

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054292.D
 Acq On : 15 Mar 2019 5:55
 Operator : JC/SP
 Sample : K1902-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 51064

Quant Time: Mar 15 07:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1327436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2208189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2302038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	711463	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	684573	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	10.09	98	2732969	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	1037432	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	64	1.500	ug/l #	1
11) Tert butyl alcohol	4.82	59	6160	6.374	ug/l #	93
13) Acrolein	3.60	56	254	0.277	ug/l #	81
16) Acetone	3.82	43	91938	22.777	ug/l	94
18) Methyl Acetate	4.33	43	5921	0.725	ug/l	95
25) 2-Butanone	6.86	43	28817	6.083	ug/l	96
31) Cyclohexane	7.66	56	20653	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	76478	3.761	ug/l #	48
37) Ethyl Acetate	6.86	43	28817	2.466	ug/l #	68
38) Carbon Tetrachloride	7.66	117	105431	4.944	ug/l #	16
40) Benzene	8.04	78	97707	1.679	ug/l	95
43) Isopropyl Acetate	8.31	43	32801	1.599	ug/l #	60
48) Methyl methacrylate	8.98	41	24148	2.320	ug/l #	40
49) 1,4-Dioxane	9.22	88	30	0.204	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5805	0.535	ug/l #	80
52) Toluene	10.16	92	409193	11.090	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	4475	2.178	ug/l #	1
67) Ethyl Benzene	11.51	91	228036	2.722	ug/l	99
68) m/p-Xylenes	11.62	106	426426	13.021	ug/l	99
69) o-Xylene	11.95	106	205267	6.430	ug/l	97
70) Styrene	11.96	104	158464	3.165	ug/l #	87
71) Bromoform	12.40	173	6218	2.774	ug/l #	1
73) Isopropylbenzene	12.25	105	80250	1.004	ug/l	100
74) N-amyl acetate	12.03	43	276945	15.604	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	501751	34.140	ug/l #	100
78) n-propylbenzene	12.59	91	193456	2.230	ug/l	99
79) 2-Chlorotoluene	12.65	91	74397	1.426	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	295606	4.445	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	501751	116.707	ug/l #	11
82) 4-Chlorotoluene	12.73	91	27570	0.529	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	941078	14.423	ug/l	100
85) sec-Butylbenzene	13.04	105	941078	11.854	ug/l #	55
86) p-Isopropyltoluene	13.29	119	15473	0.222	ug/l	96
89) n-Butylbenzene	13.61	91	11954	0.226	ug/l #	69

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

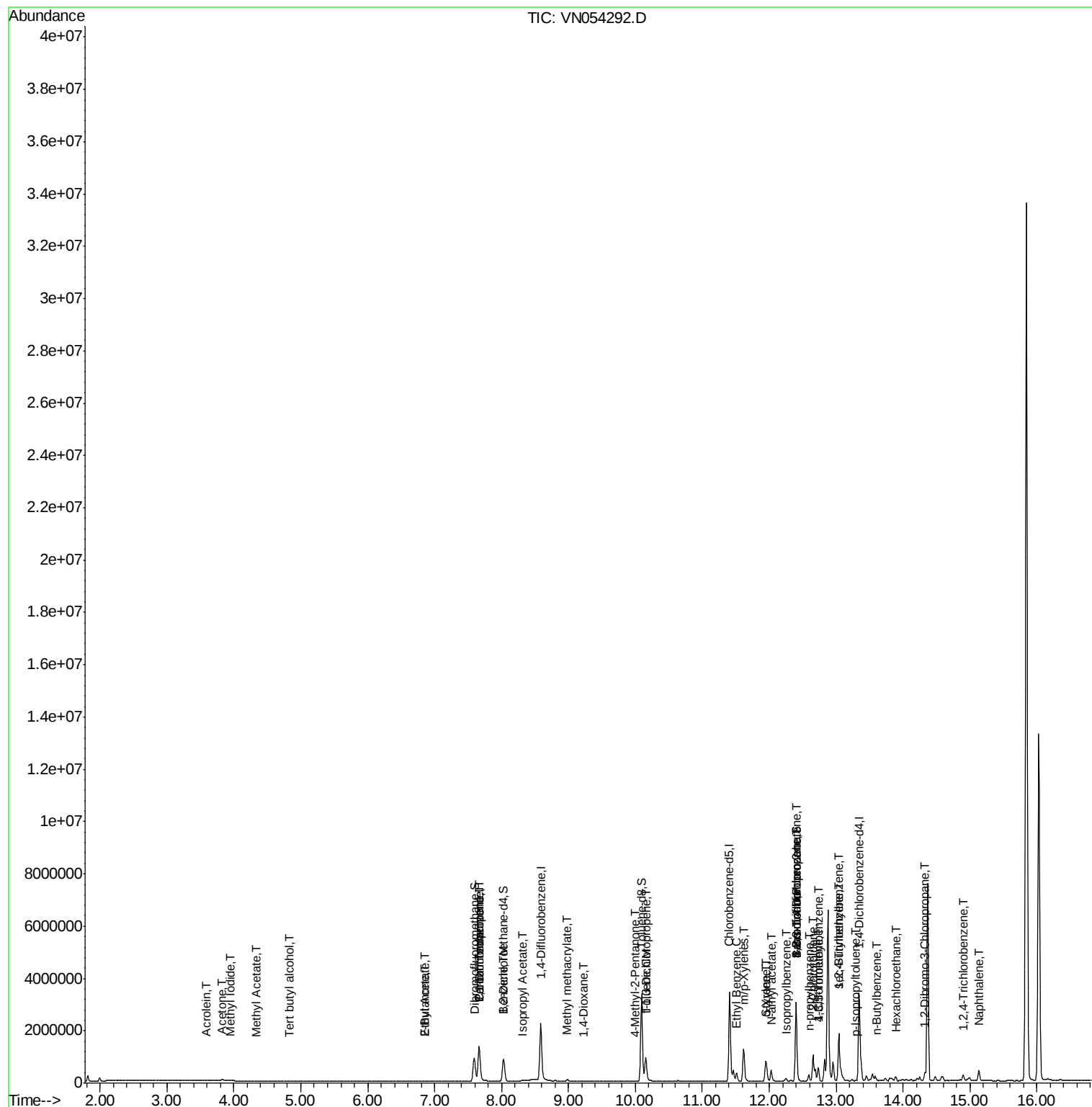
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	8552	0.742	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.33	75	1980	0.751	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	697	2.548	ug/l #	63
95) Naphthalene	15.13	128	361853	11.152	ug/l	99

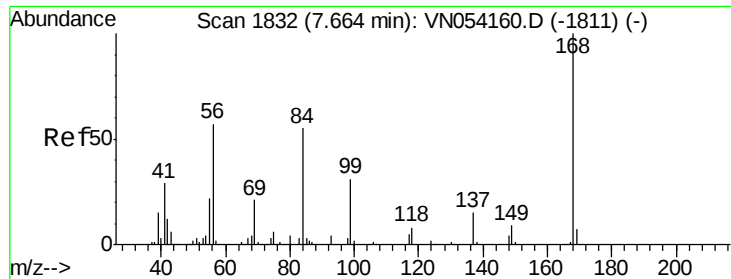
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

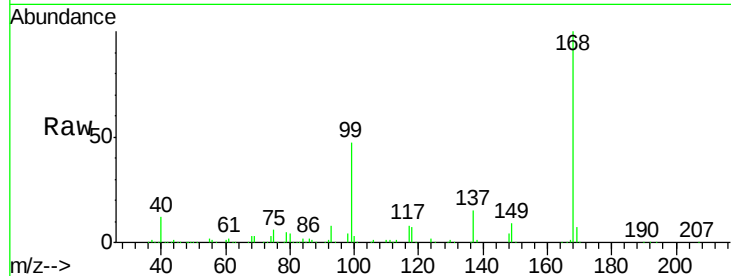
51064

Tot Ion:168 Resp: 1327436

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

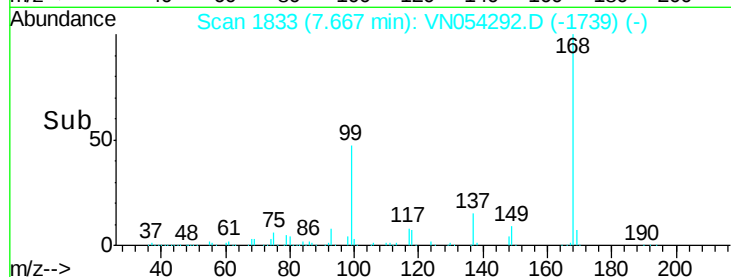
200000

100000

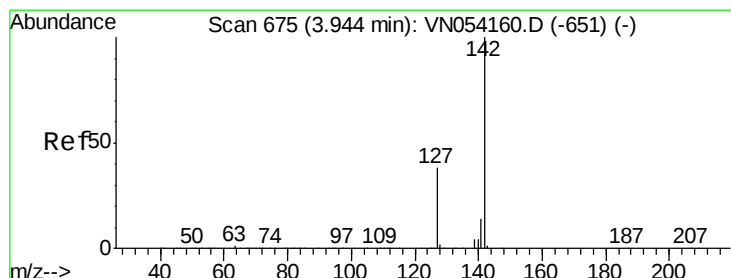
0

7.67

7.50 7.60 7.70 7.80



Time-->



#10

Methyl Iodide

Concen: 1.500 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

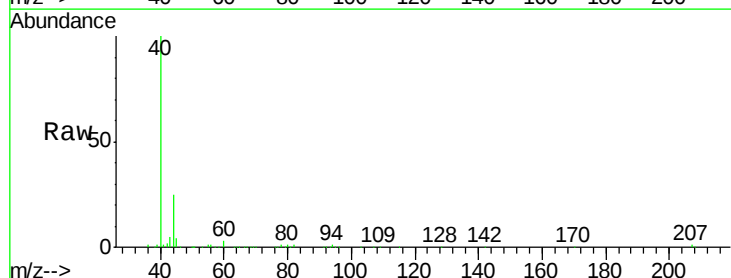
Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 178.1 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

150

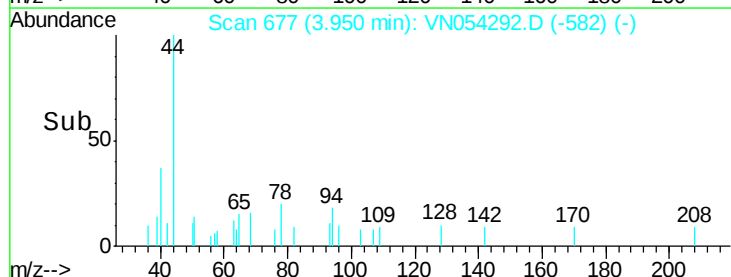
100

50

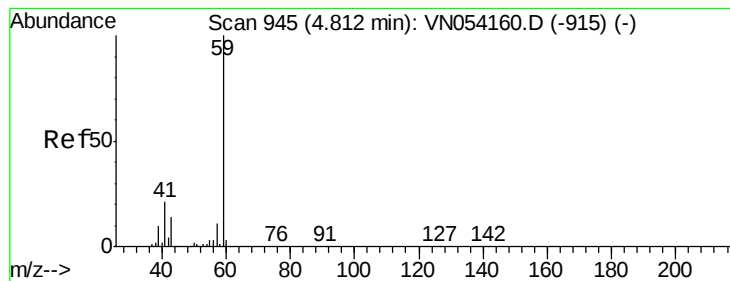
0

3.95

3.94 3.95 3.96 3.96



Time-->

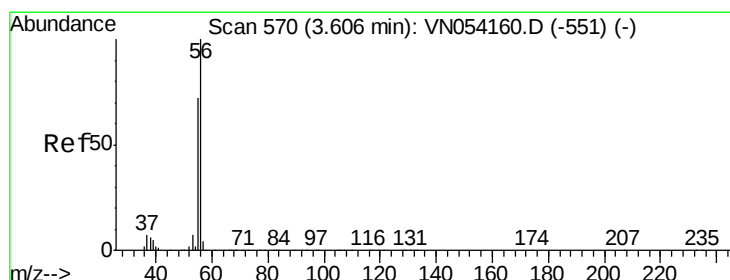
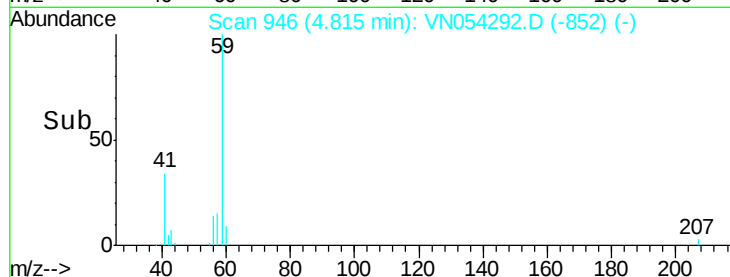
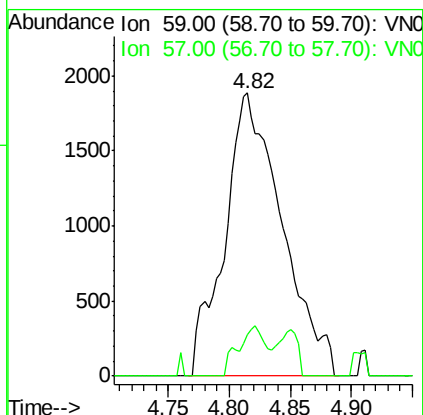
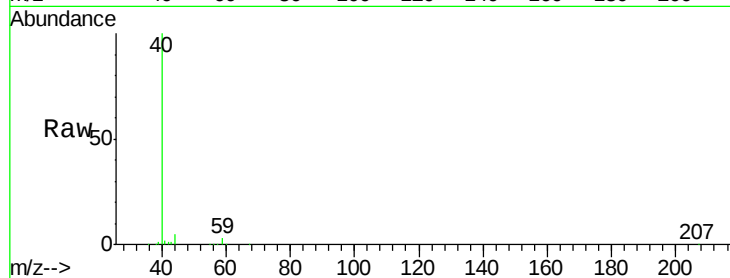


#11

Tert butyl alcohol
 Concen: 6.374 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Instrument :
 MSVOA_N
 ClientSampleId :
 51064

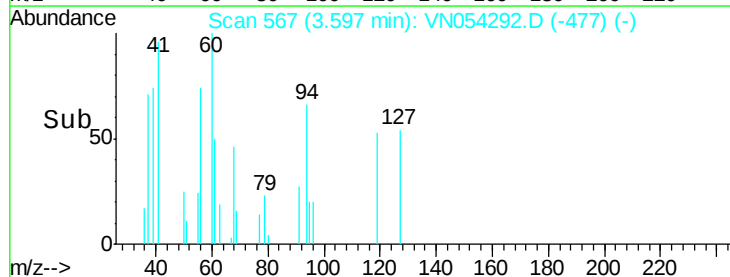
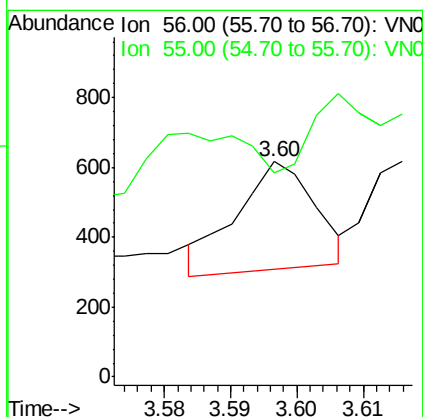
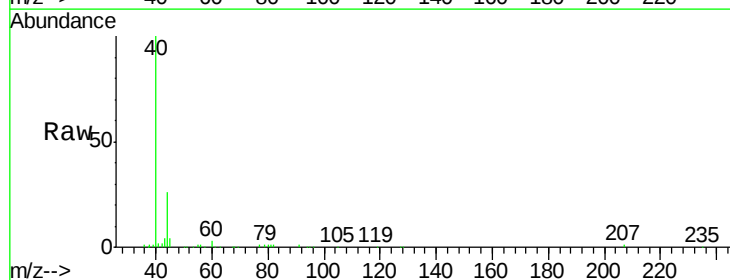
Tot Ion: 59 Resp: 6160
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.0 13.6#

