

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054887.D
 Acq On : 1 Apr 2019 20:46
 Operator : JC/SP
 Sample : K2212-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Apr 02 04:25:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	499893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	335989	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	265426	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	10.09	98	1008531	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	322867	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.81	59	1271	3.620	ug/l #	70
13) Acrolein	3.61	56	215	0.685	ug/l #	14
16) Acetone	3.82	43	8677	5.400	ug/l #	78
18) Methyl Acetate	4.33	43	1638	Below Cal	#	74
19) Methyl tert-butyl Ether	5.05	73	9017	0.656	ug/l #	1
20) Methylene Chloride	4.55	84	2000	0.353	ug/l #	90
22) Diisopropyl ether	5.96	45	16269	0.850	ug/l #	84
23) Vinyl Acetate	5.96	43	7278	0.546	ug/l #	70
31) Cyclohexane	7.65	56	27727	0.959	ug/l #	77
36) 1,1-Dichloropropene	7.66	75	37923	4.856	ug/l #	49
38) Carbon Tetrachloride	7.66	117	48265	6.363	ug/l #	17
39) Methylcyclohexane	9.07	83	2872	0.335	ug/l #	88
40) Benzene	8.04	78	234765	10.506	ug/l	98
42) 1,2-Dichloroethane	8.13	62	2865	0.359	ug/l	85
43) Isopropyl Acetate	8.35	43	45851	4.927	ug/l #	60
49) 1,4-Dioxane	9.21	88	371	7.413	ug/l #	1
52) Toluene	10.16	92	30531	2.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.61	63	149	10.406	ug/l #	44
67) Ethyl Benzene	11.51	91	230110	8.950	ug/l	97
68) m/p-Xylenes	11.62	106	100237	10.535	ug/l	96
69) o-Xylene	11.95	106	37191	3.986	ug/l	95
71) Bromoform	12.40	173	2141	0.685	ug/l #	1
73) Isopropylbenzene	12.25	105	21336	0.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.41	83	32	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	169095	35.638	ug/l #	100
78) n-propylbenzene	12.59	91	17510	0.714	ug/l	99
79) 2-Chlorotoluene	12.69	91	3201	0.211	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	30186	1.648	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	169095	138.621	ug/l #	11
82) 4-Chlorotoluene	12.73	91	3114	0.211	ug/l #	39
83) tert-Butylbenzene	13.04	119	15819	Below Cal	#	55
84) 1,2,4-Trimethylbenzene	13.04	105	128518	7.364	ug/l	97
85) sec-Butylbenzene	13.04	105	128518	6.459	ug/l #	55
90) Hexachloroethane	13.88	117	644	0.216	ug/l #	2

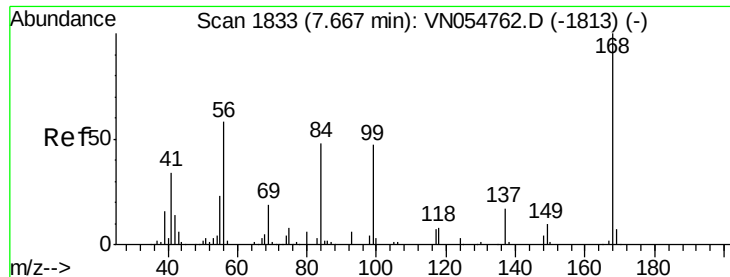
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	24489	2.488	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

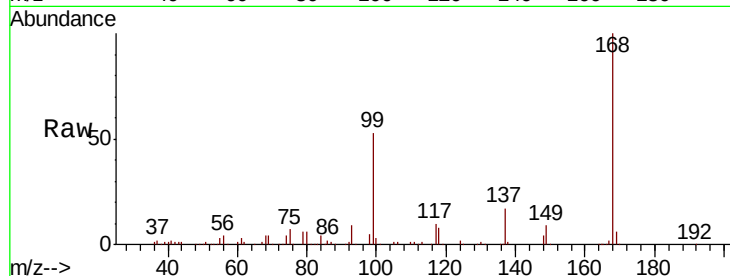
MW-4

Tot Ion:168 Resp: 499893

Ion Ratio Lower Upper

168 100

99 53.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

200000

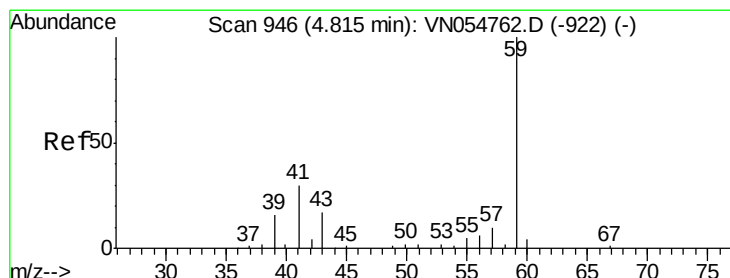
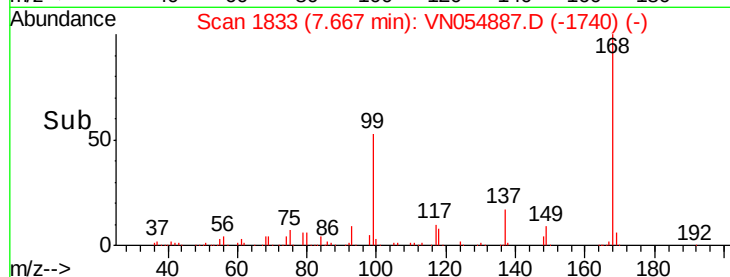
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.620 ug/l

RT: 4.81 min Scan# 943

Delta R.T. -0.01 min

Lab File: VN054887.D

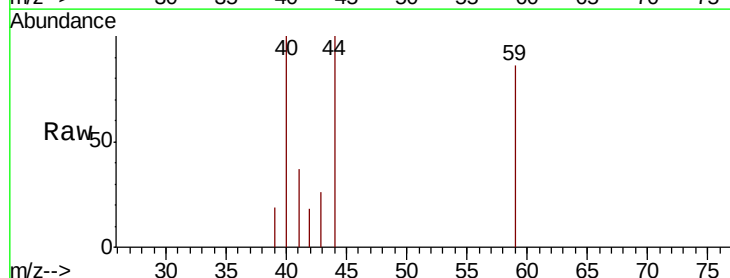
Acq: 1 Apr 2019 20:46

Tgt Ion: 59 Resp: 1271

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN054762.D (-922) (-)

Ion 57.00 (56.70 to 57.70): VN054762.D (-922) (-)

4.81

1000

800

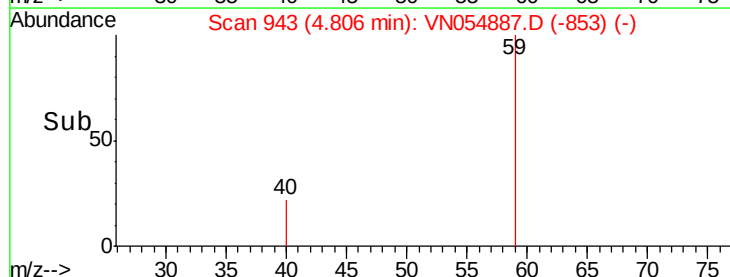
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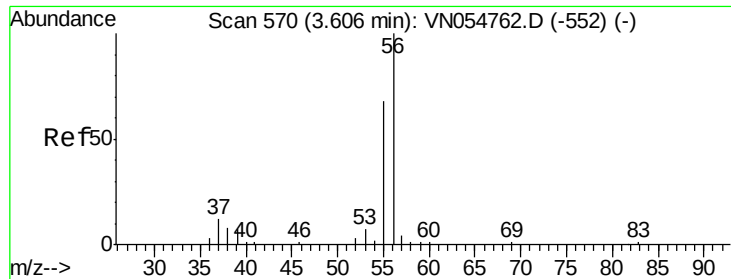
400

