2-Hexanone	10.72	43	134102	26.501 ug/l #	35
62) Toluene	10.15	91	50355	2.646 ug/l	99
64) Chlorobenzene	11.43	112	8244	0.708 ug/l	97
66) Ethyl Benzene	11.51	91	17471	0.829 ug/l	99
67) m/p-Xylenes	11.62	106	69201	8.789 ug/l	97
68) o-Xylene	11.95	106	40907	5.359 ug/l	97
69) Styrene	11.96	104	5830	0.462 ug/l #	1
70) Isopropylbenzene	12.25	105	17429	0.846 ug/l	99
75) 2-Chlorotoluene	12.67	91	6580	0.453 ug/l	73
76) 1,3,5-Trimethylbenzene	12.74	105	12220	0.692 ug/l	88
77) t-1,4-Dichloro-2-butene	12.24	75	2388	0.997 ug/l	62
78) 4-Chlorotoluene	12.89	91	3053	0.204 ug/l	84
79) tert-butylbenzene	13.24	119	4559	0.302 ug/l	64
80) 1,2,4-Trimethylbenzene	13.04	105	43850	2.500 ug/l	97
82) p-Isopropyltoluene	13.29	119	7072	0.388 ug/l	93
84) 1,4-Dichlorobenzene	13.37	146	30503	3.372 ug/l	98
86) Hexachloroethane	13.89	117	941	0.284 ug/l #	11
87) 1,2-Dichlorobenzene	13.66	146	3444	0.385 ug/l	91

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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

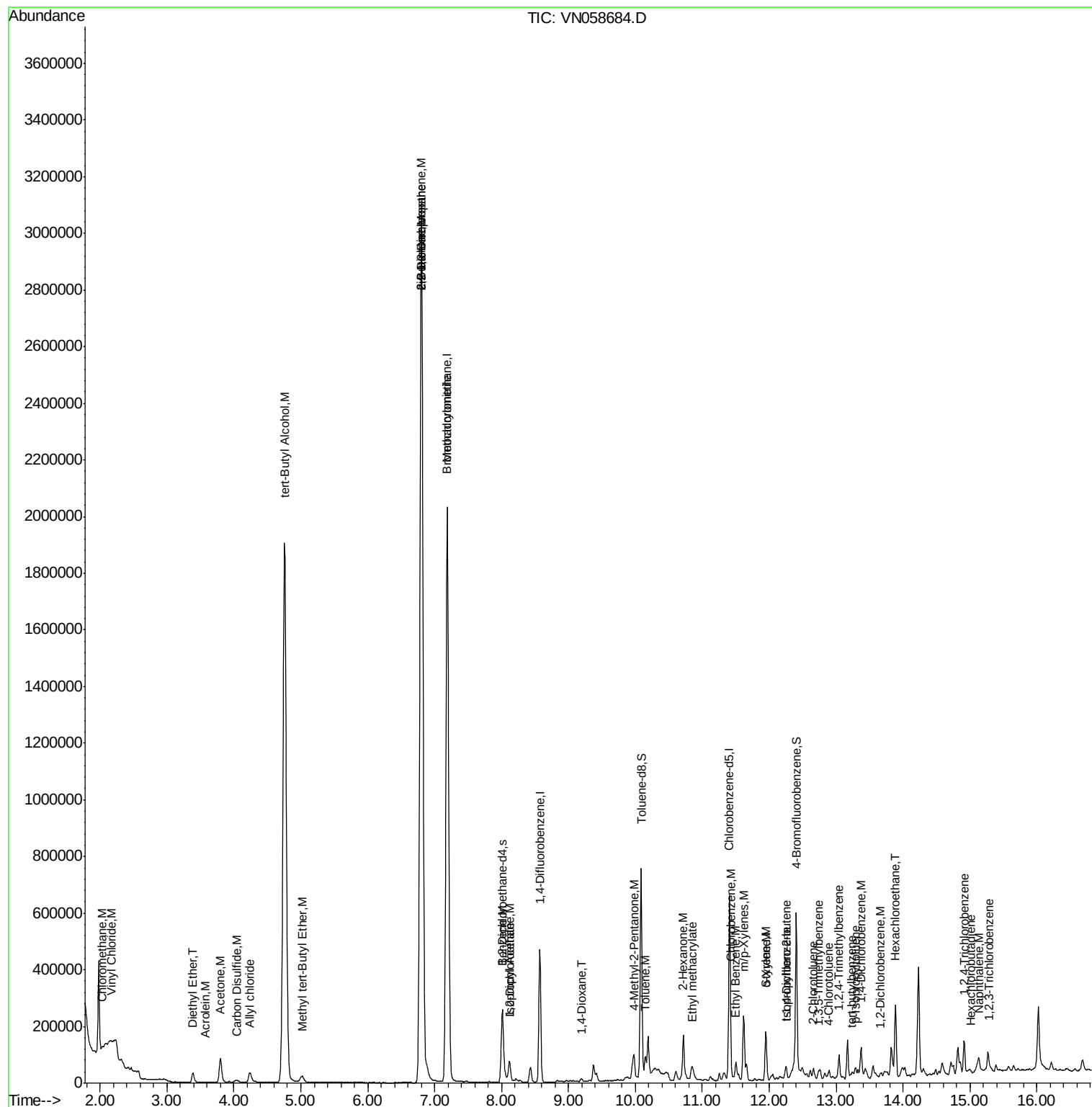
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) 1,2,4-Trichlorobenzene	14.92	180	2939	0.521	ug/l #	78
90) Hexachlorobutadiene	15.02	225	620	0.213	ug/l	68
91) Naphthalene	15.13	128	35248	2.114	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	3057	0.556	ug/l	94

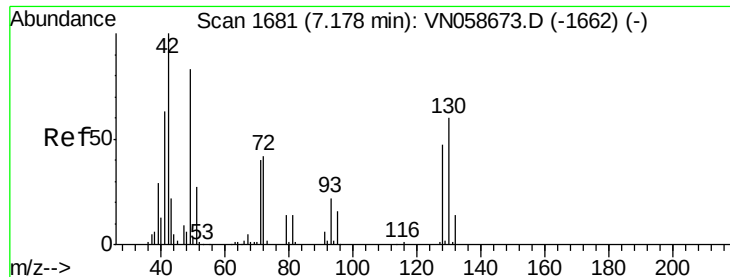
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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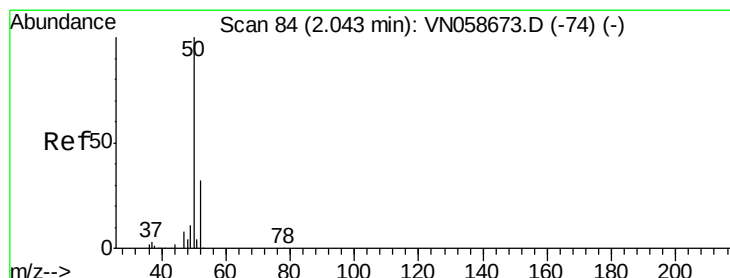
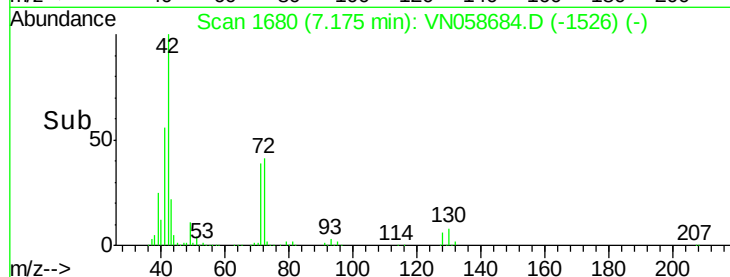
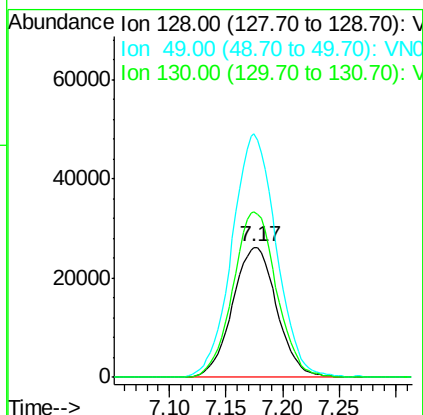
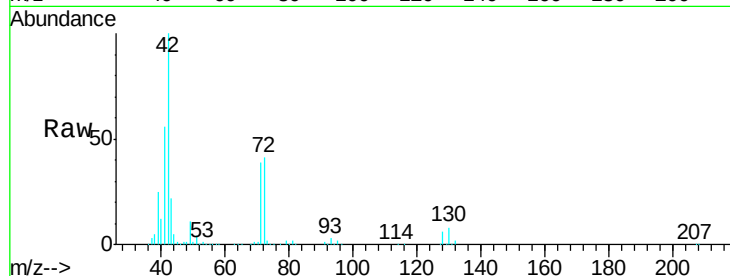




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

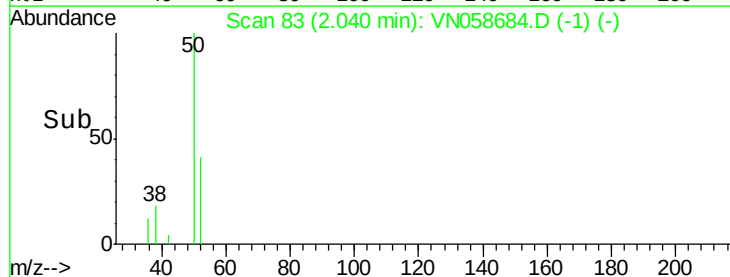
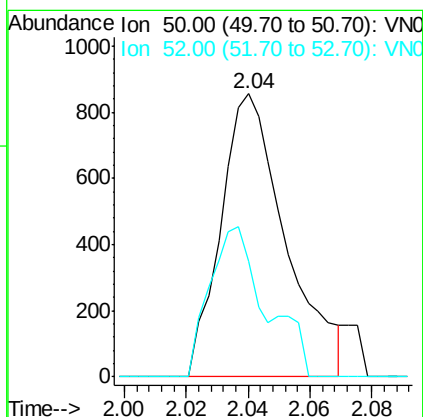
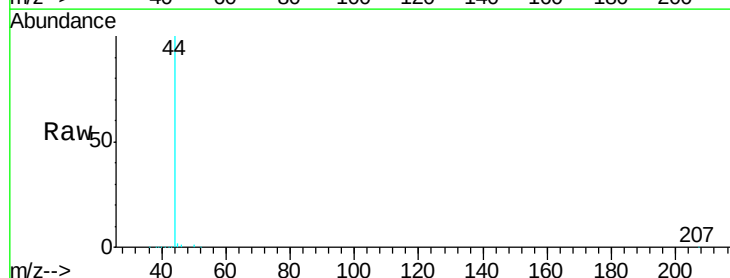
Instrument :
MSVOA_N
ClientSampleId :
391009760.2-VOA

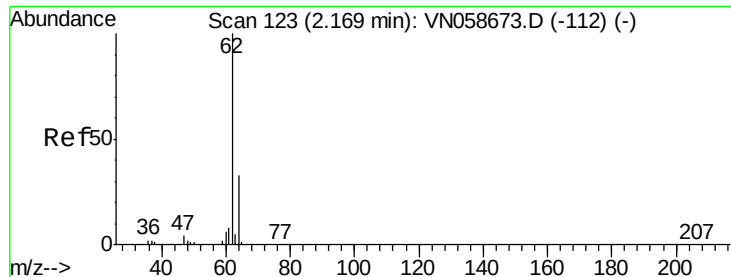
Tgt Ion:128 Resp: 71265
Ion Ratio Lower Upper
128 100
49 187.3 0.0 453.5
130 125.4 0.0 314.2



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.04 min Scan# 83
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 40.8 25.8 38.8#





#4

Vinyl Chloride

Concen: 0.414 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

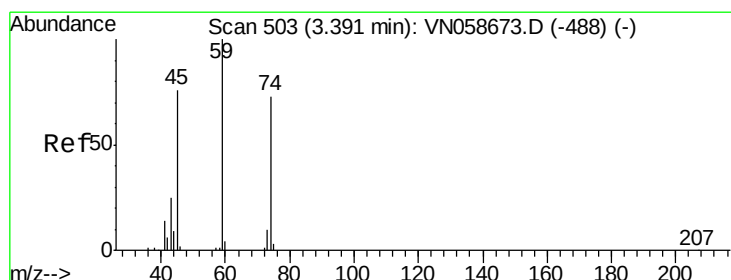
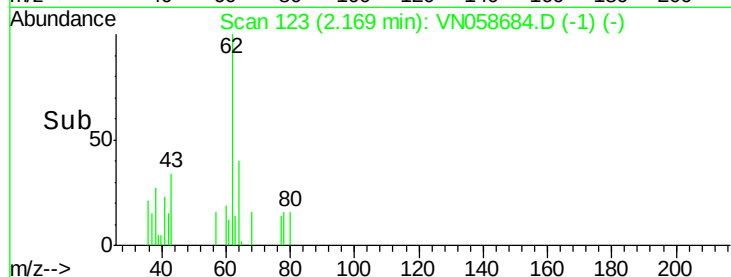
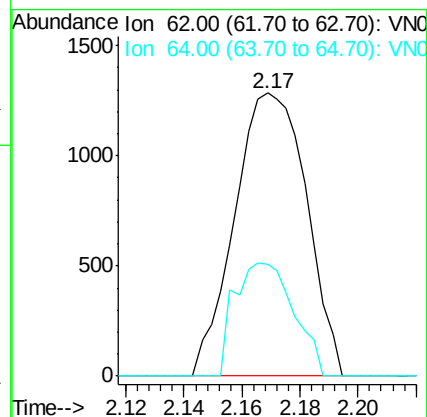
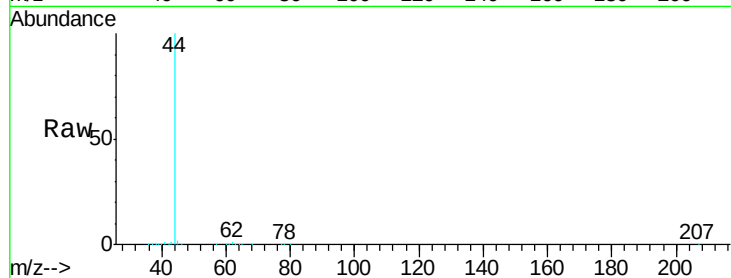
391009760.2-VOA

Tgt Ion: 62 Resp: 2207

Ion Ratio Lower Upper

62 100

64 39.5 26.1 39.1#



#8

Diethyl Ether

Concen: 6.394 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN058684.D

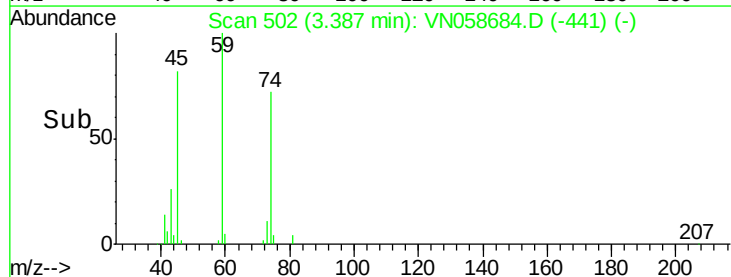
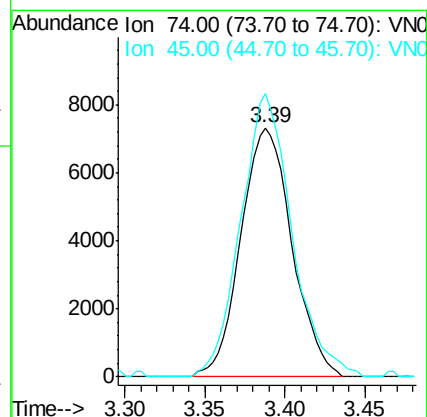
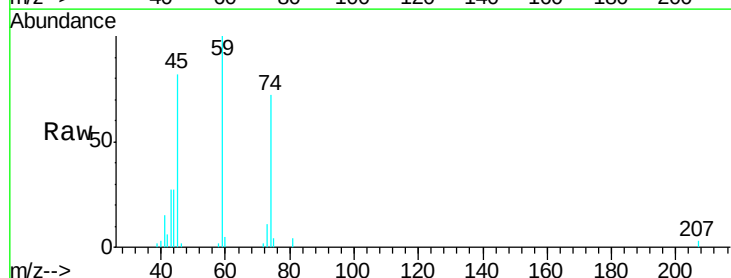
Acq: 10 Oct 2019 22:58