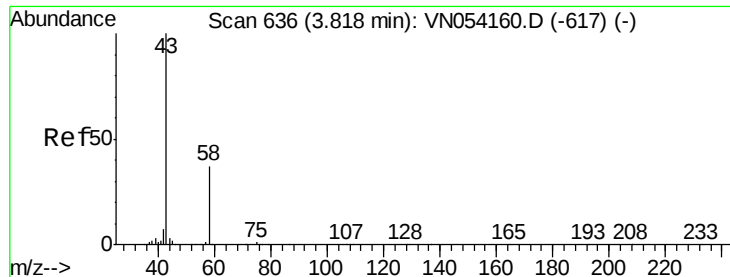


#13

Acrolein
 Concen: 0.277 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion: 56 Resp: 254
 Ion Ratio Lower Upper
 56 100
 55 55.1 56.7 85.1#





#16

Acetone

Concen: 22.777 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

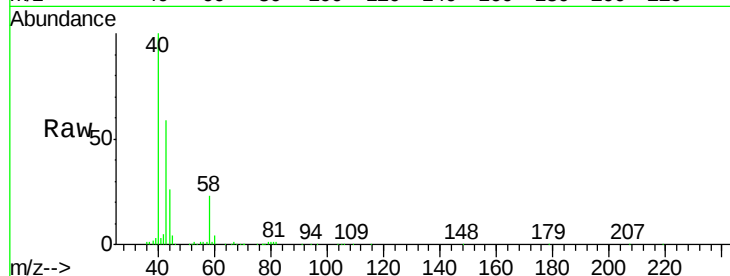
51064

Tot Ion: 43 Resp: 91938

Ion Ratio Lower Upper

43 100

58 41.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

40000

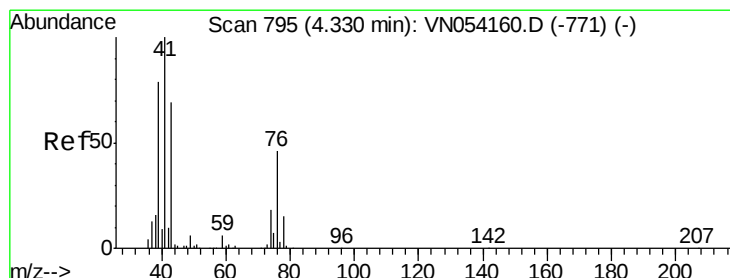
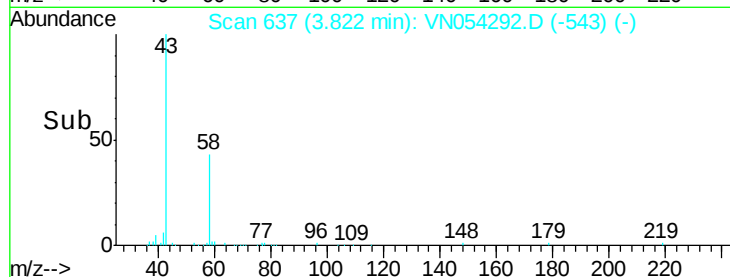
30000

20000

10000

0

Time--> 3.70 3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 0.725 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054292.D

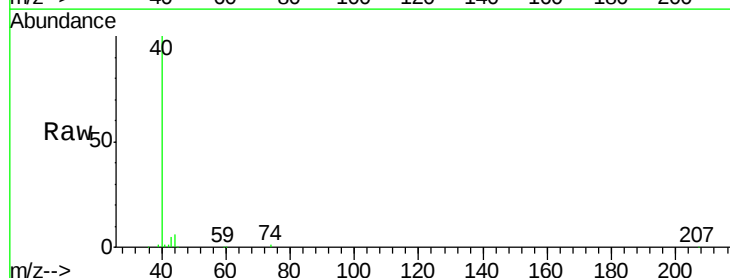
Acq: 15 Mar 2019 5:55

Tgt Ion: 43 Resp: 5921

Ion Ratio Lower Upper

43 100

74 28.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

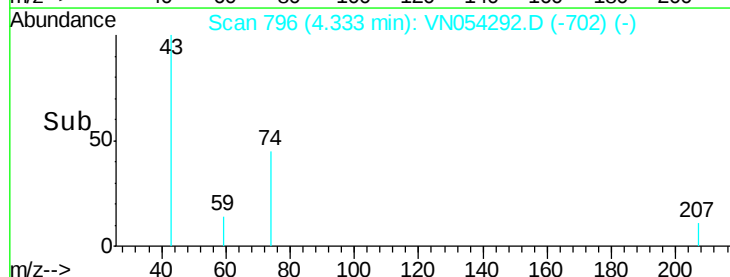
3000

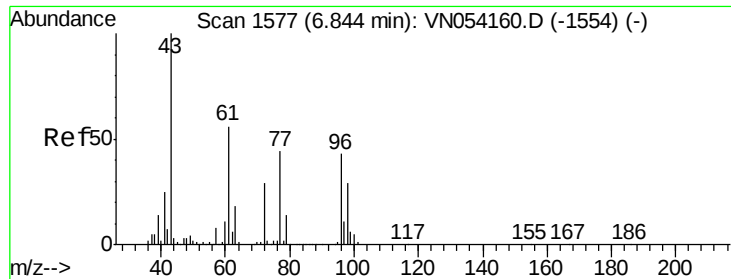
2000

1000

0

Time--> 4.30 4.35 4.40





#25

2-Butanone

Concen: 6.083 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

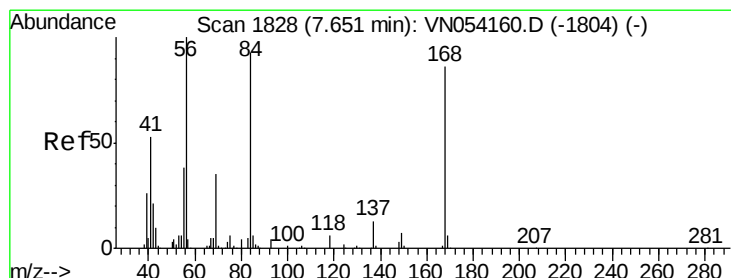
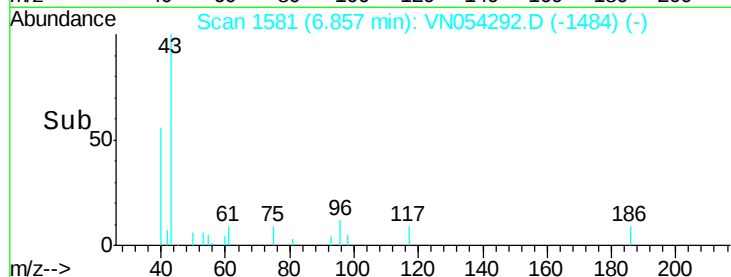
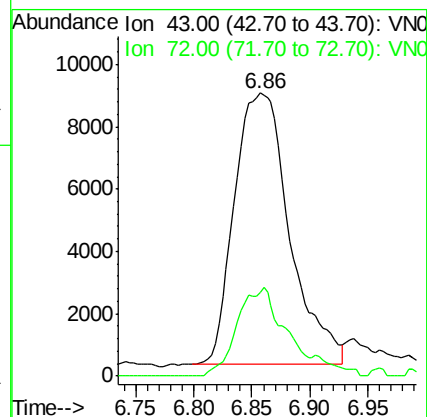
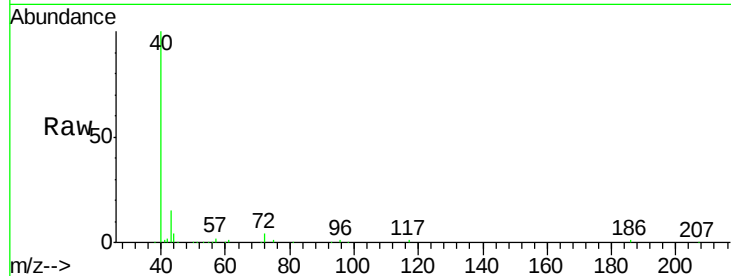
51064

Tot Ion: 43 Resp: 28817

Ion Ratio Lower Upper

43 100

72 30.8 23.0 34.6



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

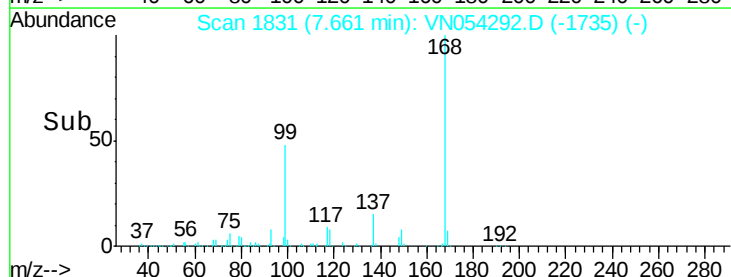
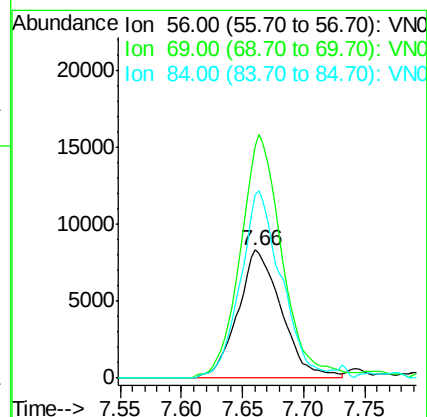
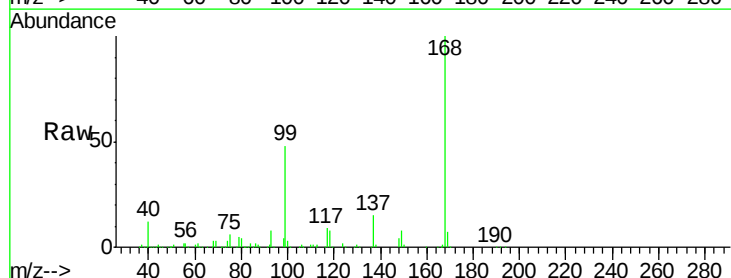
Tgt Ion: 56 Resp: 20653

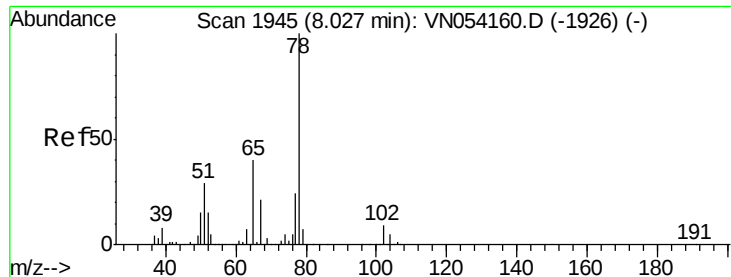
Ion Ratio Lower Upper

56 100

69 181.2 27.8 41.6#

84 143.7 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 50.468 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

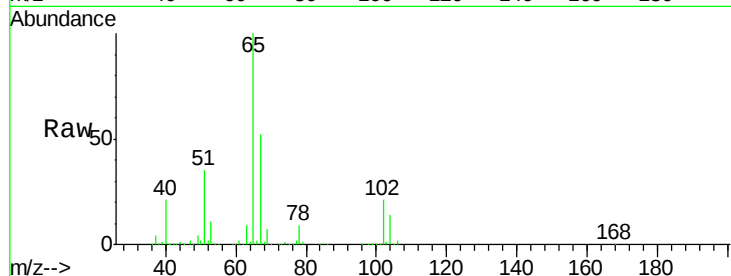
51064

Tot Ion: 65 Resp: 711463

Ion Ratio Lower Upper

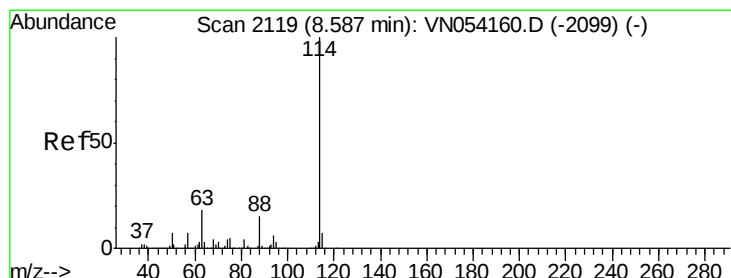
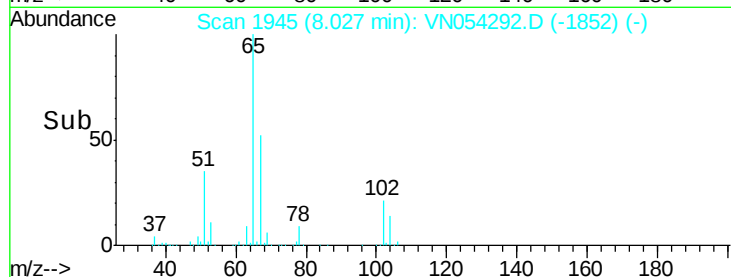
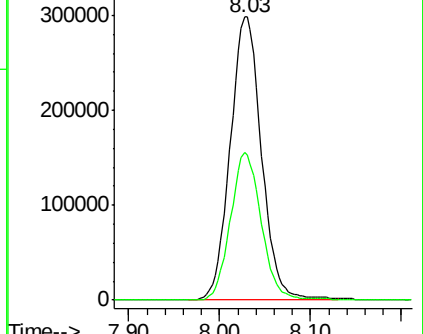
65 100

67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

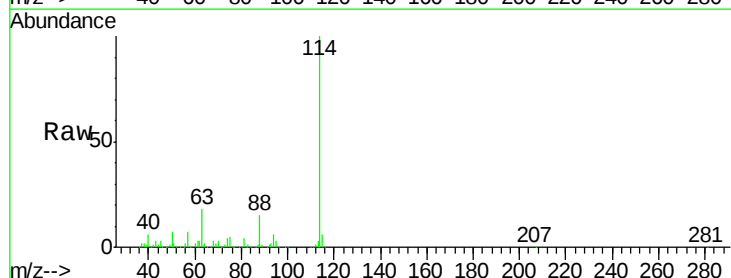
Tgt Ion: 114 Resp: 2208189

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

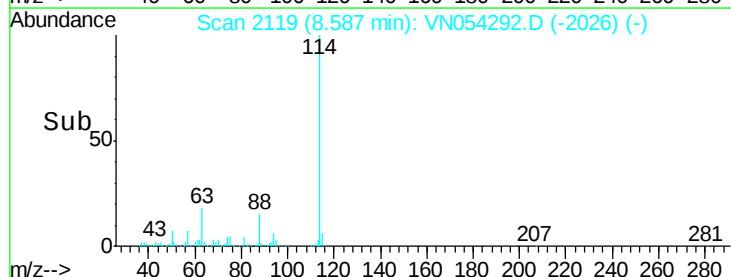
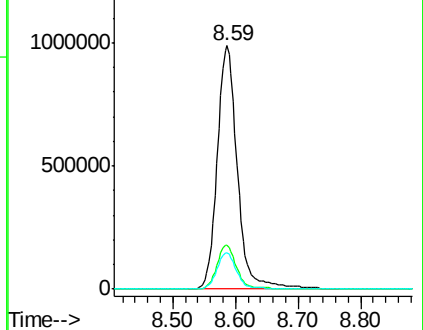
88 15.1 0.0 30.2