200

0

Time-->





#13

Acrolein

Concen: 0.685 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

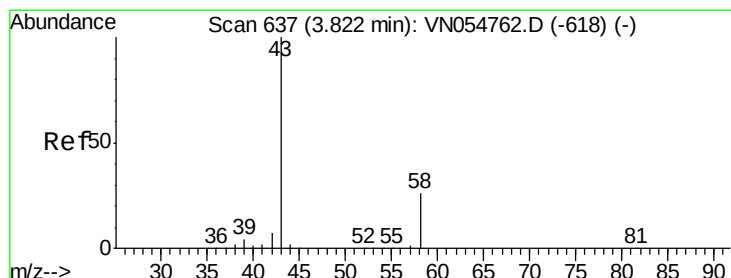
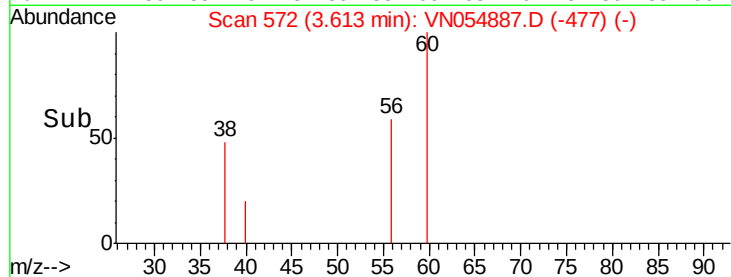
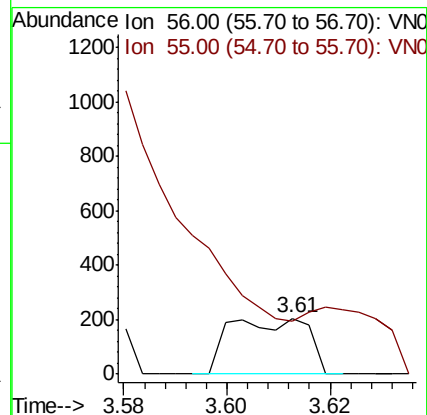
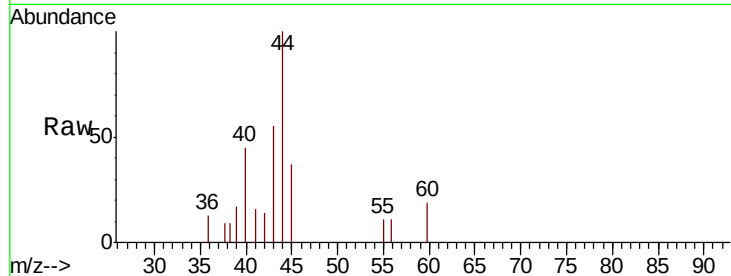
MW-4

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 5.400 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054887.D

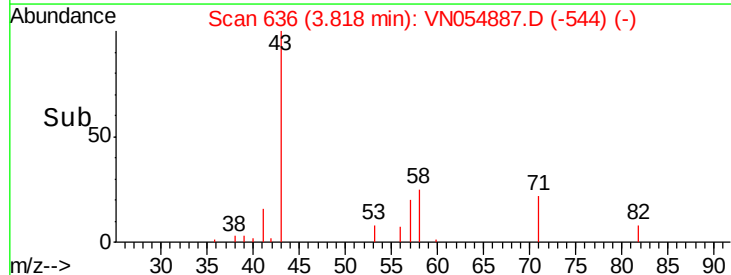
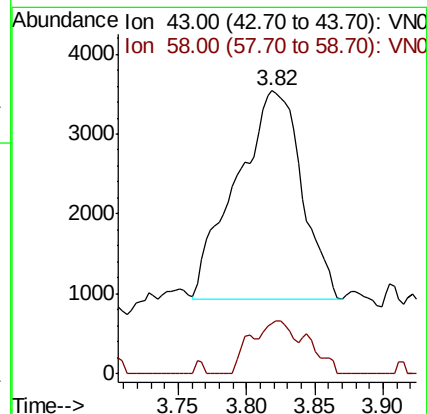
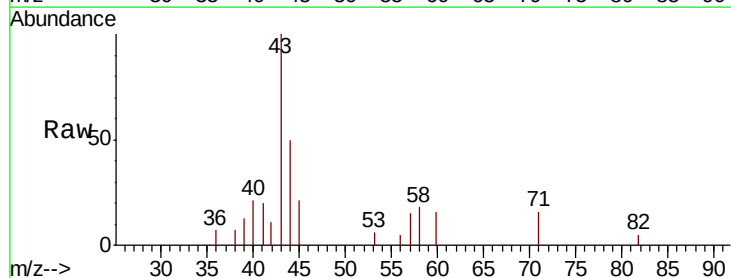
Acq: 1 Apr 2019 20:46

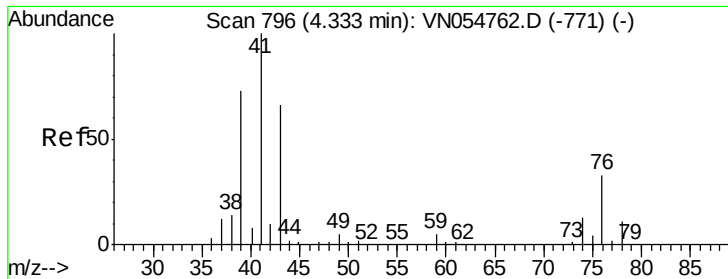
Tgt Ion: 43 Resp: 8677

Ion Ratio Lower Upper

43 100

58 24.5 29.9 44.9#

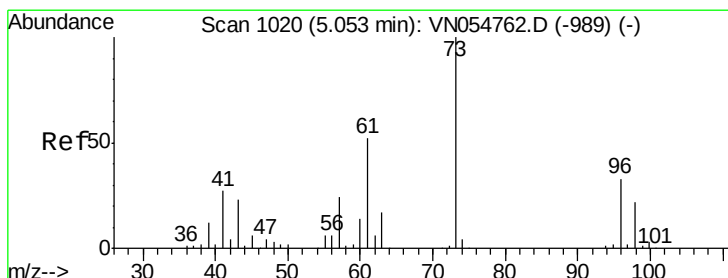
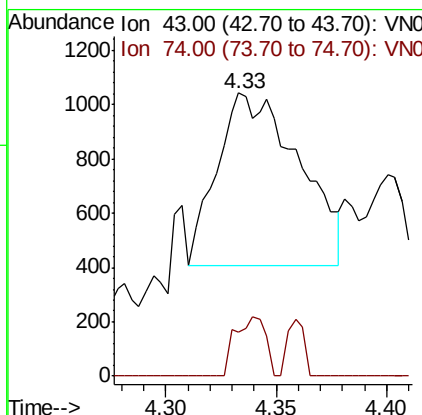
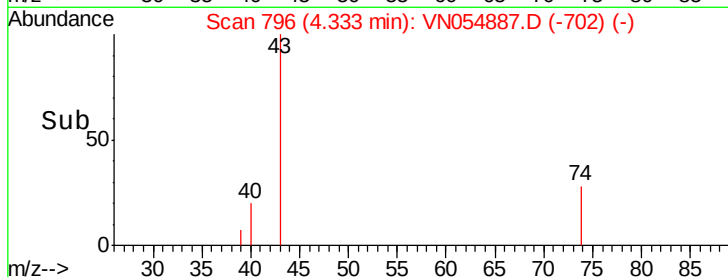
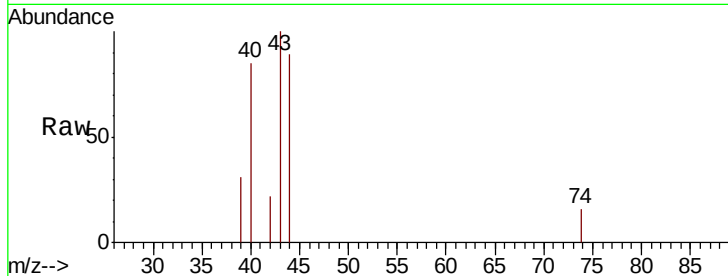




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

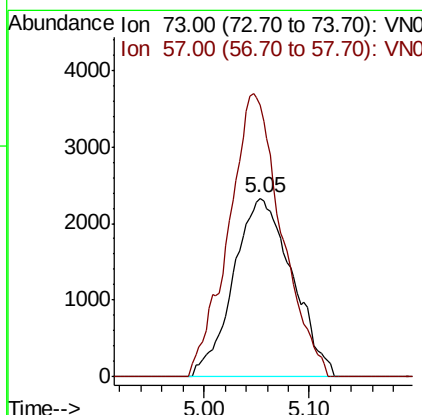
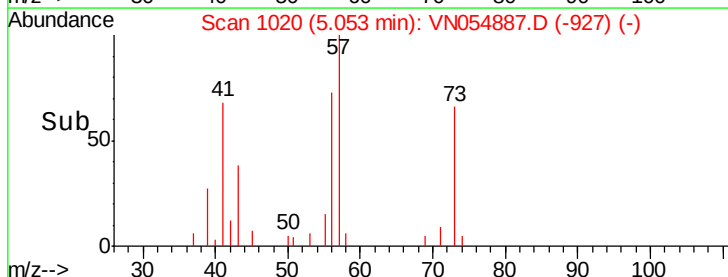
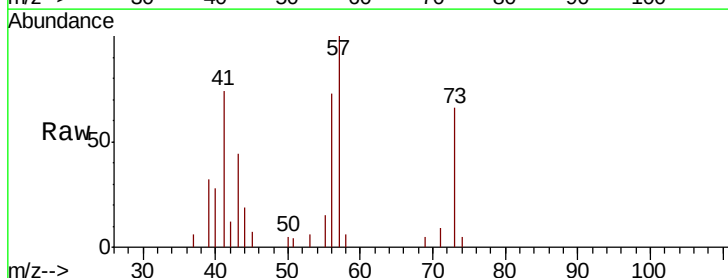
Instrument :
MSVOA_N
ClientSampled :
MW-4

