

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
 Data File : VN058682.D
 Acq On : 10 Oct 2019 22:14
 Operator : JC/SP
 Sample : K5307-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

Quant Time: Oct 11 08:41:22 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	7.18	128	66289	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	403581	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	324980	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	192482	34.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	114.03%
60) 4-Bromofluorobenzene	12.41	95	157834	27.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.53%
63) Toluene-d8	10.09	98	479191	31.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	2180	0.607 ug/l	98
3) Chloromethane	2.04	50	1179	0.246 ug/l	91
4) Vinyl Chloride	2.18	62	1015	0.205 ug/l	96
8) Diethyl Ether	3.38	74	34073	14.638 ug/l	91
13) Acrolein	3.60	56	214	0.349 ug/l #	51
15) Acetone	4.11	58	243	0.374 ug/l	69
16) Carbon Disulfide	3.99	76	2403	0.238 ug/l #	75
23) tert-Butyl Alcohol	4.71	59	8788	9.826 ug/l #	100
24) Methyl tert-Butyl Ether	5.01	73	5475	0.423 ug/l #	62
26) Cyclohexane	7.62	56	1436	0.210 ug/l #	76
31) 2,2-Dichloropropane	6.86	77	6719	0.897 ug/l #	53
34) Benzene	8.02	78	44614	2.385 ug/l #	1
35) Methacrylonitrile	7.19	41	198205	62.497 ug/l #	62
43) Ethyl Acetate	6.87	43	16510	2.343 ug/l #	1
45) 1,4-Dioxane	9.20	88	8099	92.409 ug/l #	89
51) Ethyl methacrylate	10.86	69	1611	0.219 ug/l	76
56) Bromoform	12.41	173	915	0.266 ug/l #	1
58) 4-Methyl-2-Pentanone	9.97	43	2236	0.377 ug/l #	81
59) 2-Hexanone	10.72	43	29495	6.346 ug/l #	35
62) Toluene	10.15	91	16738	0.958 ug/l	98
64) Chlorobenzene	11.43	112	145936	13.655 ug/l	99
66) Ethyl Benzene	11.51	91	43712	2.258 ug/l	99
67) m/p-Xylenes	11.63	106	29867	4.130 ug/l	91
68) o-Xylene	11.95	106	33693	4.806 ug/l	100
69) Styrene	11.96	104	3651	0.315 ug/l #	1
70) Isopropylbenzene	12.25	105	31499	1.664 ug/l	100
74) n-propylbenzene	12.60	91	19534	0.882 ug/l	99
75) 2-Chlorotoluene	12.68	91	11515	0.864 ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	6963	0.430 ug/l	93
80) 1,2,4-Trimethylbenzene	13.05	105	36109	2.242 ug/l	100
81) sec-Butylbenzene	13.18	105	4153	0.223 ug/l	98
83) 1,3-Dichlorobenzene	13.37	146	75995	9.135 ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	75995	9.146 ug/l	99
85) n-Butylbenzene	13.62	91	4047	0.264 ug/l	78
86) Hexachloroethane	13.90	117	1636	0.537 ug/l #	11
87) 1,2-Dichlorobenzene	13.66	146	6681	0.813 ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	2529	0.488 ug/l	88

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

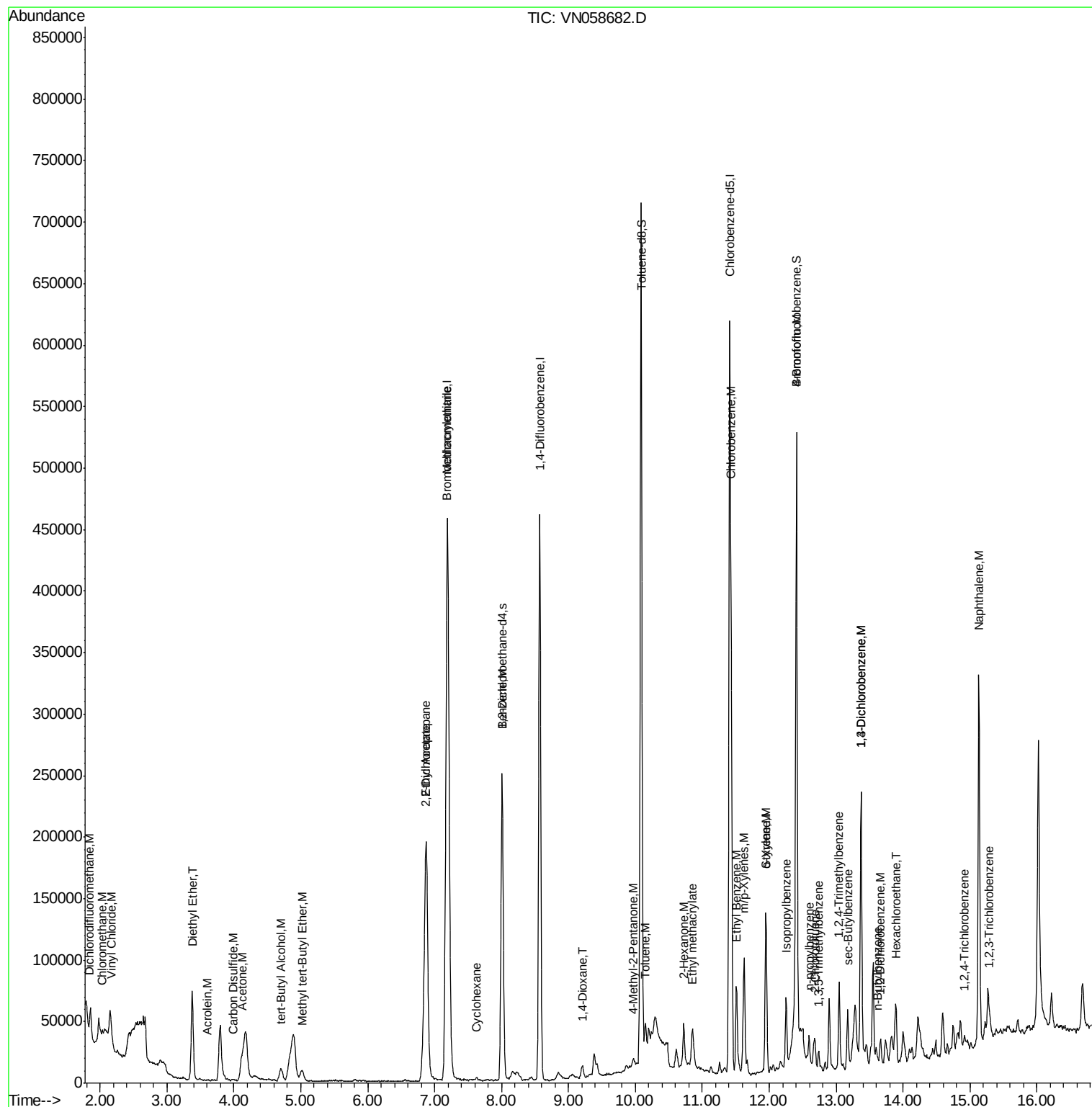
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Naphthalene	15.13	128	228885	14.949	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	2733	0.541	ug/l	83

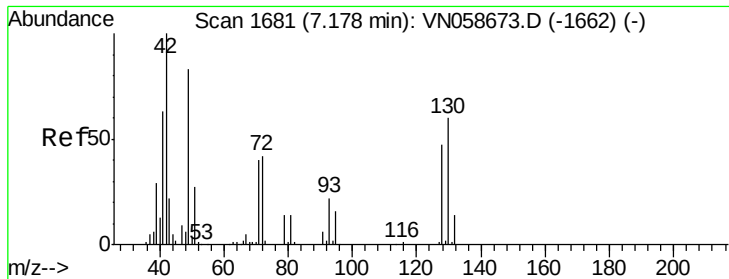
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

391009764.2-VOA

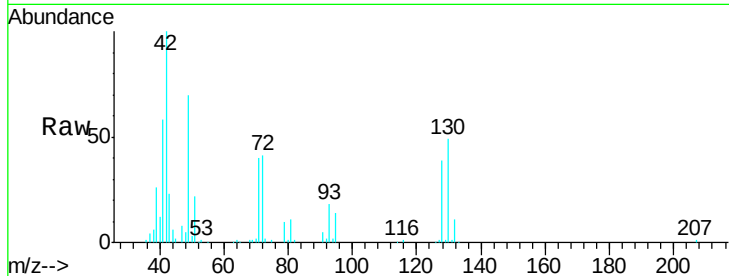
Tgt Ion:128 Resp: 66289

Ion Ratio Lower Upper

128 100

49 184.8 0.0 453.5

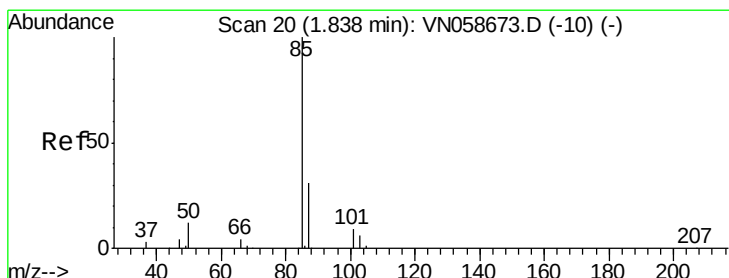
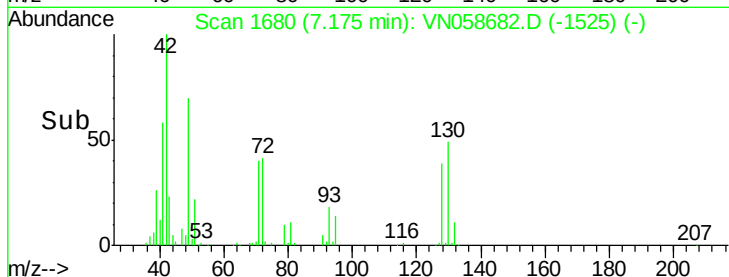
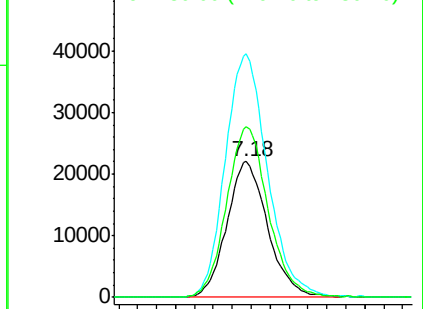
130 127.6 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.607 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058682.D

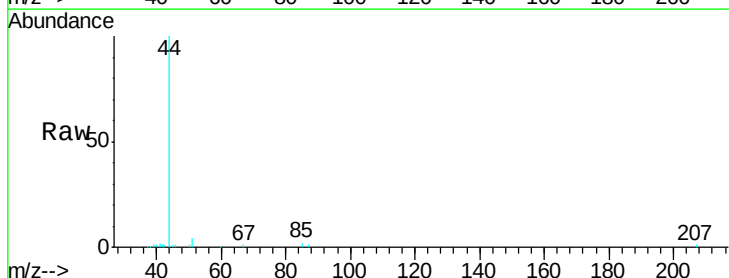
Acq: 10 Oct 2019 22:14

Tgt Ion: 85 Resp: 2180

Ion Ratio Lower Upper

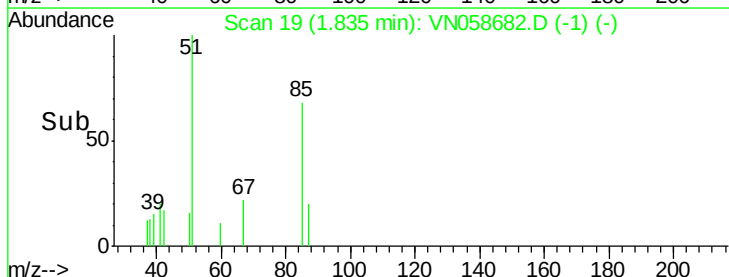
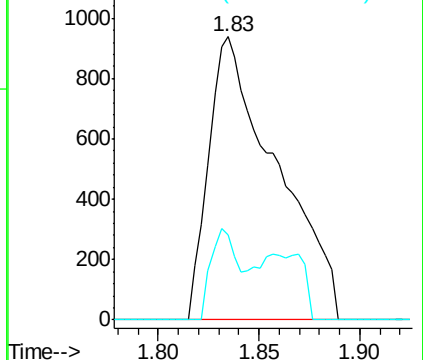
85 100

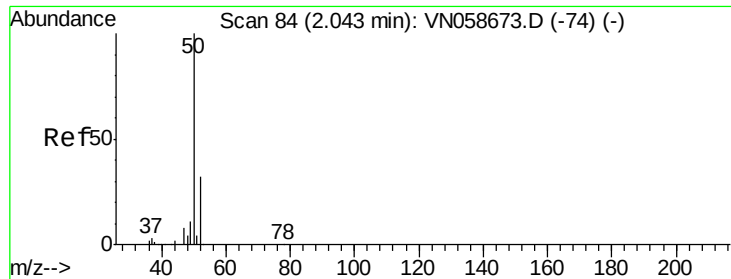
87 30.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 0.246 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

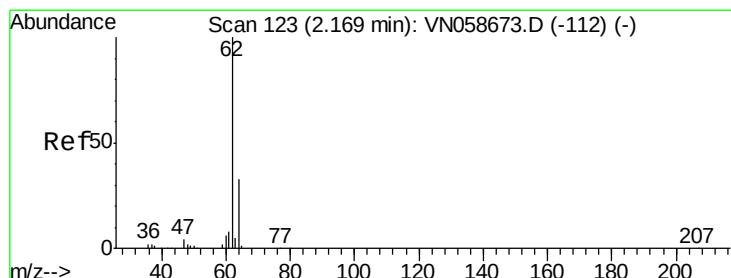
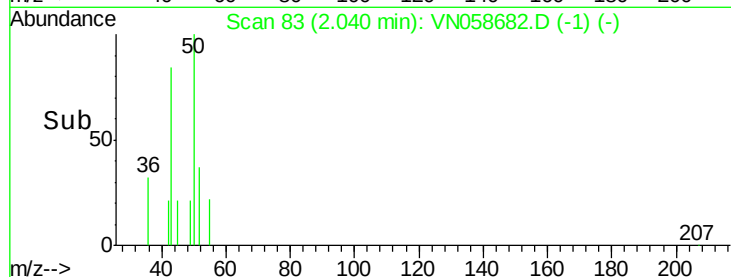
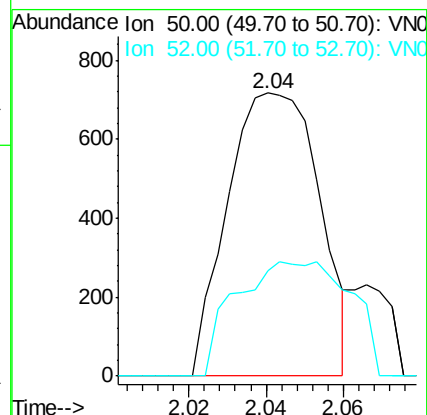
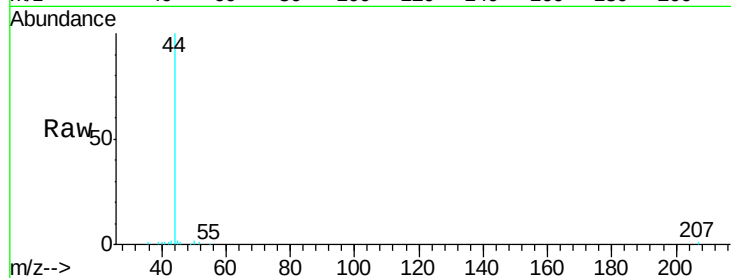
391009764.2-VOA