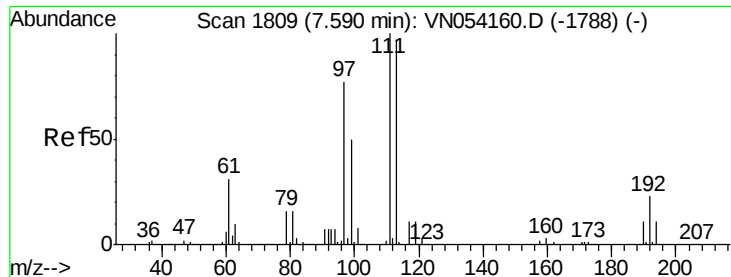


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

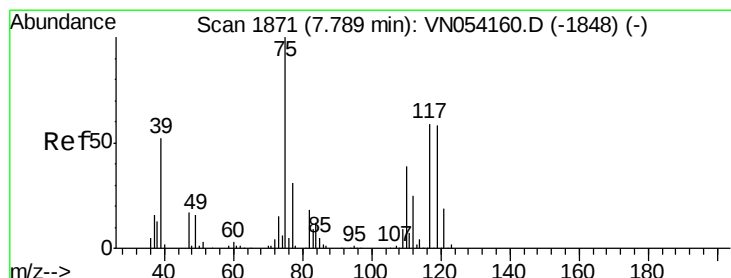
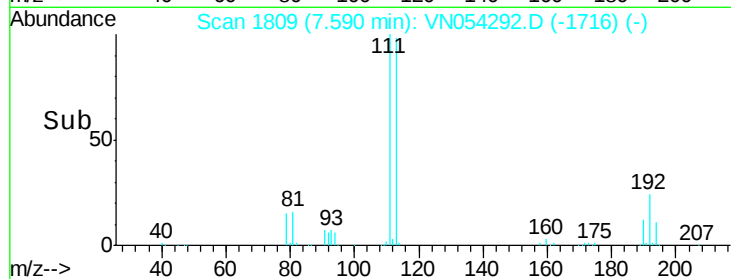
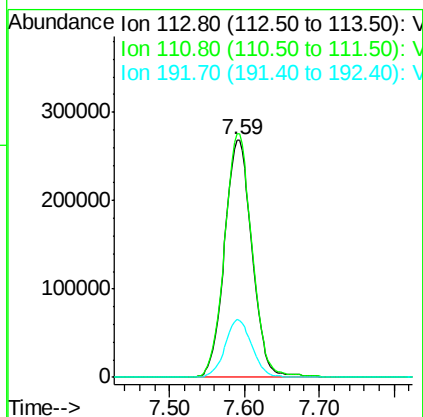
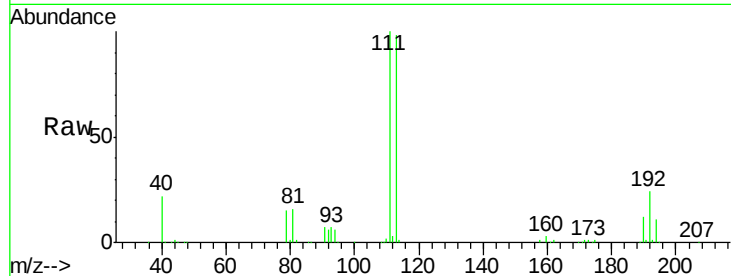




#35
 Dibromofluoromethane
 Concen: 48.067 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

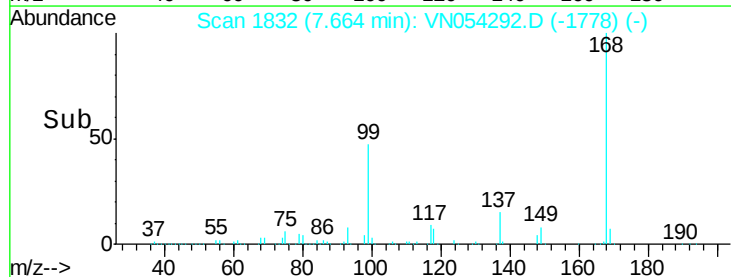
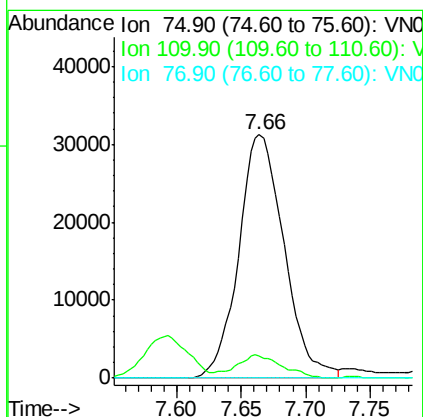
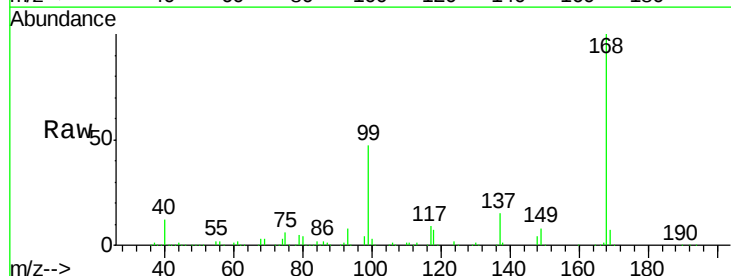
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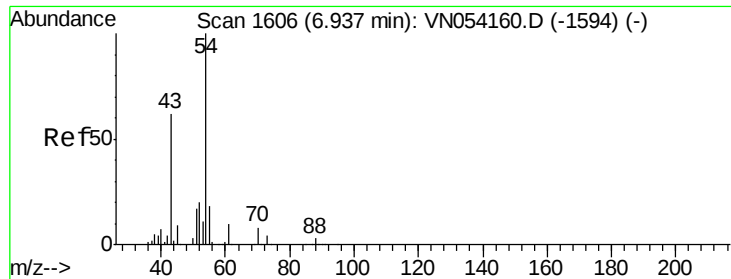
Tot Ion:113 Resp: 684573
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 23.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 3.761 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion: 75 Resp: 76478
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.5#
 77 0.0 25.0 37.4#

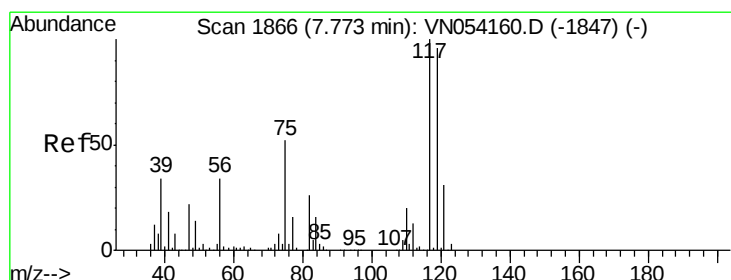
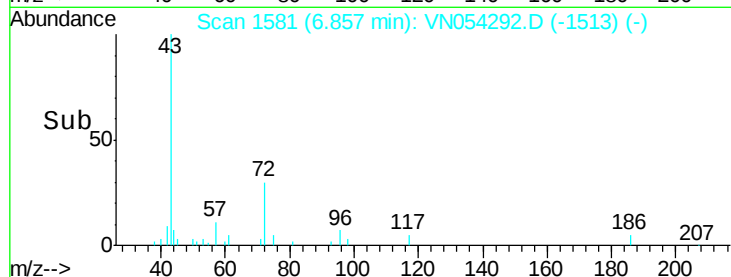
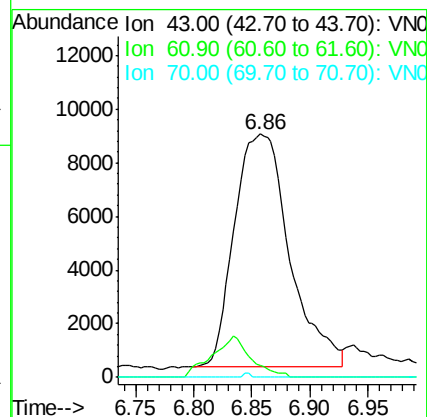
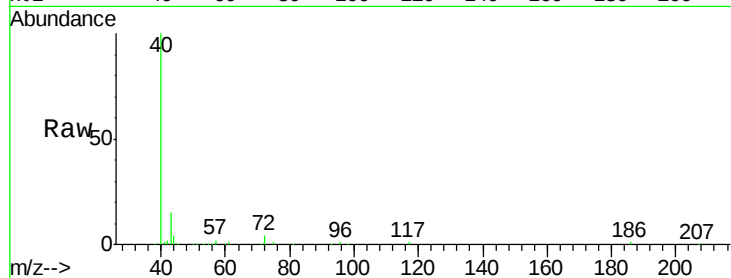




#37
Ethyl Acetate
Concen: 2.466 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. -0.08 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

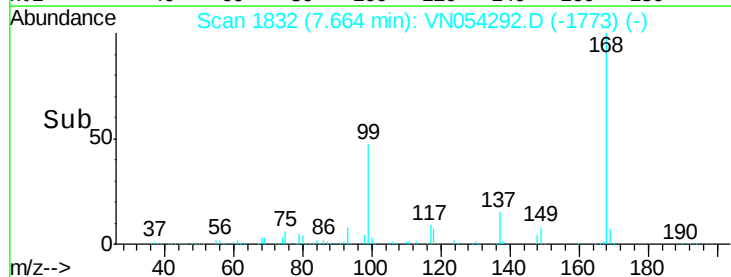
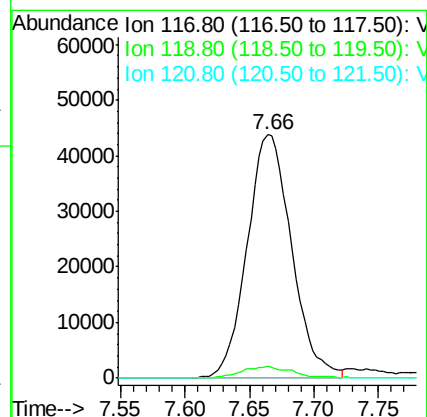
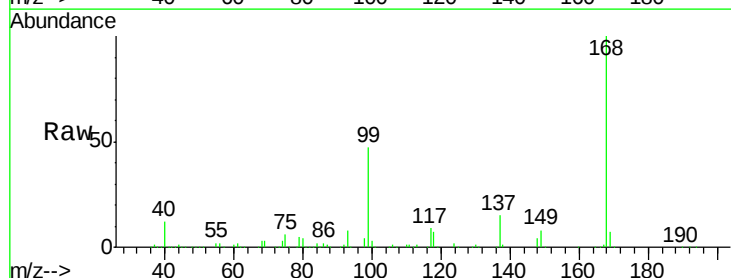
Instrument :
MSVOA_N
ClientSampleId :
51064

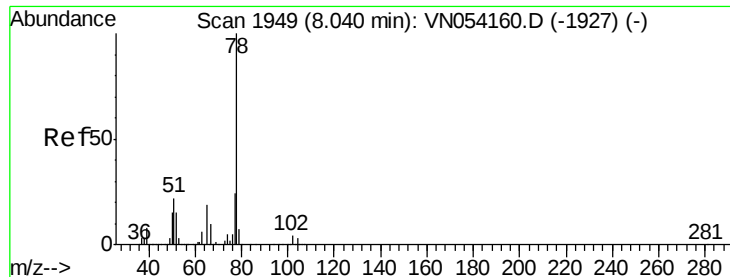
Tot Ion: 43 Resp: 28817
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.944 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

Tgt Ion: 117 Resp: 105431
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.6 36.8#





#40

Benzene

Concen: 1.679 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

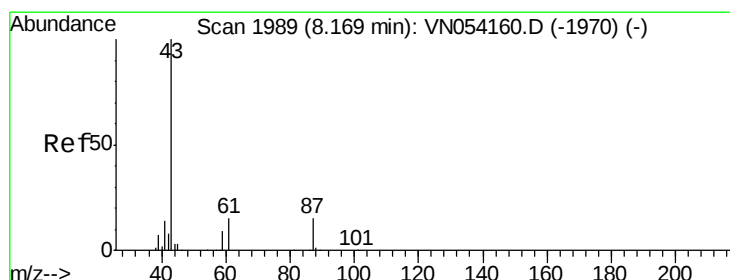
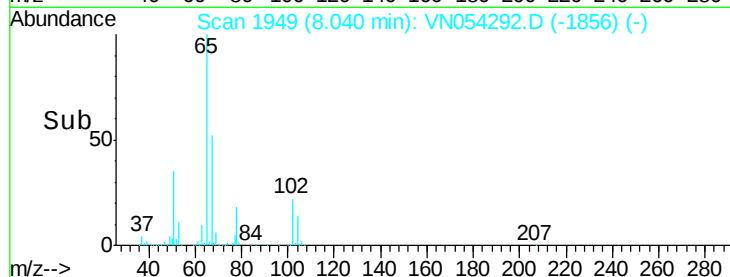
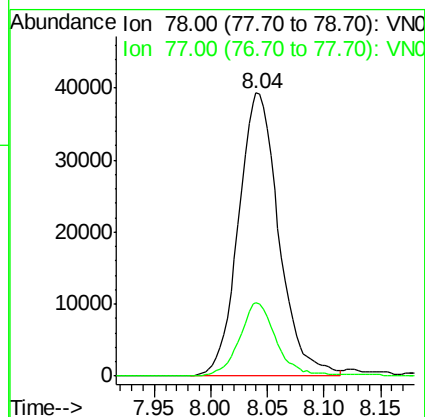
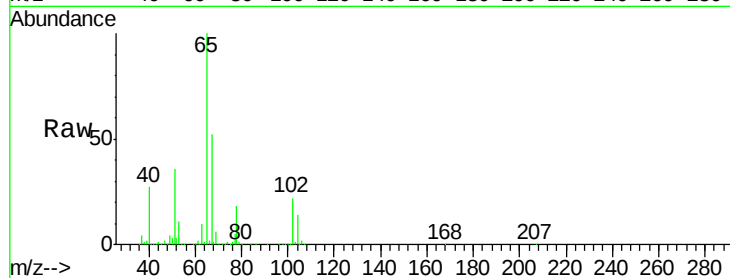
51064

Tot Ion: 78 Resp: 97707

Ion Ratio Lower Upper

78 100

77 26.2 19.1 28.7



#43

Isopropyl Acetate

Concen: 1.599 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

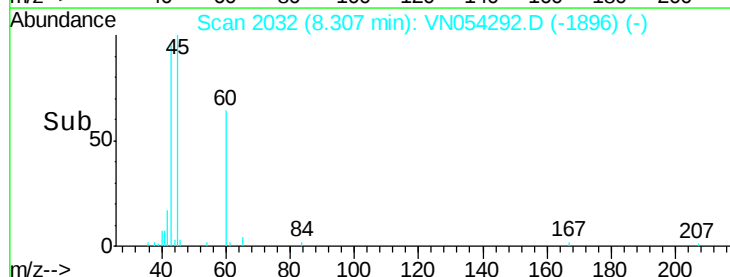
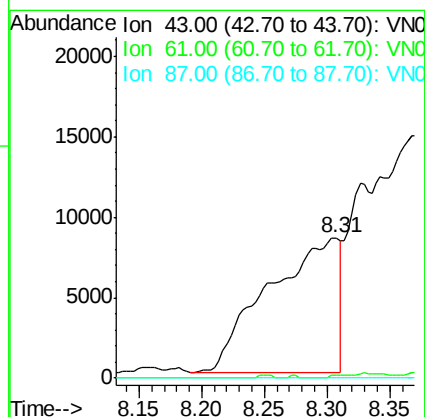
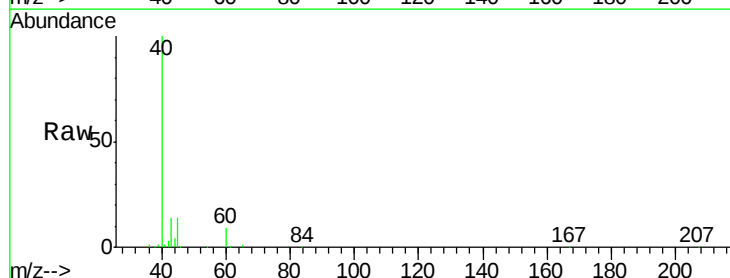
Tgt Ion: 43 Resp: 32801