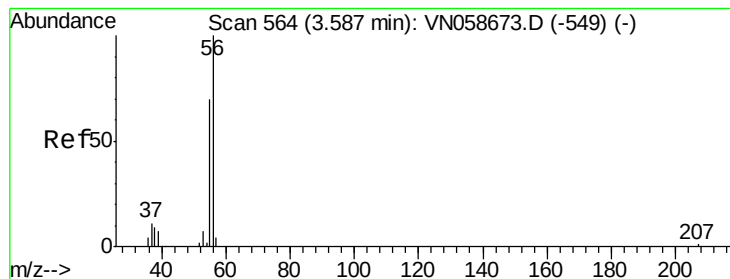
Tgt Ion: 74 Resp: 16001

Ion Ratio Lower Upper

74 100

45 114.4 20.6 185.8





#13

Acrolein

Concen: 0.267 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

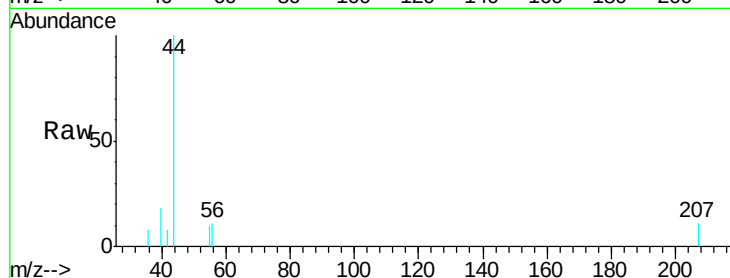
391009760.2-VOA

Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

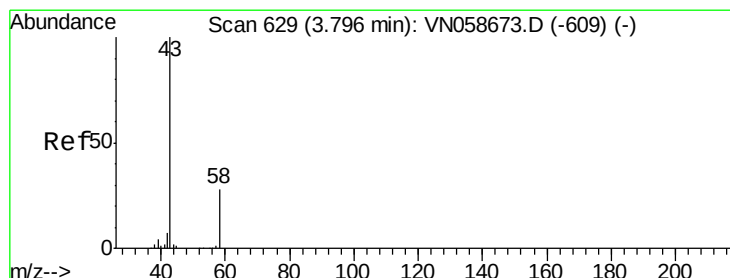
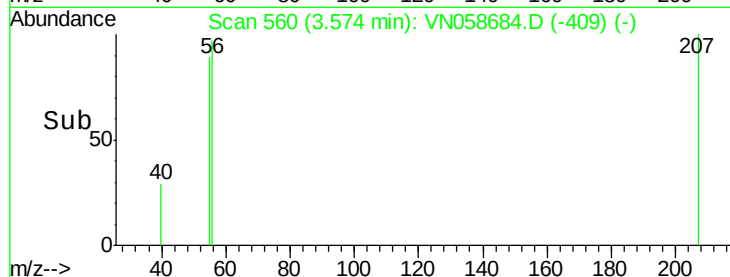
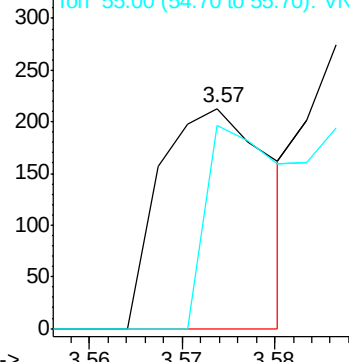
56 100

55 59.1 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acetone

Concen: 18.218 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058684.D

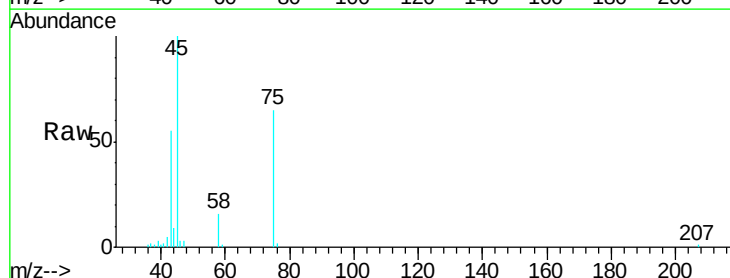
Acq: 10 Oct 2019 22:58

Tgt Ion: 58 Resp: 12712

Ion Ratio Lower Upper

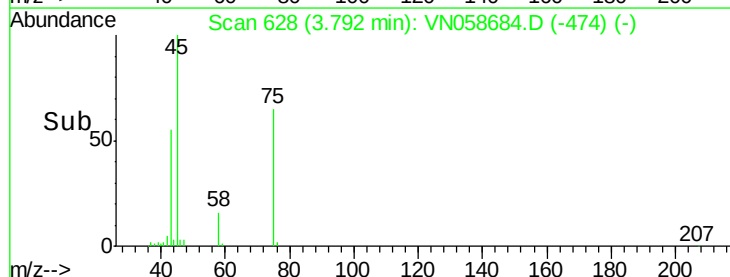
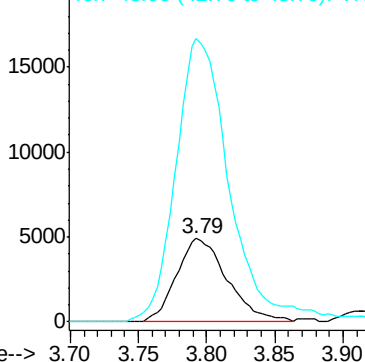
58 100

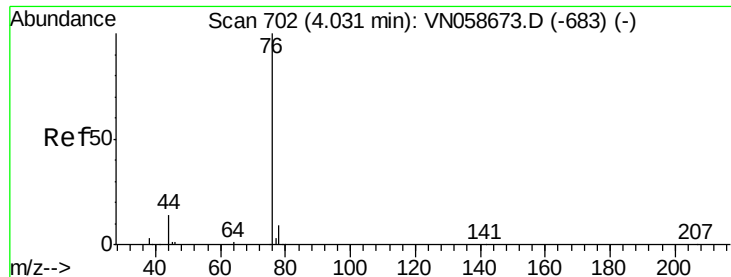
43 327.8 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

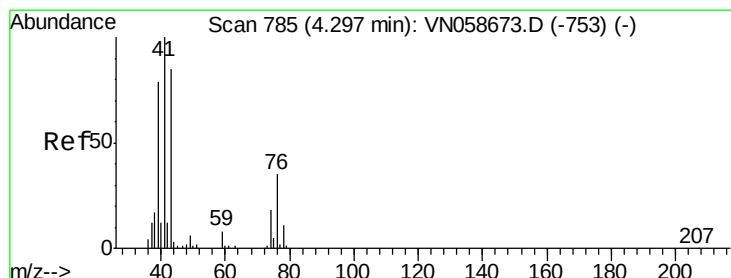
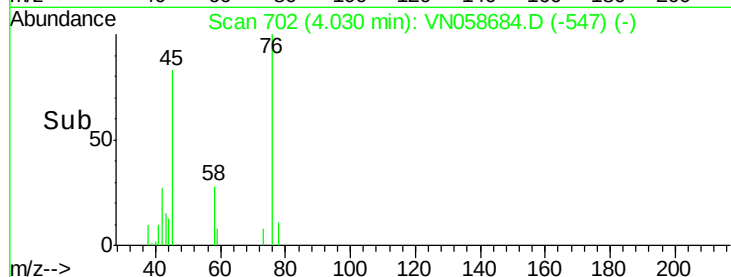
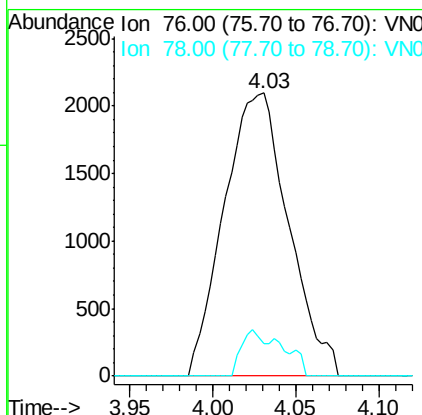
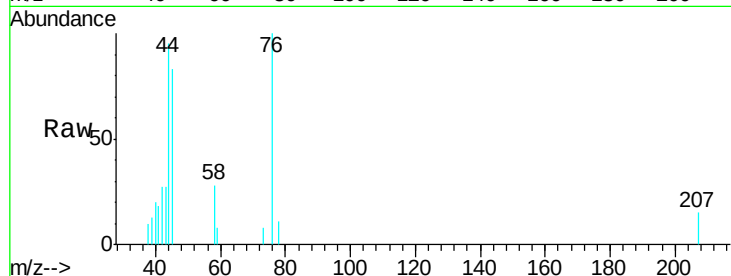




#16
Carbon Disulfide
Concen: 0.521 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

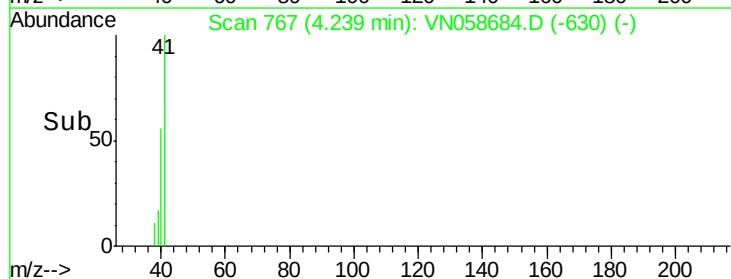
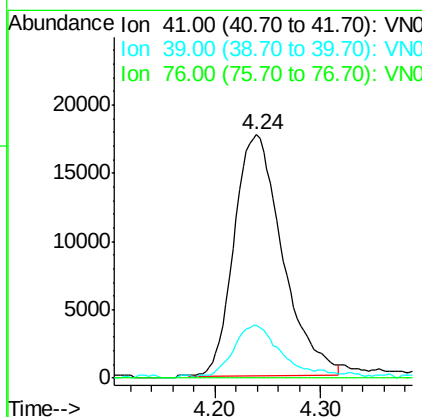
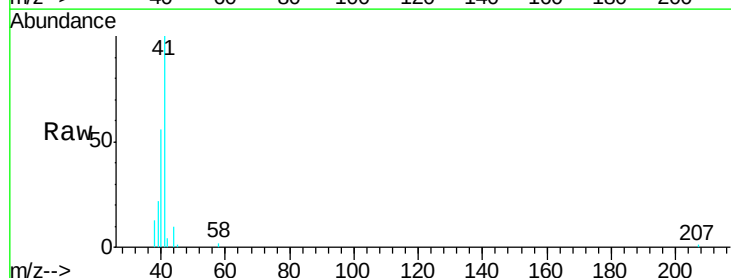
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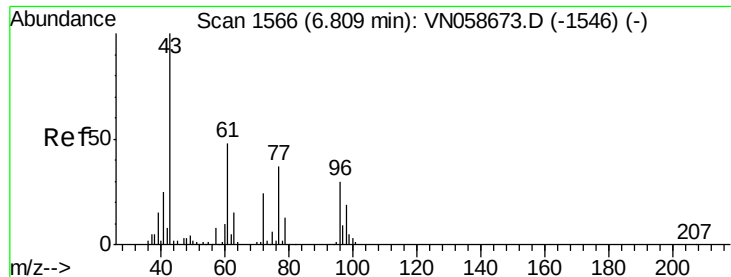
Tgt Ion: 76 Resp: 5664
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#



#17
Allyl chloride
Concen: 7.625 ug/l
RT: 4.24 min Scan# 767
Delta R.T. -0.06 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion: 41 Resp: 56592
Ion Ratio Lower Upper
41 100
39 20.8 39.6 118.8#
76 0.0 17.6 52.9#

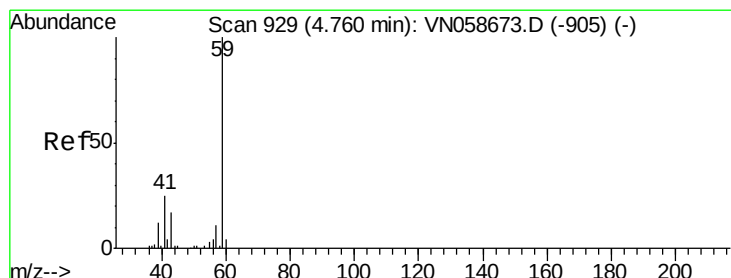
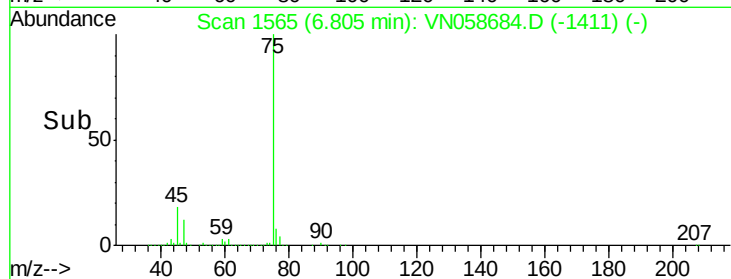
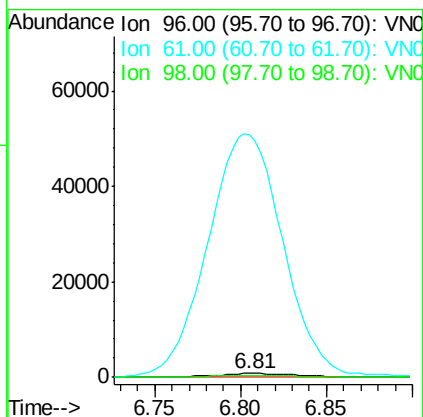
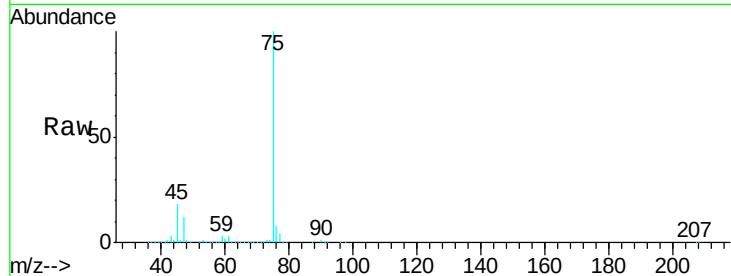




#22
 cis-1,2-Dichloroethene
 Concen: 0.536 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

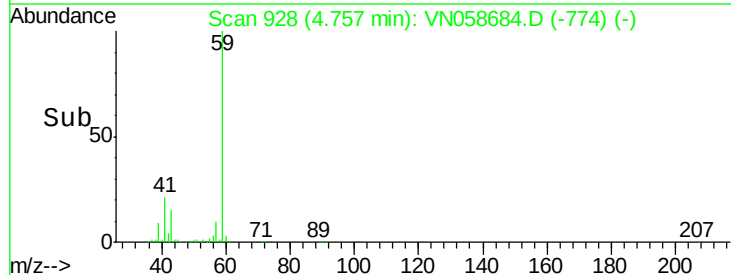
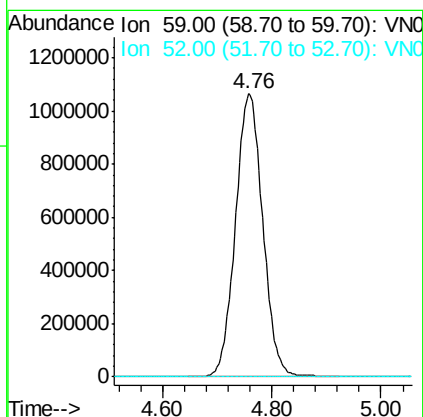
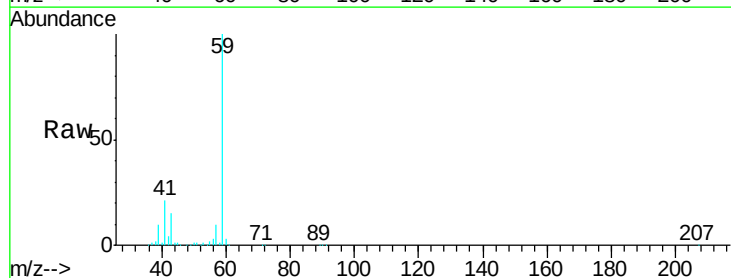
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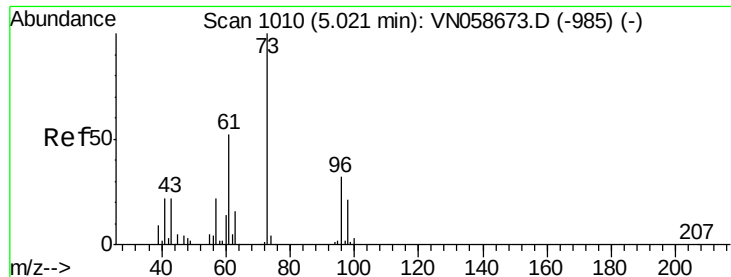
Tgt Ion: 96 Resp: 2596
 Ion Ratio Lower Upper
 96 100
 61 6015.0 127.2 190.8#
 98 5.0 50.5 75.7#