Tgt Ion: 50 Resp: 1179

Ion Ratio Lower Upper

50 100

52 37.1 25.8 38.8



#4

Vinyl Chloride

Concen: 0.205 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.01 min

Lab File: VN058682.D

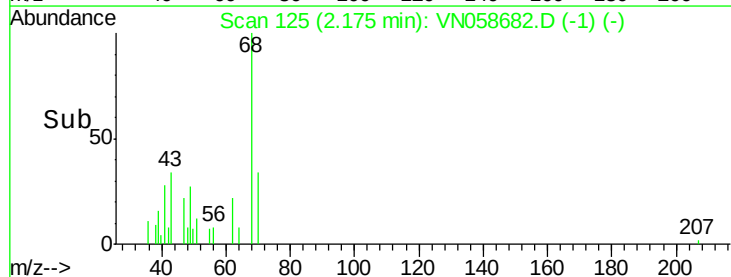
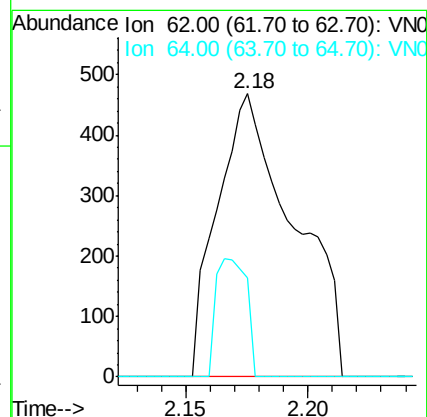
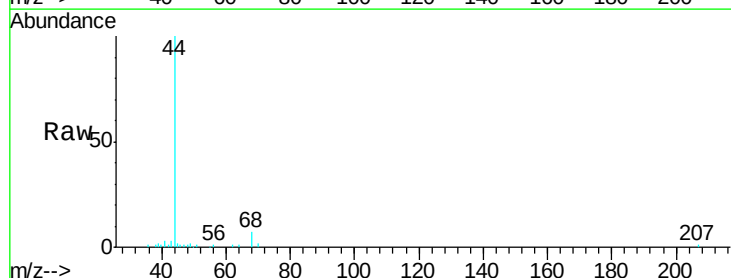
Acq: 10 Oct 2019 22:14

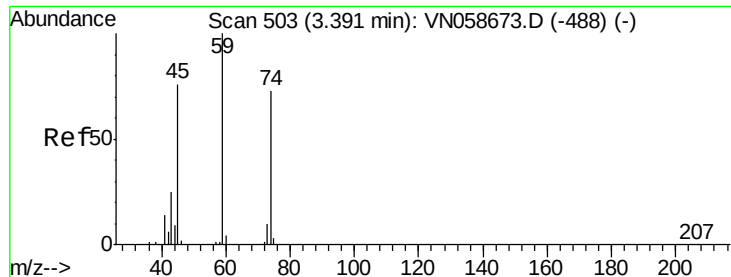
Tgt Ion: 62 Resp: 1015

Ion Ratio Lower Upper

62 100

64 34.8 26.1 39.1





#8

Diethyl Ether

Concen: 14.638 ug/l

RT: 3.38 min Scan# 499

Delta R.T. -0.01 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

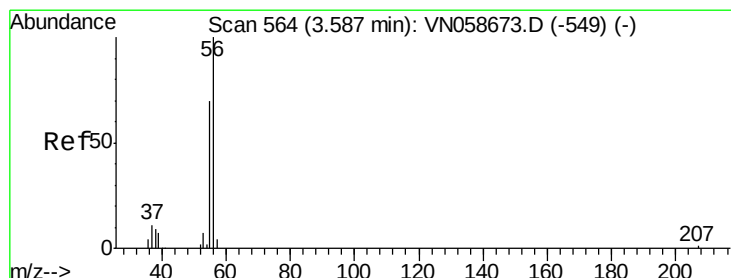
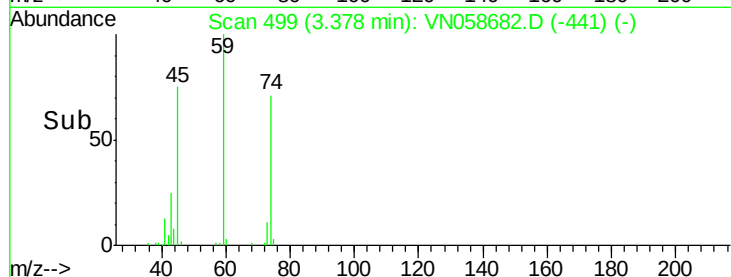
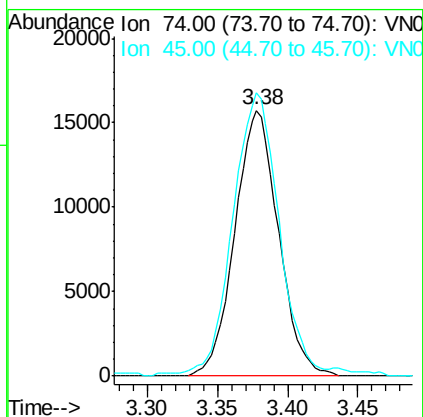
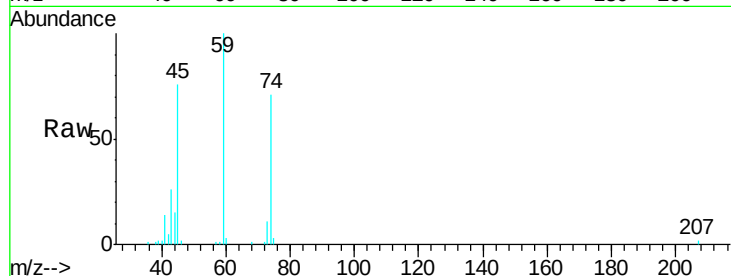
391009764.2-VOA

Tgt Ion: 74 Resp: 34073

Ion Ratio Lower Upper

74 100

45 112.8 20.6 185.8



#13

Acrolein

Concen: 0.349 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.01 min

Lab File: VN058682.D

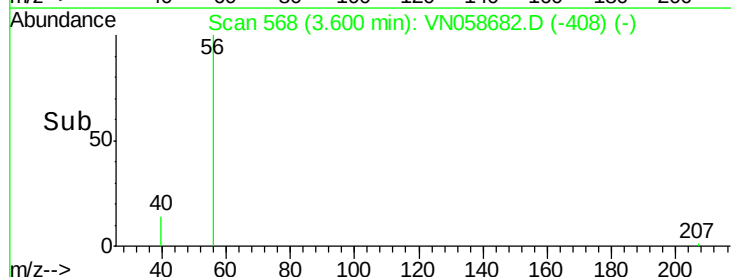
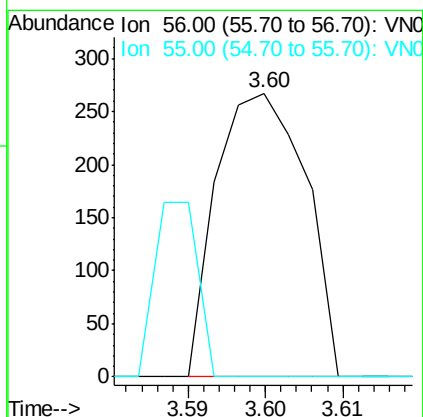
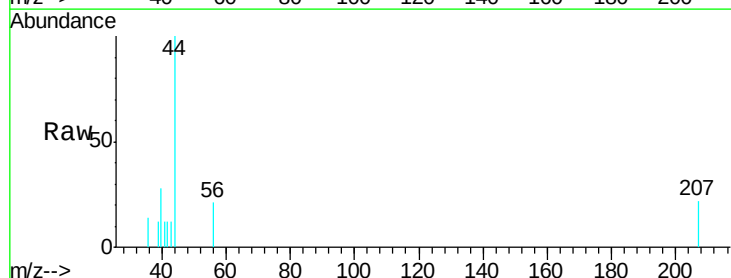
Acq: 10 Oct 2019 22:14

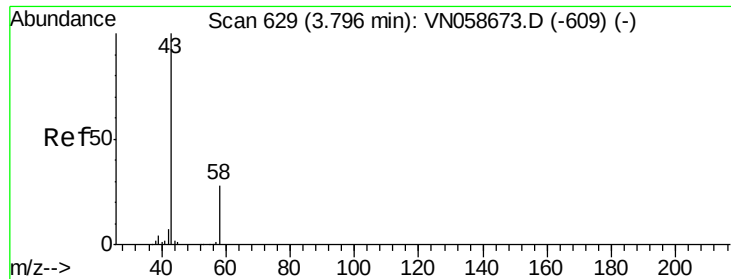
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 29.4 55.9 83.9#





#15

Acetone

Concen: 0.374 ug/l

RT: 4.11 min Scan# 727

Delta R.T. 0.32 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

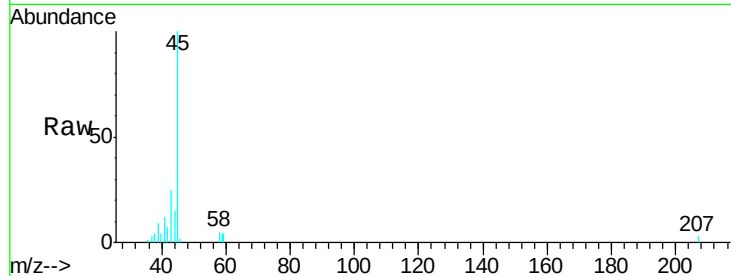
391009764.2-VOA

Tgt Ion: 58 Resp: 243

Ion Ratio Lower Upper

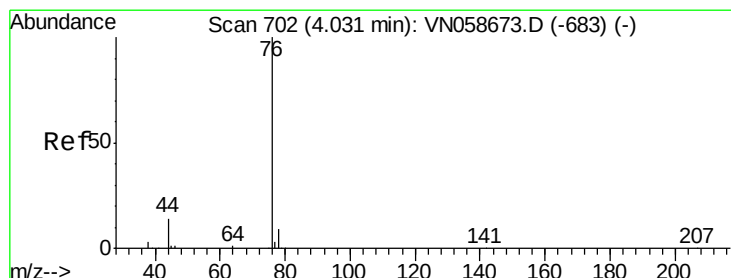
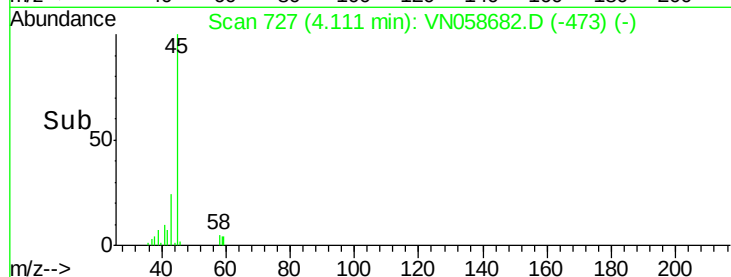
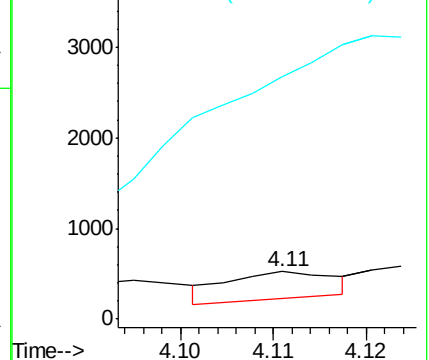
58 100

43 284.6 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.238 ug/l

RT: 3.99 min Scan# 689

Delta R.T. -0.04 min

Lab File: VN058682.D

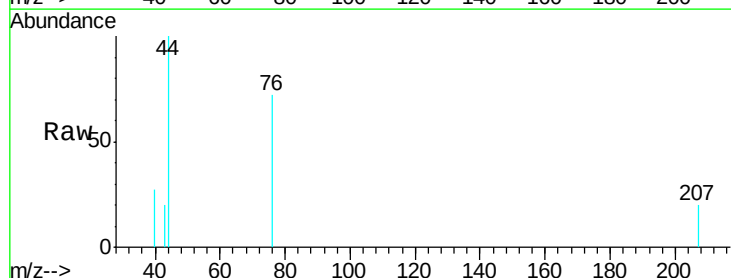
Acq: 10 Oct 2019 22:14

Tgt Ion: 76 Resp: 2403

Ion Ratio Lower Upper

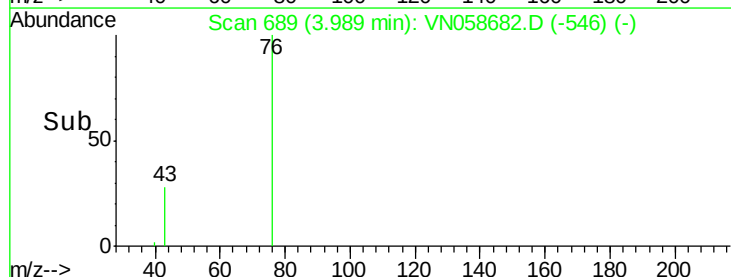
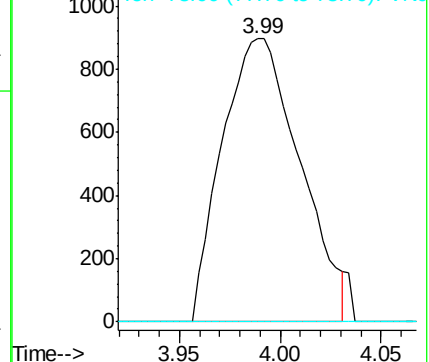
76 100

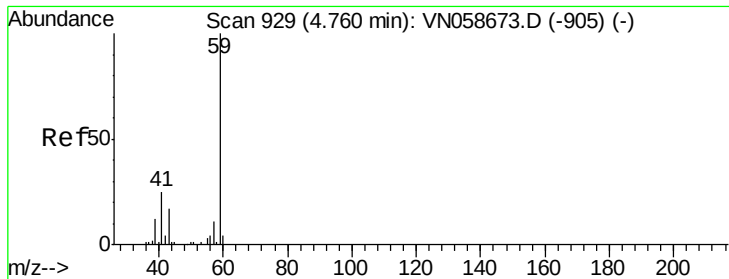
78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



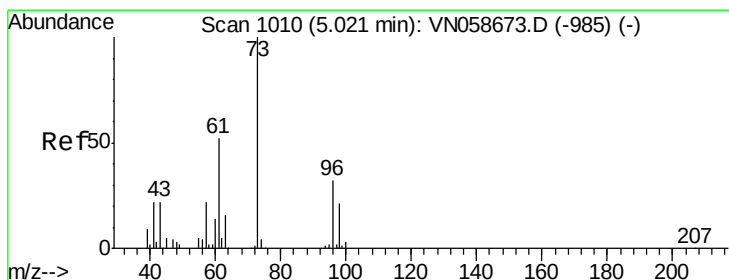
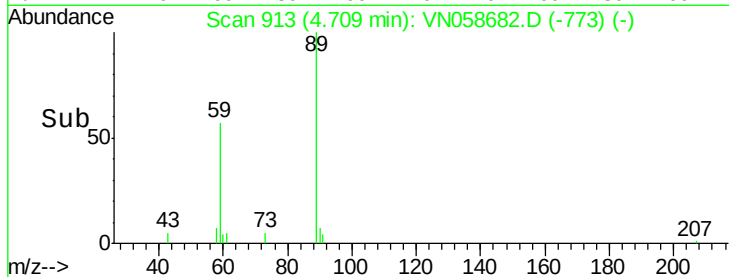
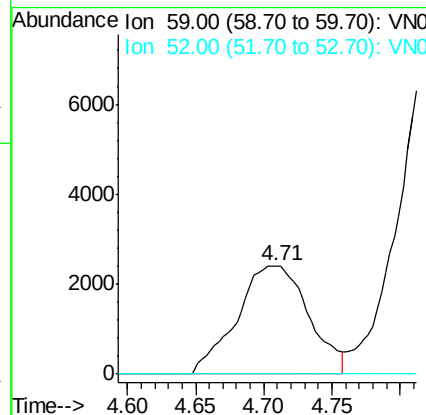
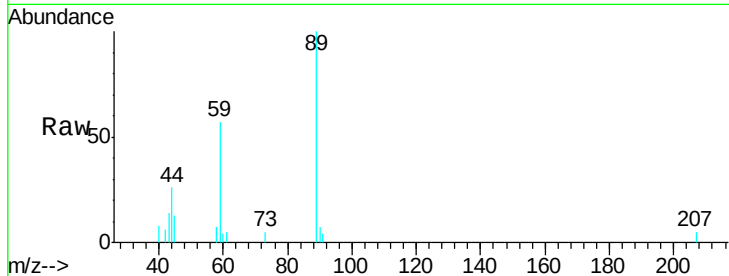