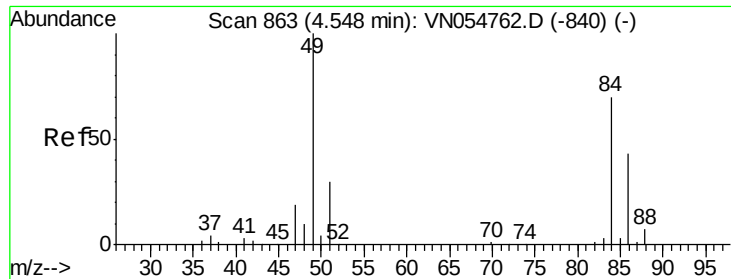
Tot Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
74 12.8 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 0.656 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 73 Resp: 9017
Ion Ratio Lower Upper
73 100
57 152.0 16.8 25.2#

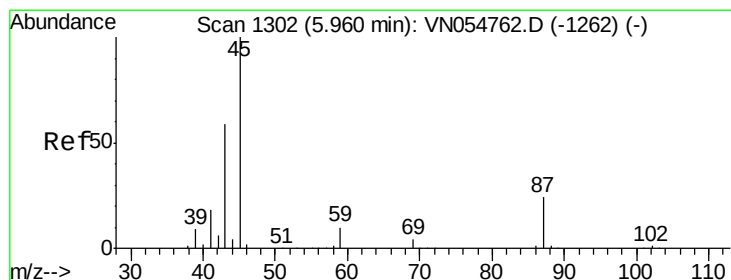
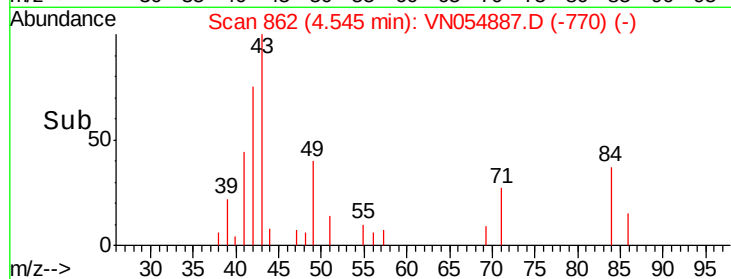
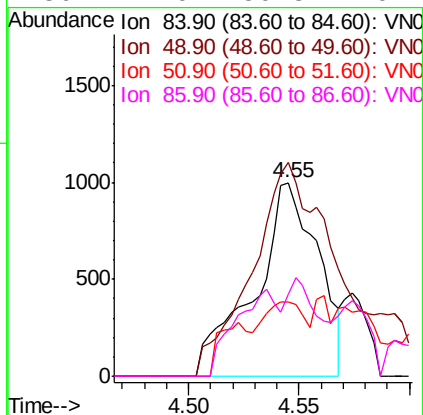
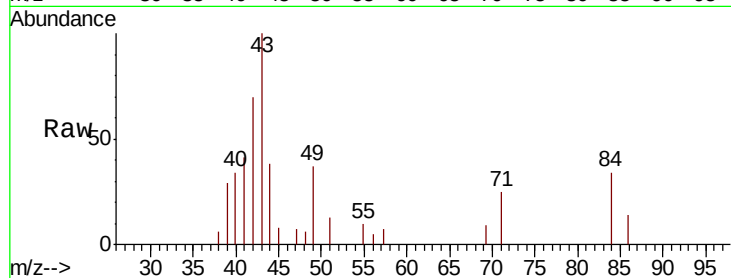




#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

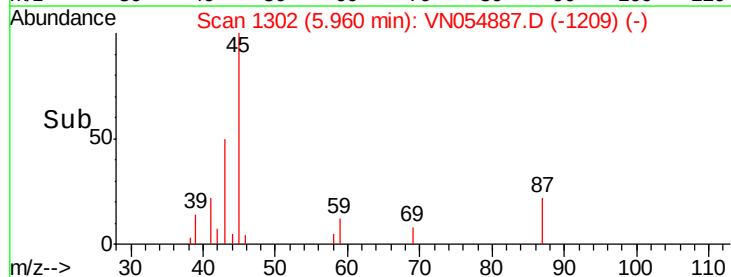
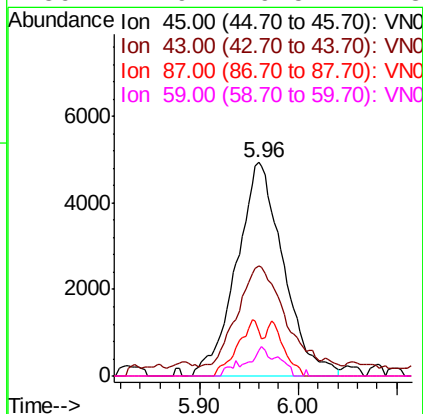
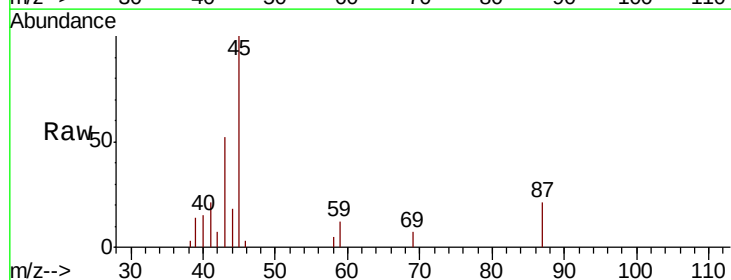
Instrument :
MSVOA_N
ClientSampleId :
MW-4

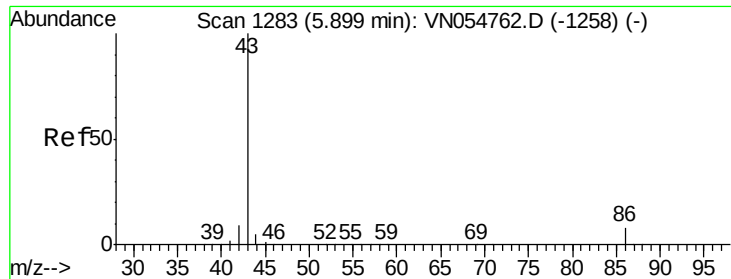
Tot Ion: 84 Resp: 2000
Ion Ratio Lower Upper
84 100
49 110.2 89.7 134.5
51 38.6 28.2 42.4
86 42.0 50.8 76.2#



#22
Diisopropyl ether
Concen: 0.850 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 45 Resp: 16269
Ion Ratio Lower Upper
45 100
43 46.1 48.2 72.2#
87 20.9 24.9 37.3#
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 0.546 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.06 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