#23
 tert-Butyl Alcohol
 Concen: 3851.433 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

Tgt Ion: 59 Resp: 3703046
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

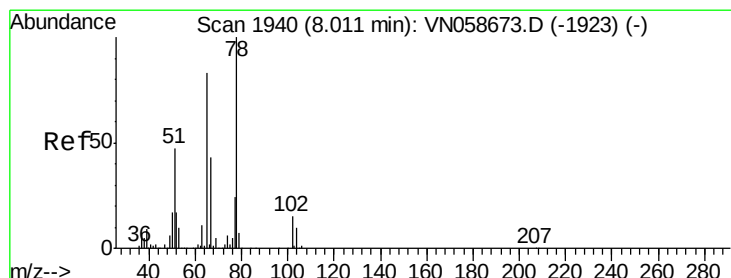
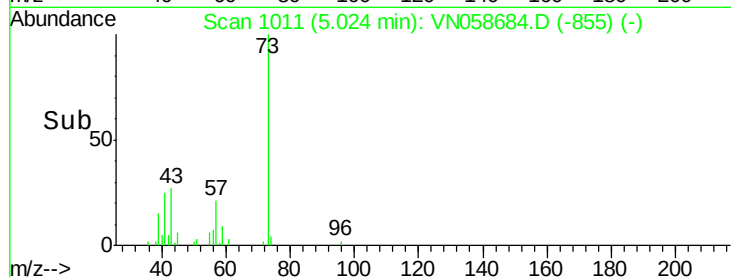
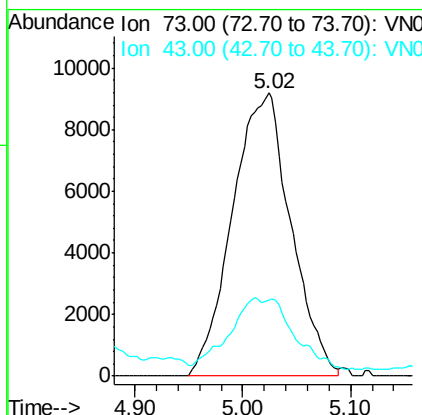
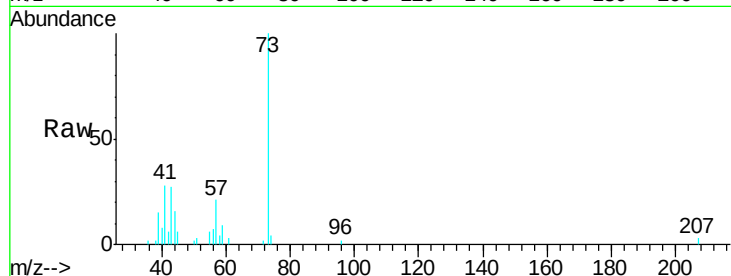




#24
Methyl tert-Butyl Ether
Concen: 2.494 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

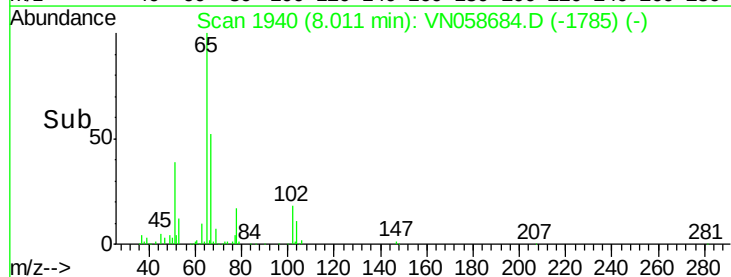
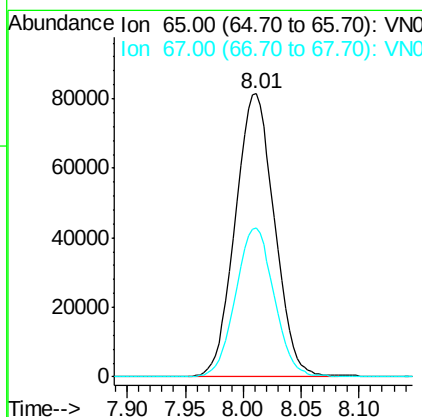
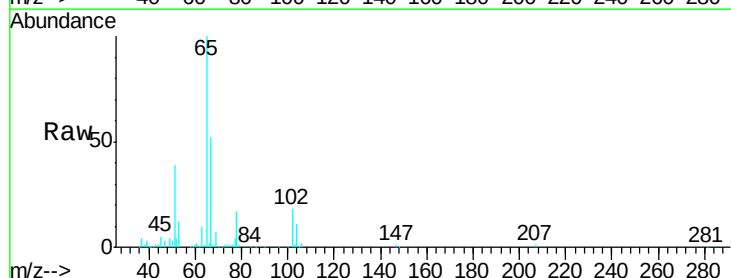
Instrument :
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ClientSampleId :
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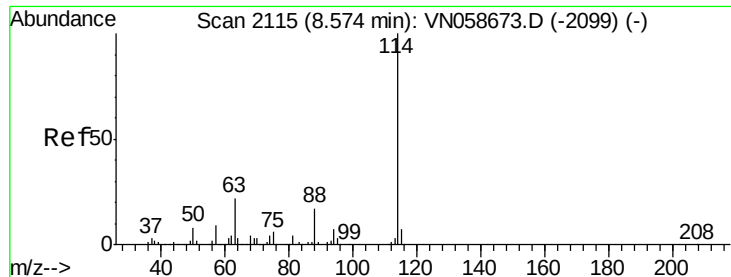
Tgt Ion: 73 Resp: 34696
Ion Ratio Lower Upper
73 100
43 6.7 17.9 26.9#



#27
1,2-Dichloroethane-d4
Concen: 31.616 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion: 65 Resp: 191231
Ion Ratio Lower Upper
65 100
67 51.8 41.5 62.3

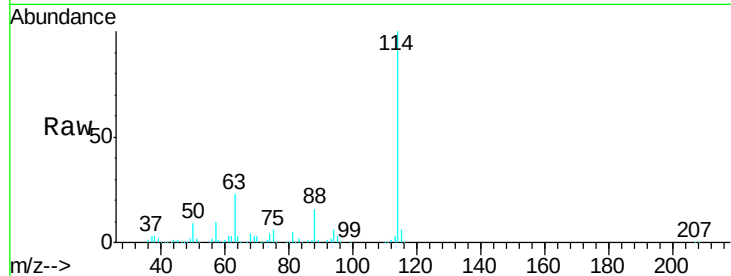




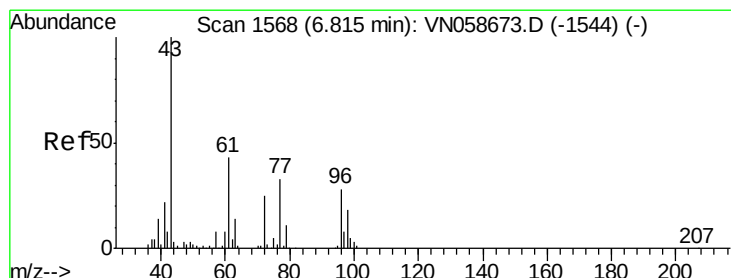
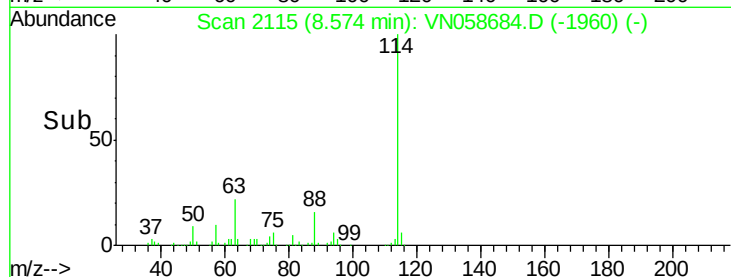
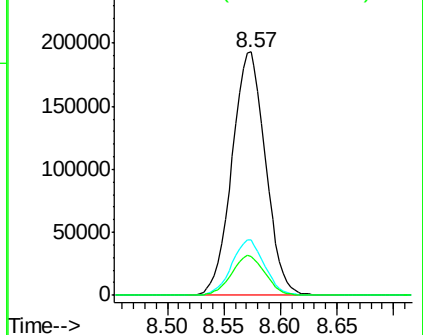
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

Instrument :
 MSVOA_N
 ClientSampleId :
 391009760.2-VOA

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.1	27.1
88	16.4	13.0	19.4

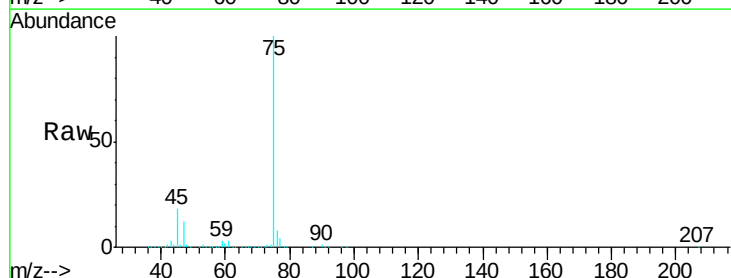


Abundance Ion 114.00 (113.70 to 114.70): VN058673.D (-2099) (-)

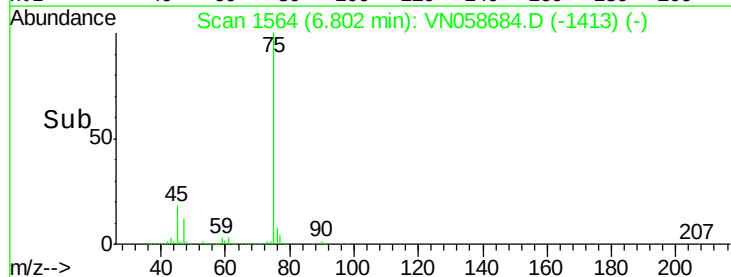
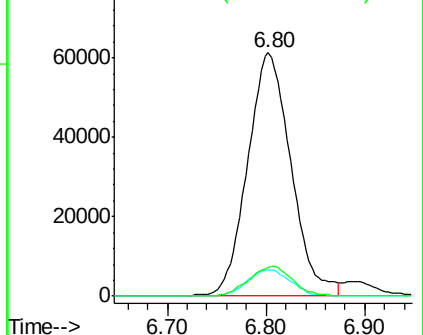


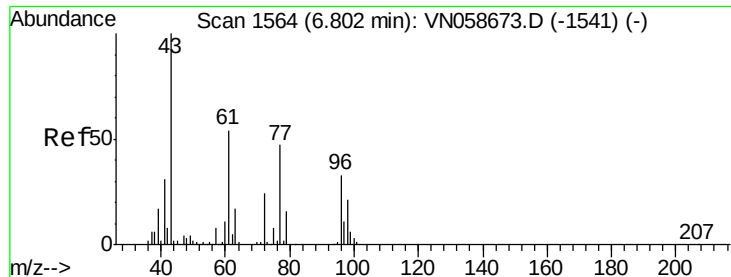
#30
 2-Butanone
 Concen: 52.576 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.9	6.5	9.7#
72	12.3	20.1	30.1#



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1544) (-)





#31

2,2-Dichloropropane

Concen: 32.148 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

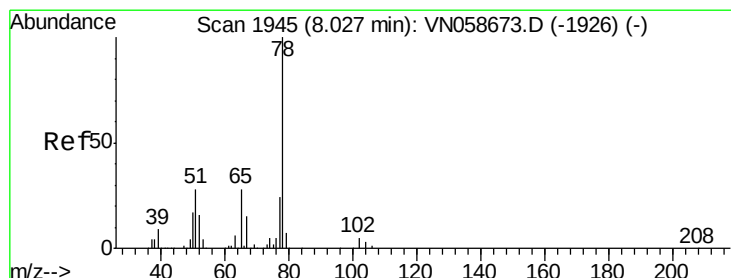
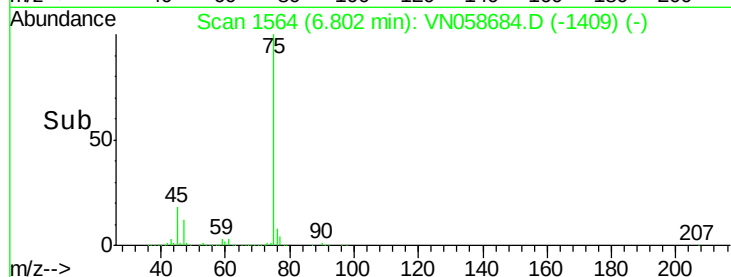
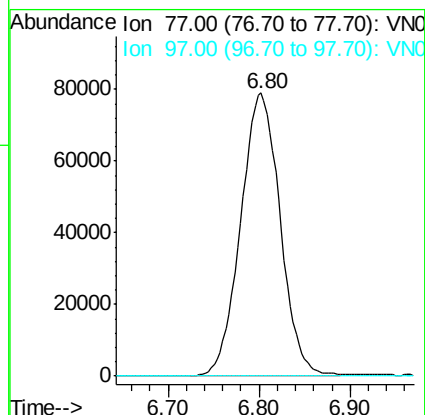
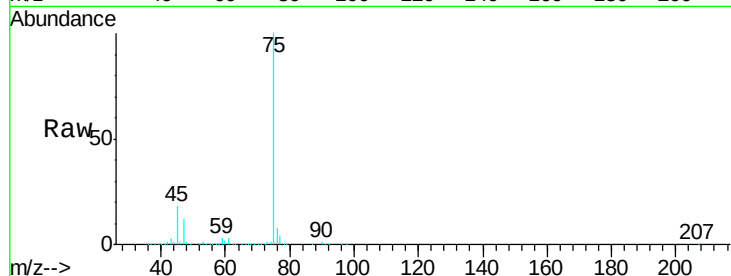
391009760.2-VOA

Tgt Ion: 77 Resp: 238162

Ion Ratio Lower Upper

77 100

97 0.0 17.9 26.9#



#34

Benzene

Concen: 2.680 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

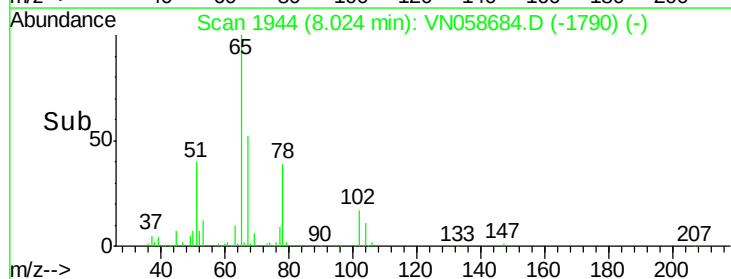
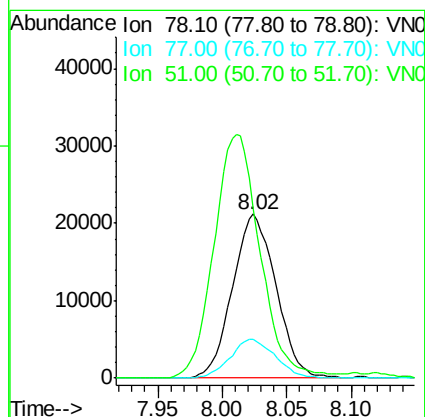
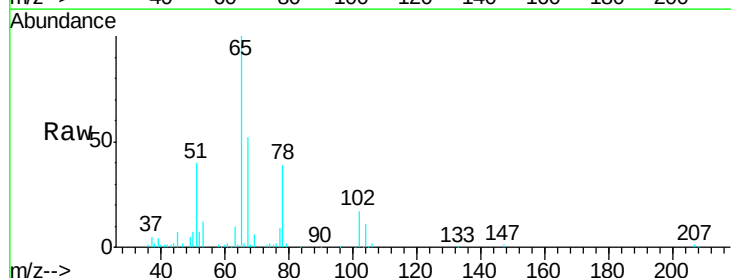
Tgt Ion: 78 Resp: 49598

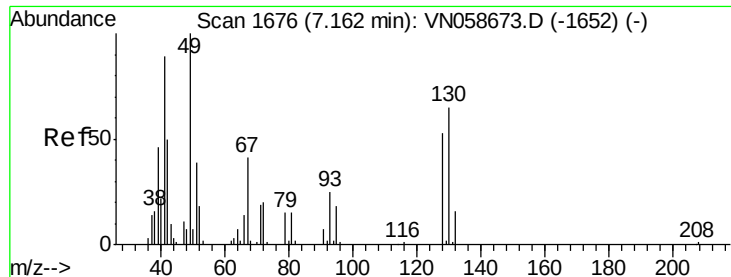
Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