#23

tert-Butyl Alcohol
 Concen: 9.826 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.05 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

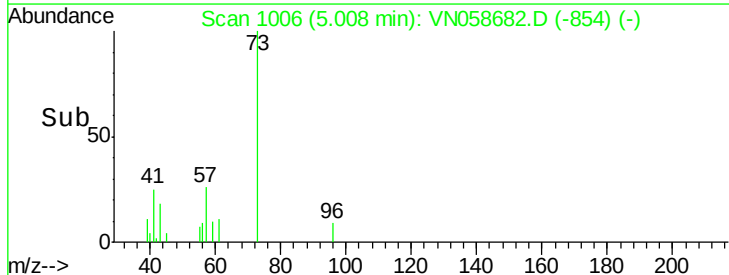
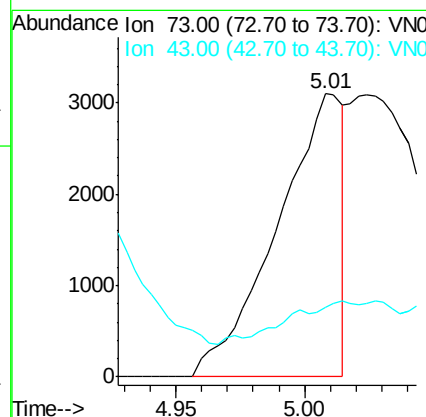
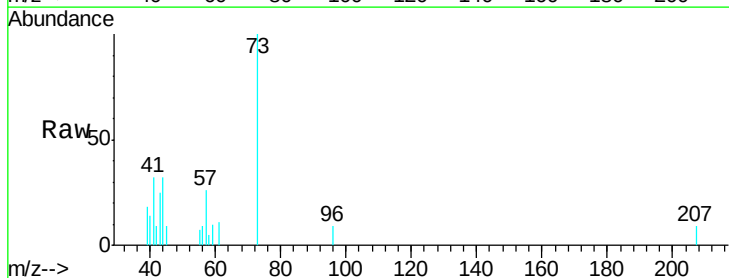
Tgt Ion: 59 Resp: 8788
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

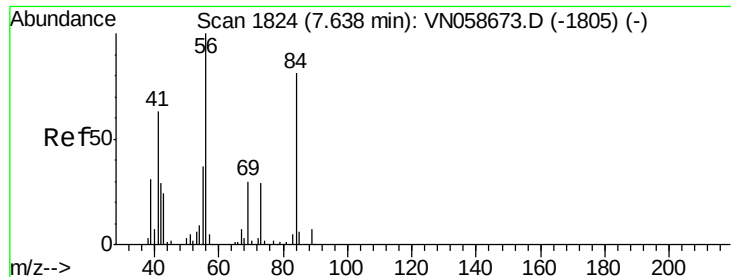


#24

Methyl tert-Butyl Ether
 Concen: 0.423 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Tgt Ion: 73 Resp: 5475
 Ion Ratio Lower Upper
 73 100
 43 4.2 17.9 26.9#

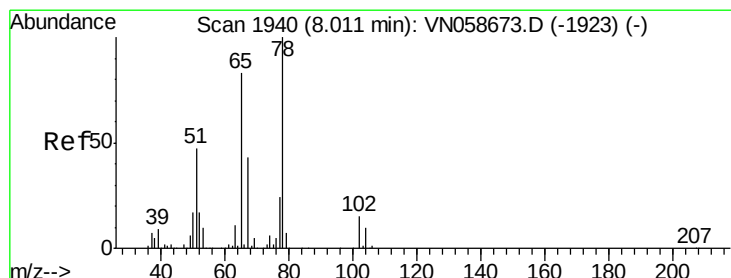
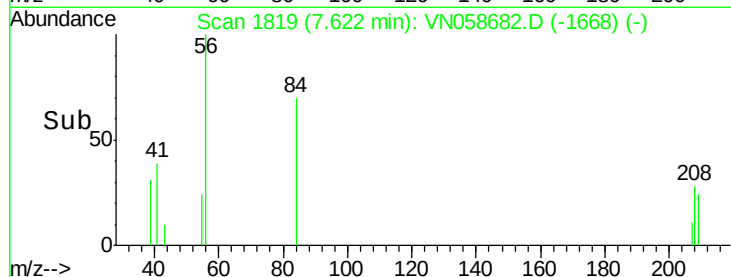
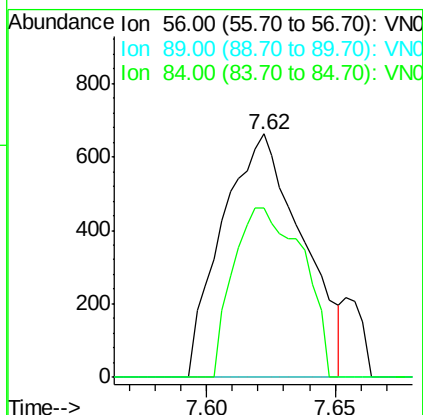
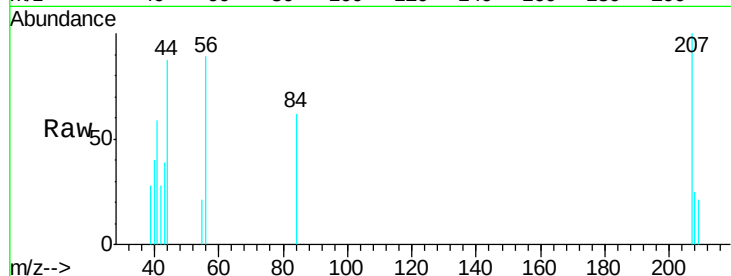




#26
Cyclohexane
Concen: 0.210 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.02 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

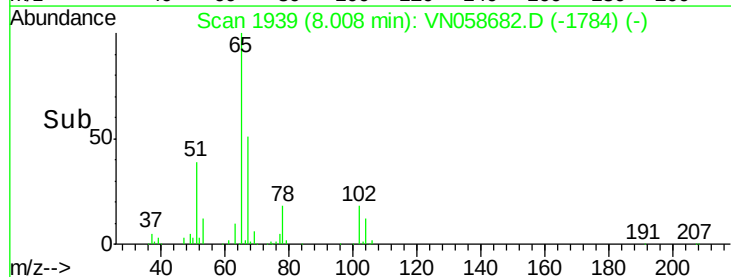
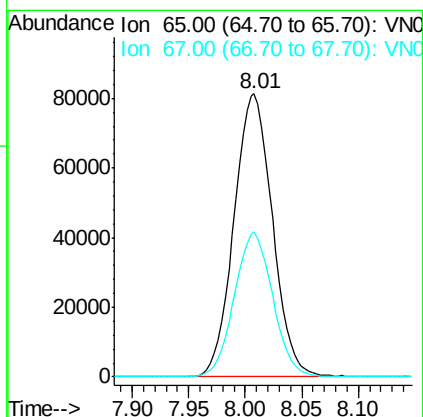
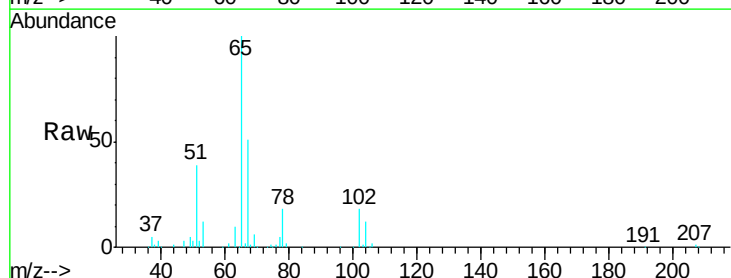
Instrument :
MSVOA_N
ClientSampleId :
391009764.2-VOA

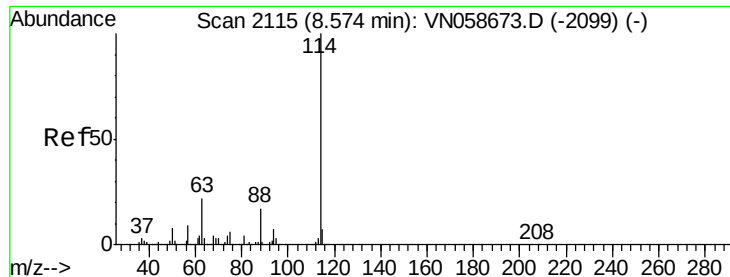
Tgt Ion: 56 Resp: 1436
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 60.4 65.6 98.4#



#27
1,2-Dichloroethane-d4
Concen: 34.212 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

Tgt Ion: 65 Resp: 192482
Ion Ratio Lower Upper
65 100
67 51.0 41.5 62.3

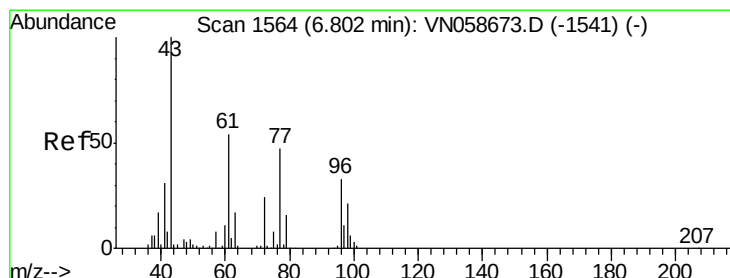
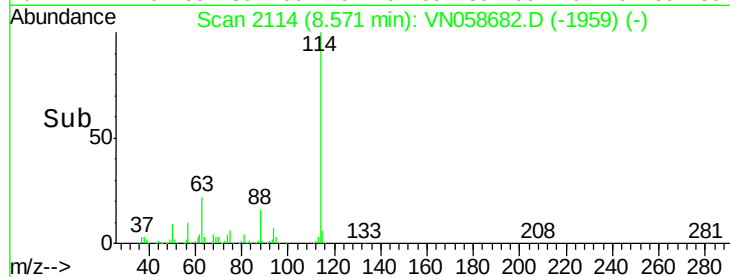
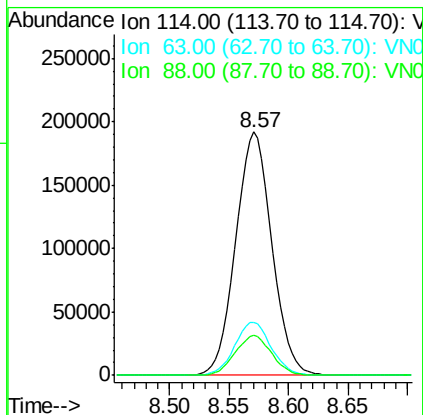
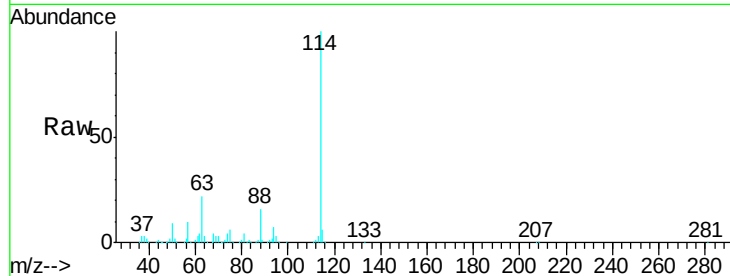




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

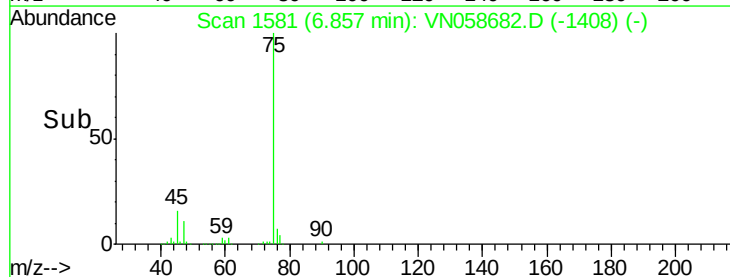
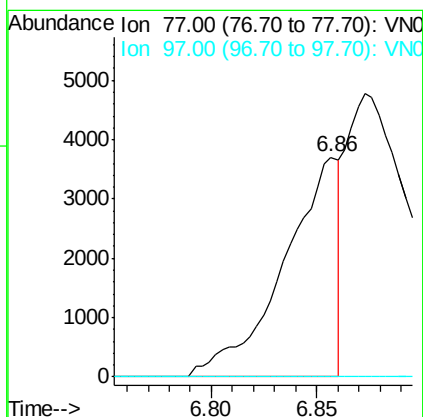
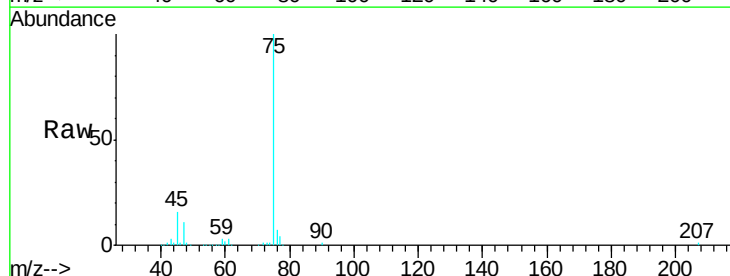
Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

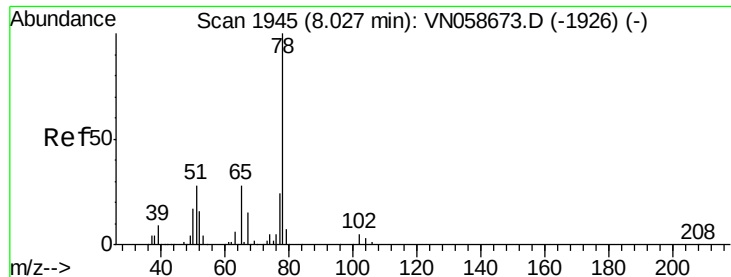
Tgt Ion: 114 Resp: 403581
 Ion Ratio Lower Upper
 114 100
 63 22.1 18.1 27.1
 88 16.5 13.0 19.4



#31
 2,2-Dichloropropane
 Concen: 0.897 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.05 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Tgt Ion: 77 Resp: 6719
 Ion Ratio Lower Upper
 77 100
 97 0.0 17.9 26.9#





#34

Benzene

Concen: 2.385 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

391009764.2-VOA

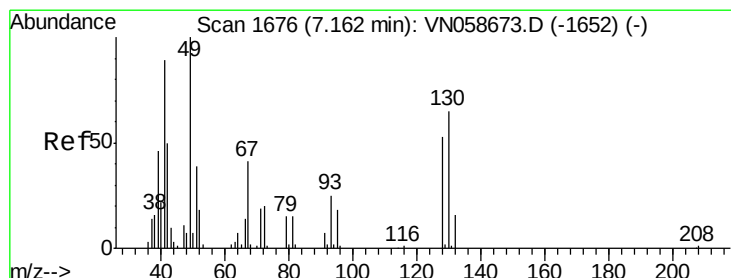
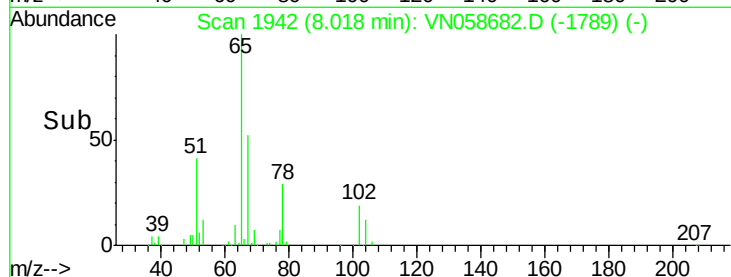
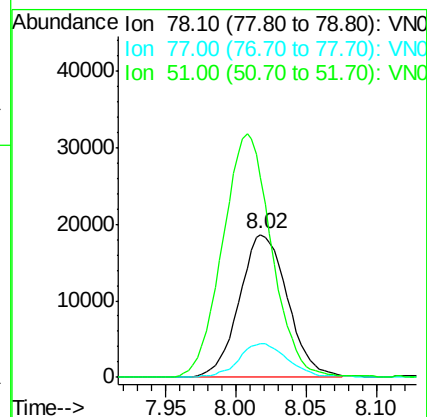
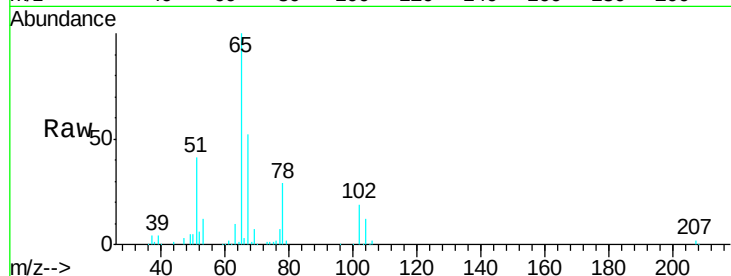
Tgt Ion: 78 Resp: 44614