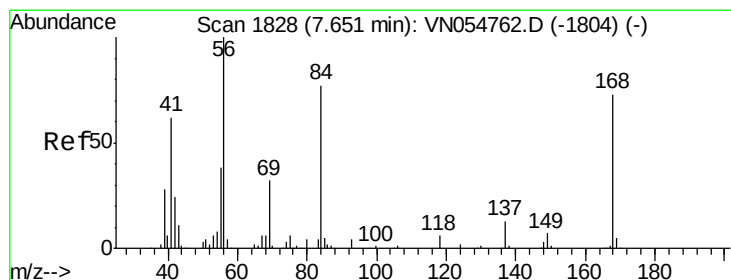
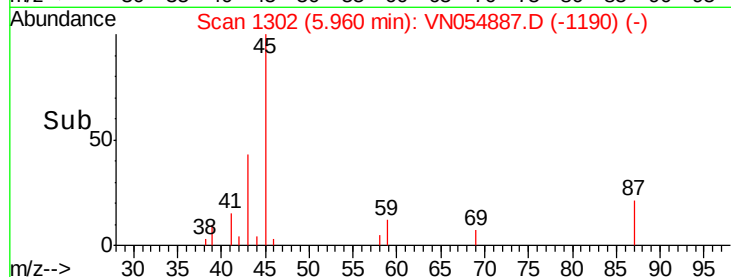
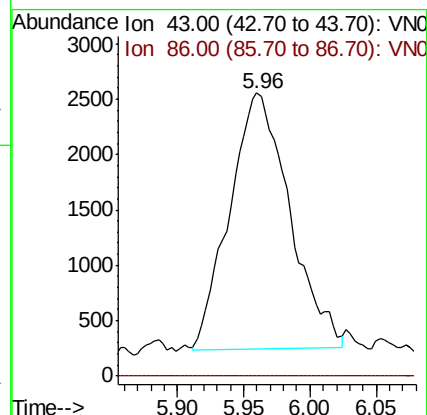
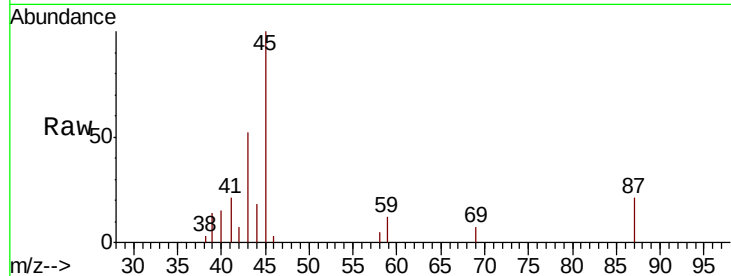
MW-4

Tot Ion: 43 Resp: 7278

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

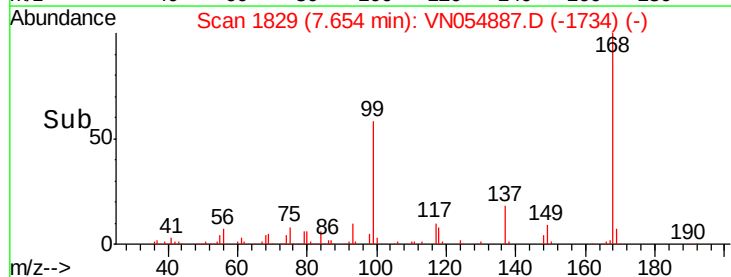
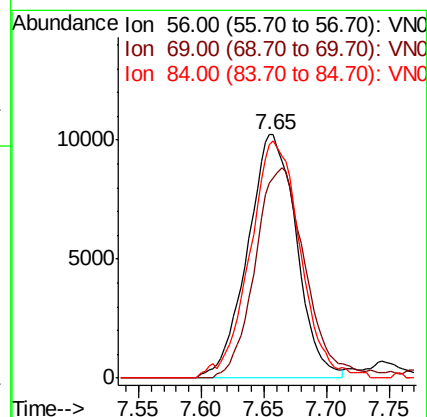
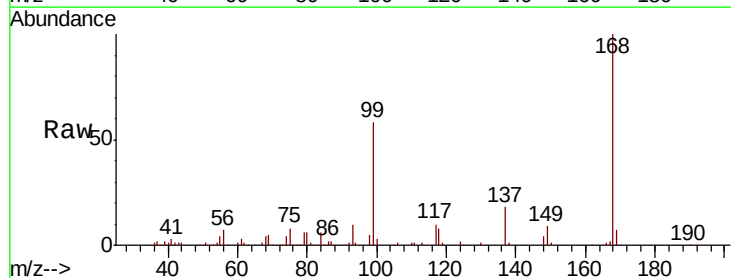
Tgt Ion: 56 Resp: 27727

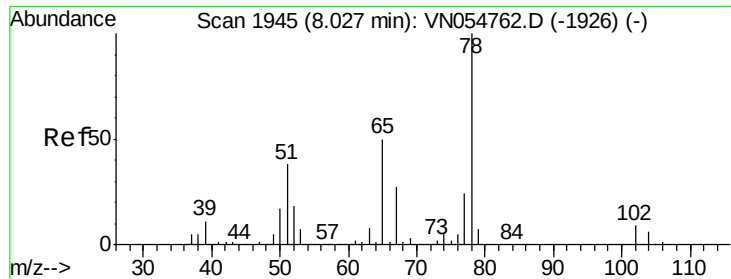
Ion Ratio Lower Upper

56 100

69 80.0 27.8 41.6#

84 96.1 74.6 111.8

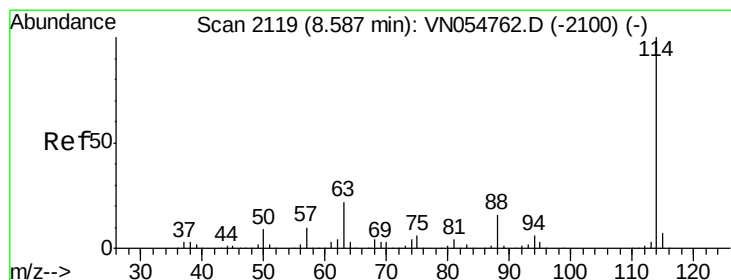
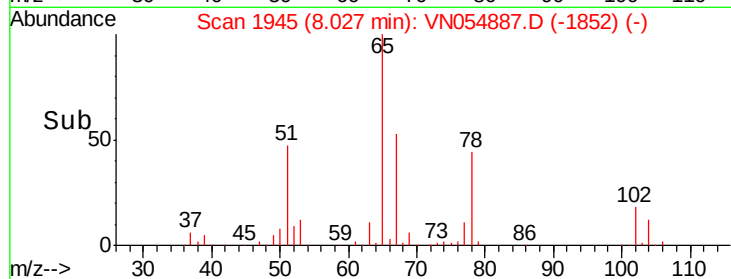
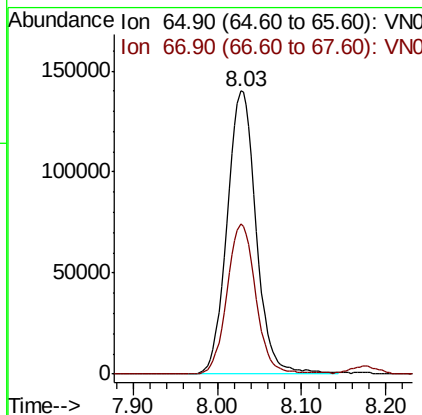
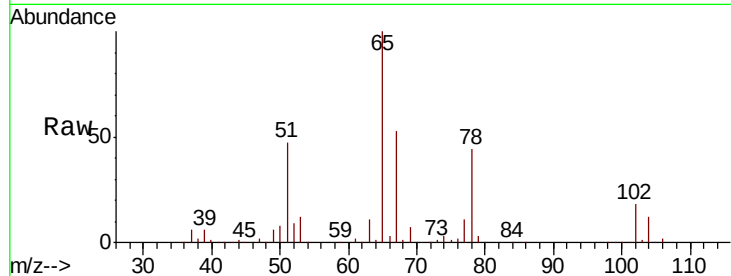




#33
 1,2-Dichloroethane-d4
 Concen: 49.860 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

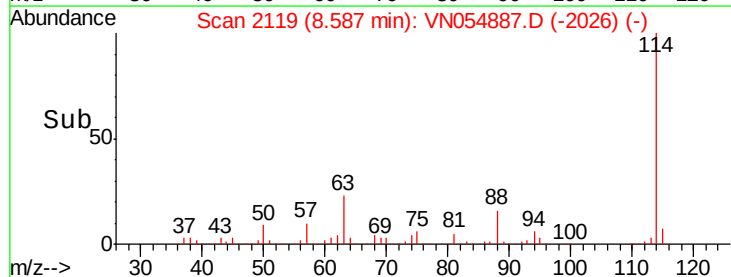
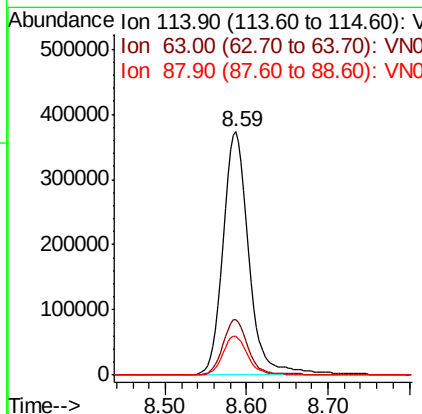
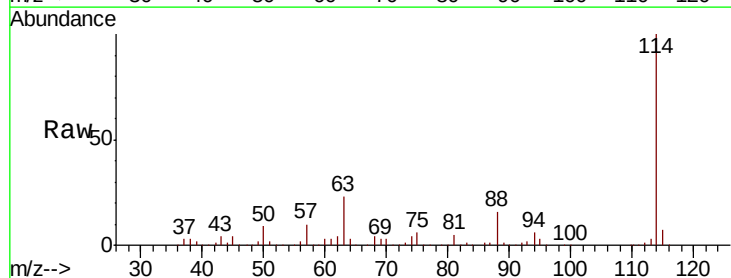
Instrument :
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 MW-4