51 101.2 22.1 33.1#

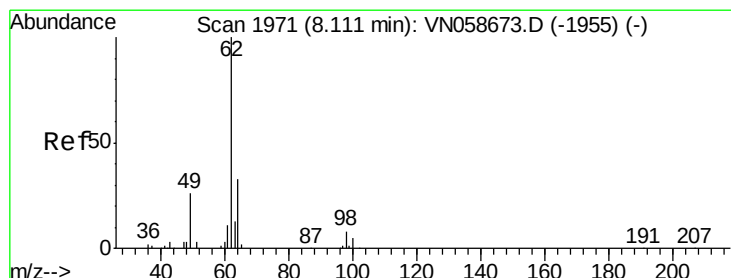
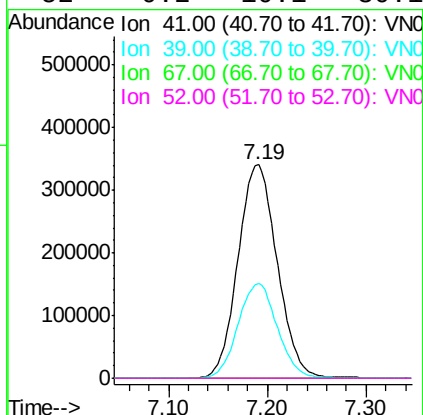
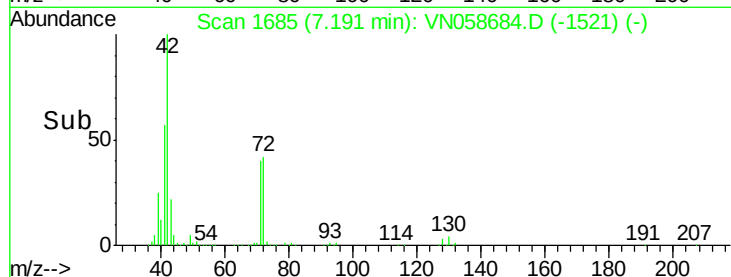
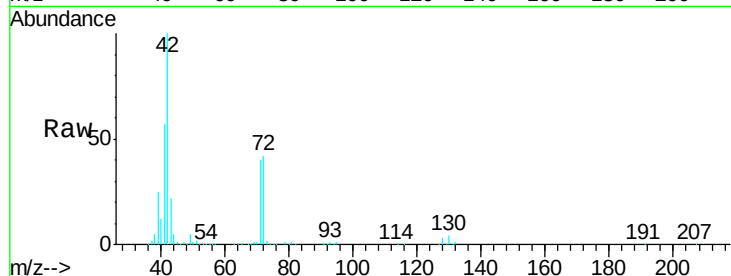




#35
Methacrylonitrile
Concen: 298.860 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

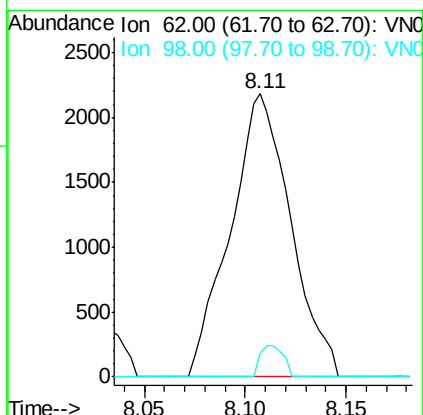
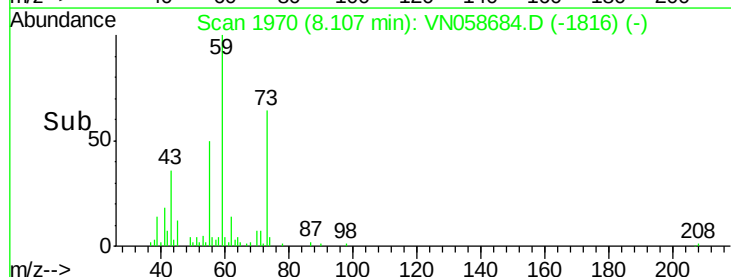
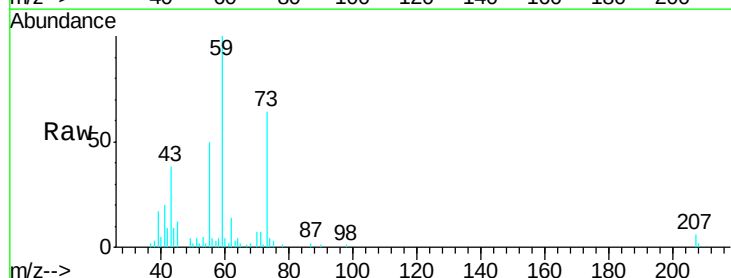
Instrument :
MSVOA_N
ClientSampleId :
391009760.2-VOA

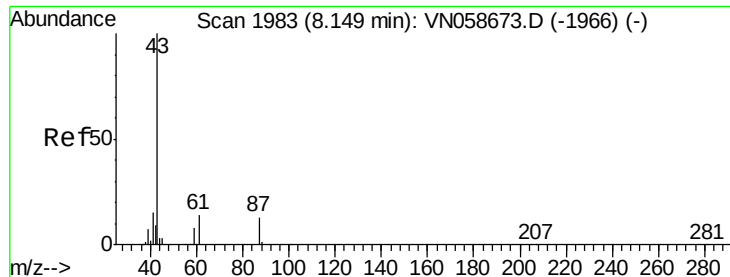
Tgt Ion: 41 Resp: 937735
Ion Ratio Lower Upper
41 100
39 44.4 25.8 77.4
67 0.0 23.0 69.0#
52 0.2 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 0.643 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion: 62 Resp: 4548
Ion Ratio Lower Upper
62 100
98 4.3 6.4 9.6#





#44

Isopropyl Acetate

Concen: 1.485 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.03 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

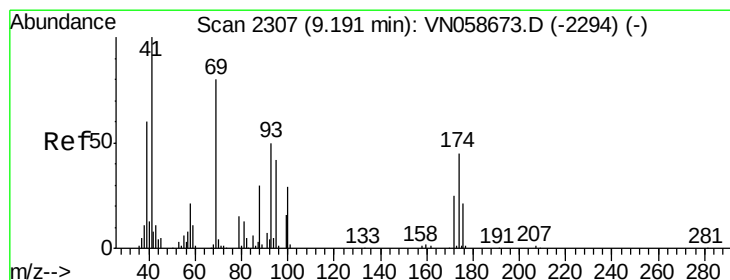
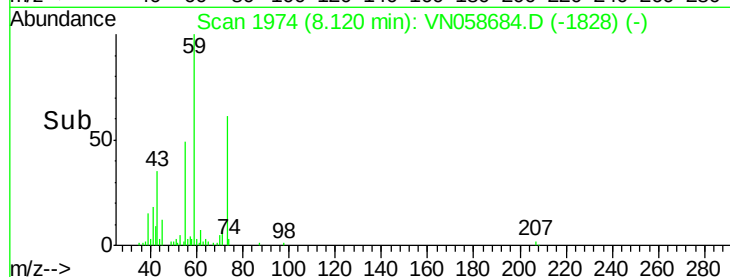
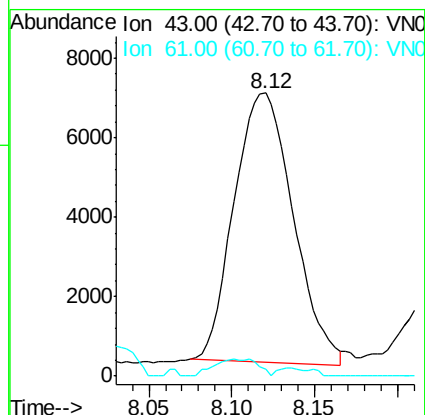
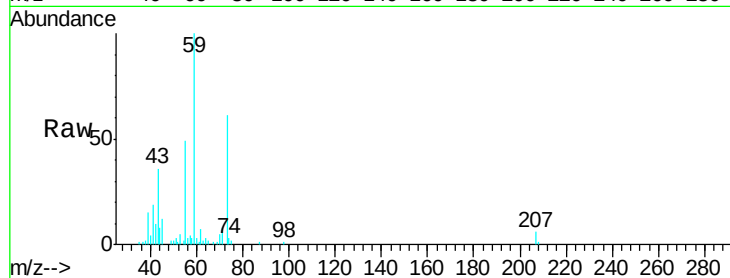
391009760.2-VOA

Tgt Ion: 43 Resp: 16768

Ion Ratio Lower Upper

43 100

61 1.2 19.9 29.9#



#45

1,4-Dioxane

Concen: 60.604 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

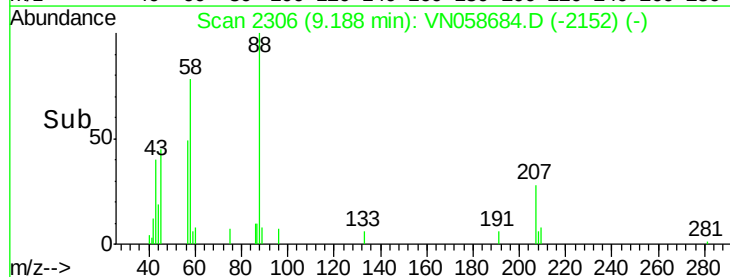
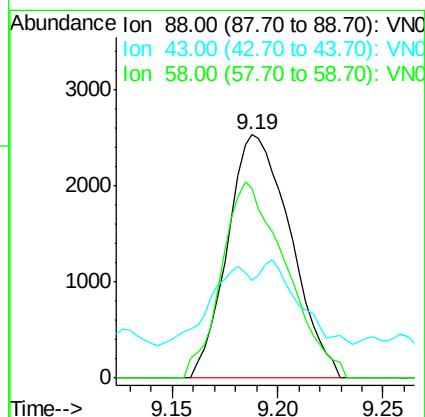
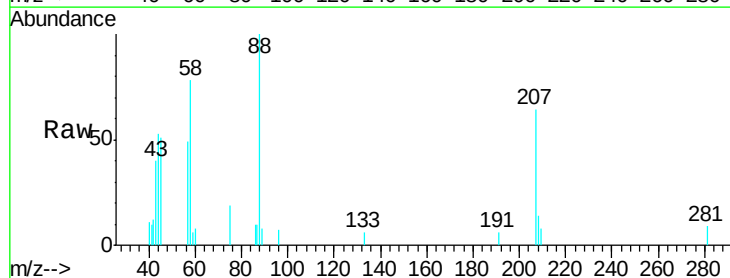
Tgt Ion: 88 Resp: 5255

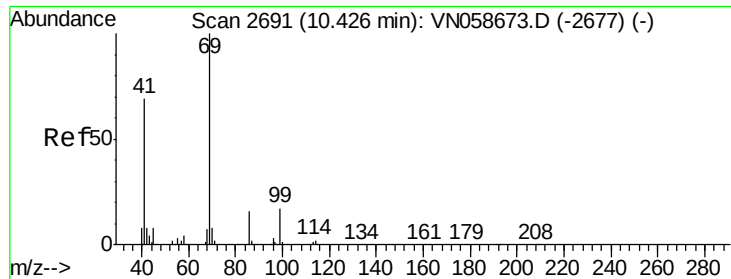
Ion Ratio Lower Upper

88 100

43 20.6 29.8 44.8#

58 82.7 58.2 87.4





#51

Ethyl methacrylate

Concen: 0.375 ug/l

RT: 10.85 min Scan# 2823

Delta R.T. 0.42 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

391009760.2-VOA

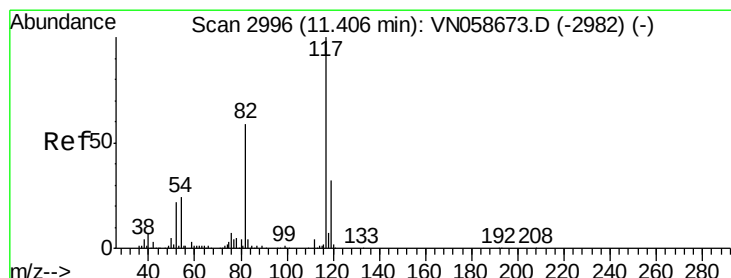
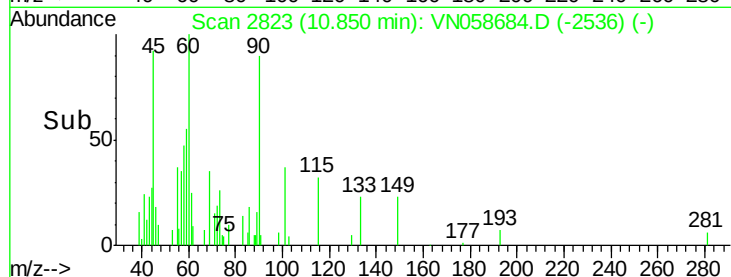
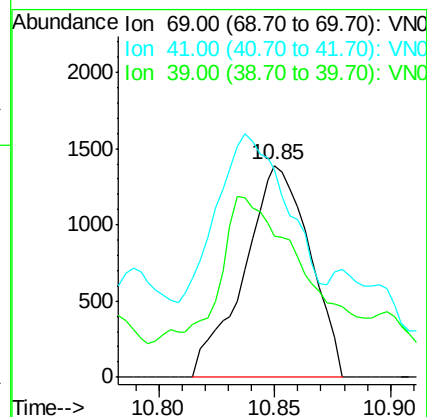
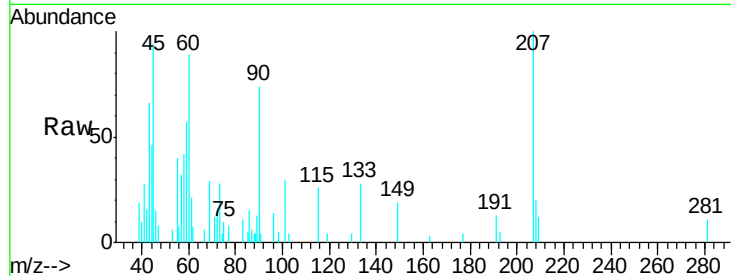
Tgt Ion: 69 Resp: 2733

Ion Ratio Lower Upper

69 100

41 51.3 34.7 104.1

39 41.5 20.3 60.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

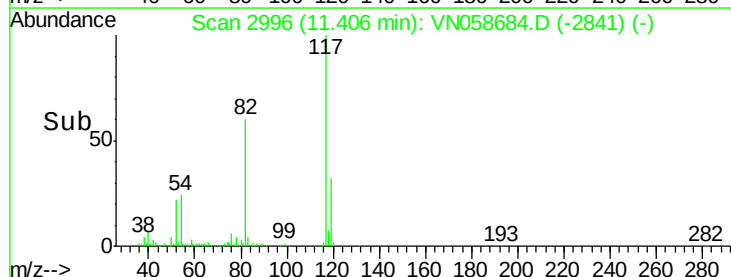
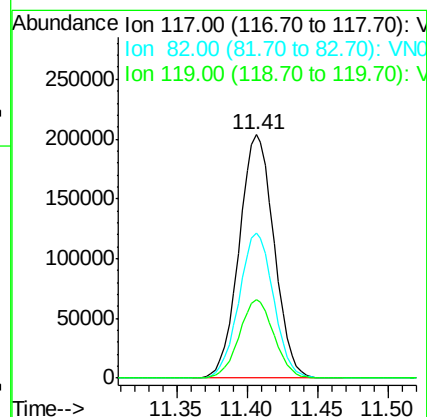
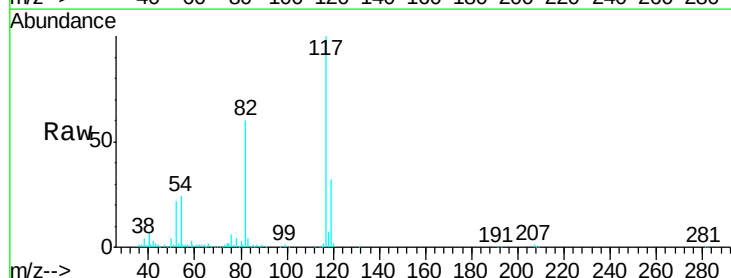
Tgt Ion: 117 Resp: 353824

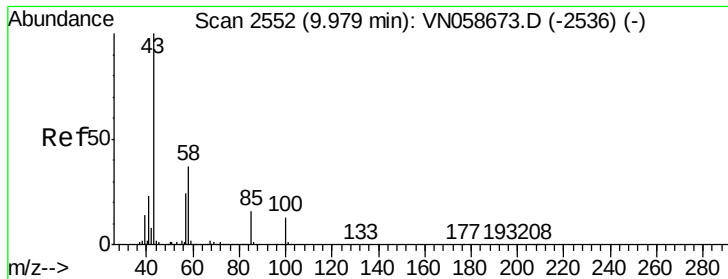
Ion Ratio Lower Upper

117 100

82 58.8 46.9 70.3

119 32.0 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 11.078 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