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

51 139.0 22.1 33.1#



#35

Methacrylonitrile

Concen: 62.497 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.03 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Tgt Ion: 41 Resp: 198205

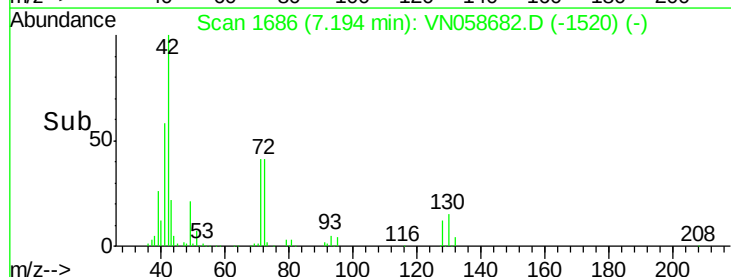
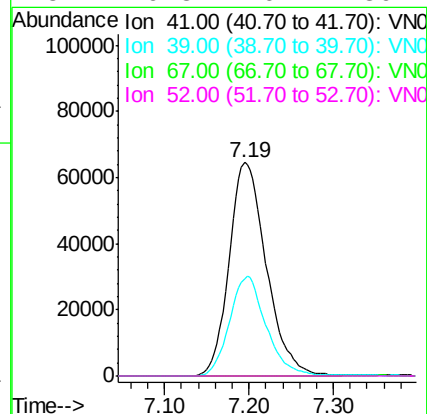
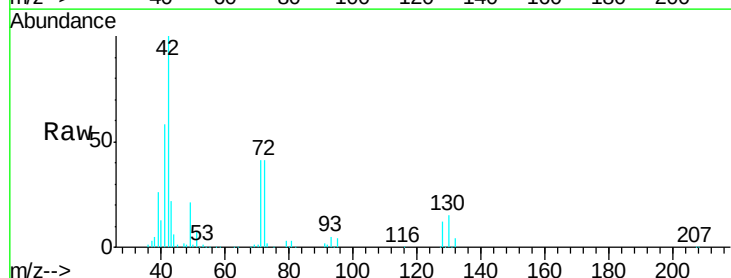
Ion Ratio Lower Upper

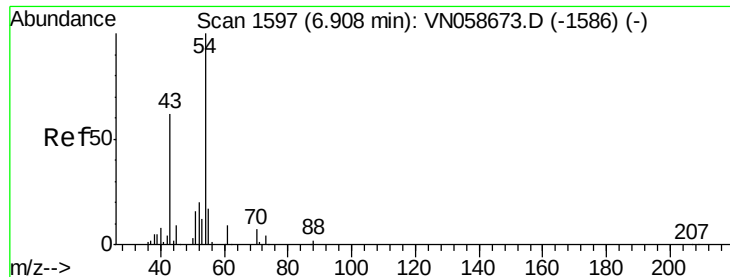
41 100

39 45.8 25.8 77.4

67 0.0 23.0 69.0#

52 0.3 10.1 30.1#





#43

Ethyl Acetate

Concen: 2.343 ug/l

RT: 6.87 min Scan# 1585

Delta R.T. -0.04 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

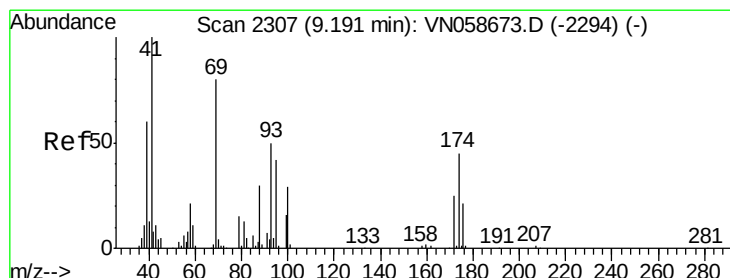
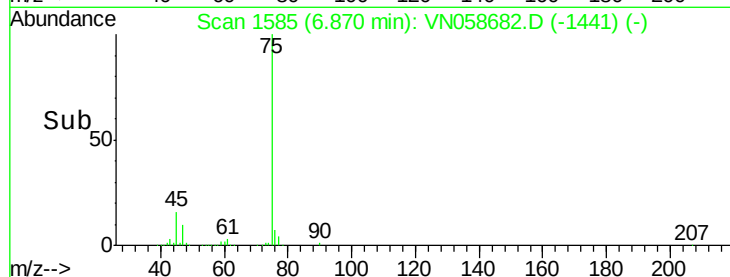
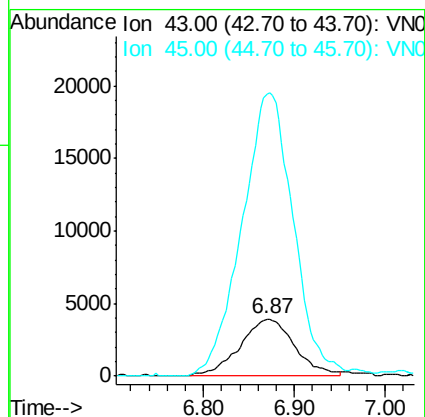
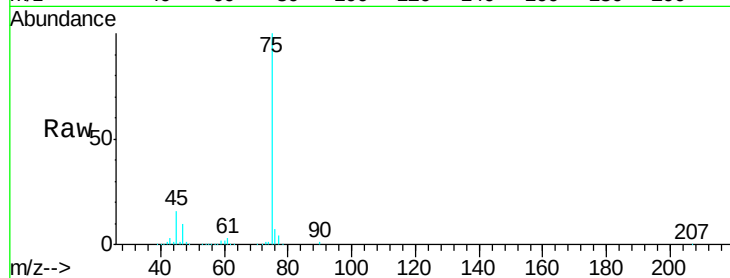
391009764.2-VOA

Tgt Ion: 43 Resp: 16510

Ion Ratio Lower Upper

43 100

45 463.4 9.7 14.5#



#45

1,4-Dioxane

Concen: 92.409 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

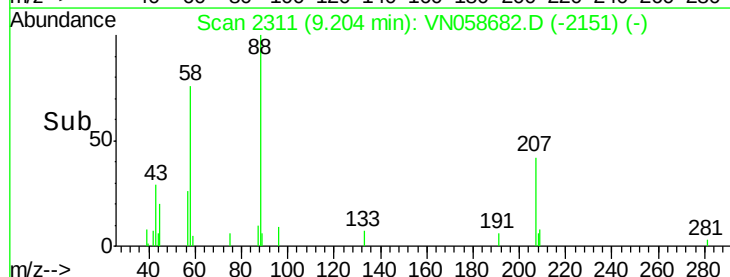
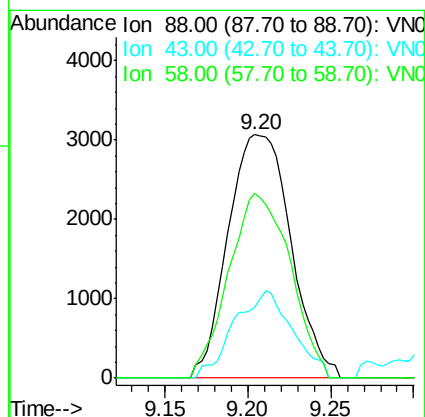
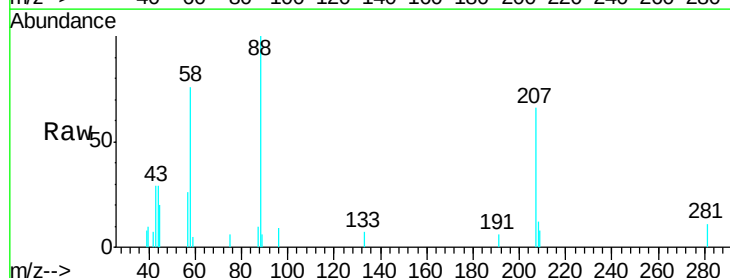
Tgt Ion: 88 Resp: 8099

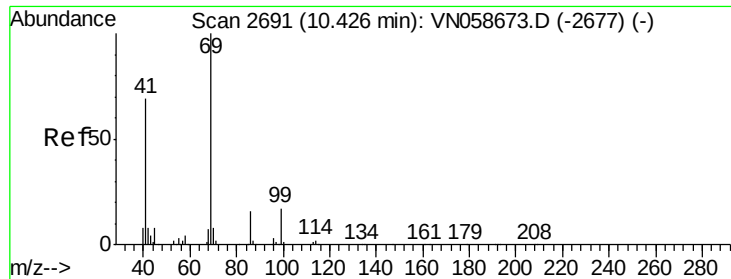
Ion Ratio Lower Upper

88 100

43 19.4 29.8 44.8#

58 74.2 58.2 87.4





#51

Ethyl methacrylate

Concen: 0.219 ug/l

RT: 10.86 min Scan# 2826

Delta R.T. 0.43 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

391009764.2-VOA

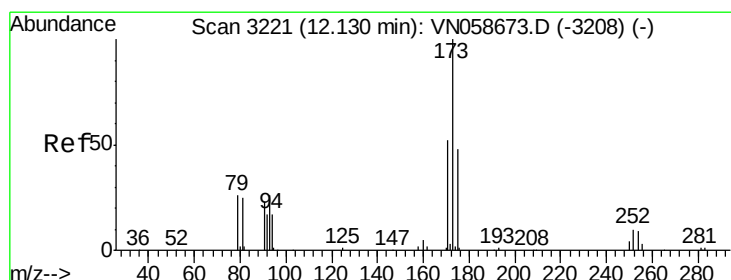
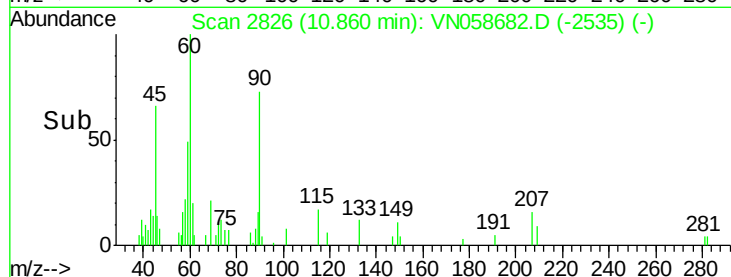
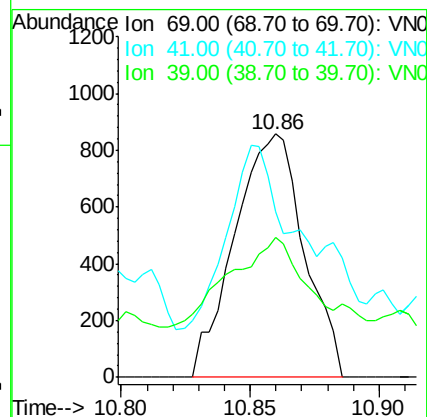
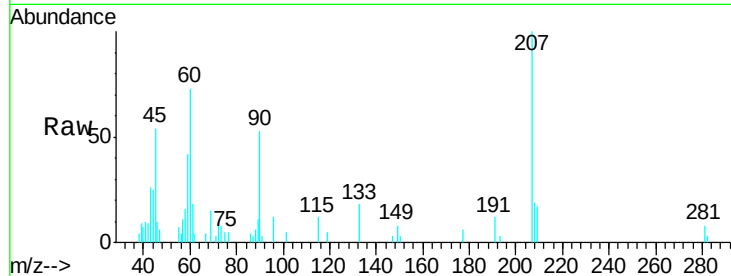
Tgt Ion: 69 Resp: 1611

Ion Ratio Lower Upper

69 100

41 44.5 34.7 104.1

39 31.7 20.3 60.8



#56

Bromoform

Concen: 0.266 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

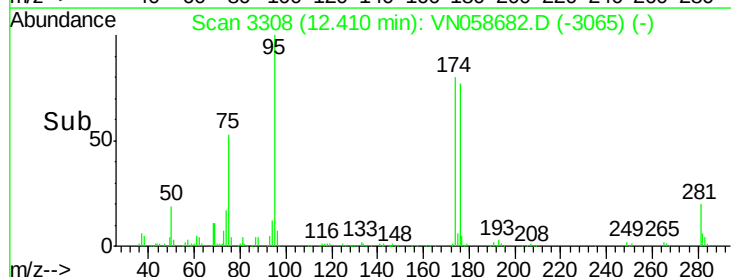
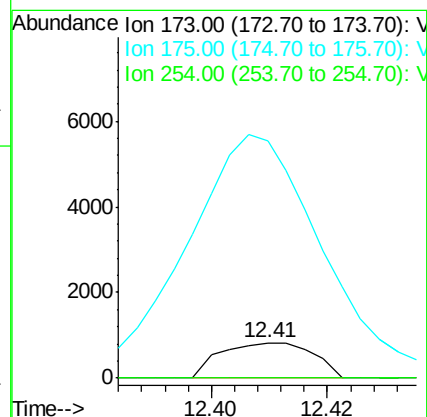
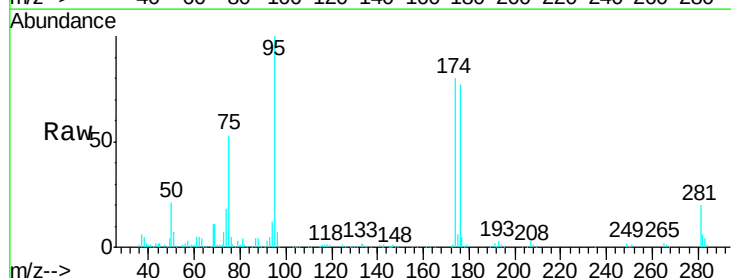
Tgt Ion: 173 Resp: 915