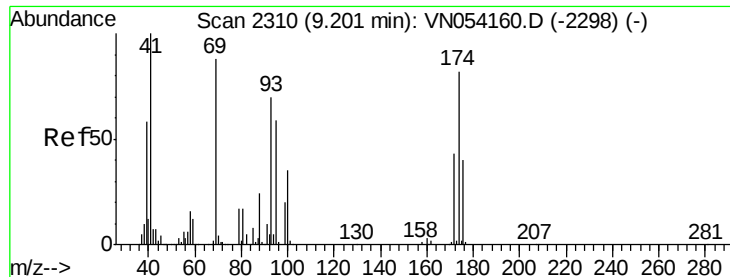
Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#





#48

Methvl methacrylate

Concen: 2.320 ug/l

RT: 8.98 min Scan# 2242

Delta R.T. -0.22 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

51064

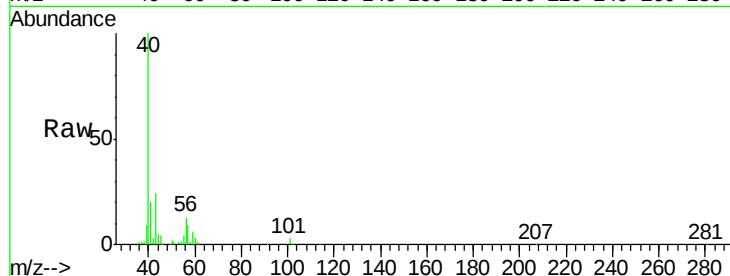
Tot Ion: 41 Resp: 24148

Ion Ratio Lower Upper

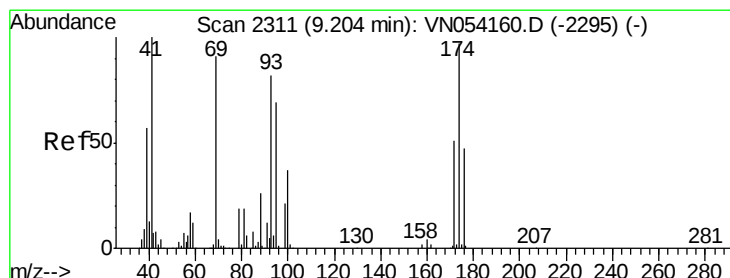
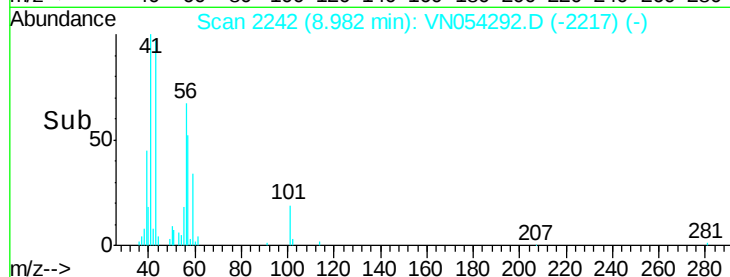
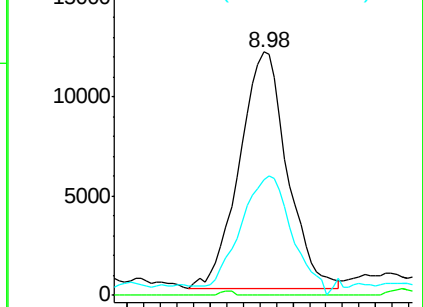
41 100

69 0.0 72.6 108.8#

39 54.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



#49

1,4-Dioxane

Concen: 0.204 ug/l

RT: 9.22 min Scan# 2317

Delta R.T. 0.02 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

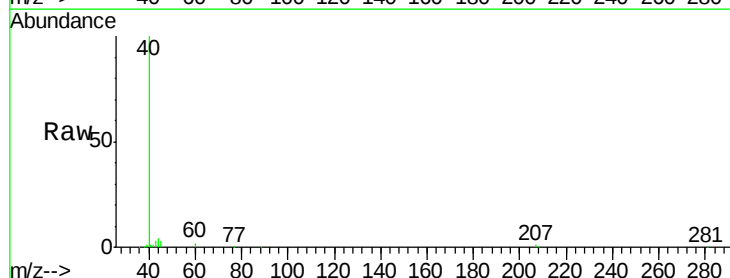
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

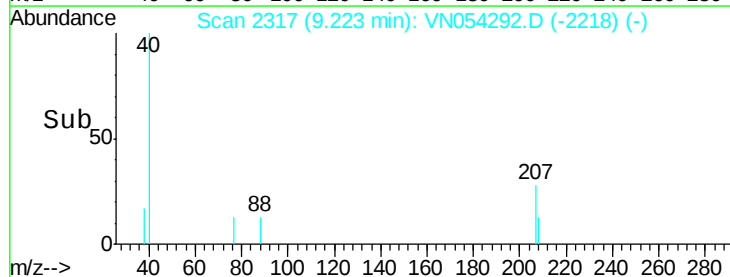
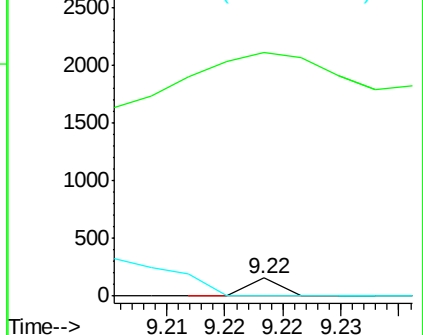
88 100

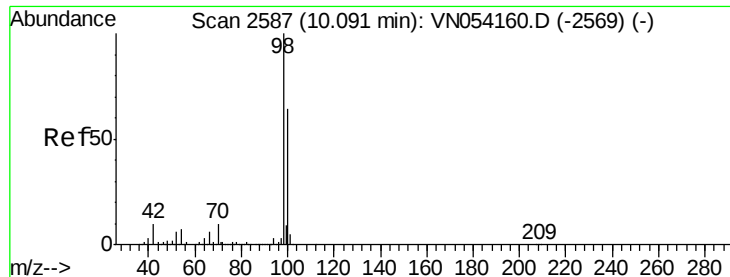
43 0.0 24.1 36.1#

58 1243.3 50.8 76.2#



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





#50

Toluene-d8

Concen: 51.960 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

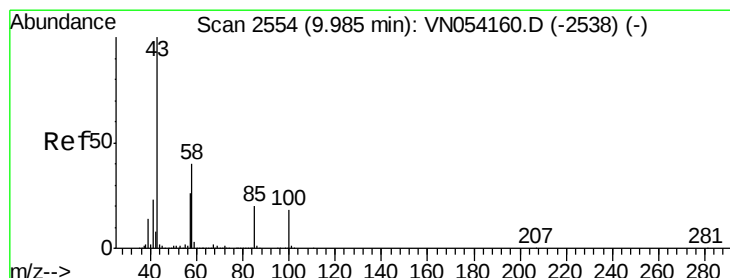
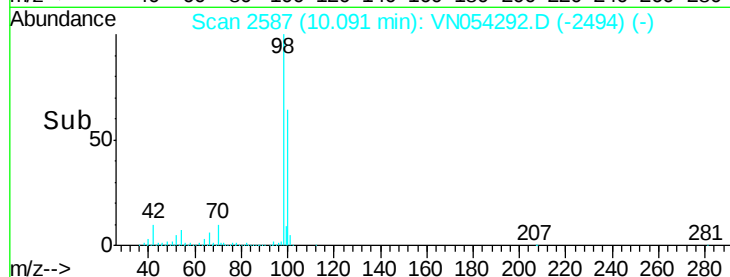
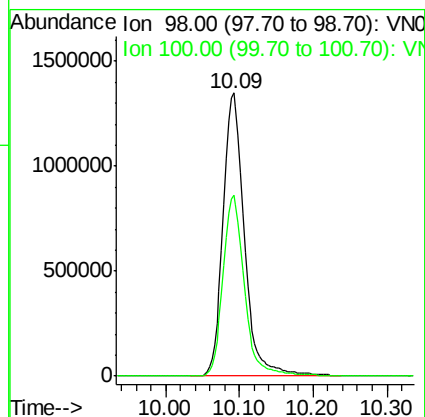
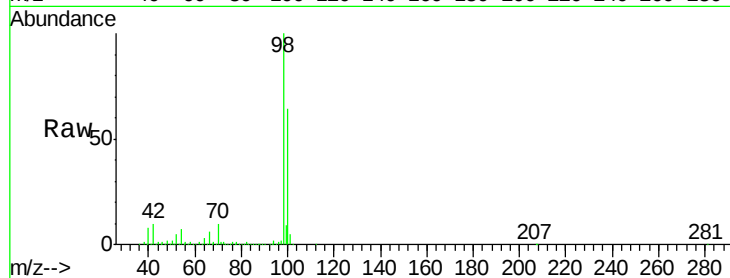
51064

Tot Ion: 98 Resp: 2732969

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.535 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054292.D

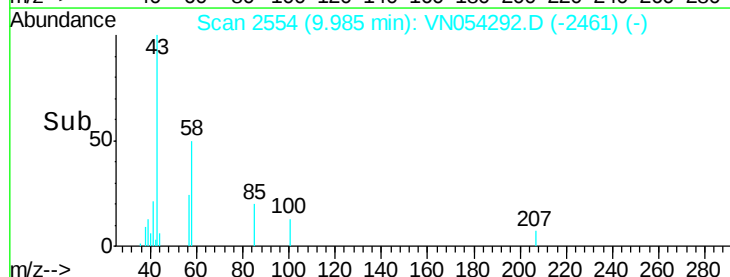
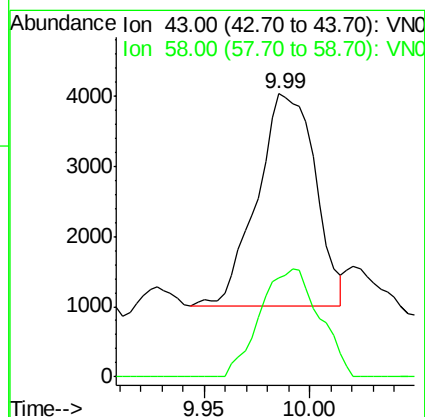
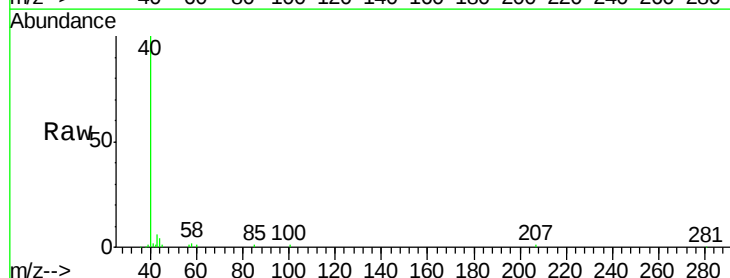
Acq: 15 Mar 2019 5:55

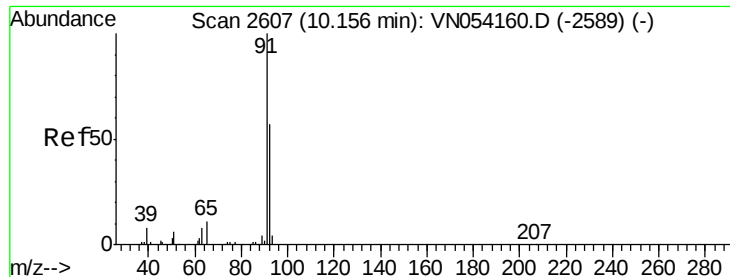
Tgt Ion: 43 Resp: 5805

Ion Ratio Lower Upper

43 100

58 51.7 31.8 47.6#





#52

Toluene

Concen: 11.090 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

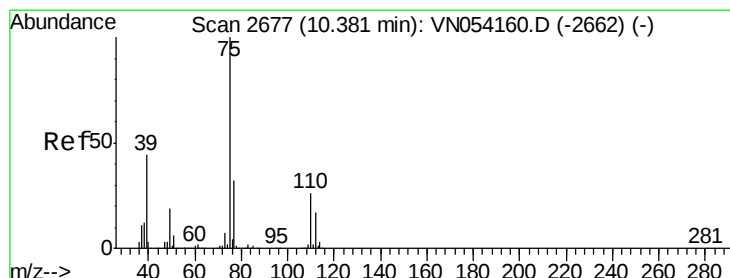
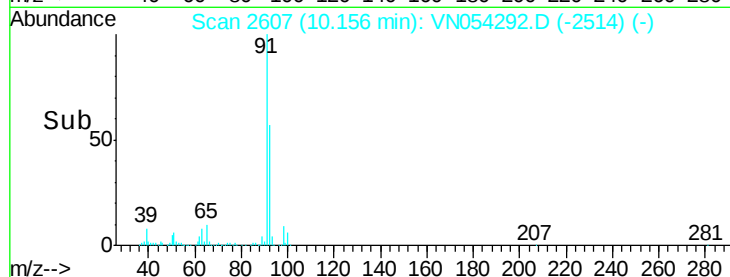
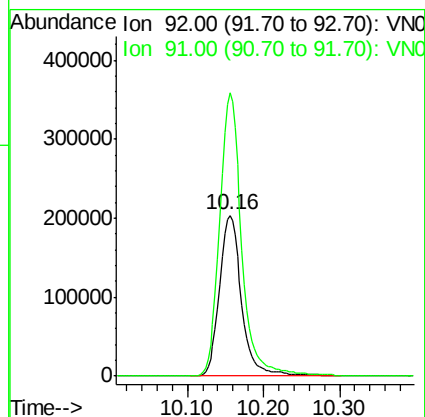
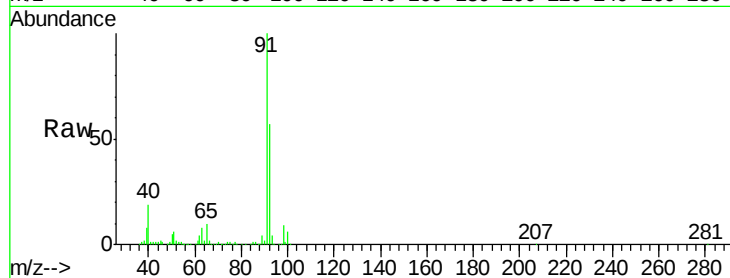
51064

Tot Ion: 92 Resp: 409193

Ion Ratio Lower Upper

92 100

91 176.1 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.178 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN054292.D