391009760.2-VOA

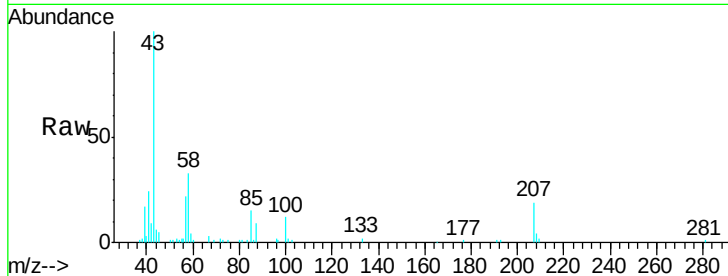
Tgt Ion: 43 Resp: 71505

Ion Ratio Lower Upper

43 100

58 28.2 30.1 45.1#

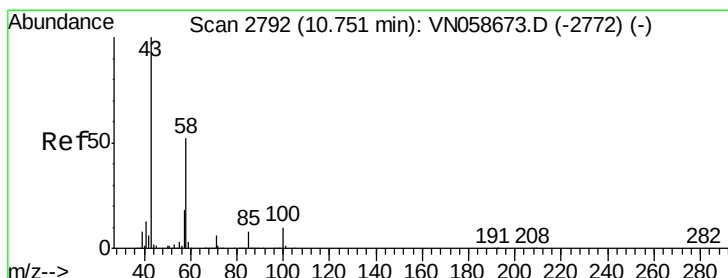
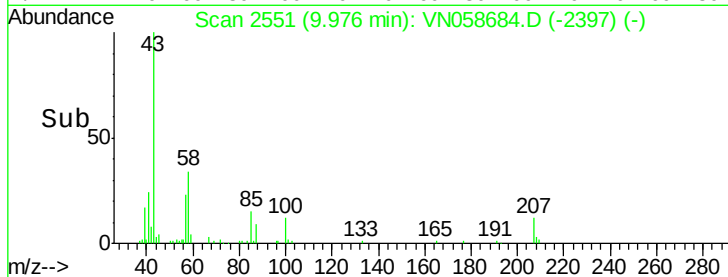
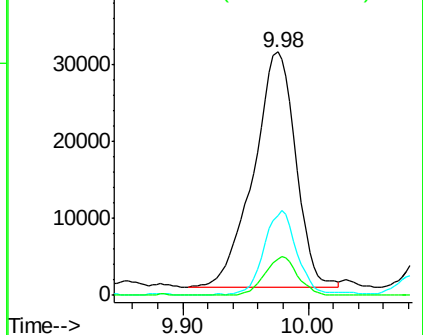
85 12.7 13.2 19.8#



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



#59

2-Hexanone

Concen: 26.501 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.04 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

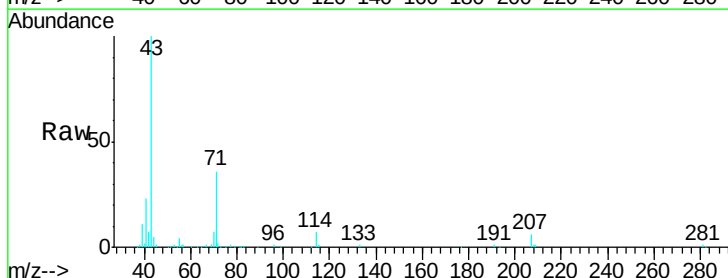
Tgt Ion: 43 Resp: 134102

Ion Ratio Lower Upper

43 100

58 0.0 41.4 62.0#

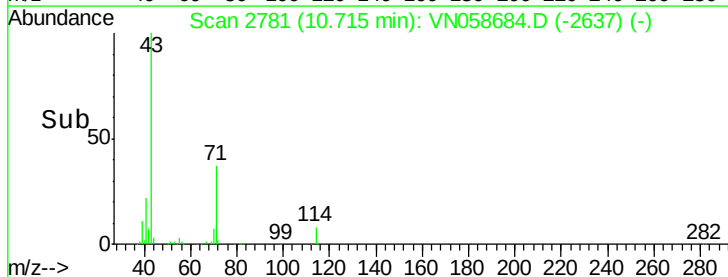
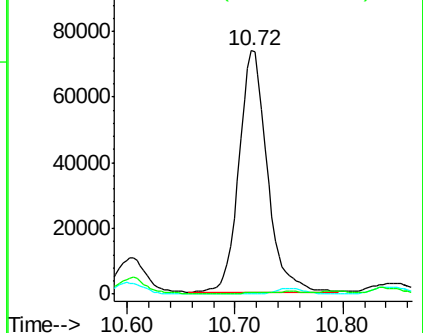
57 0.6 14.7 22.1#

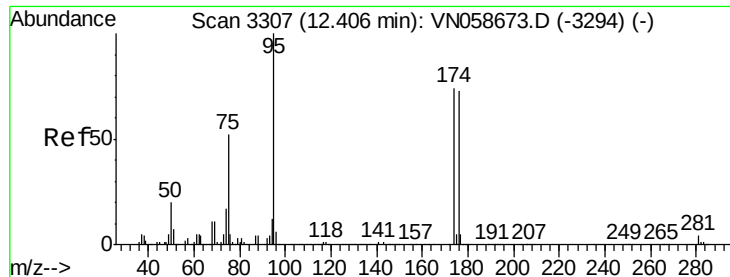


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 28.878 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampled :

391009760.2-VOA

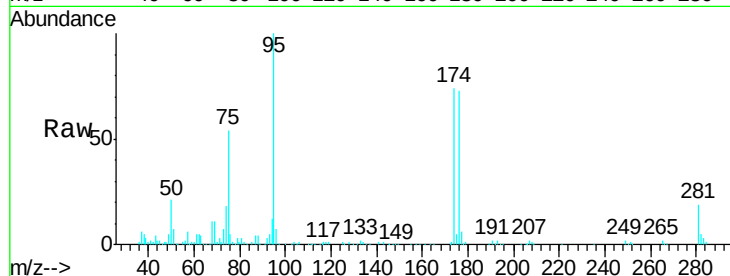
Tgt Ion: 95 Resp: 178736

Ion Ratio Lower Upper

95 100

174 75.5 59.9 89.9

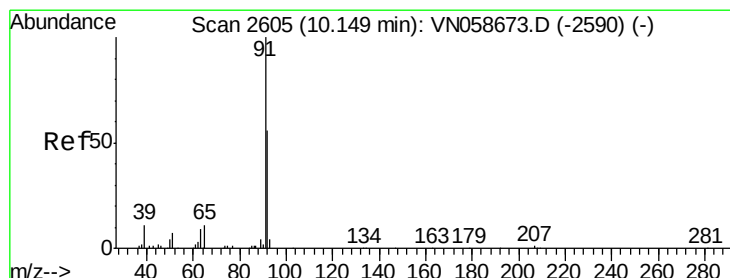
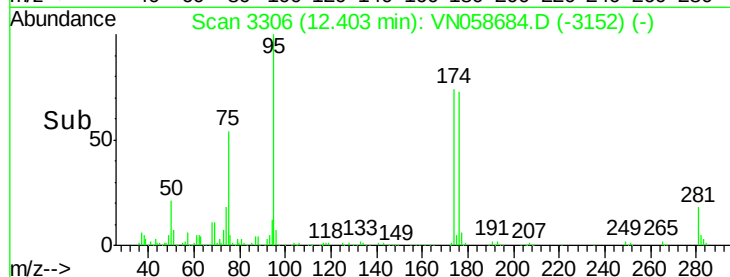
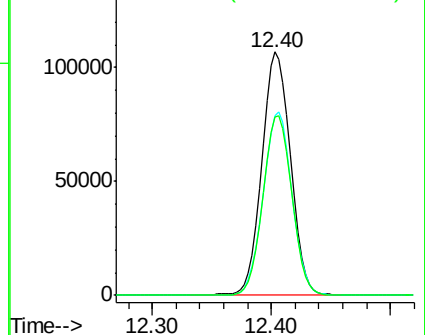
176 74.2 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN0

Ion 176.00 (175.70 to 176.70): VN0



#62

Toluene

Concen: 2.646 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058684.D

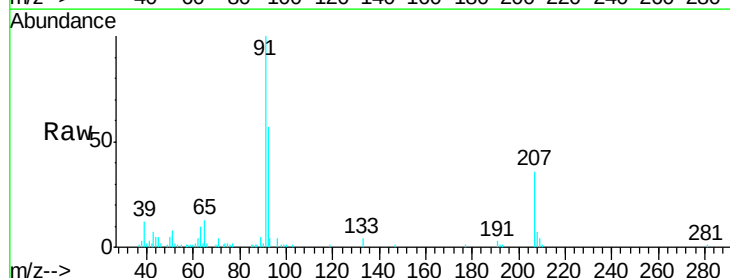
Acq: 10 Oct 2019 22:58

Tgt Ion: 91 Resp: 50355

Ion Ratio Lower Upper

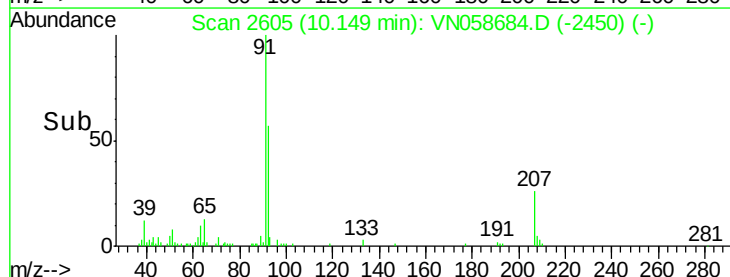
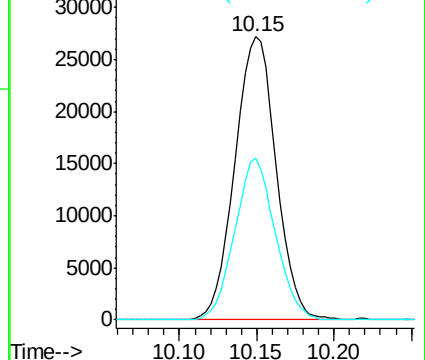
91 100

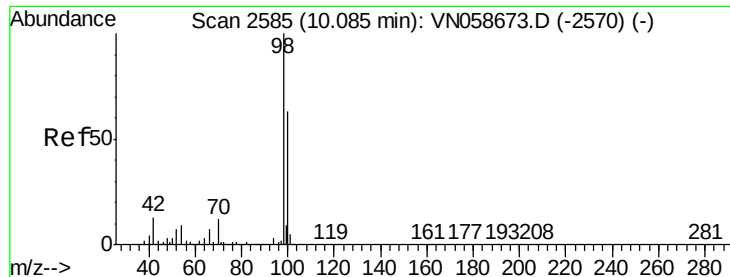
92 56.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.195 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

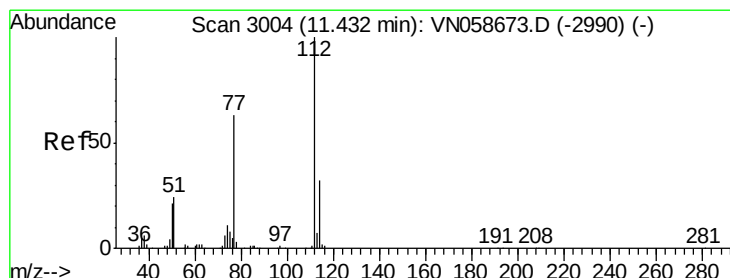
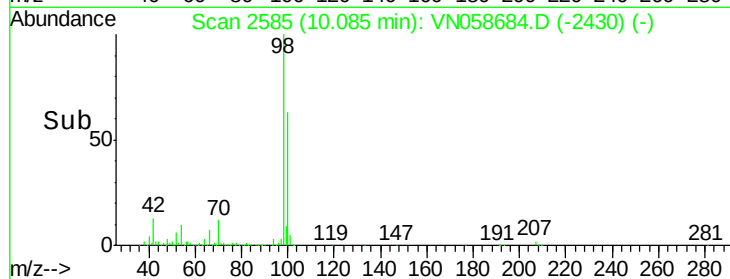
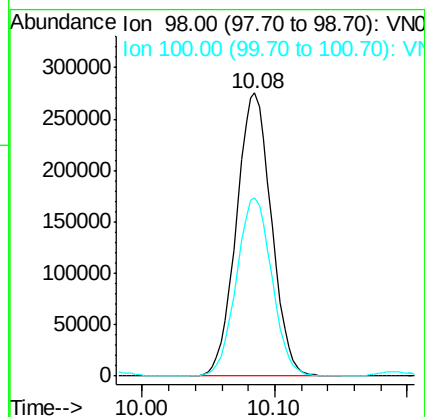
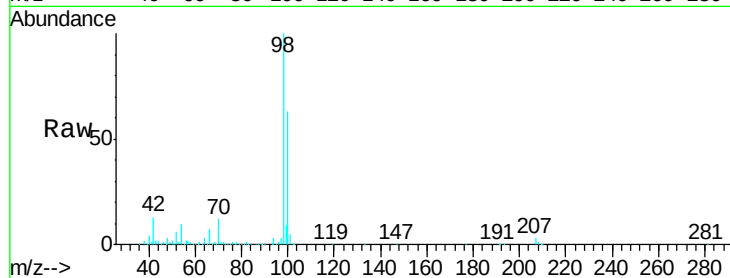
391009760.2-VOA

Tgt Ion: 98 Resp: 504447

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



#64

Chlorobenzene

Concen: 0.708 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058684.D

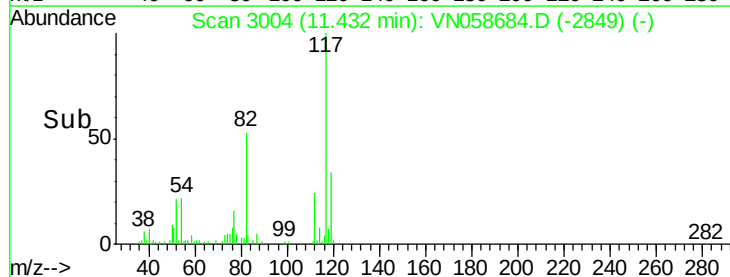
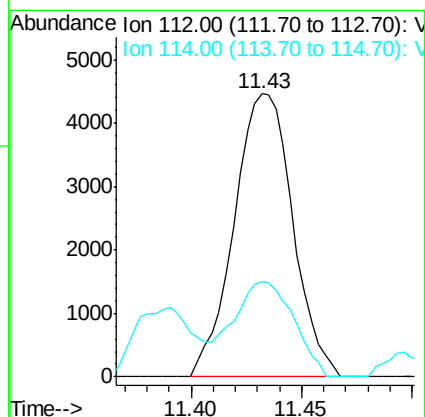
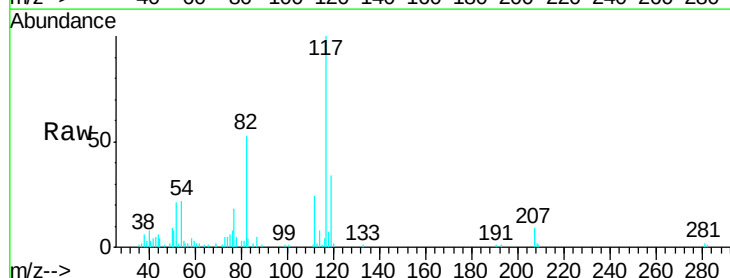
Acq: 10 Oct 2019 22:58