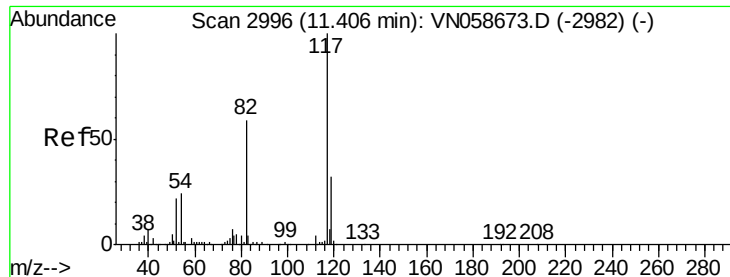
Ion Ratio Lower Upper

173 100

175 1026.0 38.7 58.1#

254 0.0 7.4 11.2#

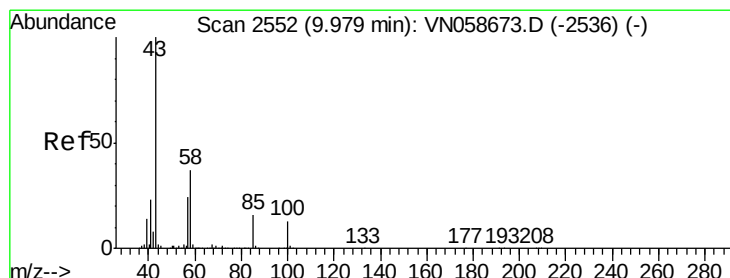
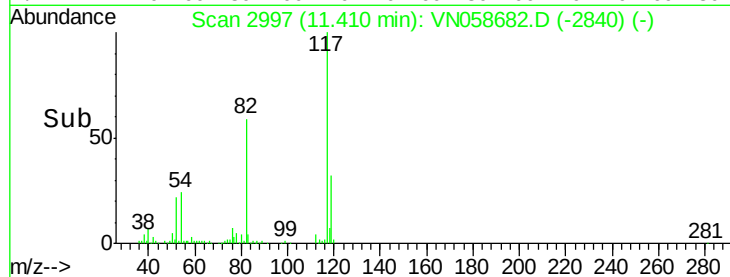
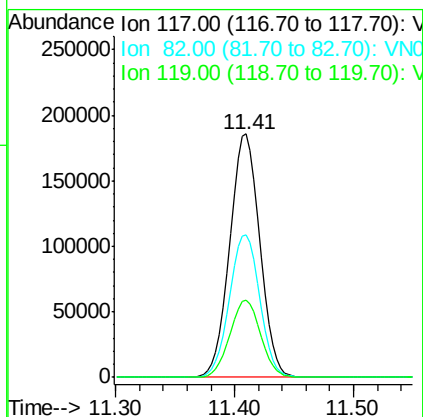
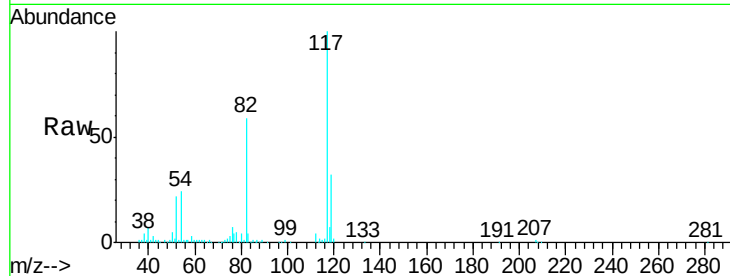




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

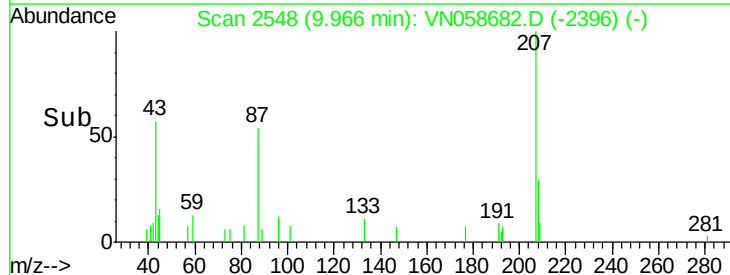
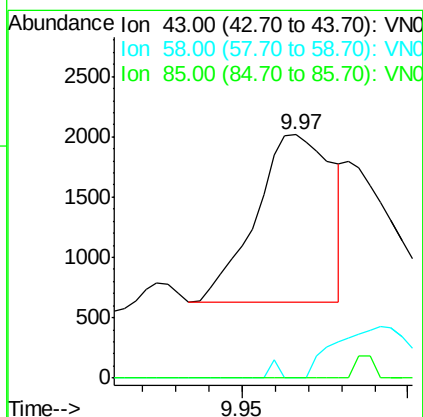
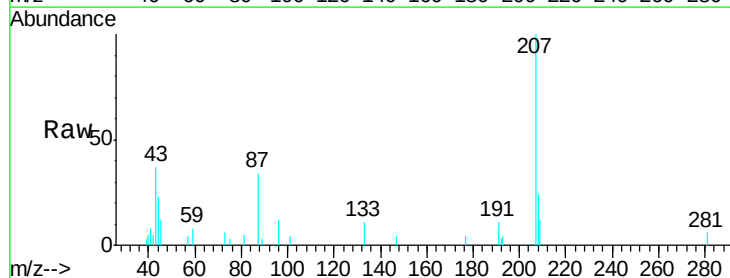
Instrument :
MSVOA_N
ClientSampleId :
391009764.2-VOA

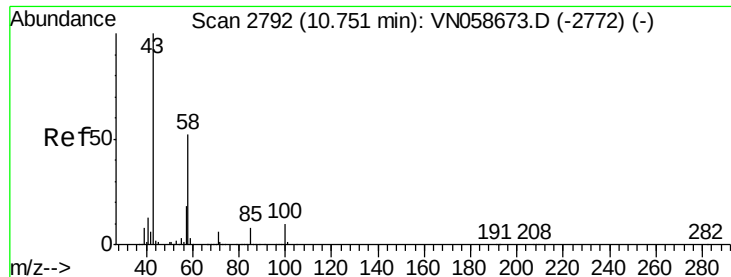
Tgt Ion: 117 Resp: 324980
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.377 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.01 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
58 29.7 30.1 45.1#
85 3.2 13.2 19.8#

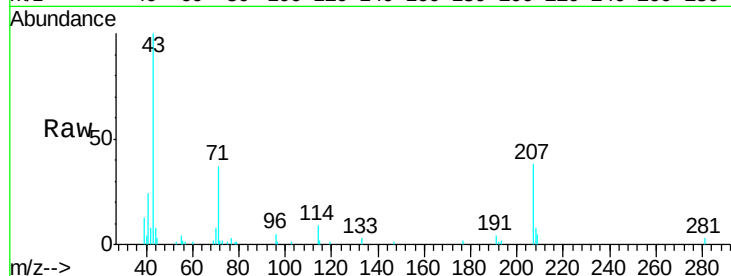




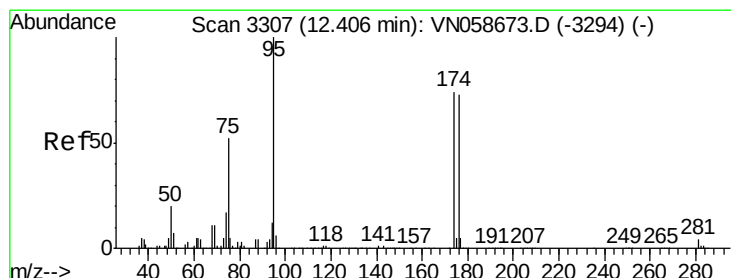
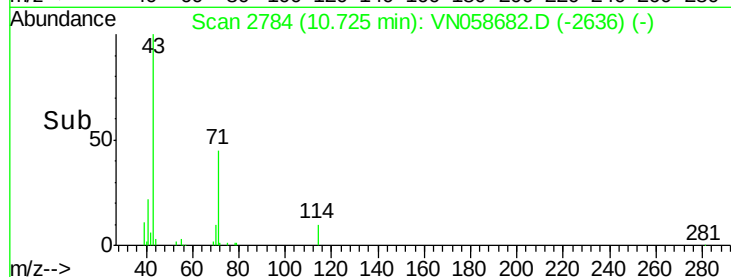
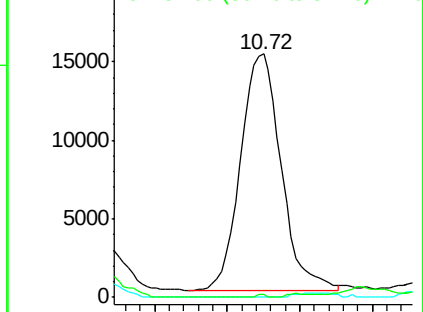
#59
2-Hexanone
Concen: 6.346 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.03 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

Instrument :
MSVOA_N
ClientSampleId :
391009764.2-VOA

Tgt Ion: 43 Resp: 29495
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
57 0.2 14.7 22.1#

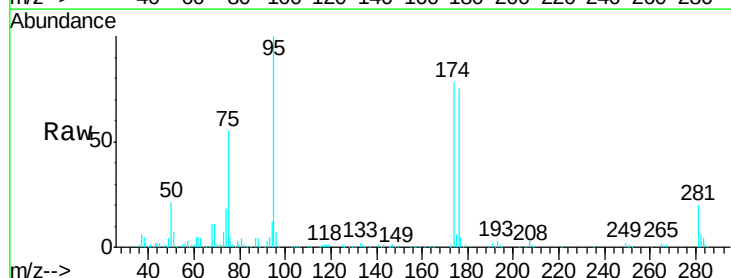


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

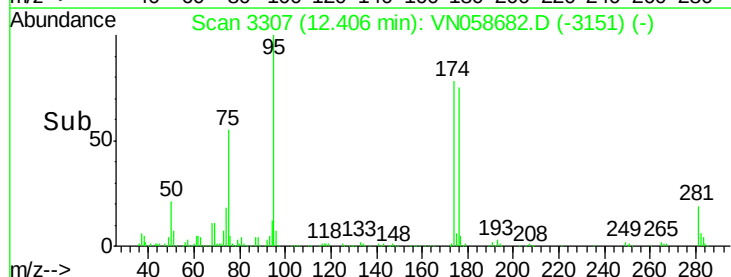
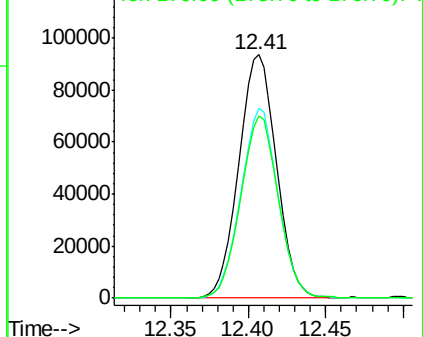


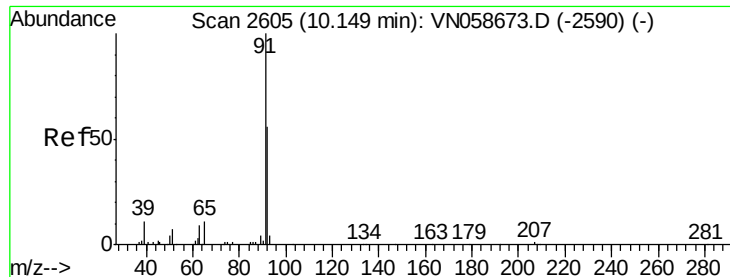
#60
4-Bromofluorobenzene
Concen: 27.764 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058682.D
Acq: 10 Oct 2019 22:14

Tgt Ion: 95 Resp: 157834
Ion Ratio Lower Upper
95 100
174 77.3 59.9 89.9
176 75.3 58.3 87.5



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





#62

Toluene

Concen: 0.958 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

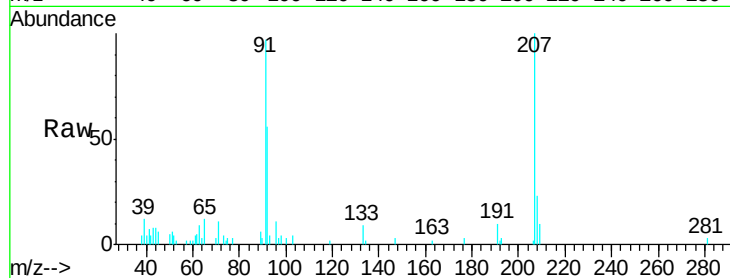
391009764.2-VOA

Tgt Ion: 91 Resp: 16738

Ion Ratio Lower Upper

91 100

92 58.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10000

8000

6000

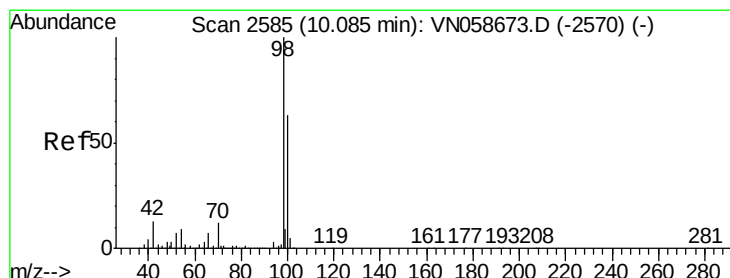
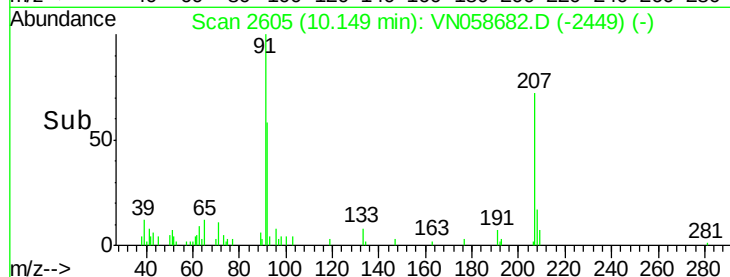
4000

2000

0

10.10 10.15 10.20

Time-->



#63

Toluene-d8

Concen: 31.229 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058682.D

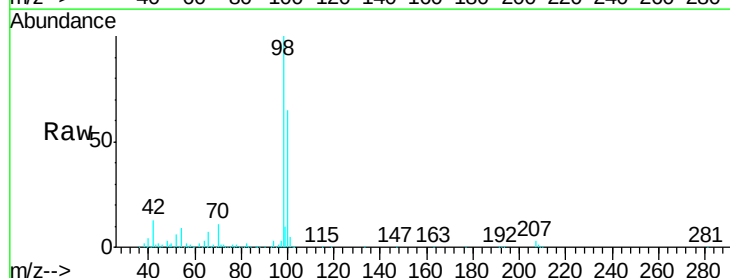
Acq: 10 Oct 2019 22:14

Tgt Ion: 98 Resp: 479191

Ion Ratio Lower Upper

98 100

100 64.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

300000

250000

200000

150000

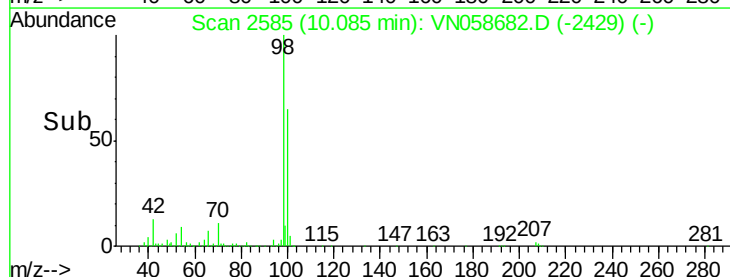
100000

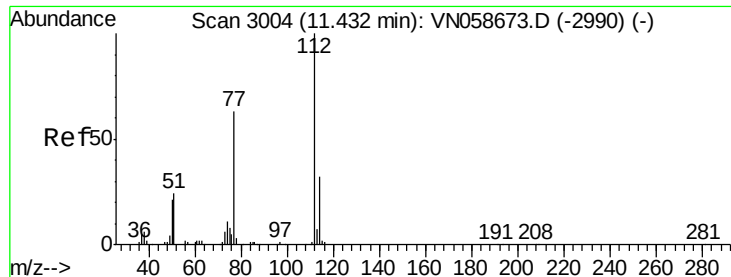
50000

0

10.00 10.05 10.10 10.15

Time-->





#64

Chlorobenzene

Concen: 13.655 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

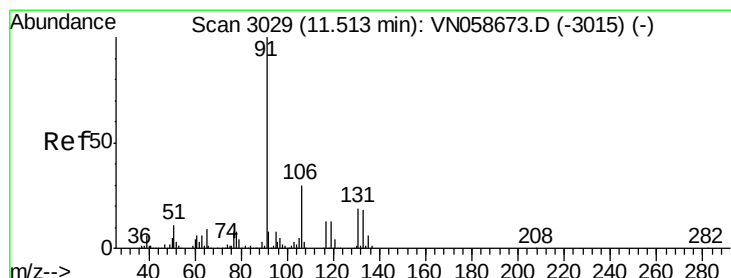
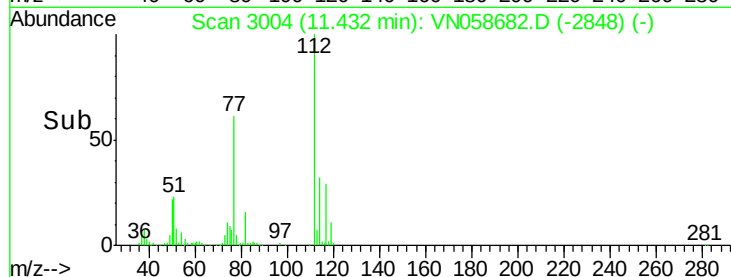
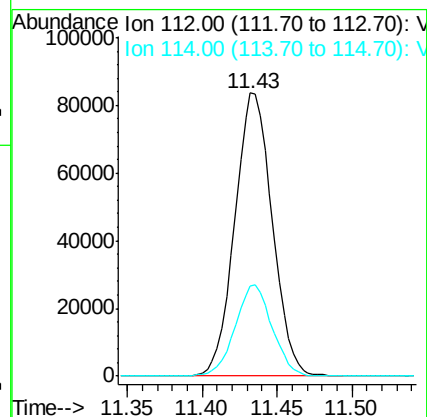
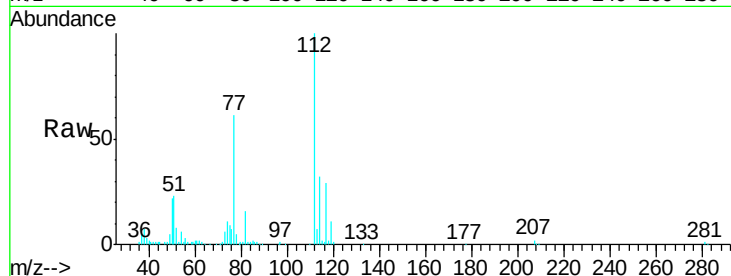
391009764.2-VOA