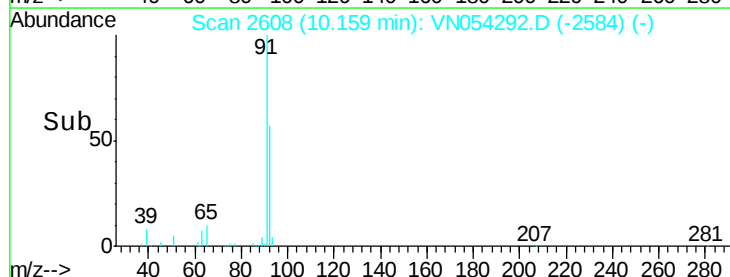
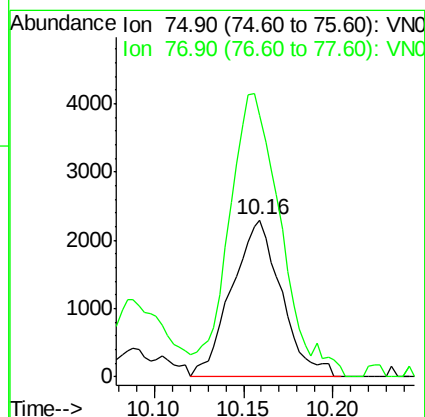
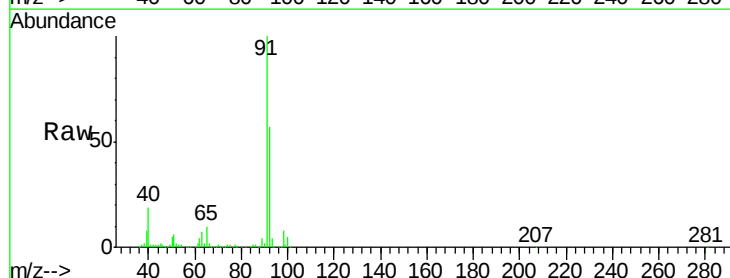
Acq: 15 Mar 2019 5:55

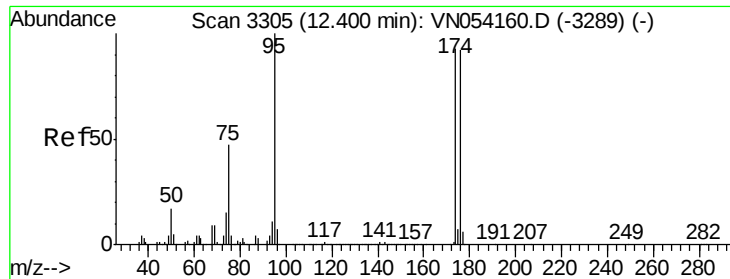
Tgt Ion: 75 Resp: 4475

Ion Ratio Lower Upper

75 100

77 159.5 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 56.370 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

51064

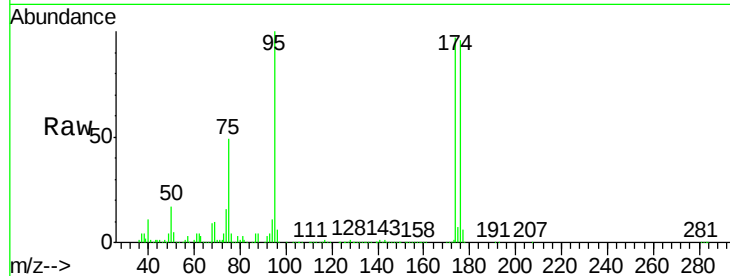
Tot Ion: 95 Resp: 1037432

Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

176 96.4 0.0 187.4



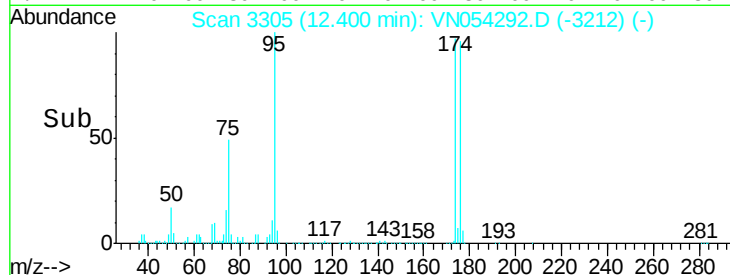
Abundance Ion 94.90 (94.60 to 95.60): VN054292.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054292.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054292.D (-2903) (-)

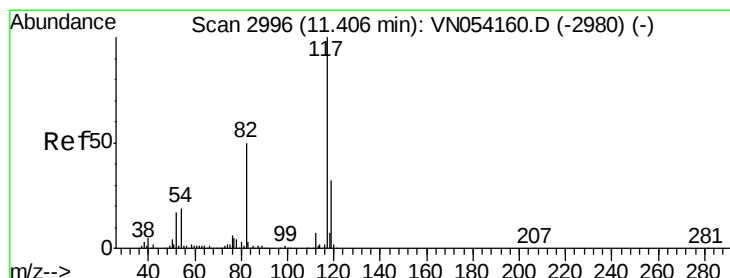
Time-->

12.30 12.40 12.50



Time-->

12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

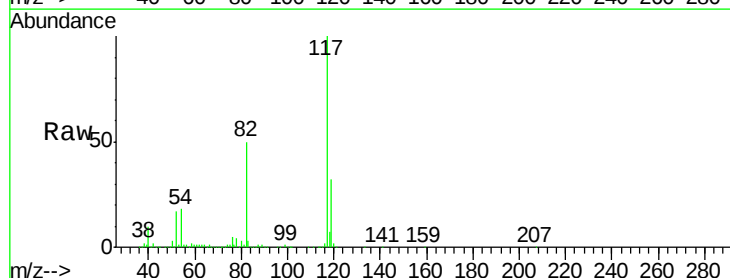
Tgt Ion: 117 Resp: 2302038

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

119 32.2 25.8 38.6



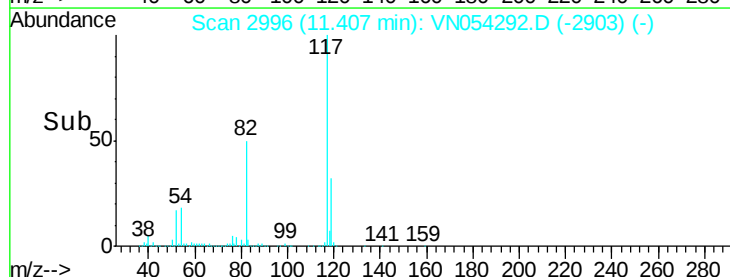
Abundance Ion 116.90 (116.60 to 117.60): VN054292.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054292.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054292.D (-2903) (-)

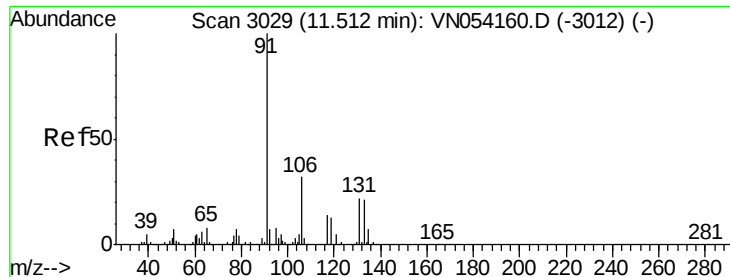
Time-->

11.30 11.40 11.50 11.60



Time-->

11.30 11.40 11.50 11.60



#67

Ethyl Benzene

Concen: 2.722 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

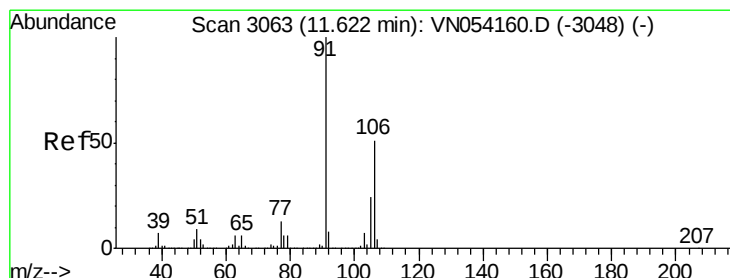
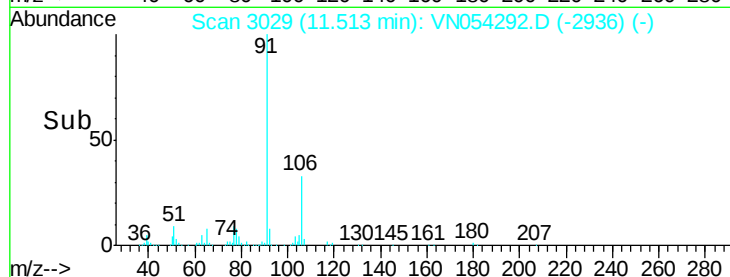
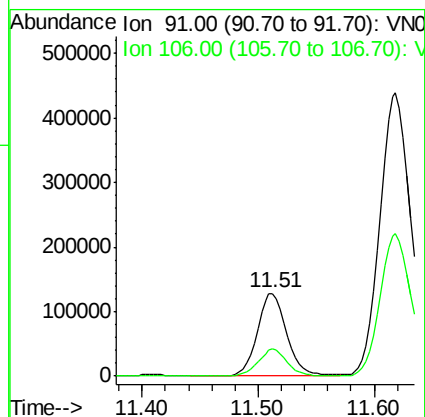
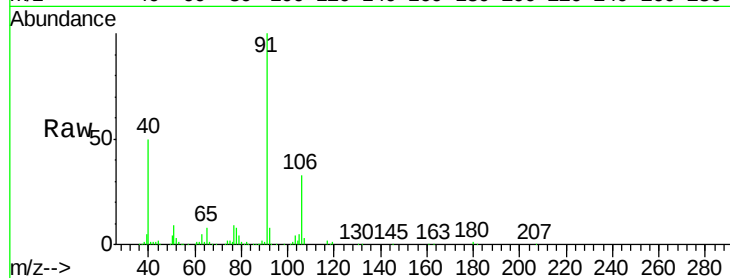
51064

Tot Ion: 91 Resp: 228036

Ion Ratio Lower Upper

91 100

106 32.7 25.5 38.3



#68

m/p-Xylenes

Concen: 13.021 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054292.D

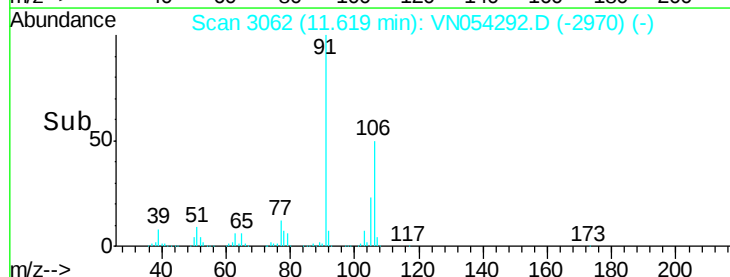
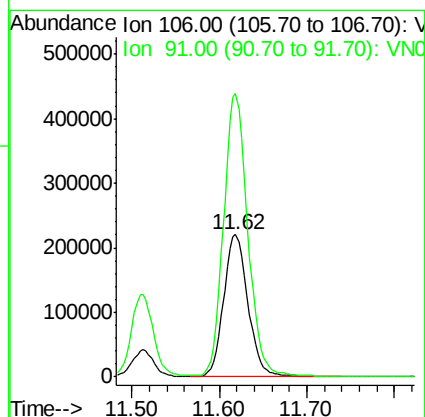
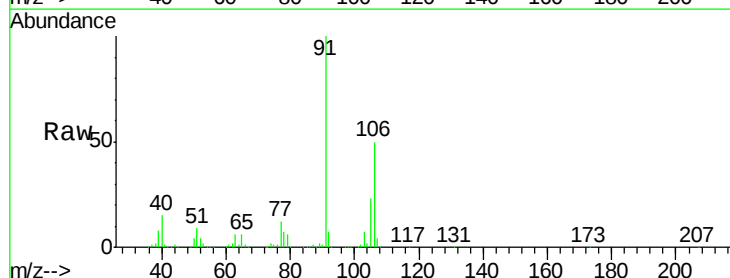
Acq: 15 Mar 2019 5:55

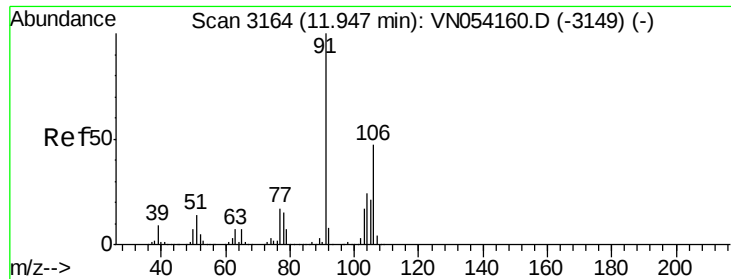
Tgt Ion: 106 Resp: 426426

Ion Ratio Lower Upper

106 100

91 197.5 159.4 239.2

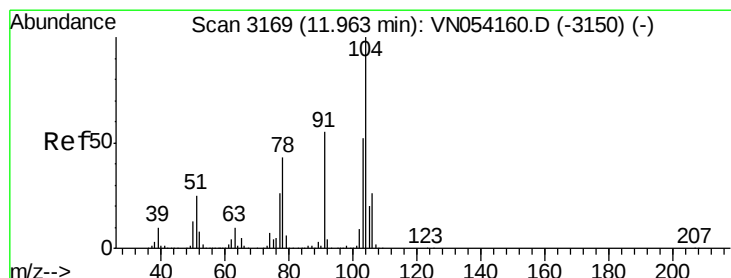
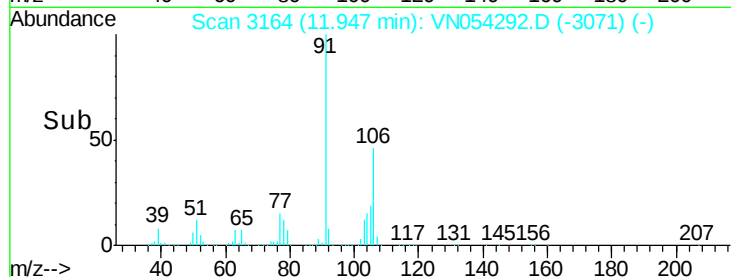
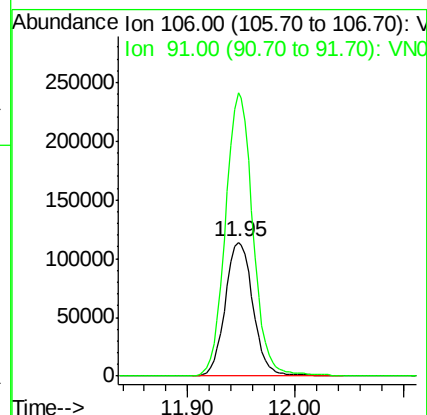
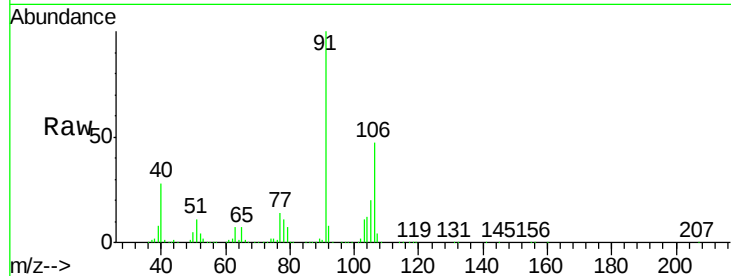