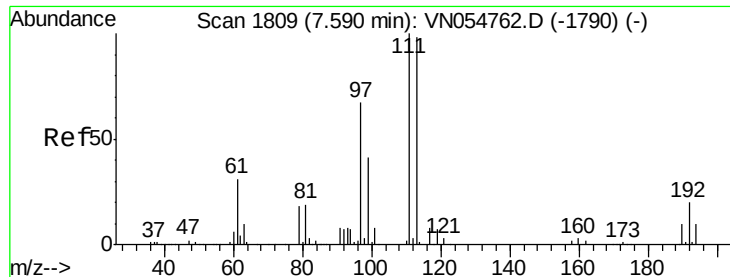
Tot Ion: 65 Resp: 335989
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Tgt Ion: 114 Resp: 838079
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 35.2
 88 16.0 0.0 30.2

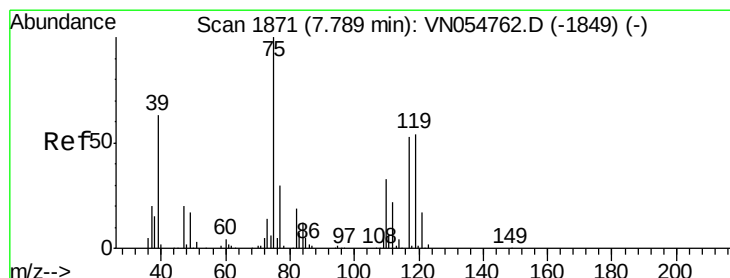
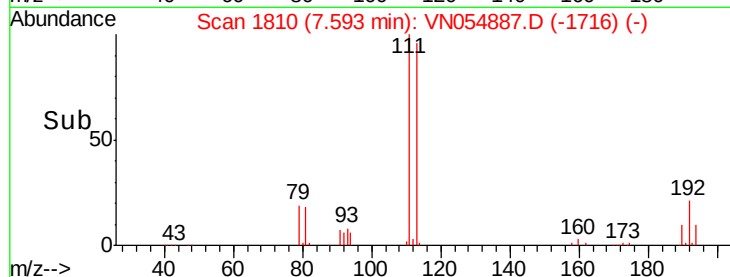
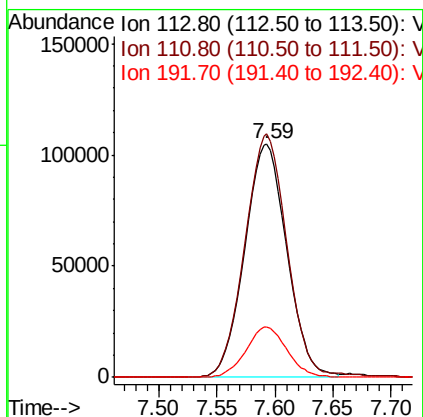
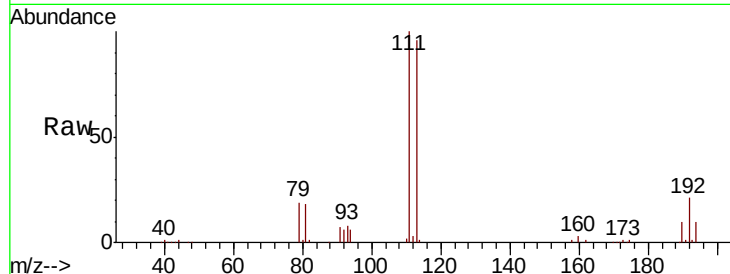




#35
 Dibromofluoromethane
 Concen: 47.504 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

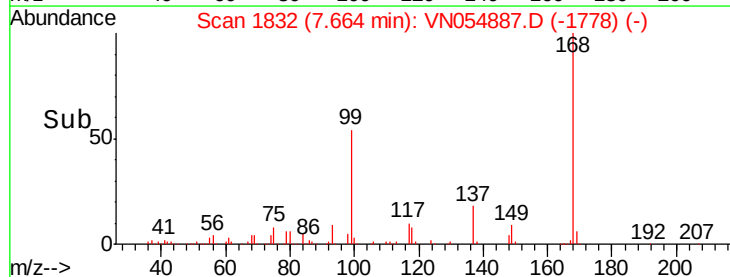
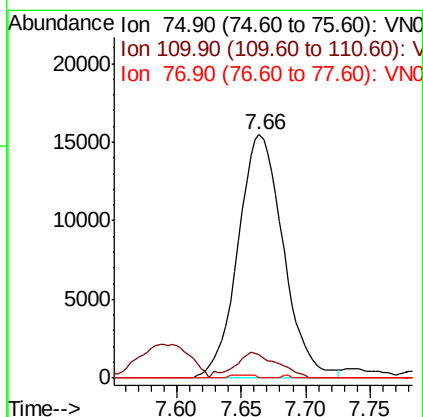
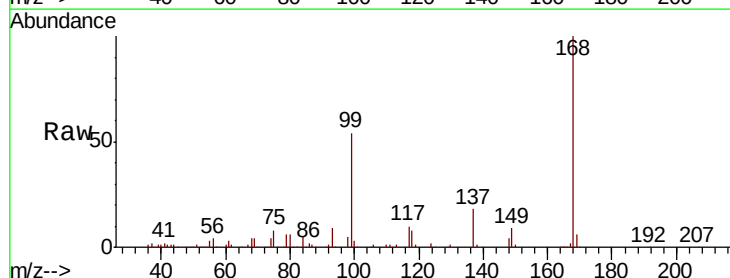
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

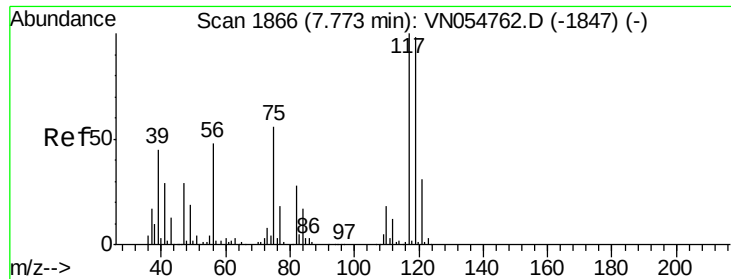
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	21.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.1	57.5#
77	0.0	25.0	37.4#

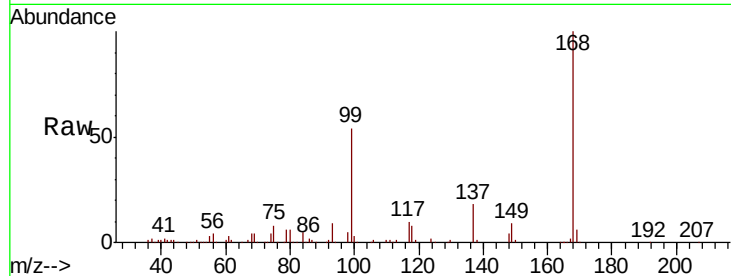




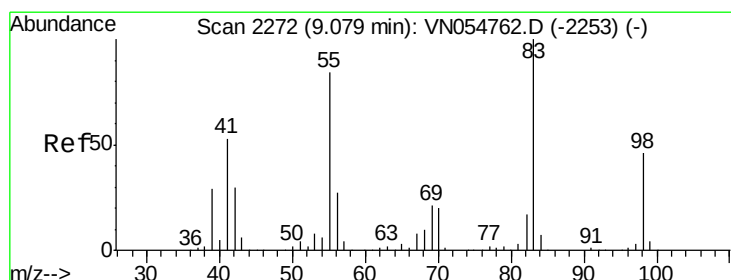
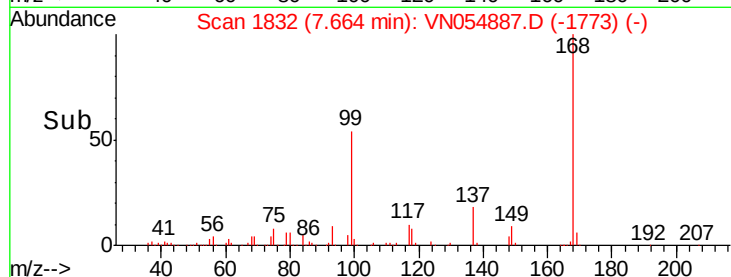
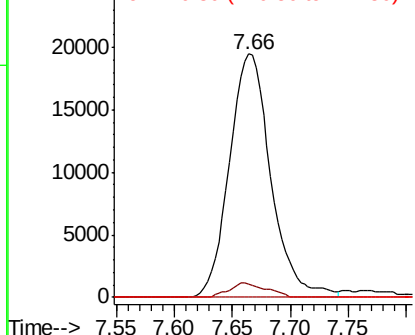
#38
Carbon Tetrachloride
Concen: 6.363 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:117 Resp: 48265
Ion Ratio Lower Upper
117 100
119 5.6 76.3 114.5#
121 0.0 24.6 36.8#