Tgt Ion:112 Resp: 145936

Ion Ratio Lower Upper

112 100

114 31.7 25.7 38.5



#66

Ethyl Benzene

Concen: 2.258 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058682.D

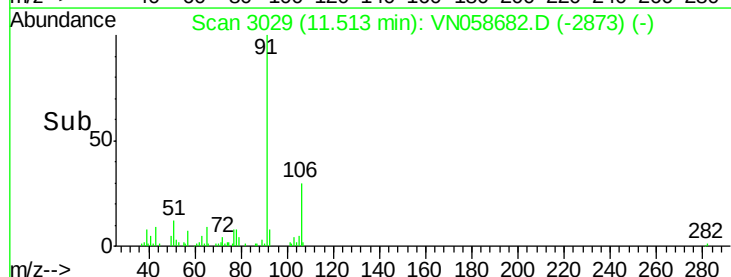
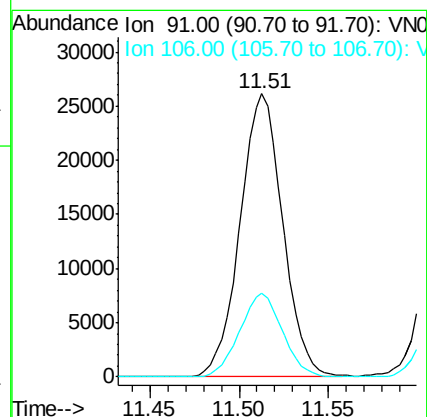
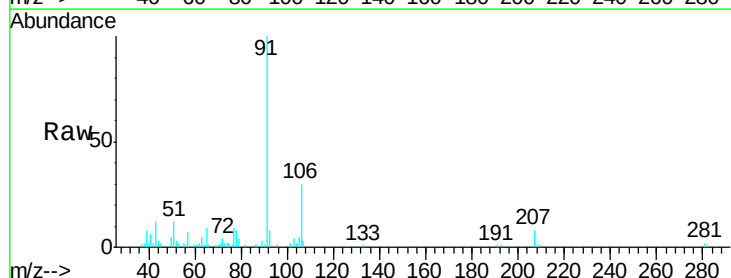
Acq: 10 Oct 2019 22:14

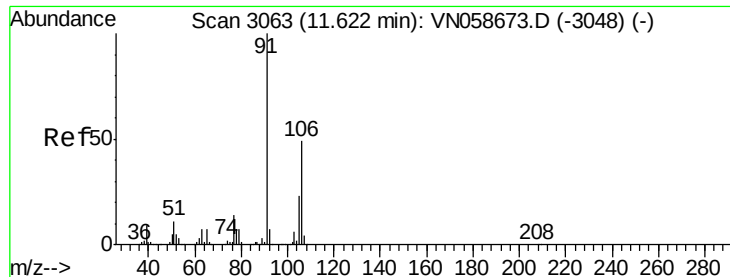
Tgt Ion: 91 Resp: 43712

Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.4





#67

m/p-Xylenes

Concen: 4.130 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

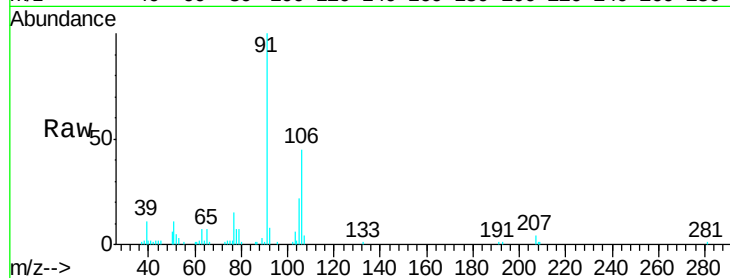
391009764.2-VOA

Tgt Ion:106 Resp: 29867

Ion Ratio Lower Upper

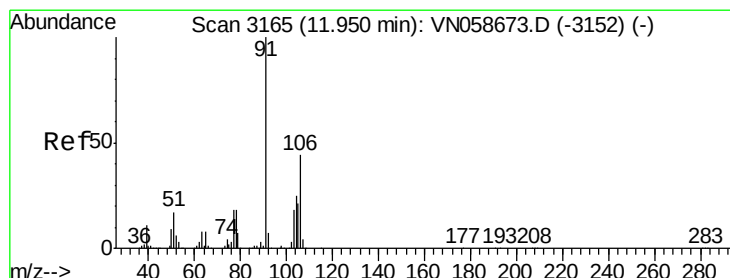
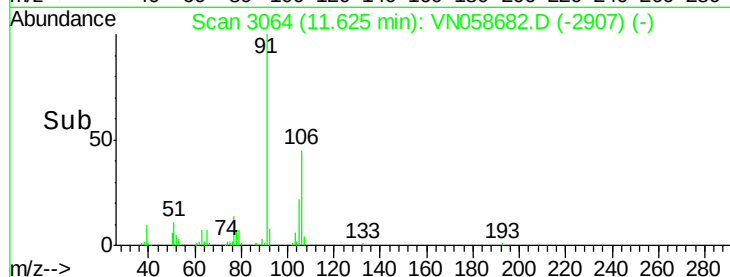
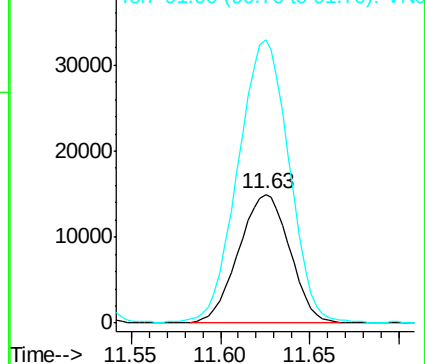
106 100

91 221.2 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.806 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058682.D

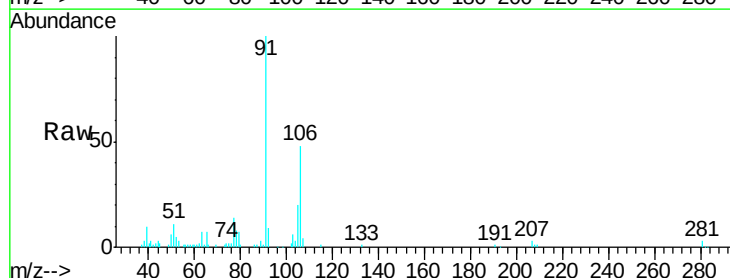
Acq: 10 Oct 2019 22:14

Tgt Ion:106 Resp: 33693

Ion Ratio Lower Upper

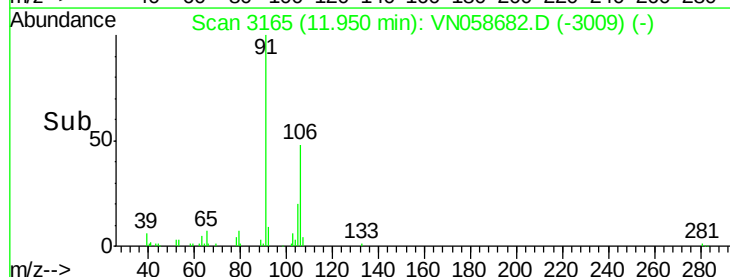
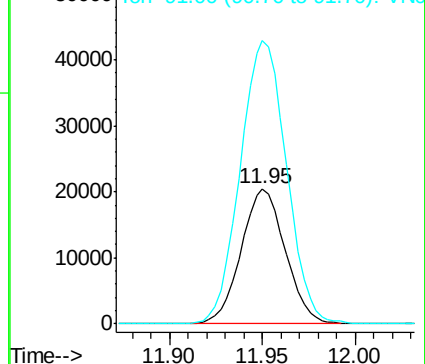
106 100

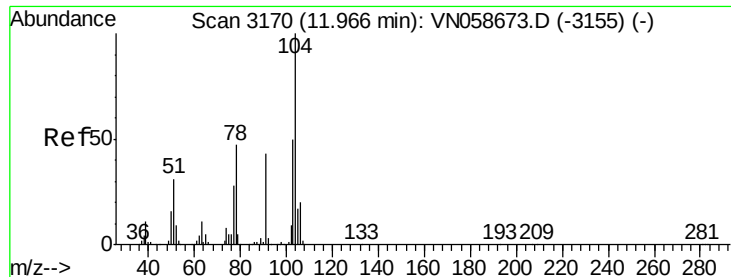
91 219.6 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 0.315 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

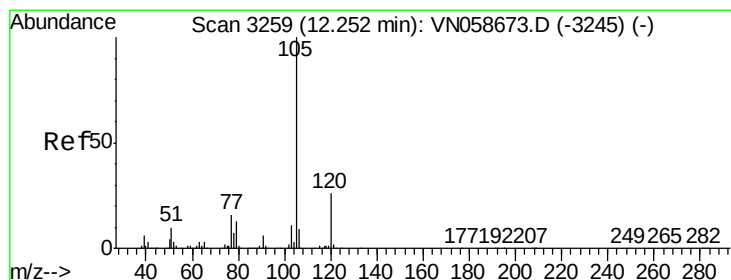
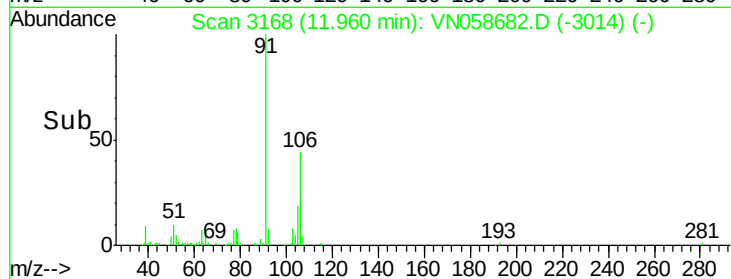
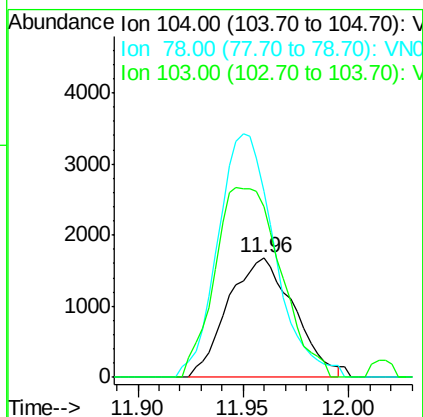
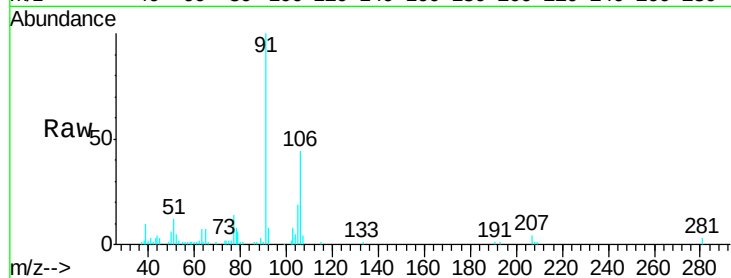
Instrument :

MSVOA_N

ClientSampleId :

391009764.2-VOA

Tgt Ion:	104	Resp:	3651
Ion	Ratio	Lower	Upper
104	100		
78	175.8	42.4	63.6#
103	157.8	44.6	66.8#



#70

Isopropylbenzene

Concen: 1.664 ug/l

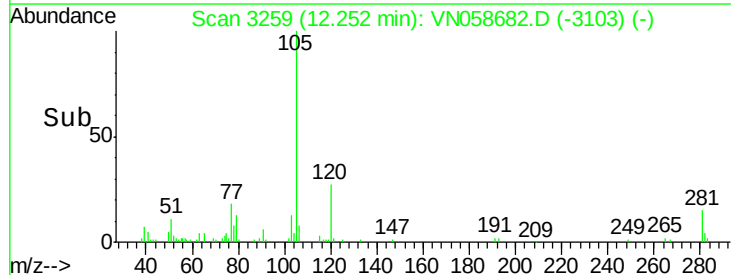
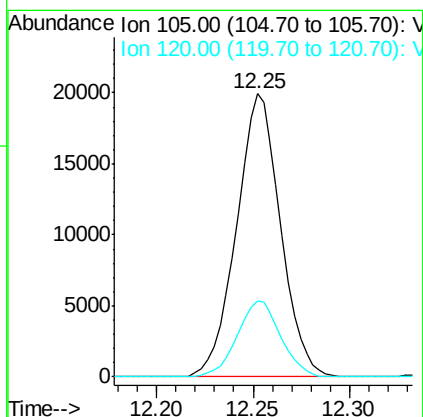
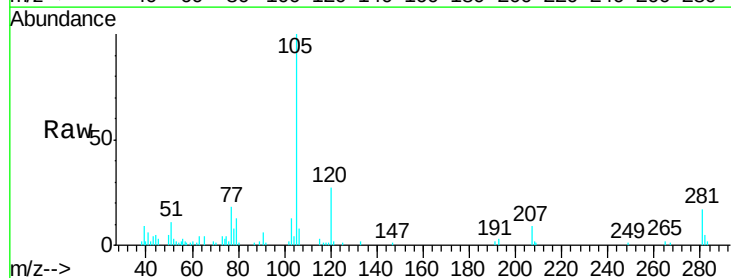
RT: 12.25 min Scan# 3259

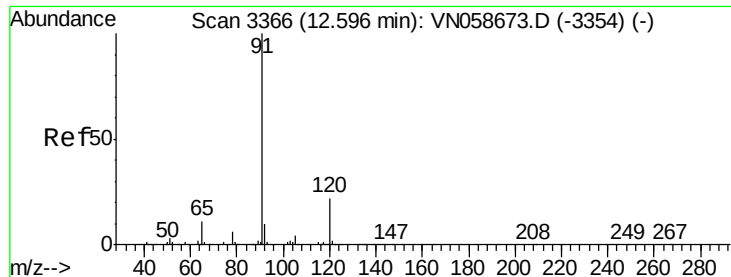
Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Tgt Ion:	105	Resp:	31499
Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.4	34.2