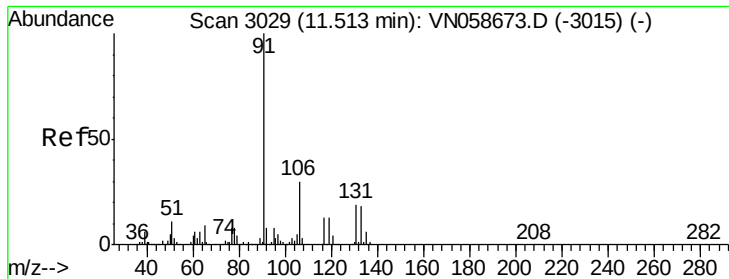
Tgt Ion: 112 Resp: 8244

Ion Ratio Lower Upper

112 100

114 33.6 25.7 38.5





#66

Ethyl Benzene

Concen: 0.829 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

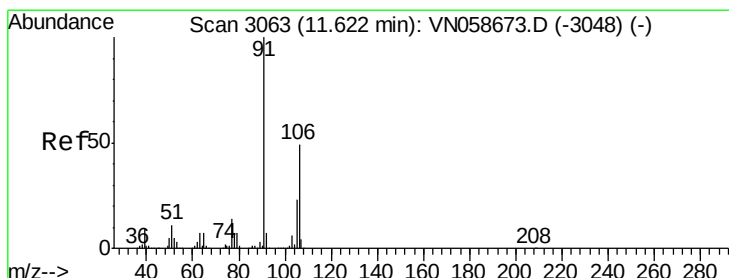
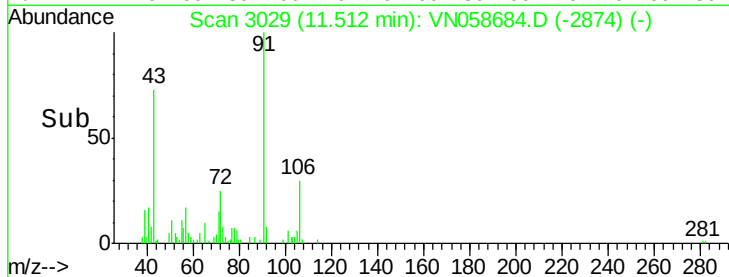
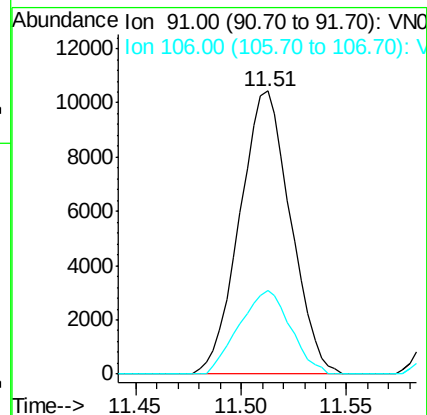
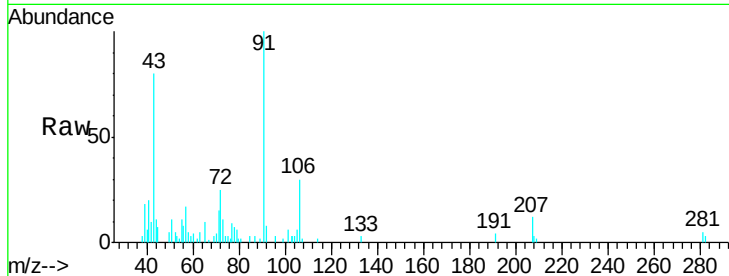
391009760.2-VOA

Tgt Ion: 91 Resp: 17471

Ion Ratio Lower Upper

91 100

106 29.5 24.2 36.4



#67

m/p-Xylenes

Concen: 8.789 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058684.D

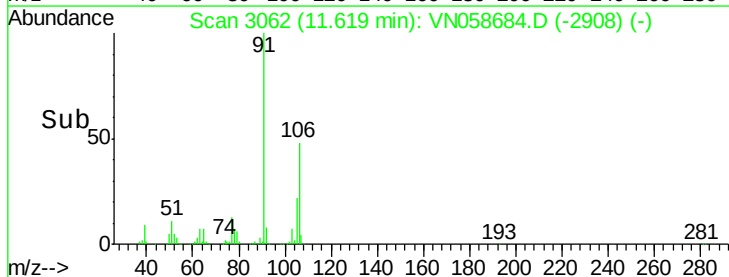
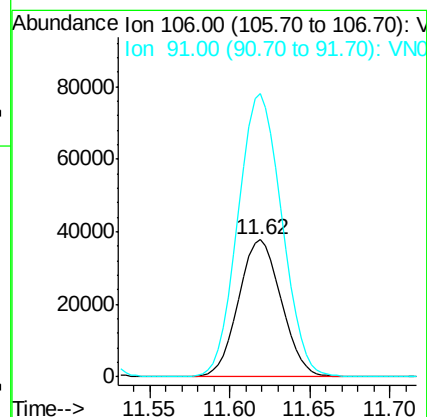
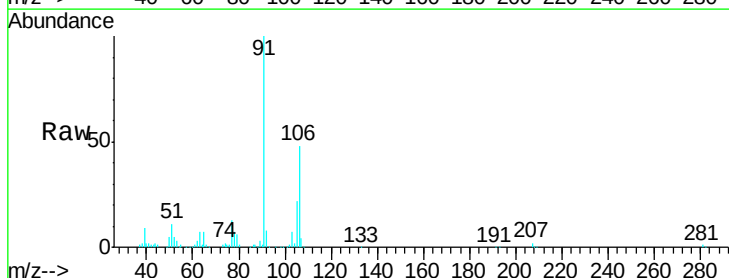
Acq: 10 Oct 2019 22:58

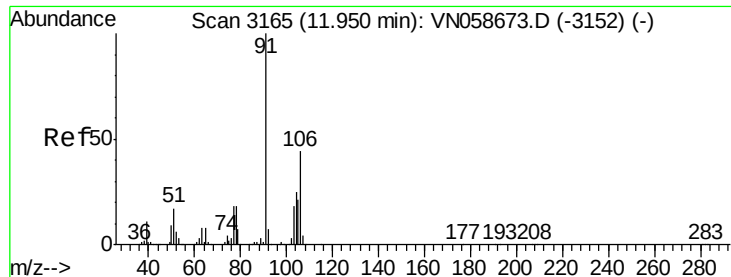
Tgt Ion: 106 Resp: 69201

Ion Ratio Lower Upper

106 100

91 211.8 165.6 248.4

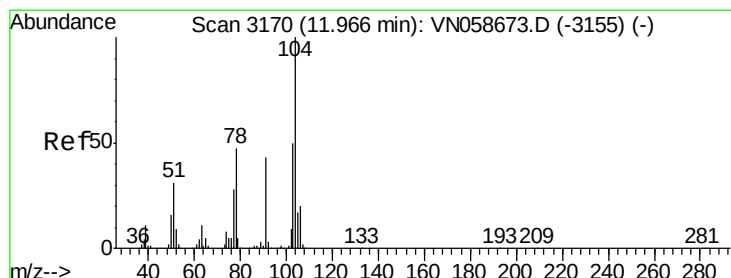
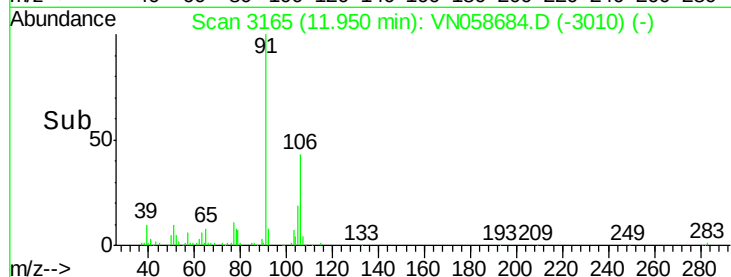
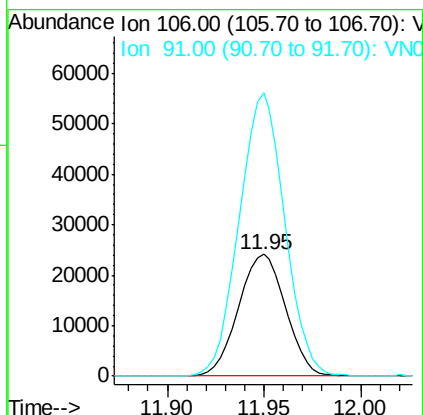
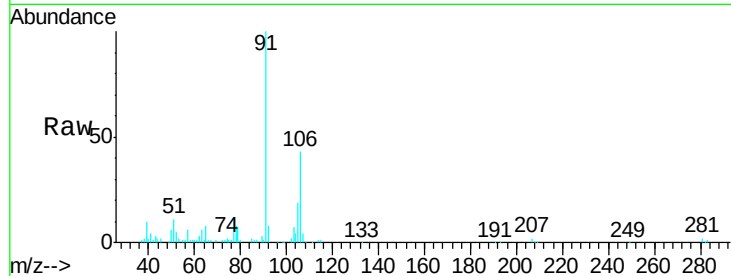




#68
o-Xylene
Concen: 5.359 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

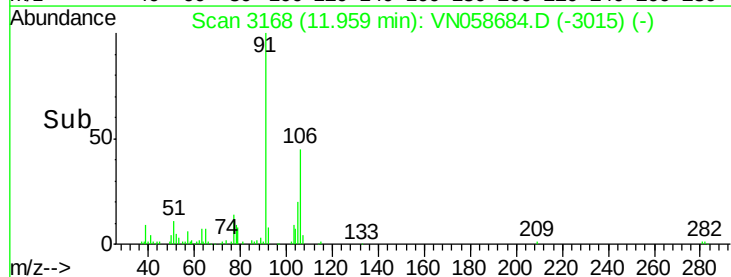
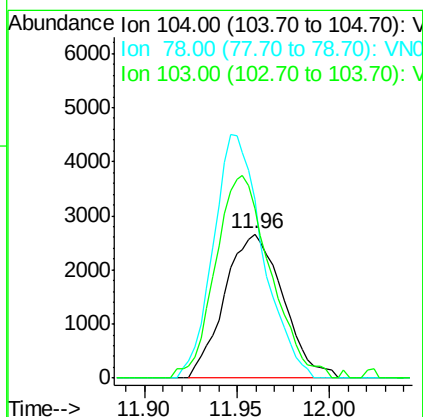
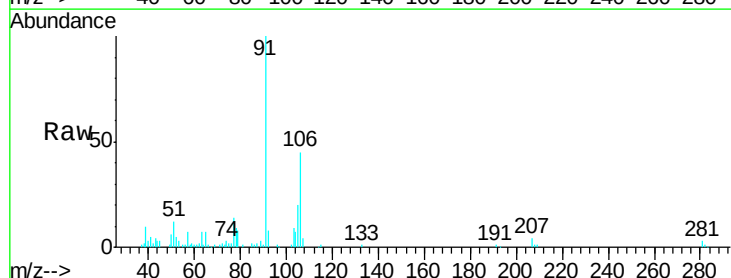
Instrument :
MSVOA_N
ClientSampleId :
391009760.2-VOA

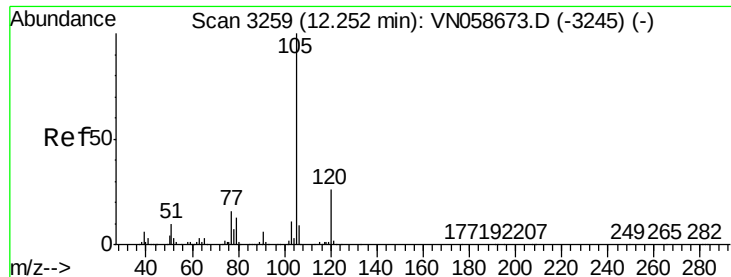
Tgt Ion:106 Resp: 40907
Ion Ratio Lower Upper
106 100
91 224.2 109.8 329.4



#69
Styrene
Concen: 0.462 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion:104 Resp: 5830
Ion Ratio Lower Upper
104 100
78 142.4 42.4 63.6#
103 130.9 44.6 66.8#





#70

Isopropylbenzene

Concen: 0.846 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

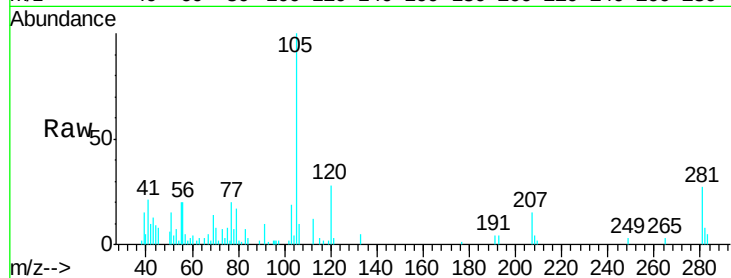
391009760.2-VOA

Tgt Ion: 105 Resp: 17429

Ion Ratio Lower Upper

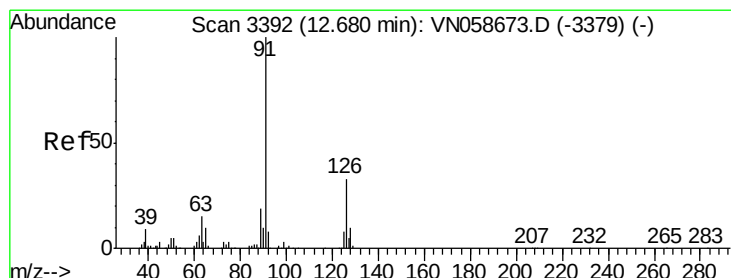
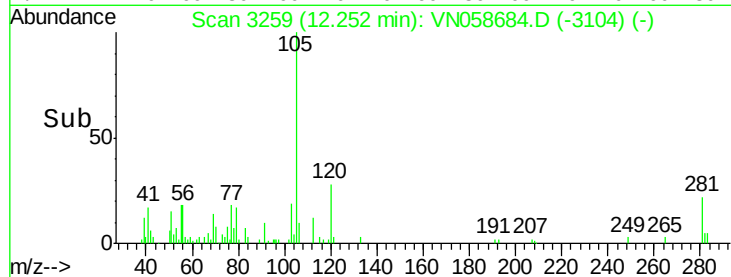
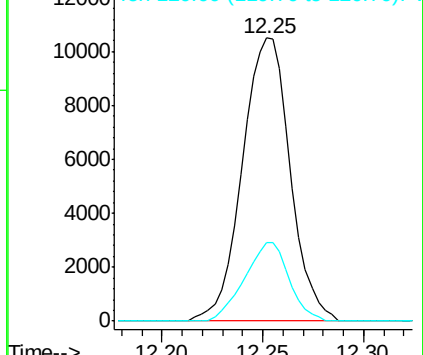
105 100

120 25.8 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.453 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN058684.D

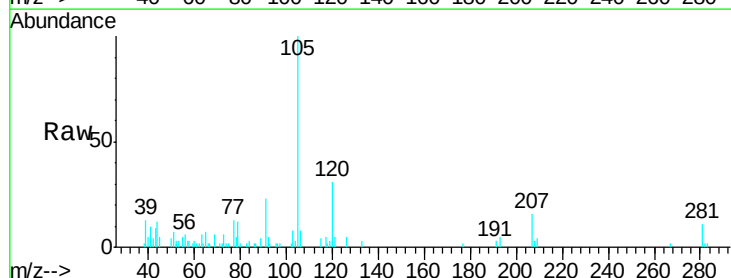
Acq: 10 Oct 2019 22:58

Tgt Ion: 91 Resp: 6580

Ion Ratio Lower Upper

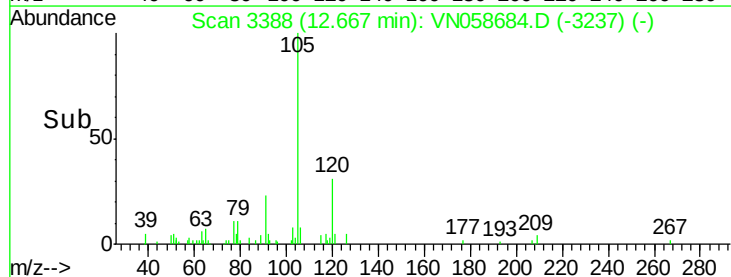
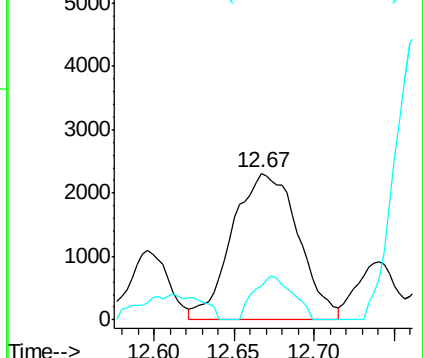
91 100

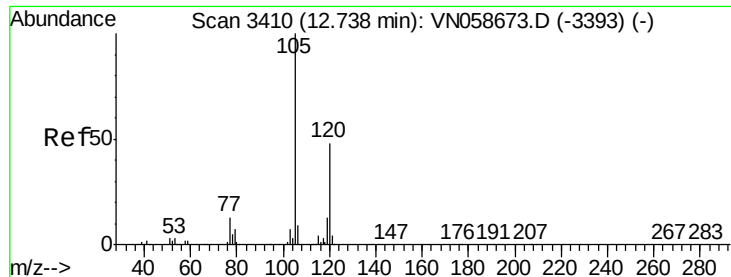
126 17.6 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.692 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