#69
o-Xylene
Concen: 6.430 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

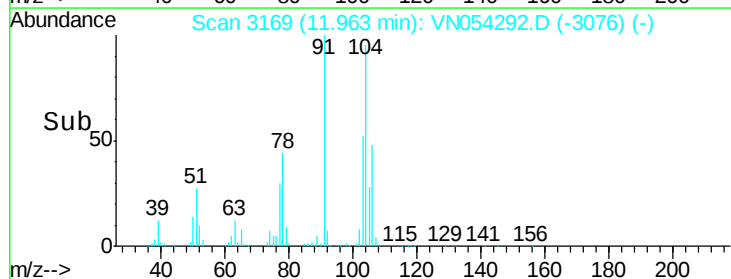
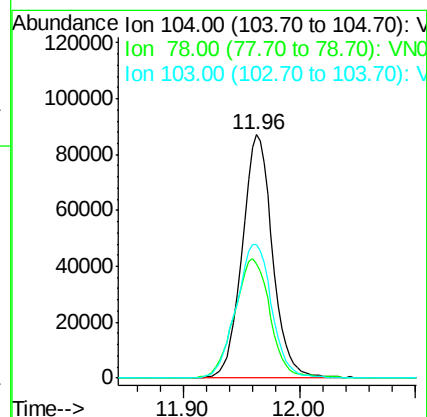
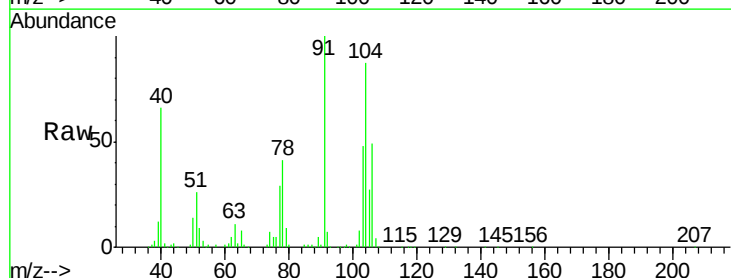
Instrument :
MSVOA_N
ClientSampled :
51064

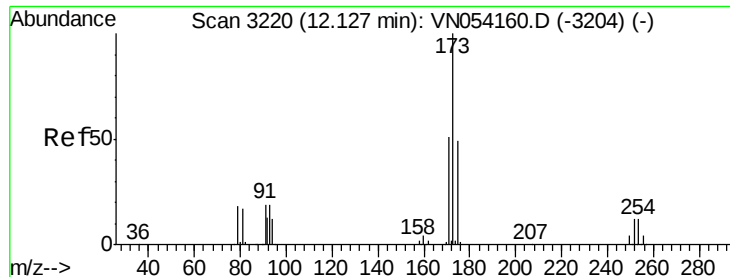
Tot Ion:106 Resp: 205267
Ion Ratio Lower Upper
106 100
91 206.7 105.7 317.1



#70
Styrene
Concen: 3.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

Tgt Ion:104 Resp: 158464
Ion Ratio Lower Upper
104 100
78 57.6 38.2 57.2#
103 64.3 44.4 66.6





#71

Bromoform

Concen: 2.774 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

51064

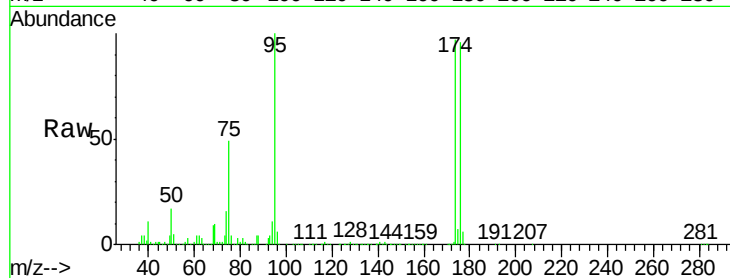
Tot Ion:173 Resp: 6218

Ion Ratio Lower Upper

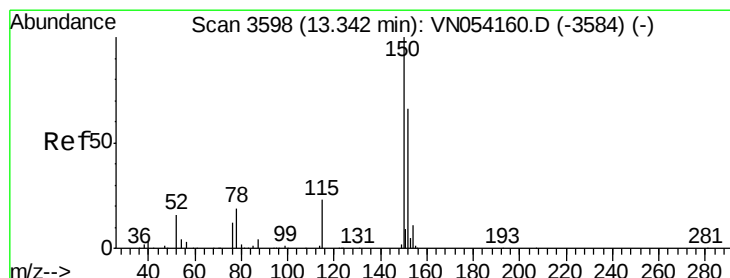
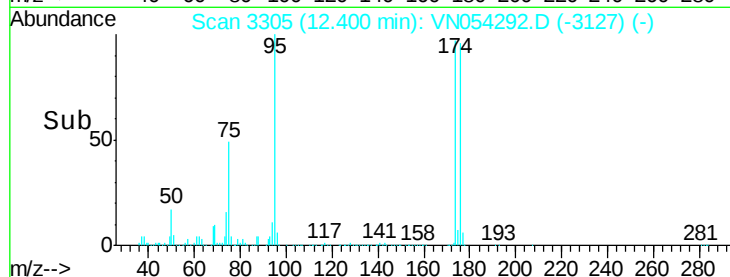
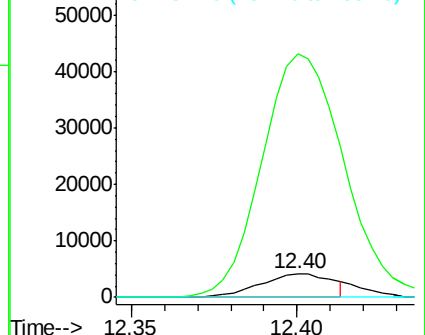
173 100

175 1023.8 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

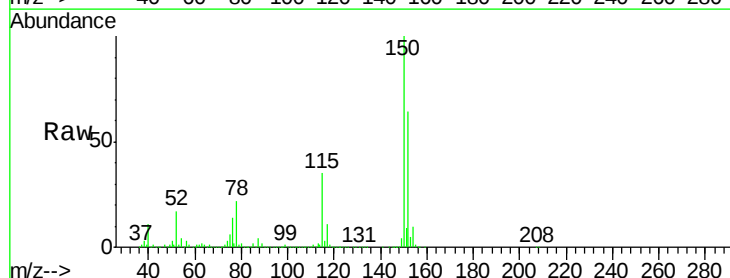
Tgt Ion:152 Resp: 999409

Ion Ratio Lower Upper

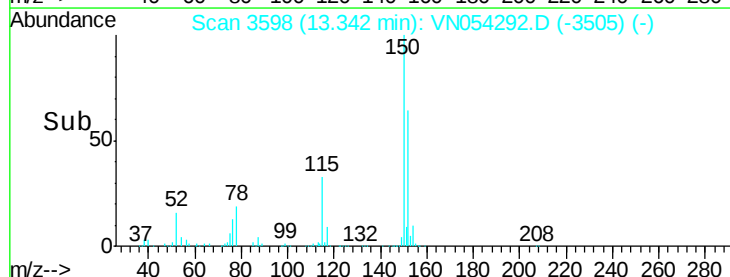
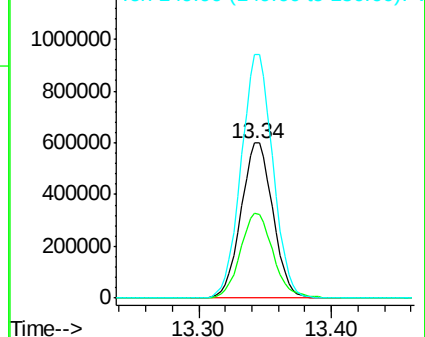
152 100

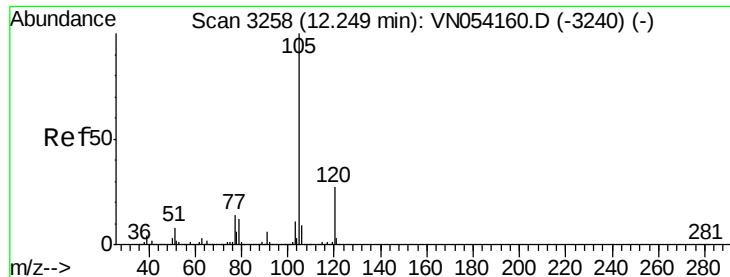
115 56.1 27.2 81.6

150 156.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.004 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

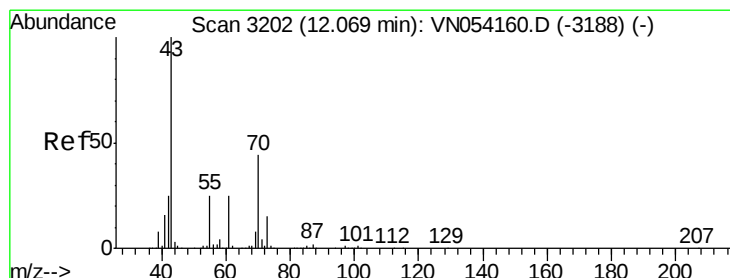
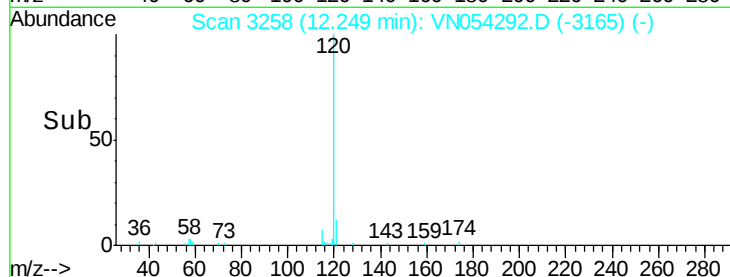
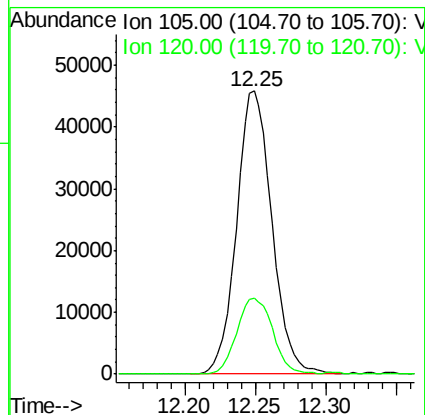
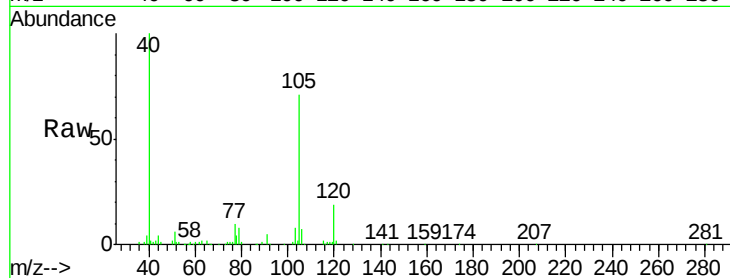
51064

Tot Ion: 105 Resp: 80250

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#74

N-ethyl acetate

Concen: 15.604 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Tgt Ion: 43 Resp: 276945

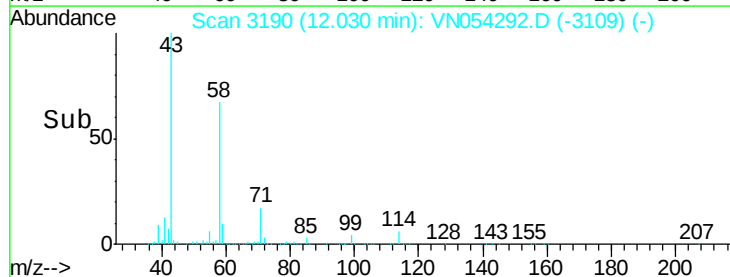
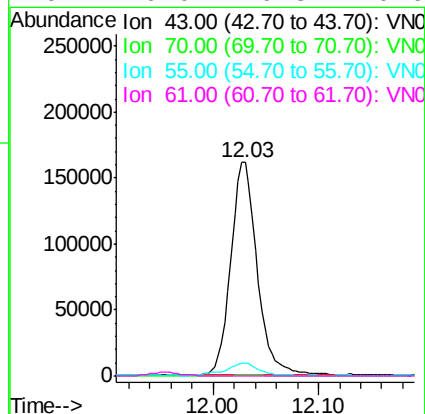
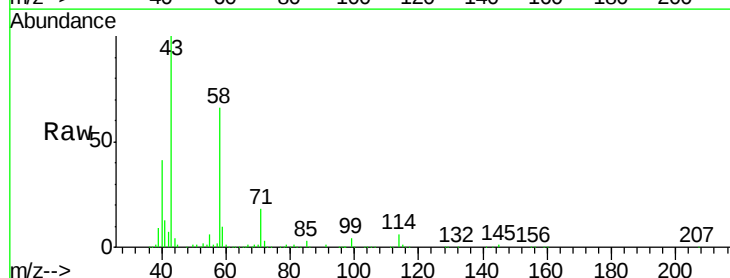
Ion Ratio Lower Upper

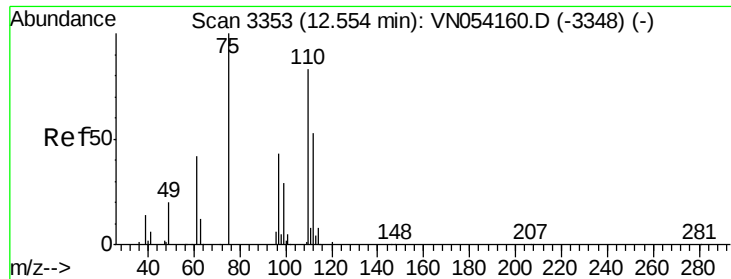
43 100

70 0.6 35.4 53.0#

55 7.1 19.8 29.6#

61 0.0 19.8 29.6#





#76

1,2,3-Trichloropropane

Concen: 34.140 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

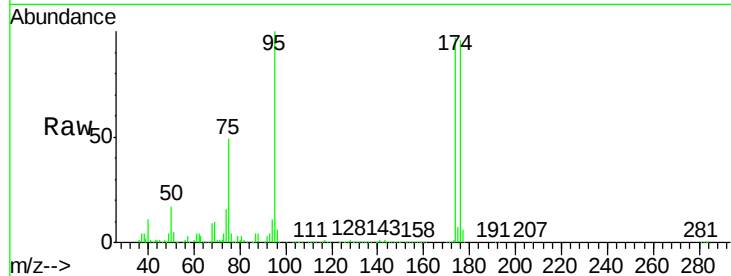
51064

Tot Ion: 75 Resp: 501751

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

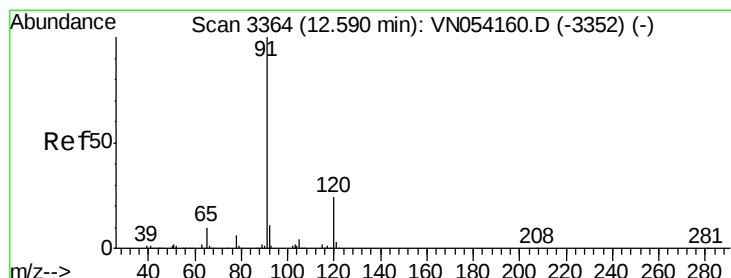
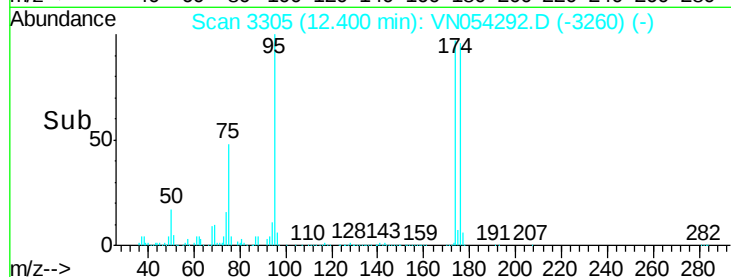
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 2.230 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054292.D