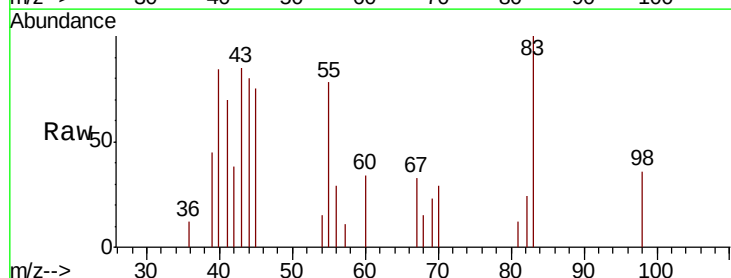


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

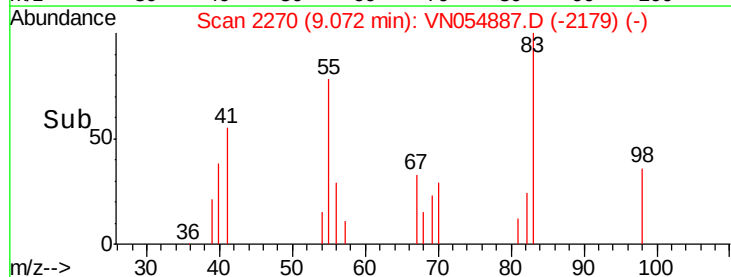
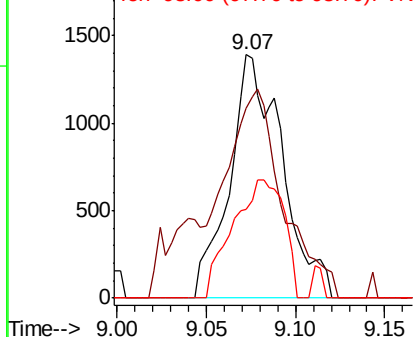


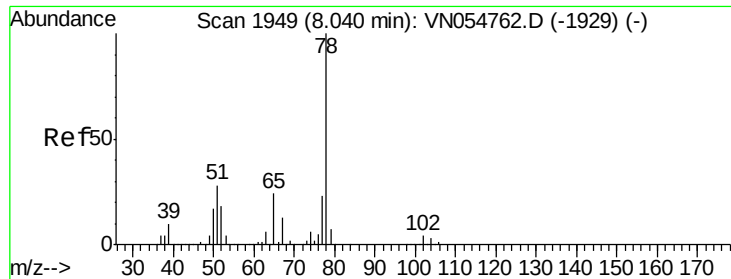
#39
Methylcyclohexane
Concen: 0.335 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 83 Resp: 2872
Ion Ratio Lower Upper
83 100
55 78.2 56.6 84.8
98 36.2 38.4 57.6#



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 10.506 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

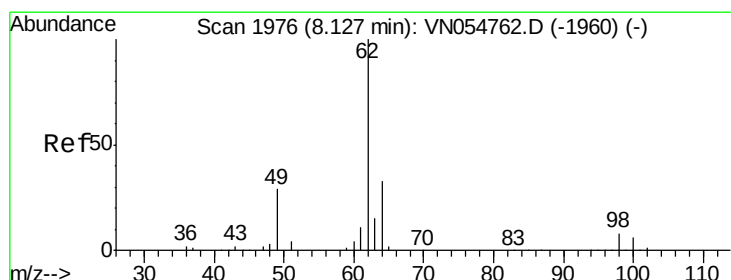
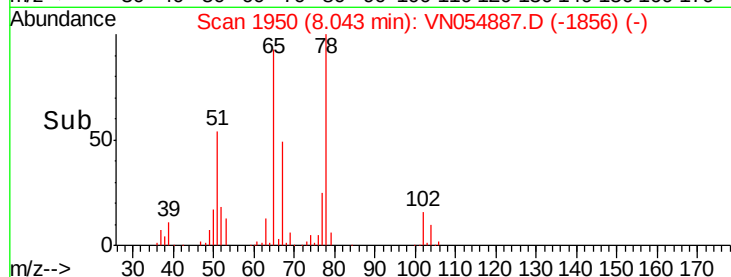
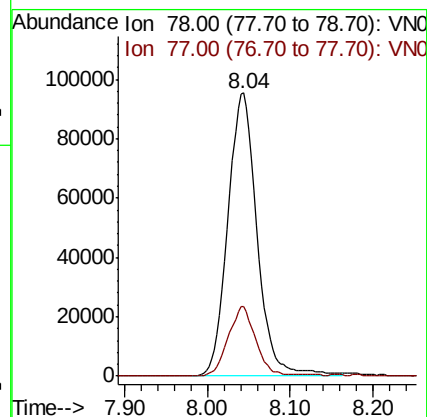
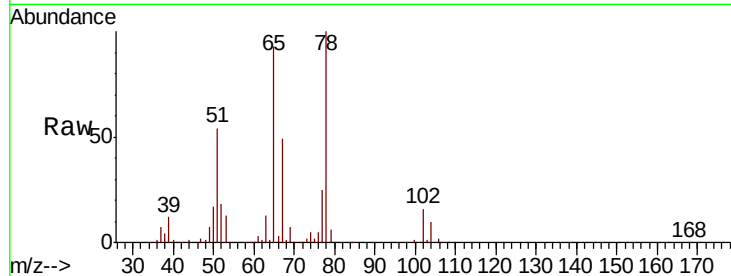
MW-4

Tot Ion: 78 Resp: 234765

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7



#42

1,2-Dichloroethane

Concen: 0.359 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054887.D

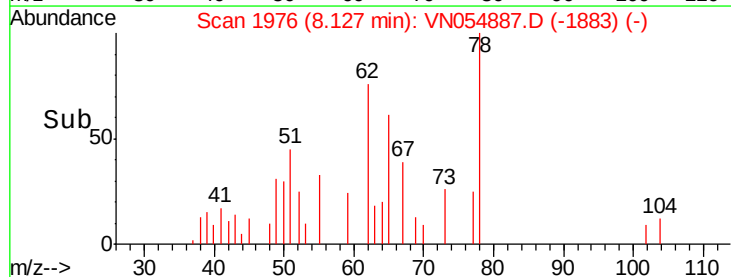
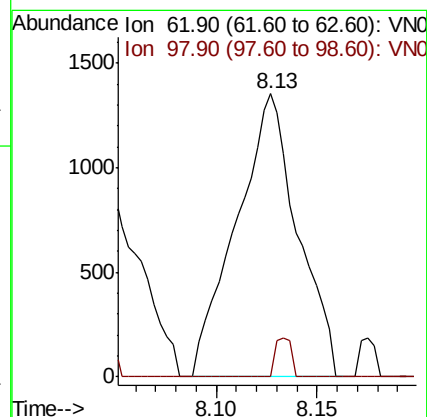
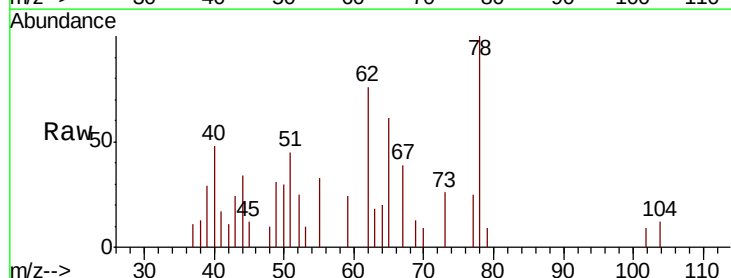
Acq: 1 Apr 2019 20:46