#74

n-propylbenzene

Concen: 0.882 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

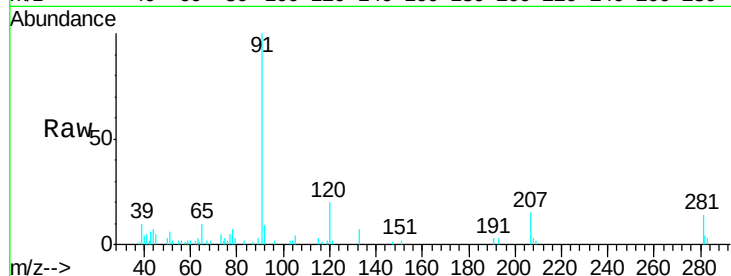
391009764.2-VOA

Tgt Ion: 91 Resp: 19534

Ion Ratio Lower Upper

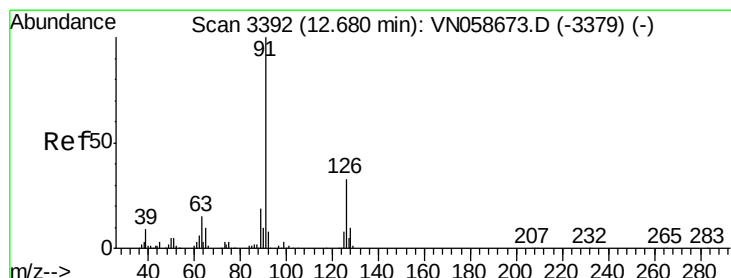
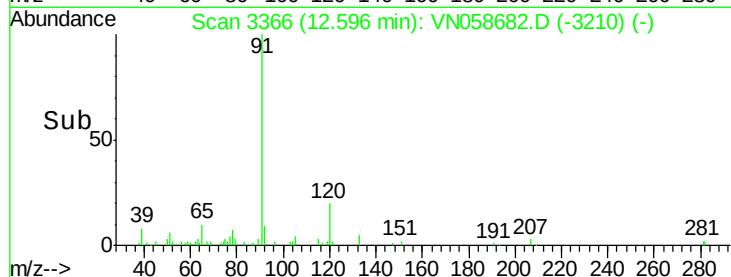
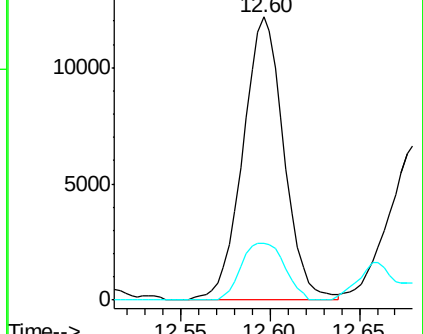
91 100

120 21.3 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.864 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058682.D

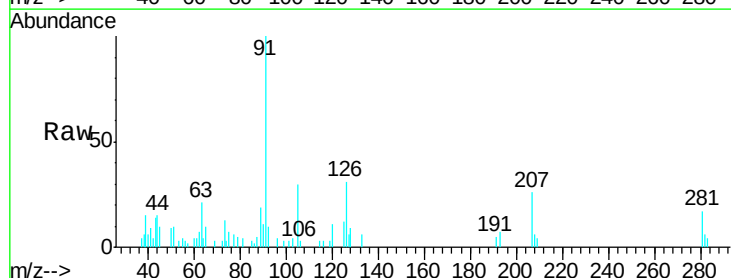
Acq: 10 Oct 2019 22:14

Tgt Ion: 91 Resp: 11515

Ion Ratio Lower Upper

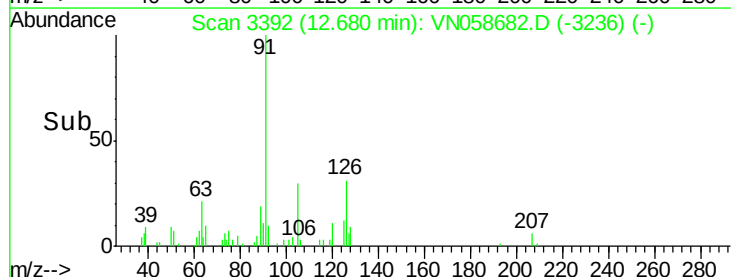
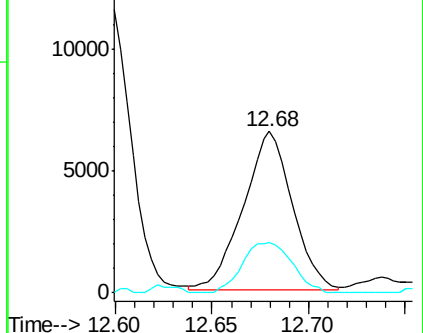
91 100

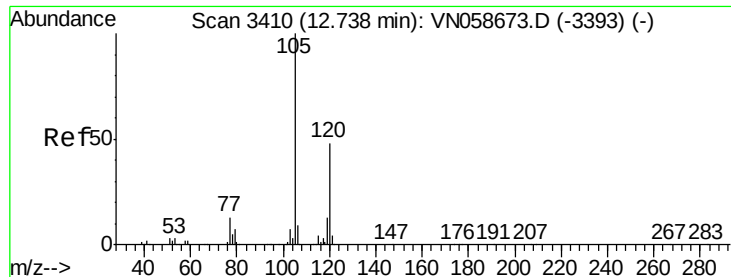
126 32.1 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.430 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

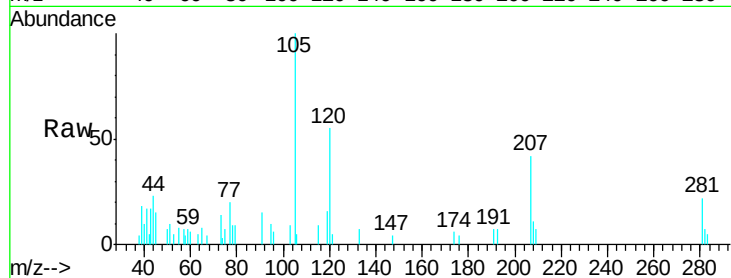
391009764.2-VOA

Tgt Ion:105 Resp: 6963

Ion Ratio Lower Upper

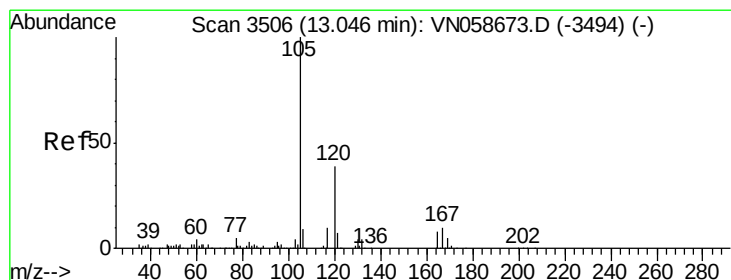
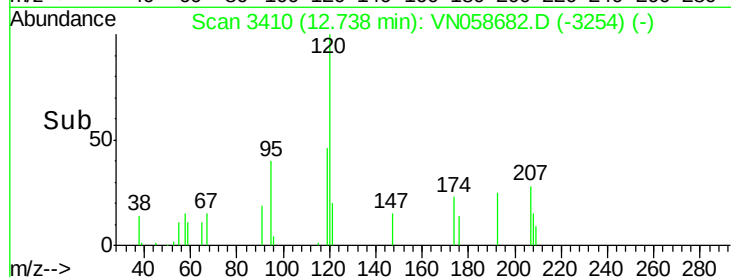
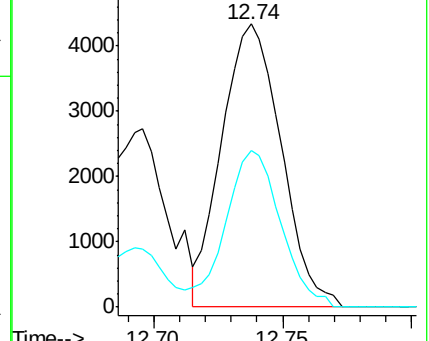
105 100

120 51.4 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,2,4-Trimethylbenzene

Concen: 2.242 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058682.D

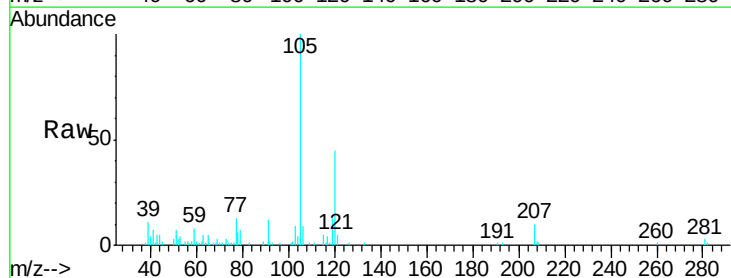
Acq: 10 Oct 2019 22:14

Tgt Ion:105 Resp: 36109

Ion Ratio Lower Upper

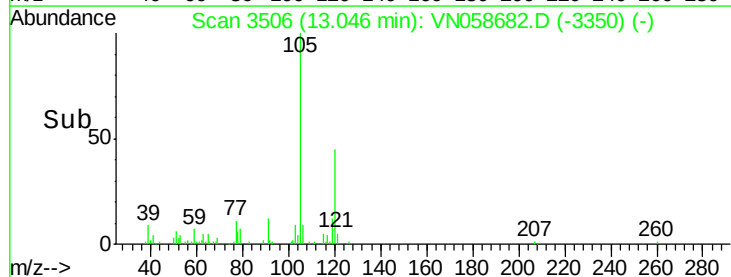
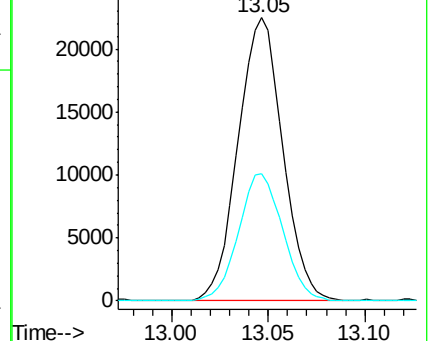
105 100

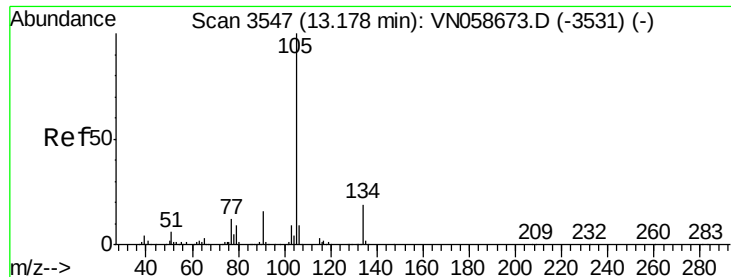
120 44.4 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

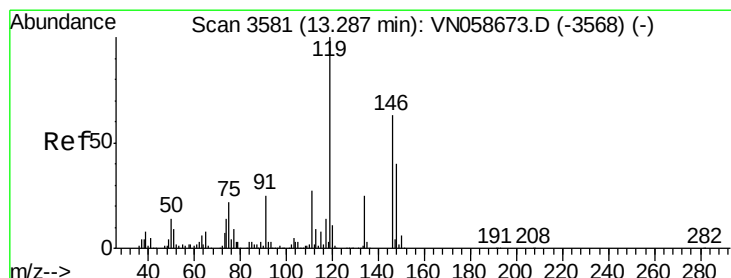
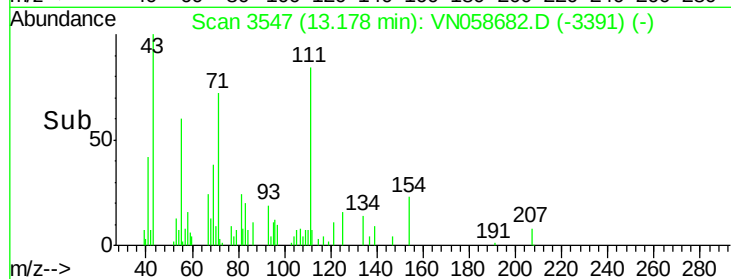
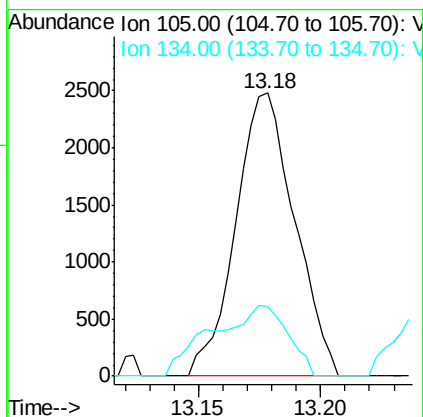
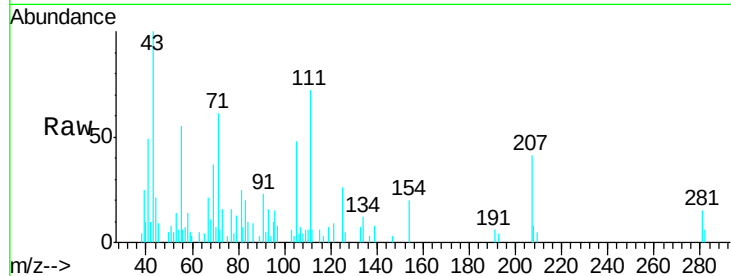




#81
 sec-Butylbenzene
 Concen: 0.223 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

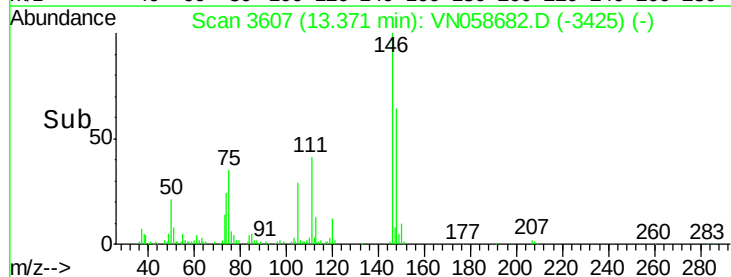
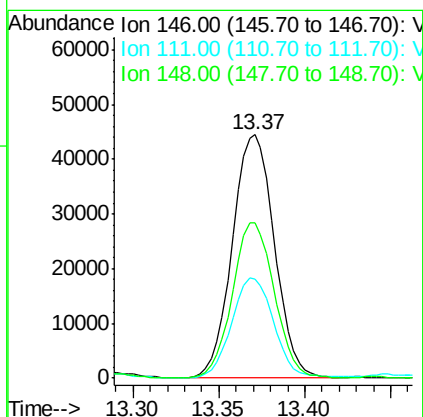
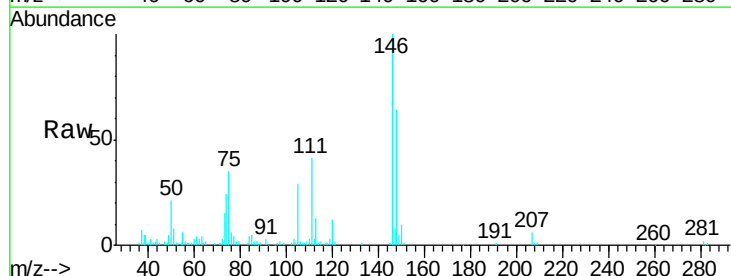
Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

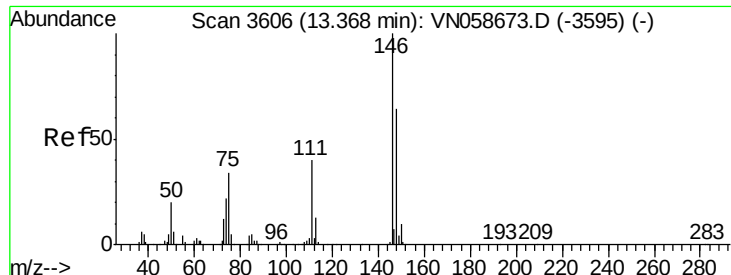
Tgt Ion:105 Resp: 4153
 Ion Ratio Lower Upper
 105 100
 134 18.3 0.0 38.0



#83
 1,3-Dichlorobenzene
 Concen: 9.135 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.08 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Tgt Ion:146 Resp: 75995
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.0 63.0
 148 63.6 31.7 95.1