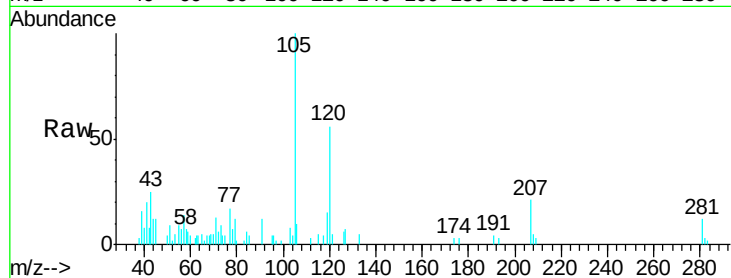
391009760.2-VOA

Tgt Ion: 105 Resp: 12220

Ion Ratio Lower Upper

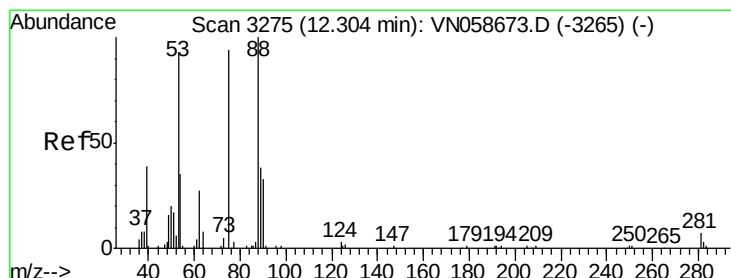
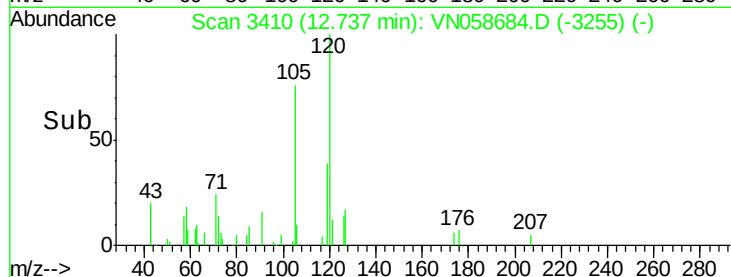
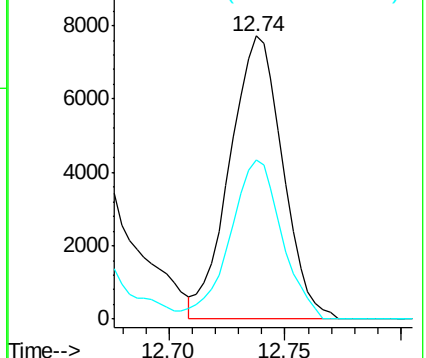
105 100

120 55.0 0.0 94.0



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: 0.997 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.06 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

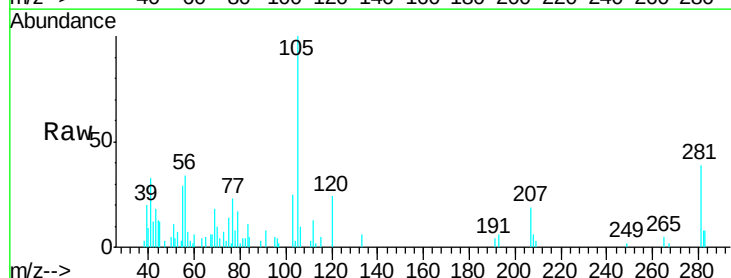
Tgt Ion: 75 Resp: 2388

Ion Ratio Lower Upper

75 100

53 58.0 50.0 150.0

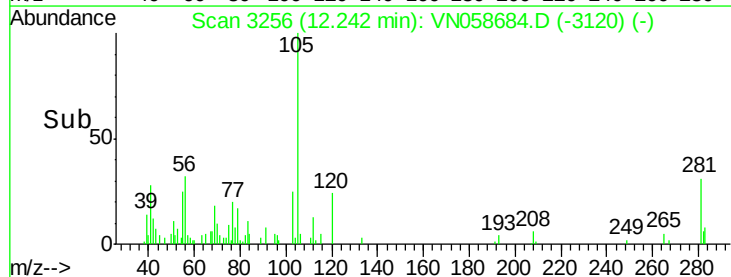
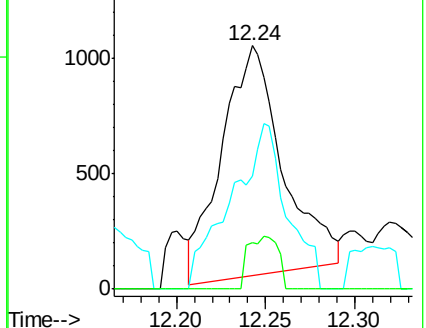
89 23.6 20.7 62.1

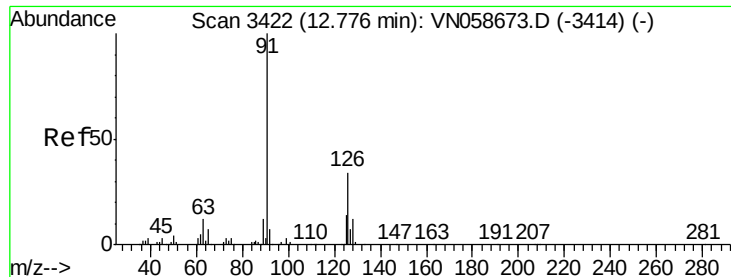


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

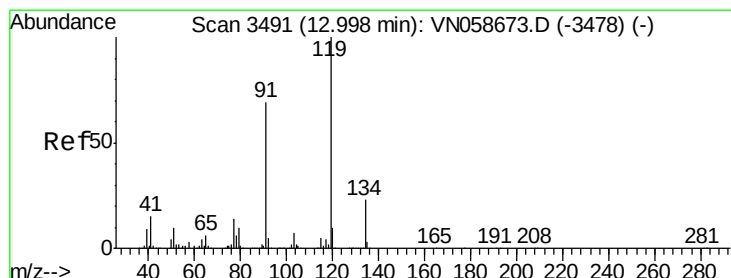
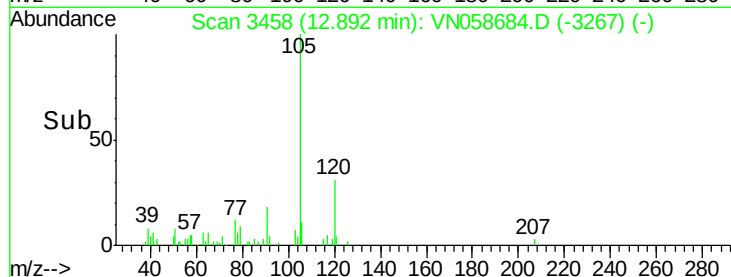
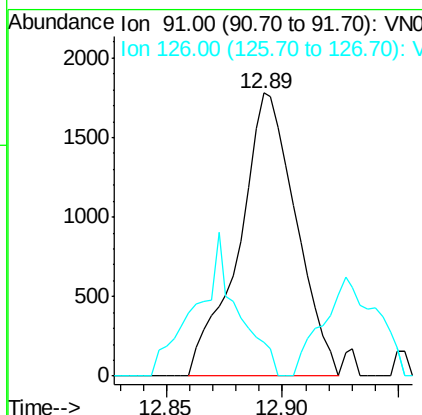
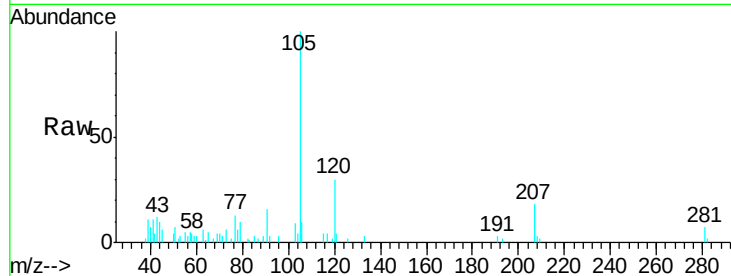




#78
4-Chlorotoluene
Concen: 0.204 ug/l
RT: 12.89 min Scan# 3458
Delta R.T. 0.12 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

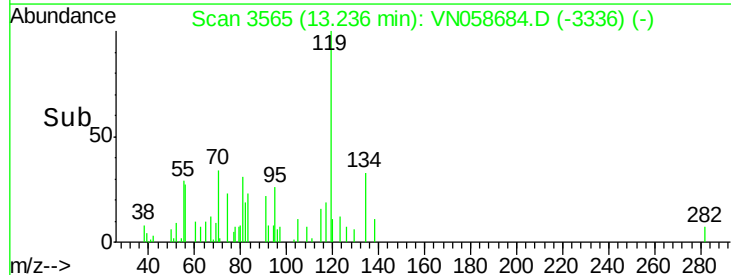
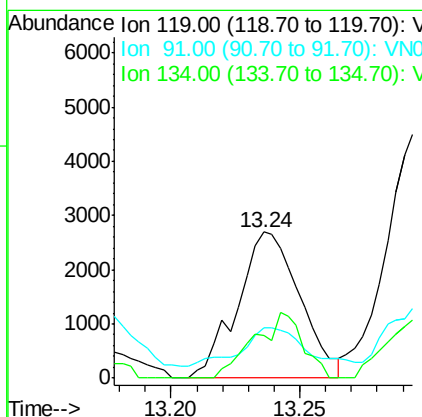
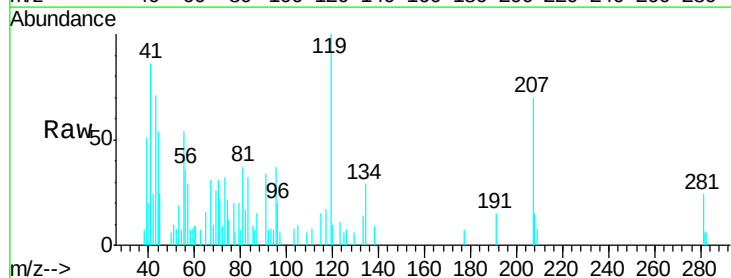
Instrument :
MSVOA_N
ClientSampleId :
391009760.2-VOA

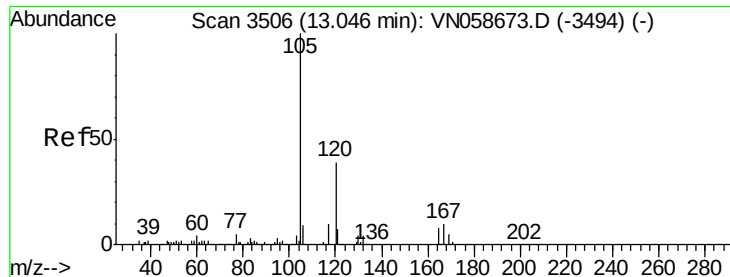
Tgt Ion: 91 Resp: 3053
Ion Ratio Lower Upper
91 100
126 23.1 0.0 63.4



#79
tert-butylbenzene
Concen: 0.302 ug/l
RT: 13.24 min Scan# 3565
Delta R.T. 0.24 min
Lab File: VN058684.D
Acq: 10 Oct 2019 22:58

Tgt Ion: 119 Resp: 4559
Ion Ratio Lower Upper
119 100
91 31.3 0.0 136.4
134 18.9 0.0 47.2





#80

1,2,4-Trimethylbenzene

Concen: 2.500 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

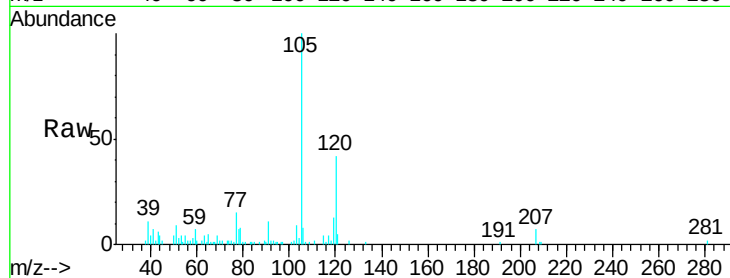
391009760.2-VOA

Tgt Ion:105 Resp: 43850

Ion Ratio Lower Upper

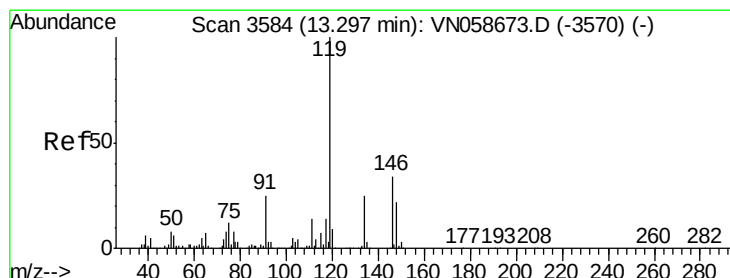
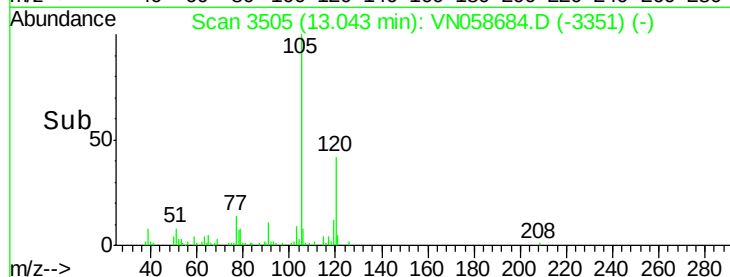
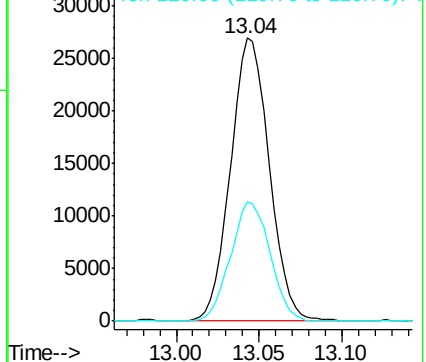
105 100

120 42.7 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

p-Isopropyltoluene

Concen: 0.388 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

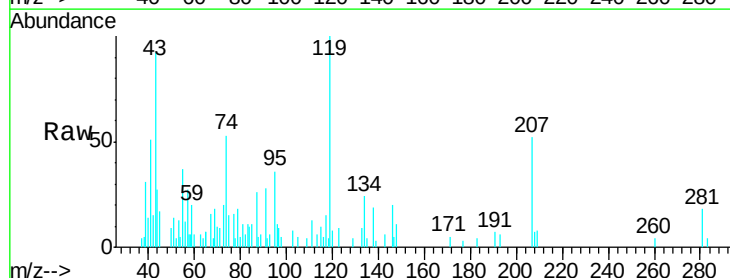
Tgt Ion:119 Resp: 7072

Ion Ratio Lower Upper

119 100

134 23.0 0.0 50.8

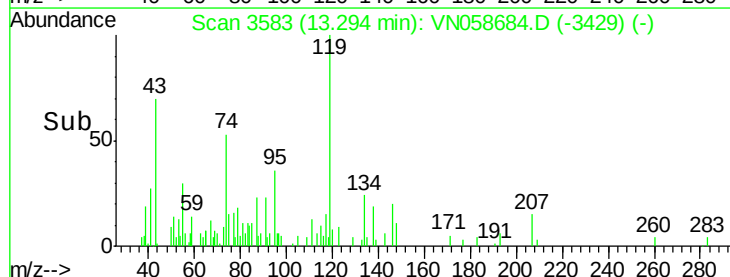
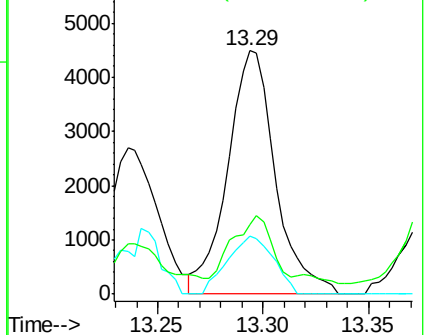
91 20.4 0.0 49.4