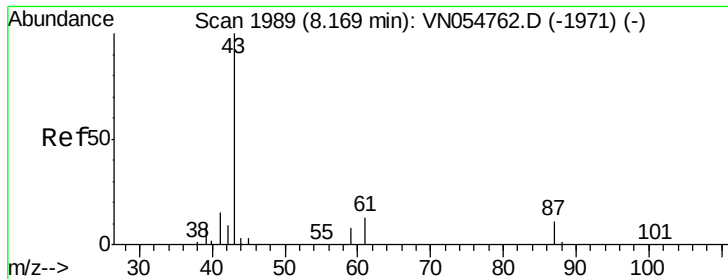
Tgt Ion: 62 Resp: 2865

Ion Ratio Lower Upper

62 100

98 3.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 4.927 ug/l

RT: 8.35 min Scan# 2046

Delta R.T. 0.18 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

MW-4

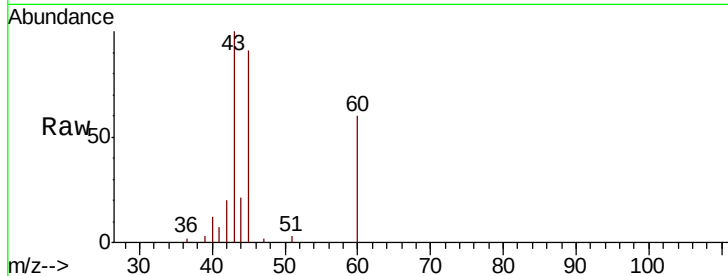
Tot Ion: 43 Resp: 45851

Ion Ratio Lower Upper

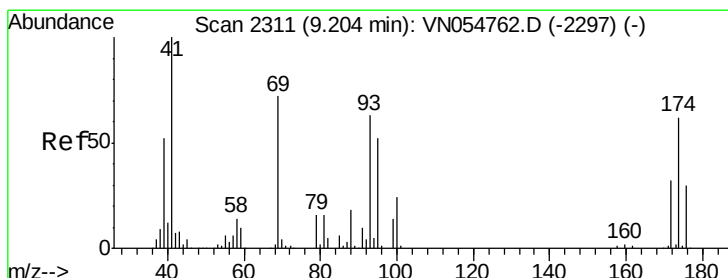
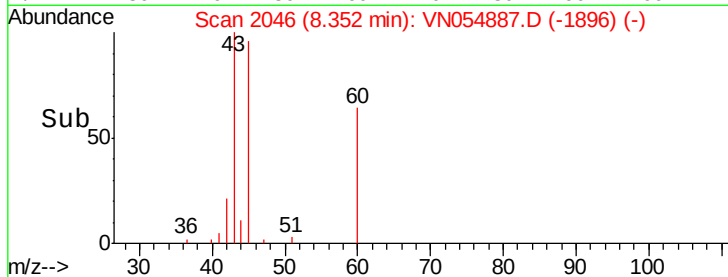
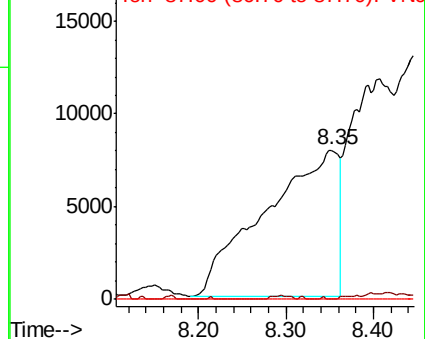
43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 7.413 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

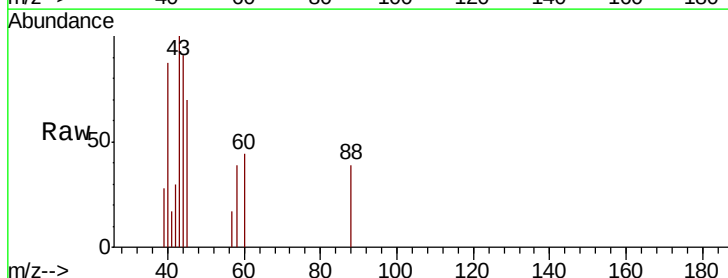
Tgt Ion: 88 Resp: 371

Ion Ratio Lower Upper

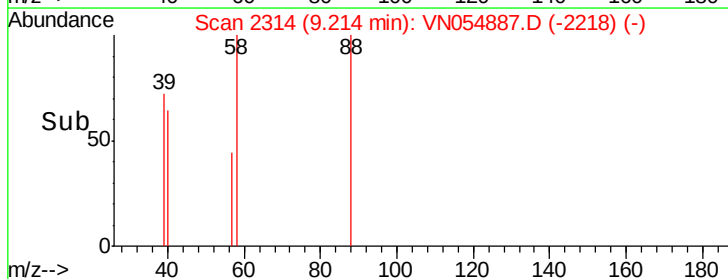
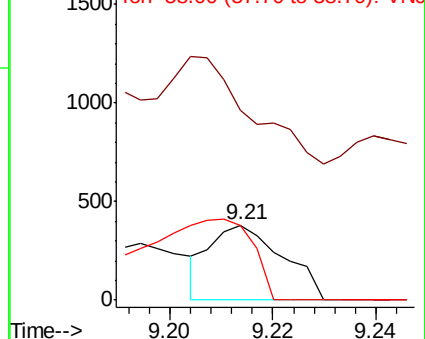
88 100

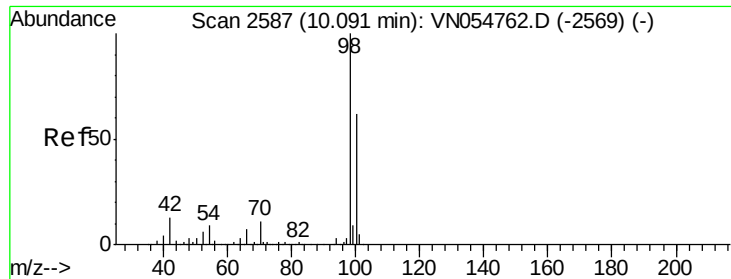
43 148.0 24.1 36.1#

58 163.1 50.8 76.2#



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





#50

Toluene-d8

Concen: 48.551 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

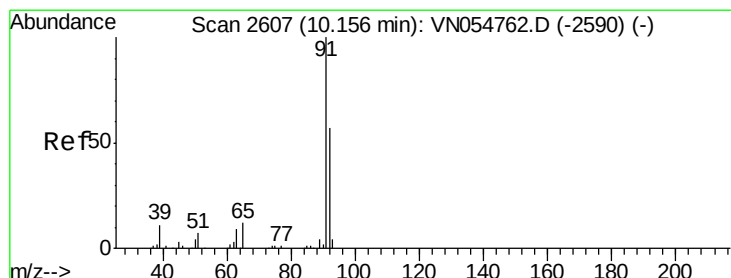
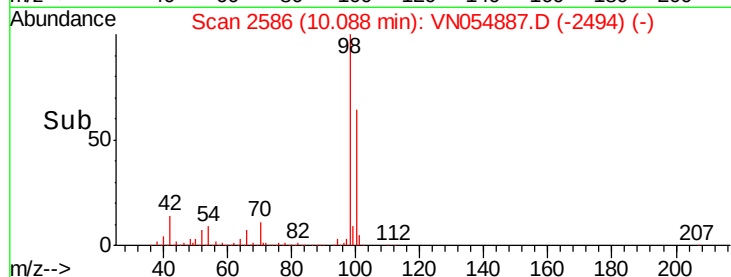
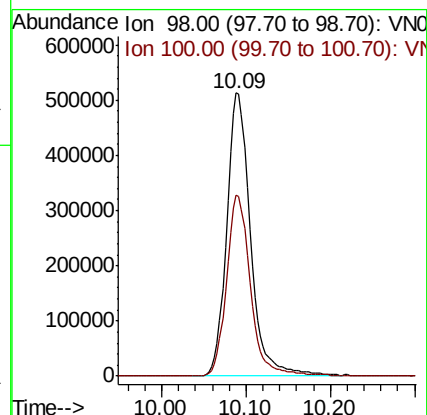
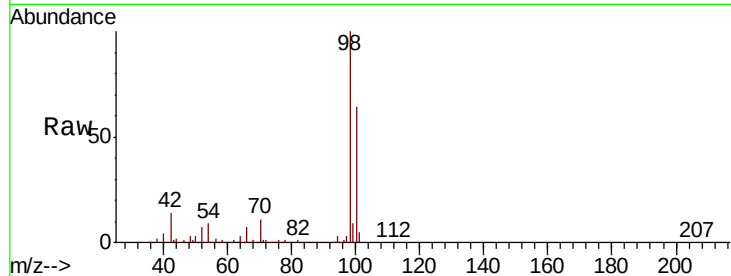
MW-4