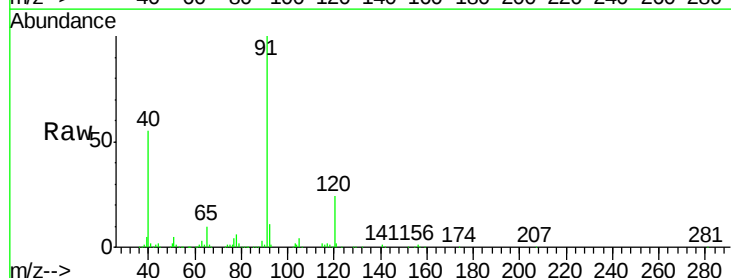
Acq: 15 Mar 2019 5:55

Tgt Ion: 91 Resp: 193456

Ion Ratio Lower Upper

91 100

120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

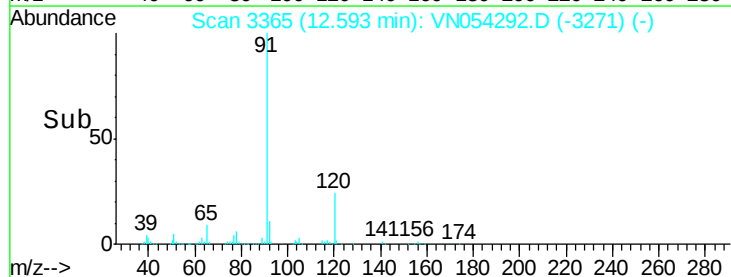
150000

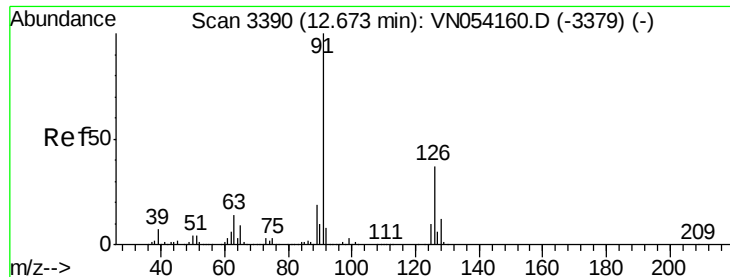
100000

50000

0

Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 1.426 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

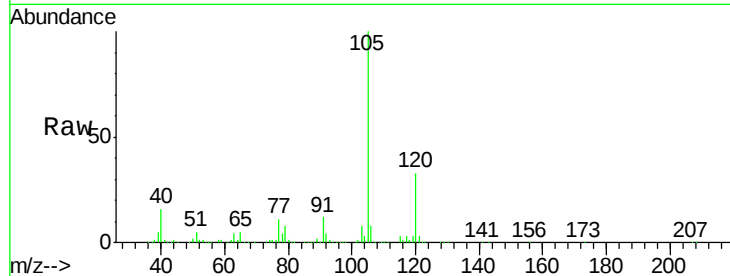
51064

Tot Ion: 91 Resp: 74397

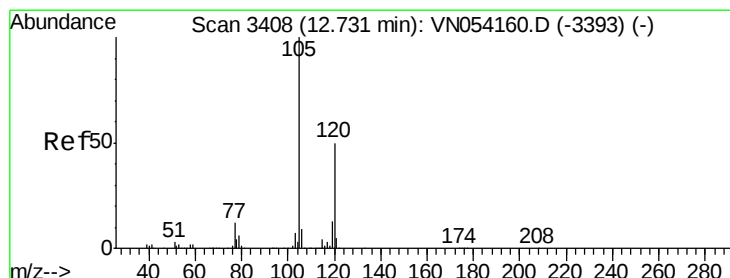
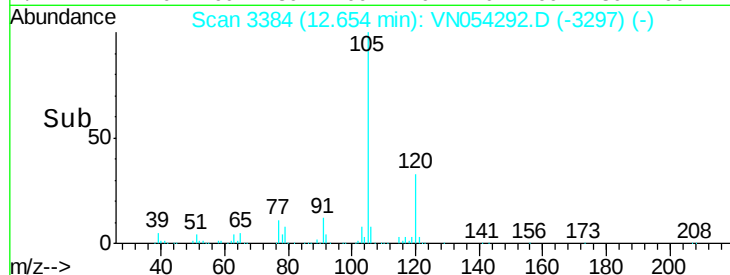
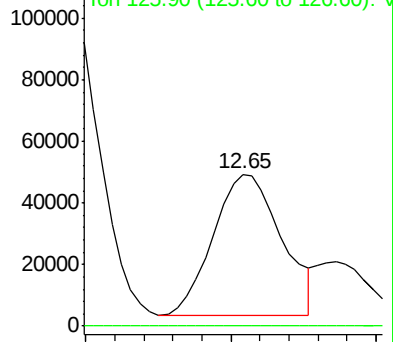
Ion Ratio Lower Upper

91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.445 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054292.D

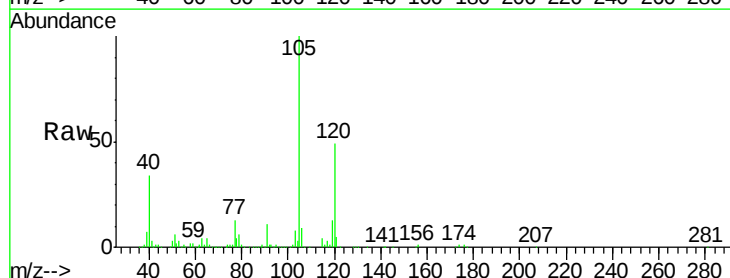
Acq: 15 Mar 2019 5:55

Tgt Ion: 105 Resp: 295606

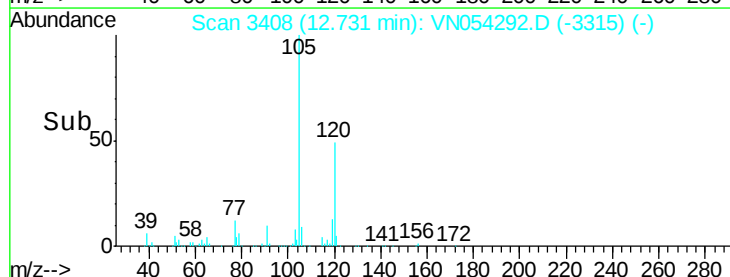
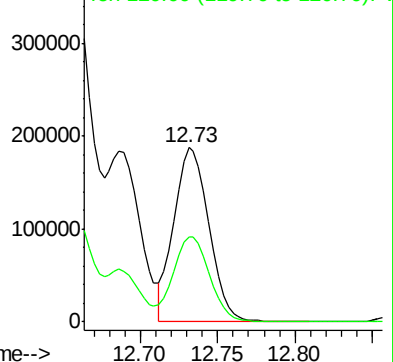
Ion Ratio Lower Upper

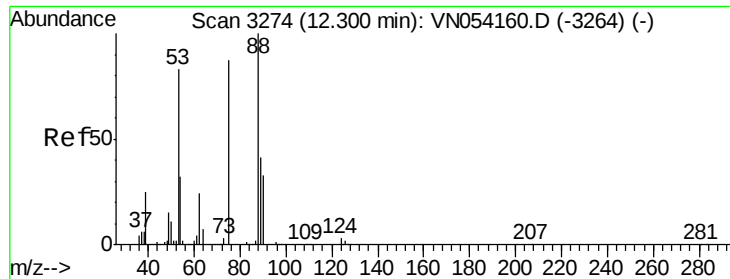
105 100

120 51.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 116.707 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

51064

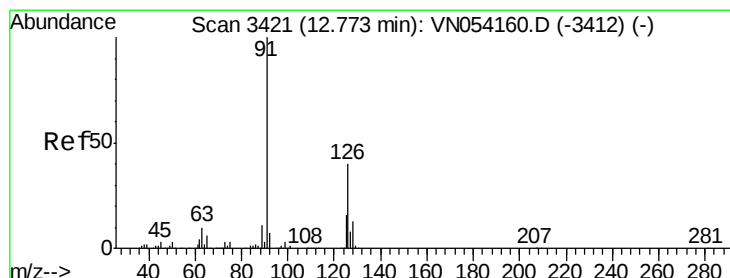
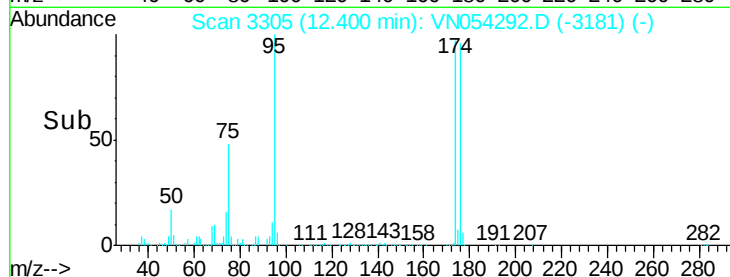
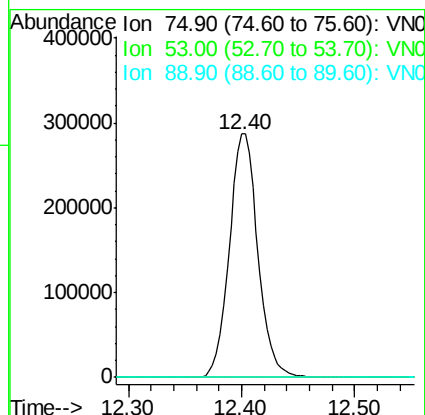
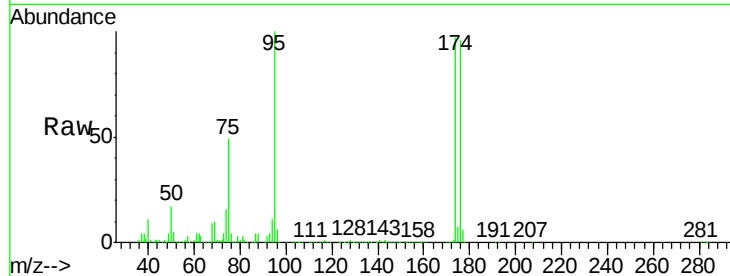
Tot Ion: 75 Resp: 501751

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 0.529 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054292.D

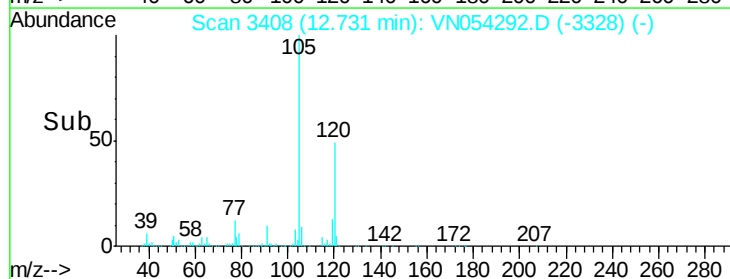
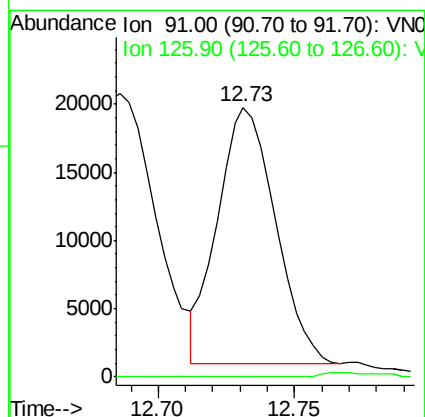
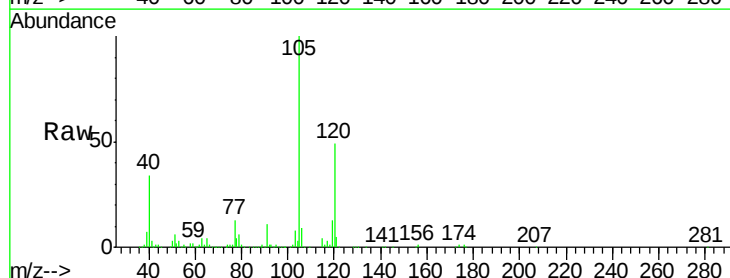
Acq: 15 Mar 2019 5:55

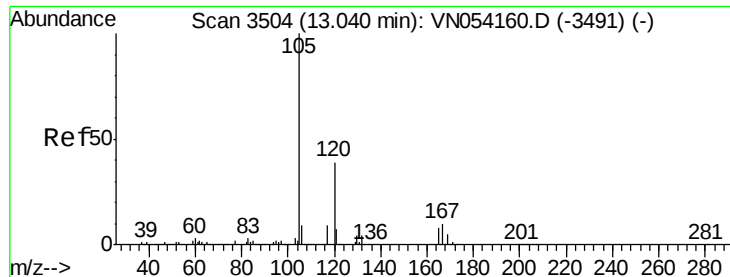
Tgt Ion: 91 Resp: 27570

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 14.423 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

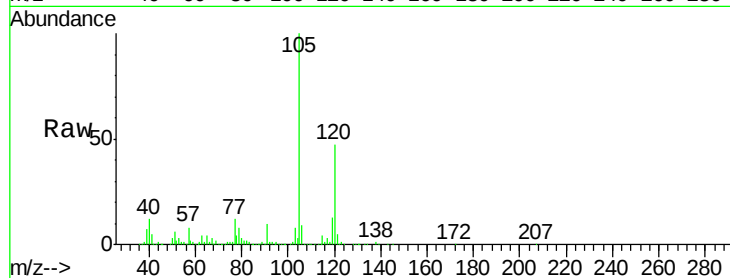
51064

Tot Ion:105 Resp: 941078

Ion Ratio Lower Upper

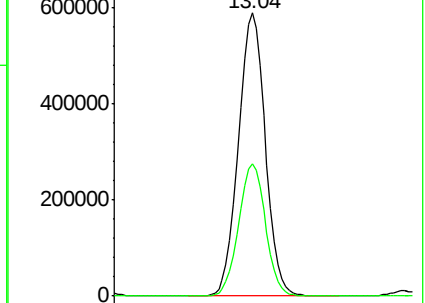
105 100

120 46.7 23.4 70.3

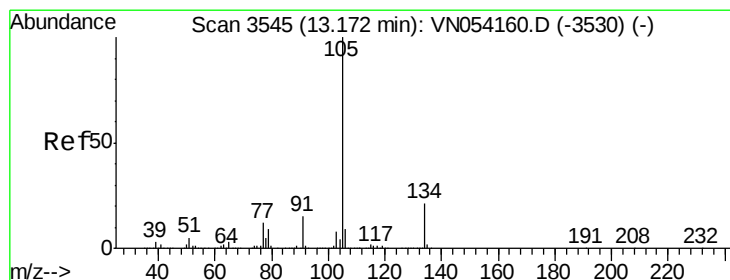
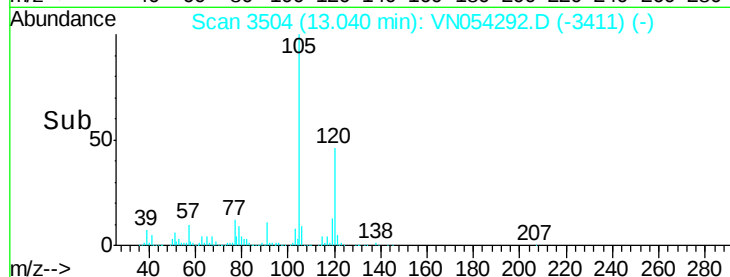