#84

1,4-Dichlorobenzene

Concen: 9.146 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

391009764.2-VOA

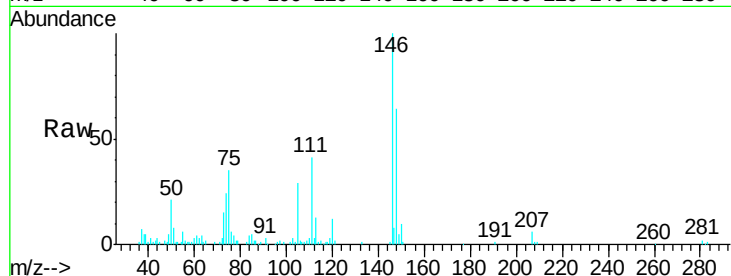
Tgt Ion:146 Resp: 75995

Ion Ratio Lower Upper

146 100

111 40.2 19.8 59.4

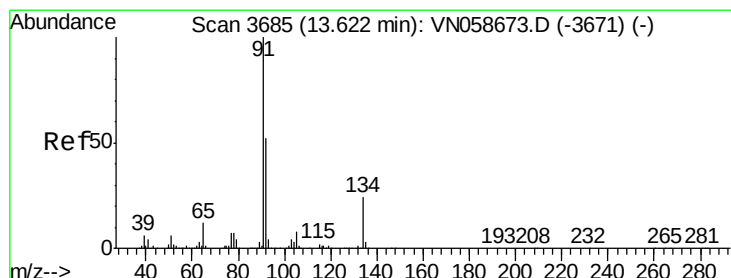
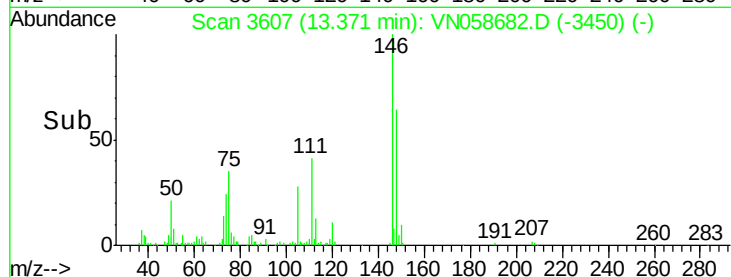
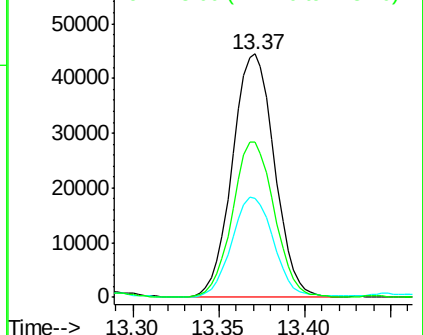
148 63.6 31.6 94.8



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



#85

n-Butylbenzene

Concen: 0.264 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

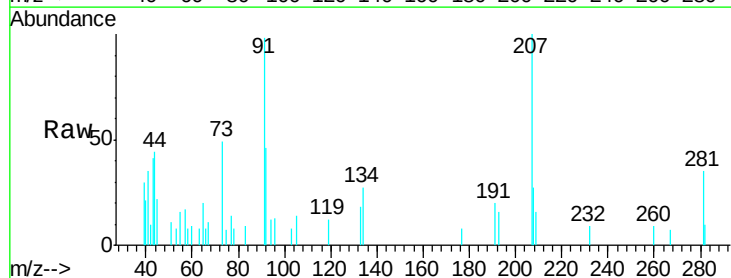
Tgt Ion: 91 Resp: 4047

Ion Ratio Lower Upper

91 100

92 40.9 0.0 102.8

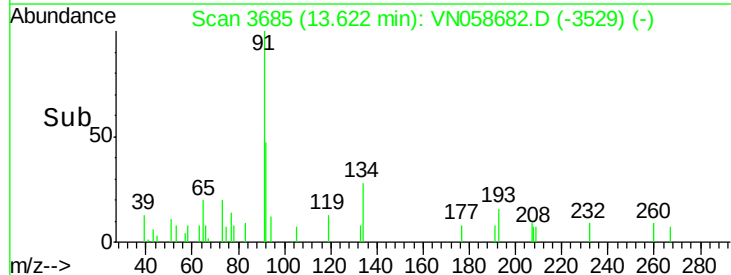
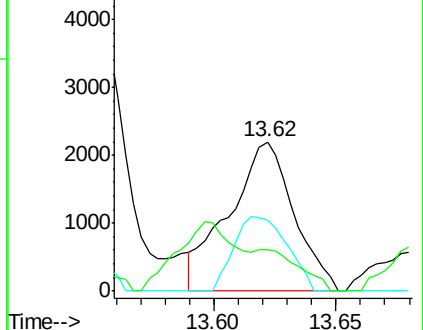
134 42.8 0.0 48.6

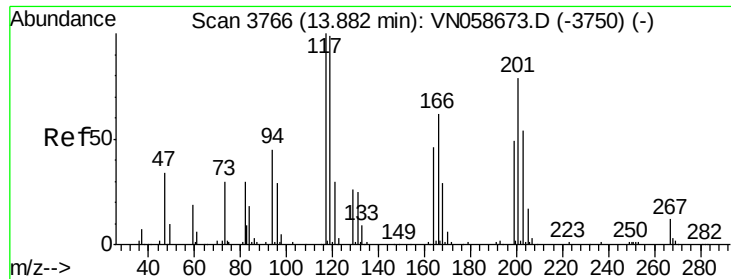


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 0.537 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

Instrument :

MSVOA_N

ClientSampleId :

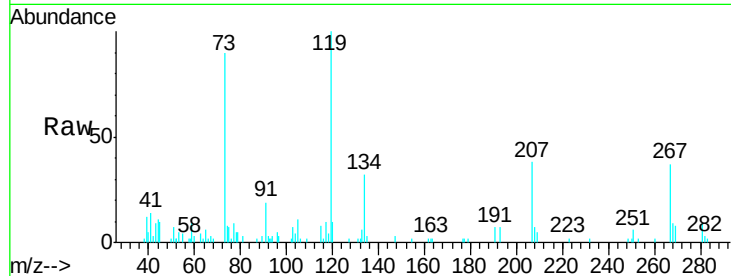
391009764.2-VOA

Tgt Ion:117 Resp: 1636

Ion Ratio Lower Upper

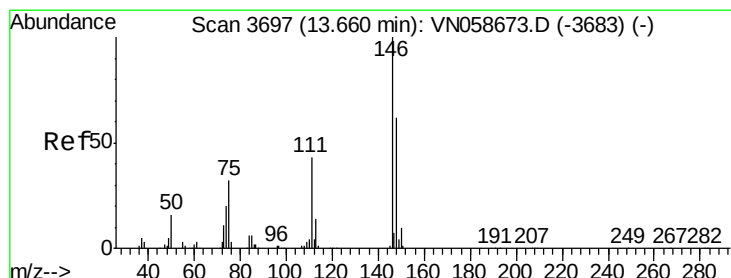
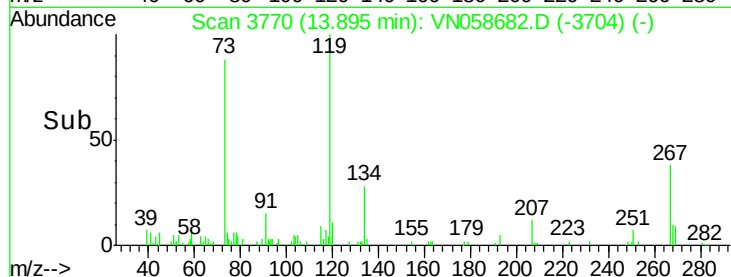
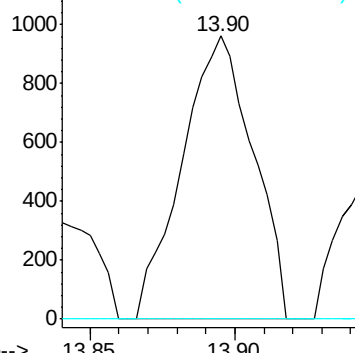
117 100

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: 0.813 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058682.D

Acq: 10 Oct 2019 22:14

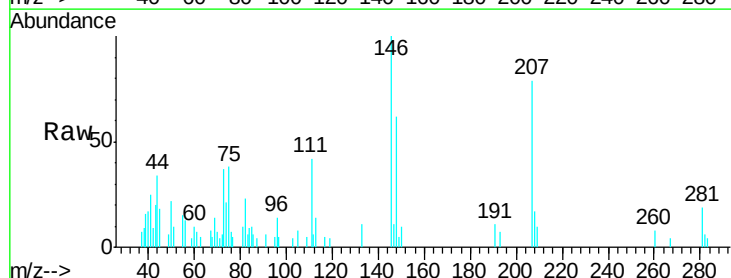
Tgt Ion:146 Resp: 6681

Ion Ratio Lower Upper

146 100

111 40.5 21.8 65.4

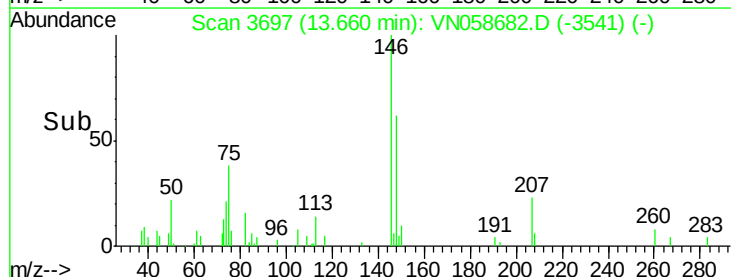
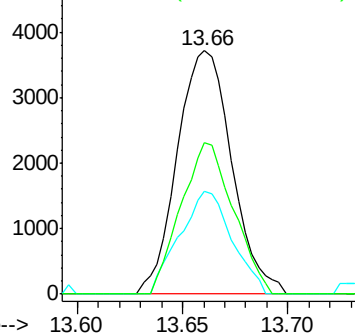
148 59.8 32.1 96.5

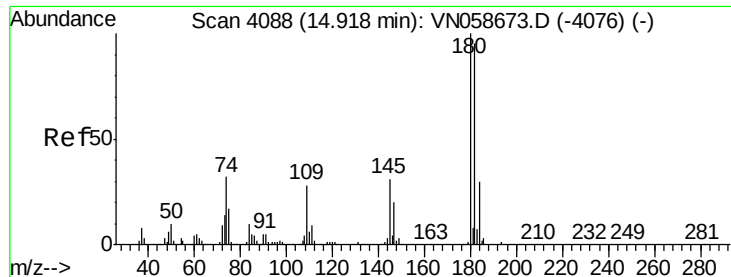


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

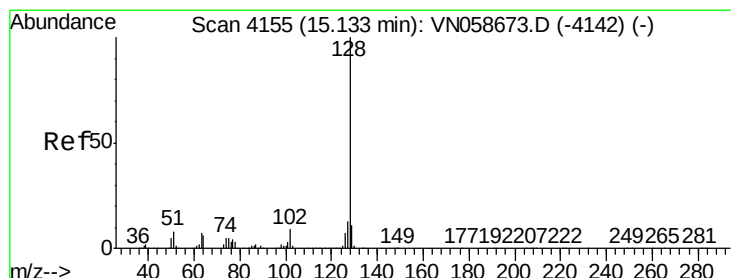
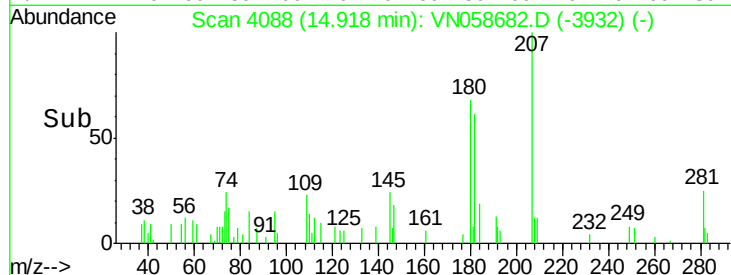
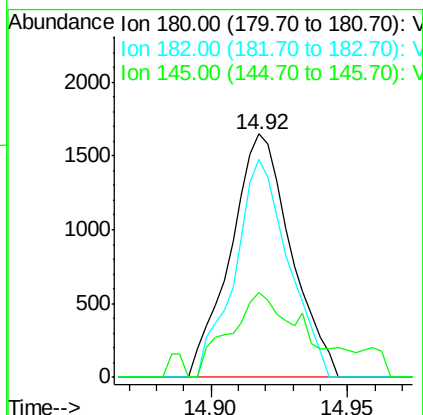
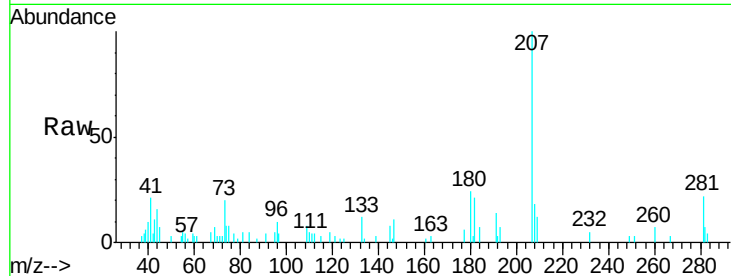




#89
 1,2,4-Trichlorobenzene
 Concen: 0.488 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

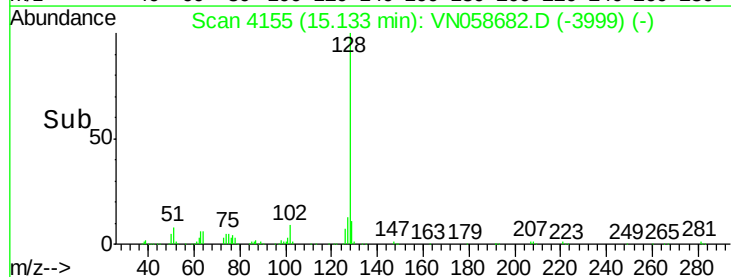
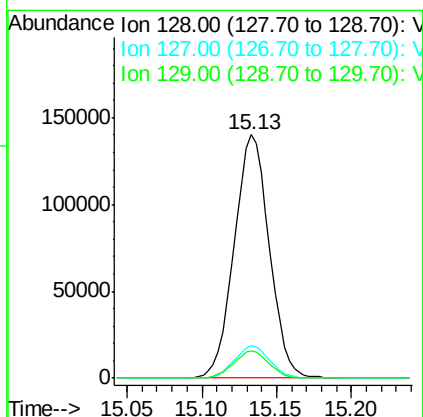
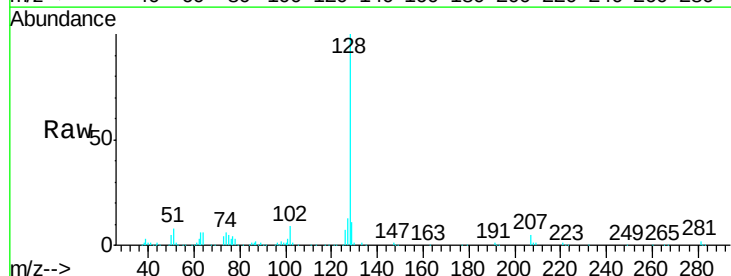
Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

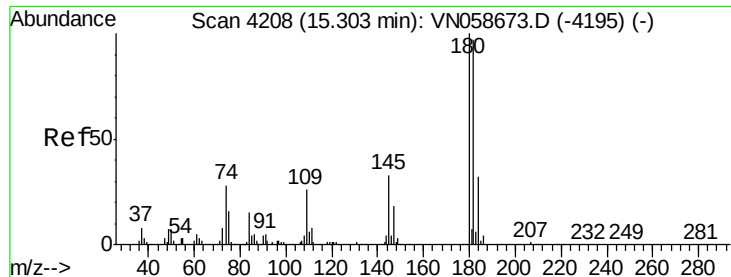
Tgt Ion:180 Resp: 2529
 Ion Ratio Lower Upper
 180 100
 182 79.2 75.3 112.9
 145 32.0 24.8 37.2



#91
 Naphthalene
 Concen: 14.949 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Tgt Ion:128 Resp: 228885
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.2 15.2
 129 11.2 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.541 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058682.D
 Acq: 10 Oct 2019 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 391009764.2-VOA

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.9	0.0	193.4
145	19.5	0.0	65.8