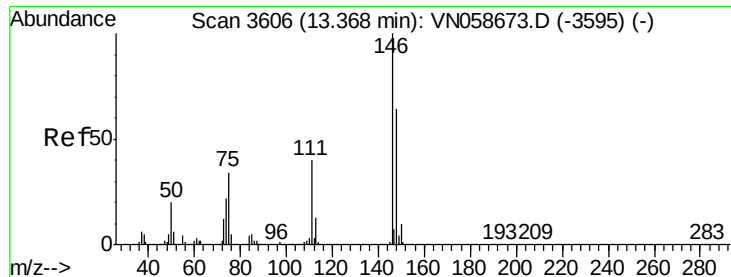


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#84

1,4-Dichlorobenzene

Concen: 3.372 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

391009760.2-VOA

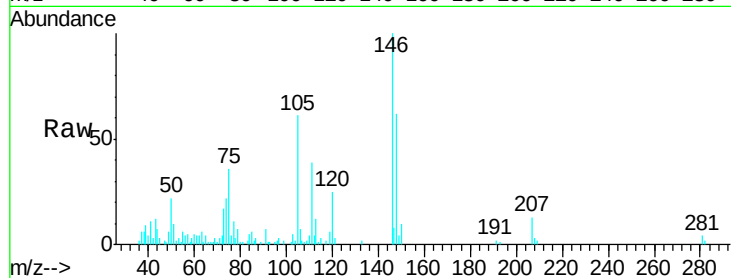
Tgt Ion:146 Resp: 30503

Ion Ratio Lower Upper

146 100

111 41.9 19.8 59.4

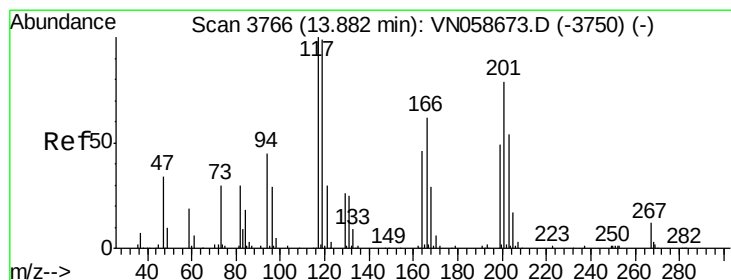
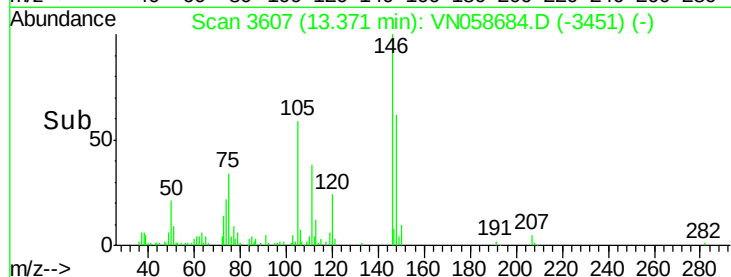
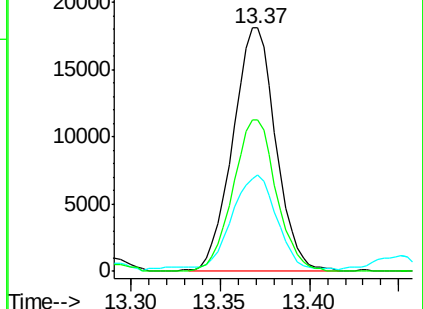
148 62.5 31.6 94.8



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



#86

Hexachloroethane

Concen: 0.284 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058684.D

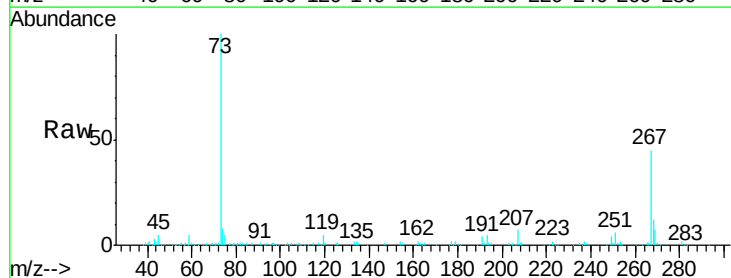
Acq: 10 Oct 2019 22:58

Tgt Ion:117 Resp: 941

Ion Ratio Lower Upper

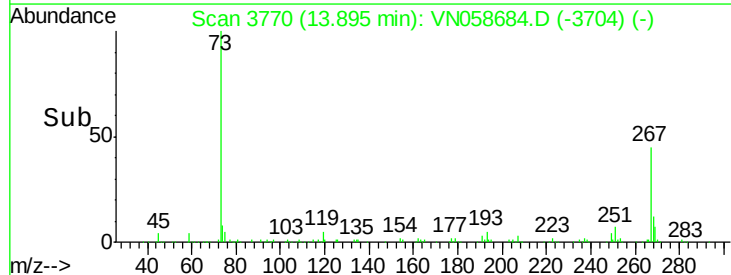
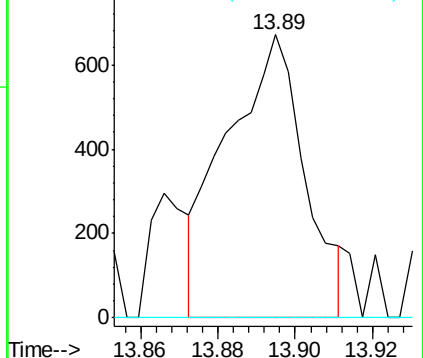
117 100

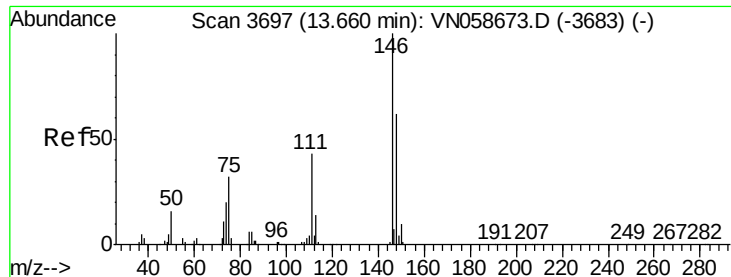
201 0.0 38.7 116.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

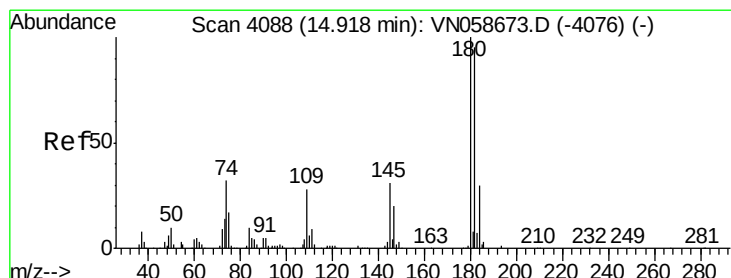
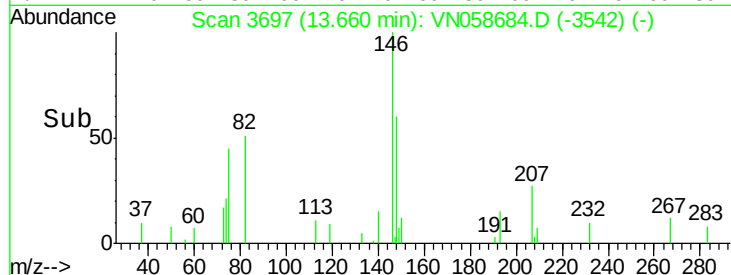
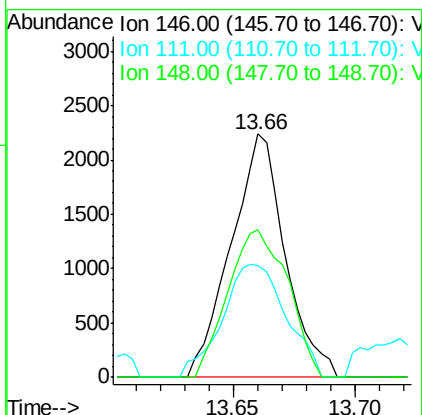
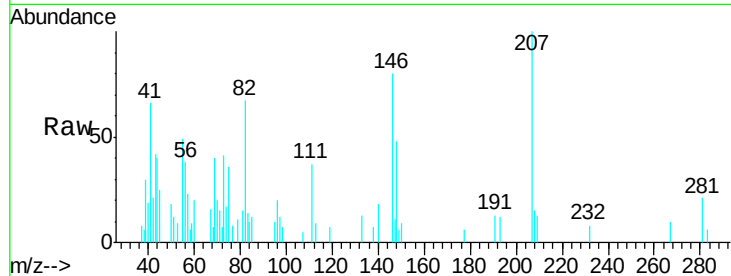




#87
 1,2-Dichlorobenzene
 Concen: 0.385 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

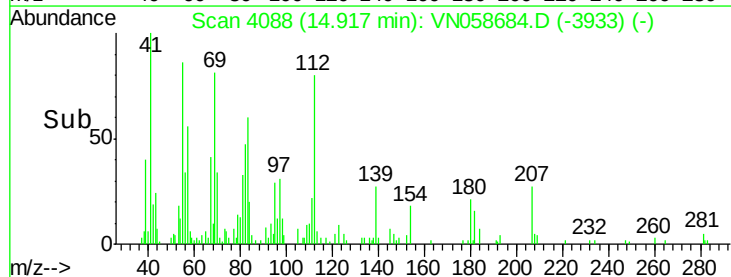
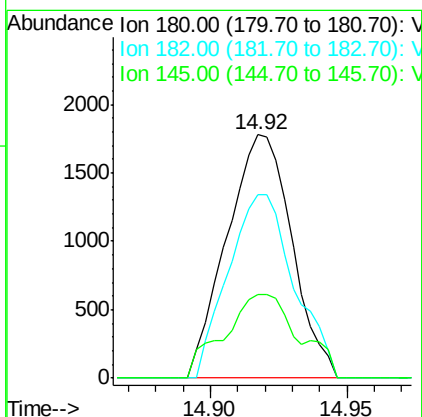
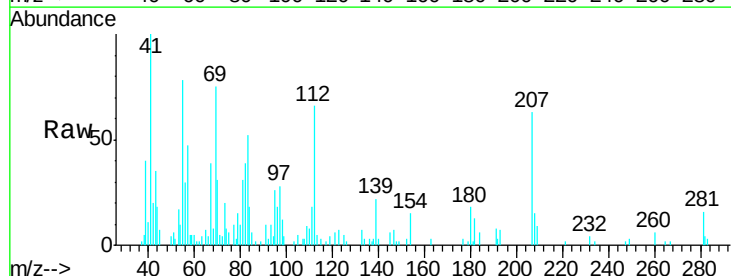
Instrument :
 MSVOA_N
 ClientSampleId :
 391009760.2-VOA

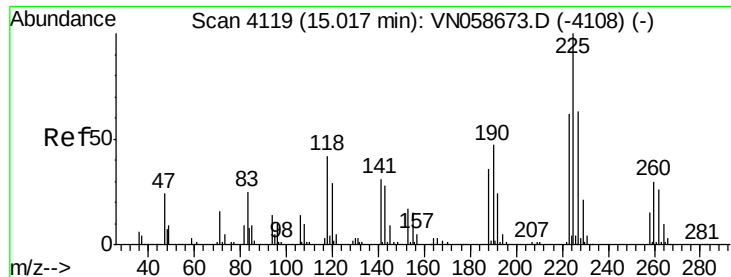
Tgt Ion:146 Resp: 3444
 Ion Ratio Lower Upper
 146 100
 111 54.7 21.8 65.4
 148 67.4 32.1 96.5



#89
 1,2,4-Trichlorobenzene
 Concen: 0.521 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

Tgt Ion:180 Resp: 2939
 Ion Ratio Lower Upper
 180 100
 182 76.4 75.3 112.9
 145 13.2 24.8 37.2#





#90

Hexachlorobutadiene

Concen: 0.213 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

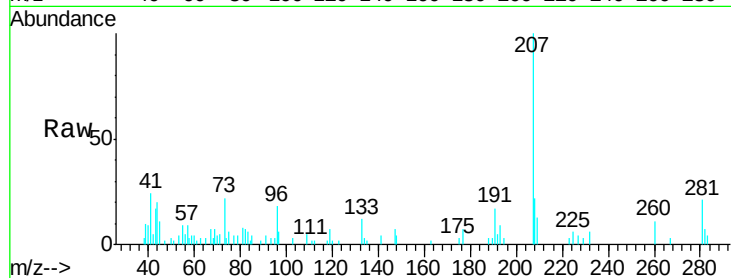
Instrument :

MSVOA_N

ClientSampleId :

391009760.2-VOA

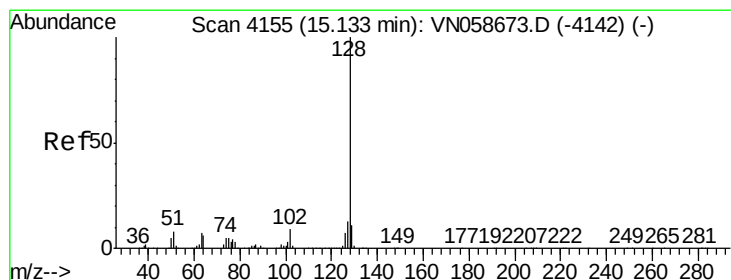
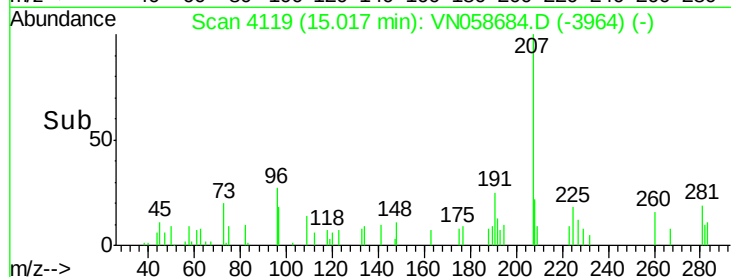
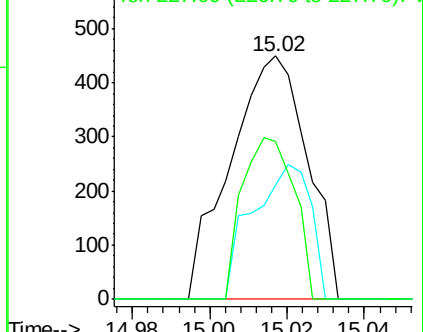
Tgt Ion:	225	Resp:	620
Ion	Ratio	Lower	Upper
225	100		
223	32.4	0.0	126.2
227	44.7	0.0	127.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 2.114 ug/l

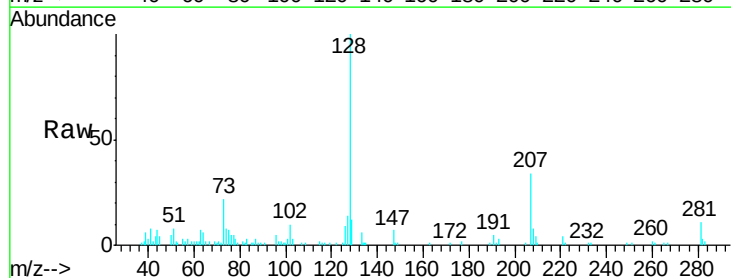
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058684.D

Acq: 10 Oct 2019 22:58

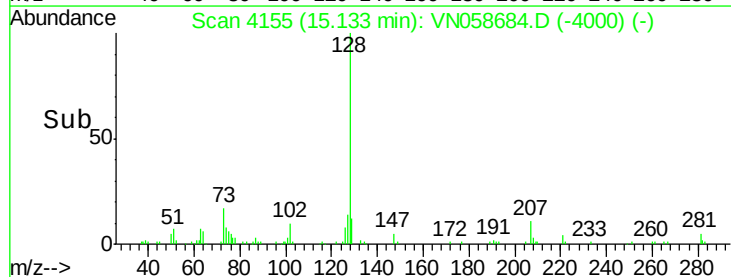
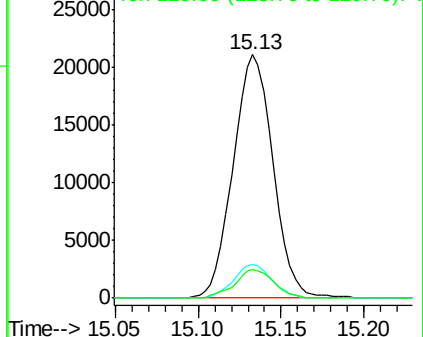
Tgt Ion:	128	Resp:	35248
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.5	8.6	13.0

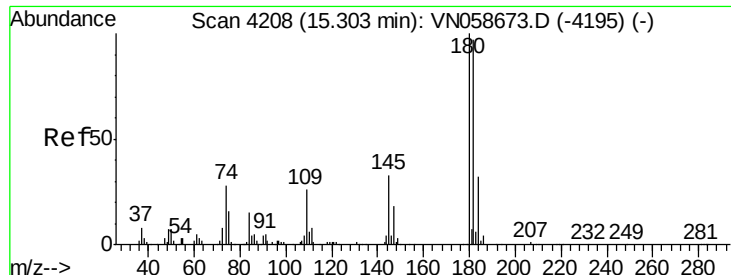


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 0.556 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058684.D
 Acq: 10 Oct 2019 22:58

Instrument :
 MSVOA_N
 ClientSampleId :
 391009760.2-VOA

Tgt Ion:	180	Resp:	3057
Ion	Ratio	Lower	Upper
180	100		
182	98.3	0.0	193.4
145	42.9	0.0	65.8