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#85

sec-Butylbenzene

Concen: 11.854 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054292.D

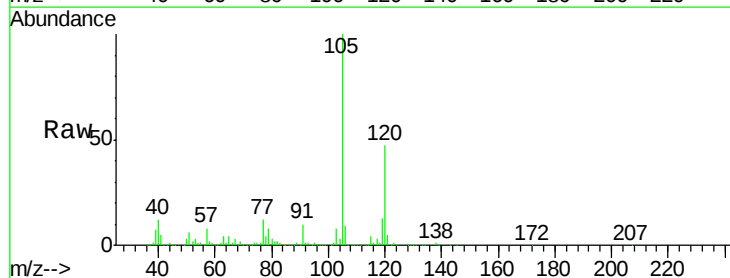
Acq: 15 Mar 2019 5:55

Tgt Ion:105 Resp: 941078

Ion Ratio Lower Upper

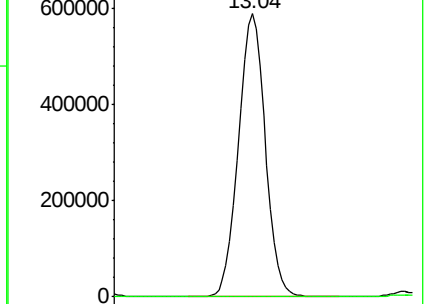
105 100

134 0.1 10.7 32.1#

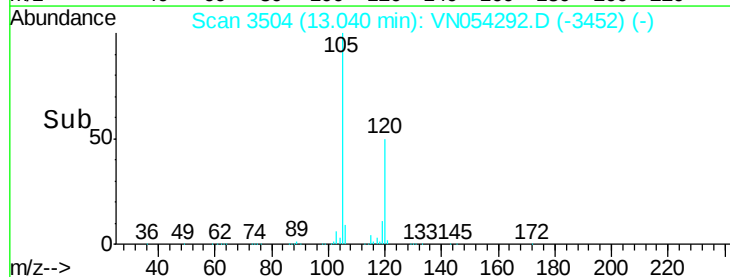


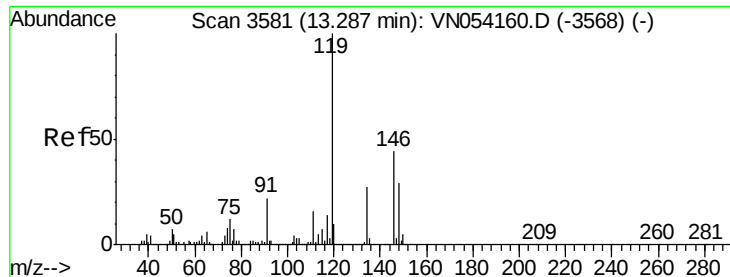
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->

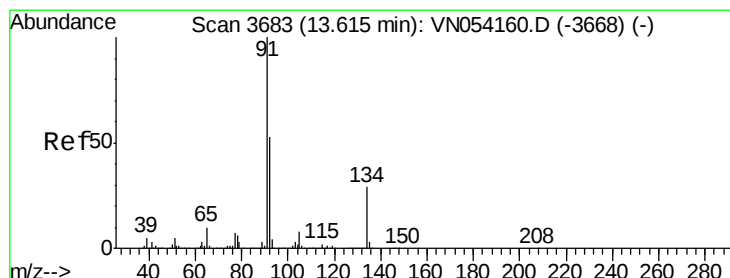
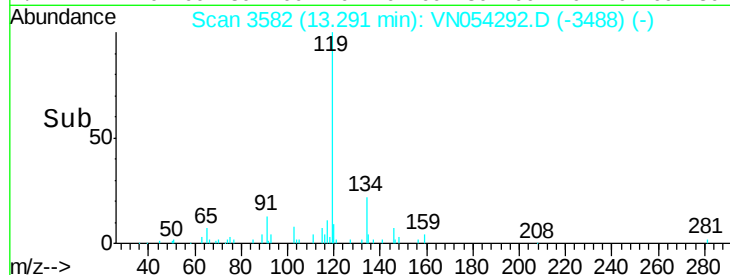
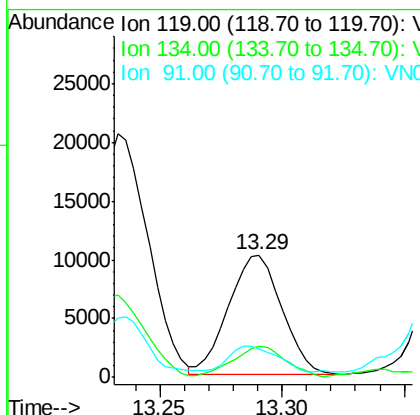
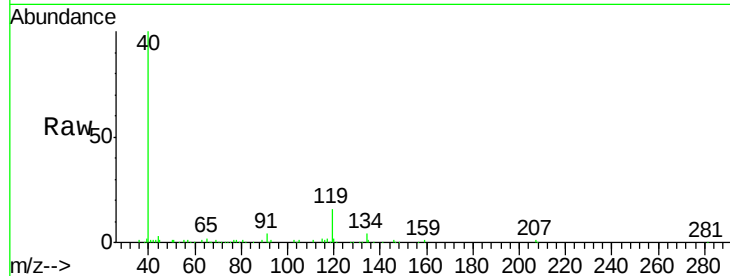




#86
 p-Isopropyltoluene
 Concen: 0.222 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

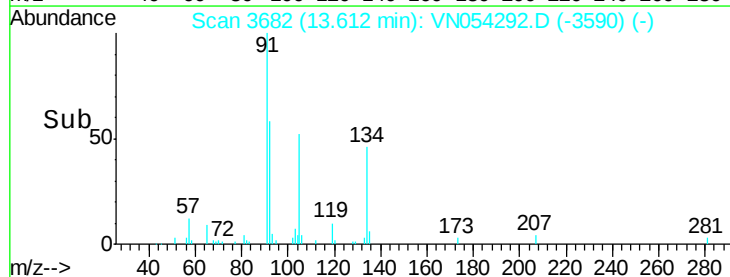
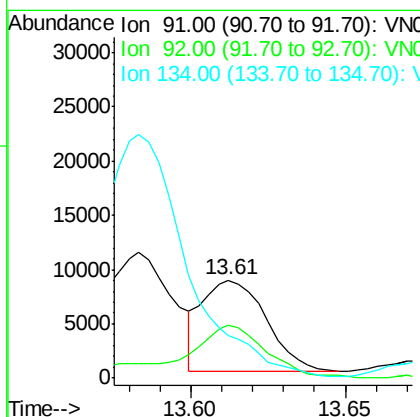
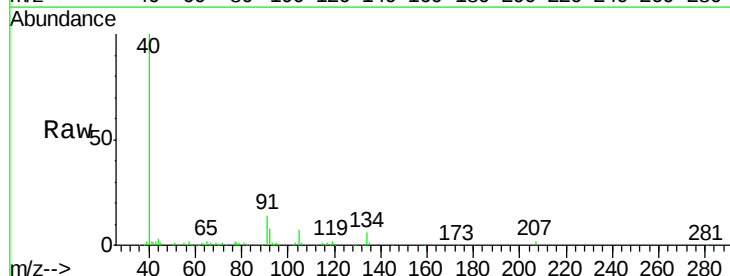
Instrument :
 MSVOA_N
 ClientSampled :
 51064

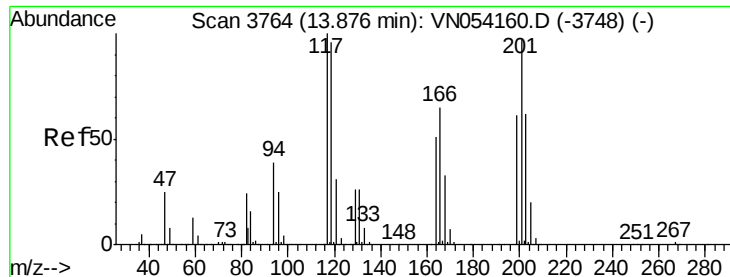
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.6	40.8
91	19.7	11.1	33.3



#89
 n-Butylbenzene
 Concen: 0.226 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.9	26.2	78.6
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 0.742 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

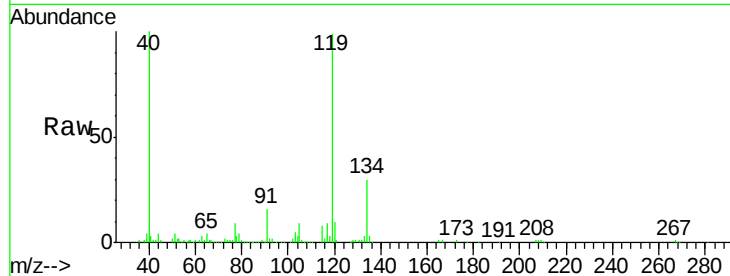
51064

Tot Ion:117 Resp: 8552

Ion Ratio Lower Upper

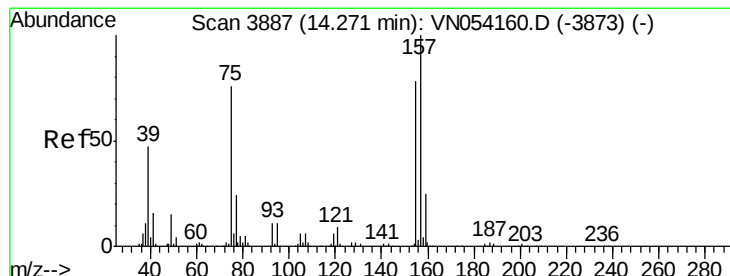
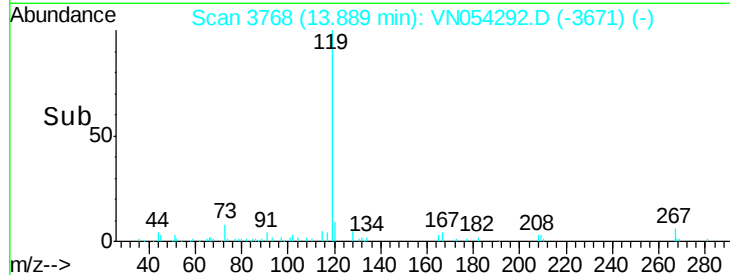
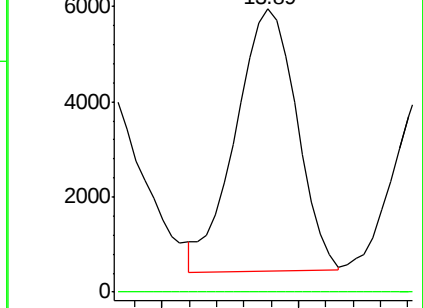
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.751 ug/l

RT: 14.33 min Scan# 3904

Delta R.T. 0.05 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

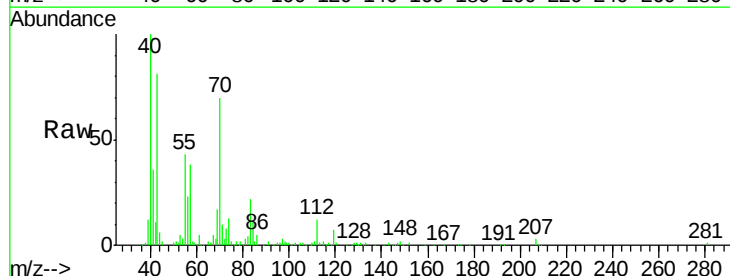
Tgt Ion: 75 Resp: 1980

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

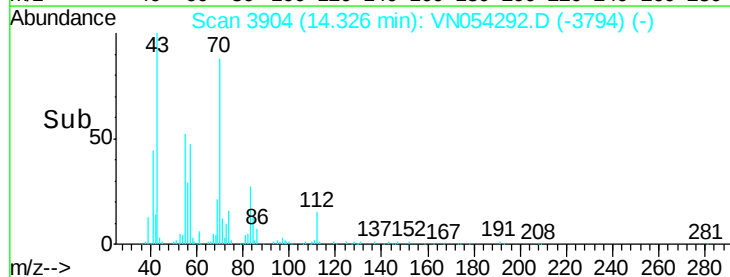
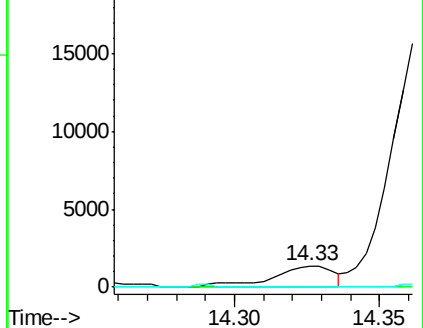
157 0.0 63.1 189.3#

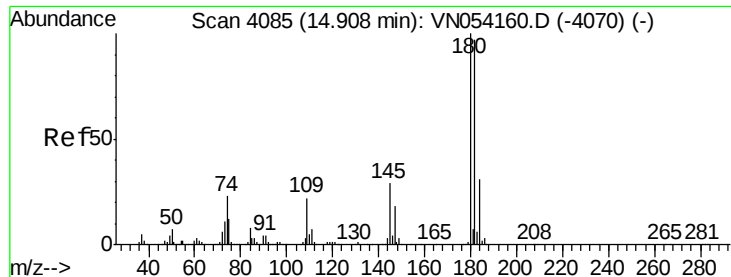


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

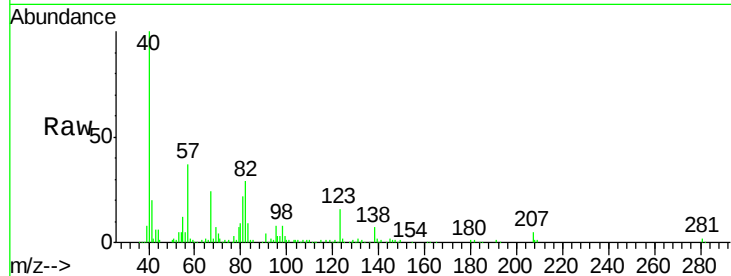




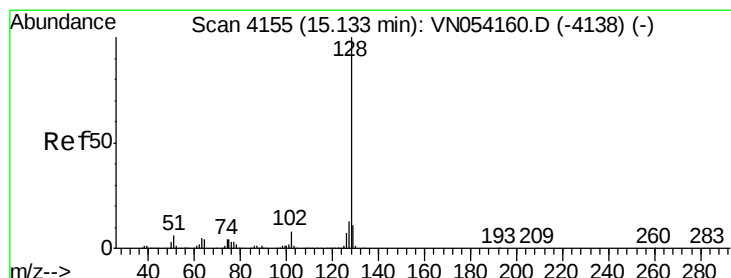
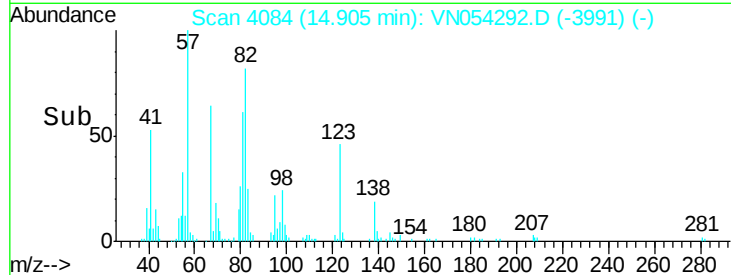
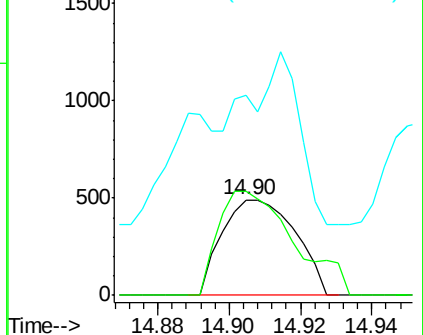
#93
 1,2,4-Trichlorobenzene
 Concen: 2.548 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Instrument :
 MSVOA_N
 ClientSampleId :
 51064

Tot Ion:180 Resp: 697
 Ion Ratio Lower Upper
 180 100
 182 111.9 48.0 144.2
 145 85.9 14.2 42.8#

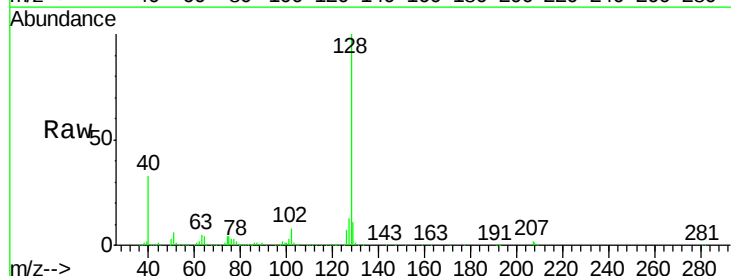


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 11.152 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion:128 Resp: 361853
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.1 15.1
 129 11.1 8.7 13.1



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