Tot Ion: 98 Resp: 1008531

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



#52

Toluene

Concen: 2.296 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054887.D

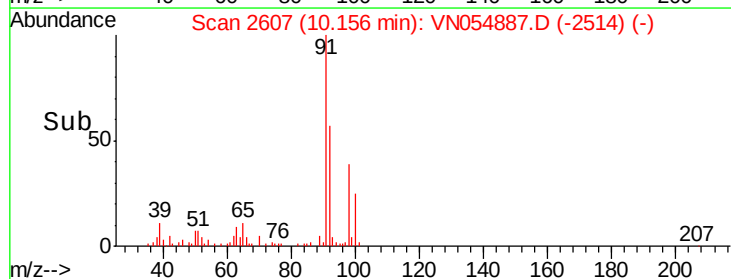
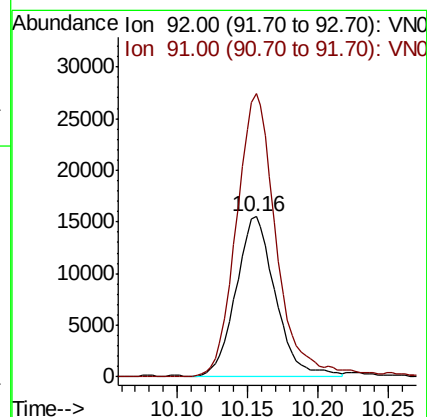
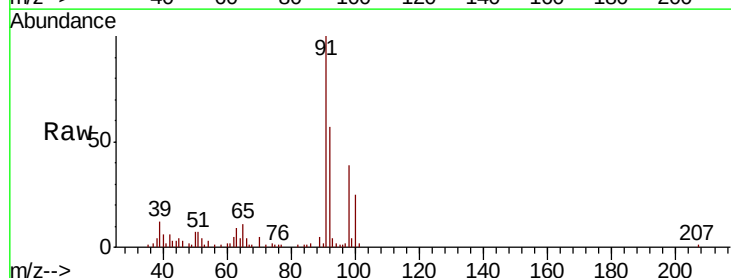
Acq: 1 Apr 2019 20:46

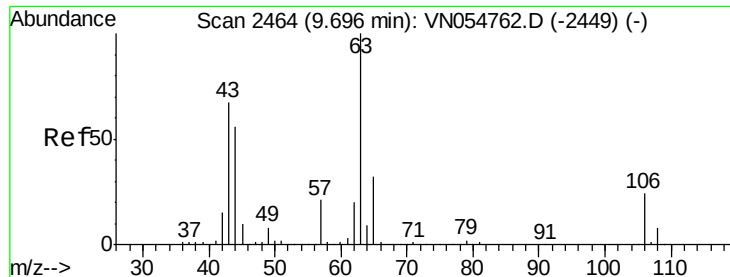
Tgt Ion: 92 Resp: 30531

Ion Ratio Lower Upper

92 100

91 175.6 140.7 211.1

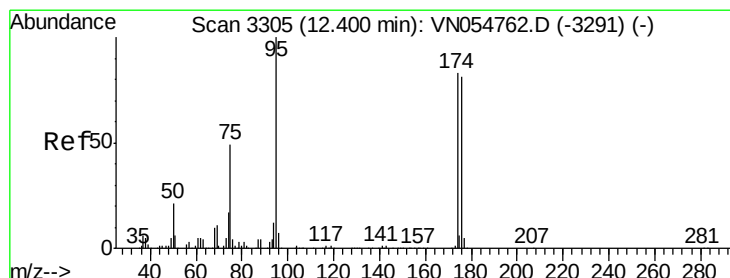
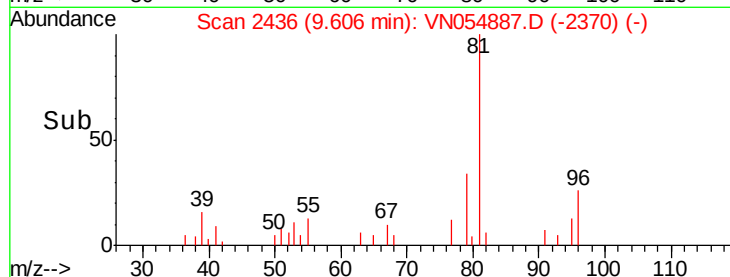
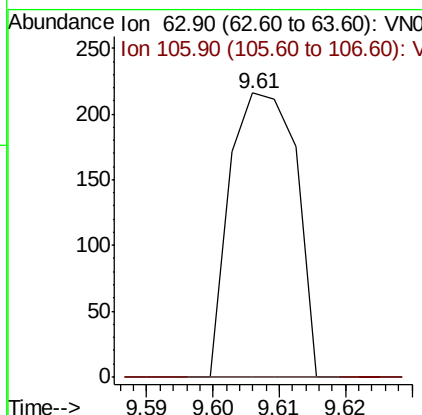
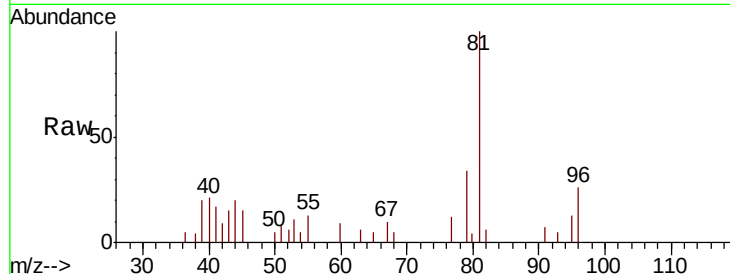




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.406 ug/l
 RT: 9.61 min Scan# 2436
 Delta R.T. -0.09 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

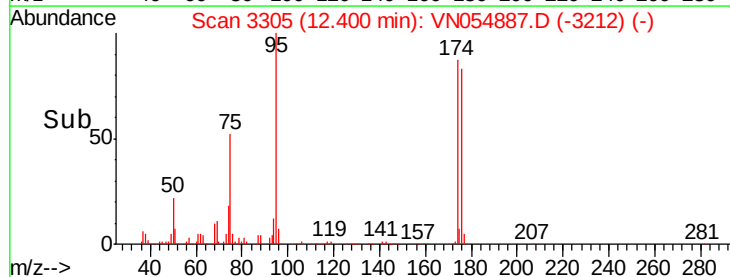
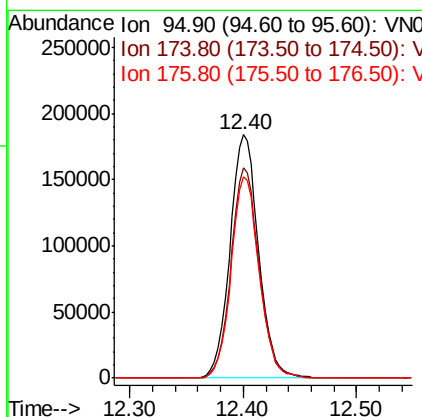
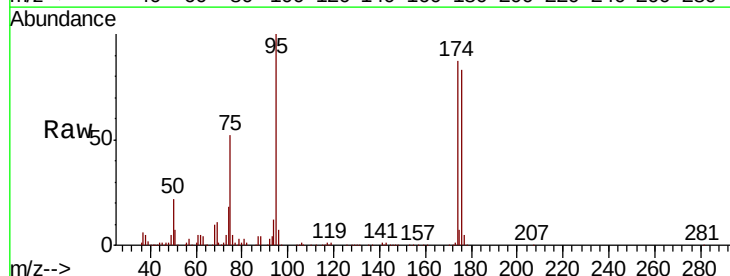
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

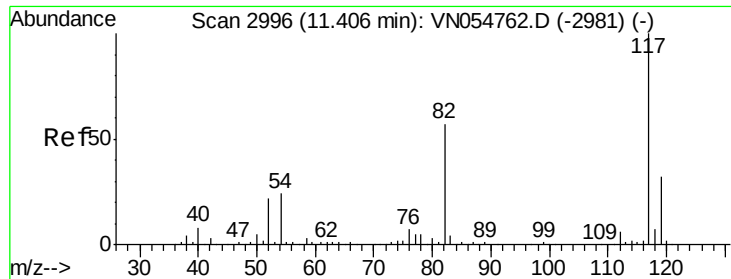
Tot Ion: 63 Resp: 149
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 46.735 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Tgt Ion: 95 Resp: 322867
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 191.0
 176 81.3 0.0 187.4

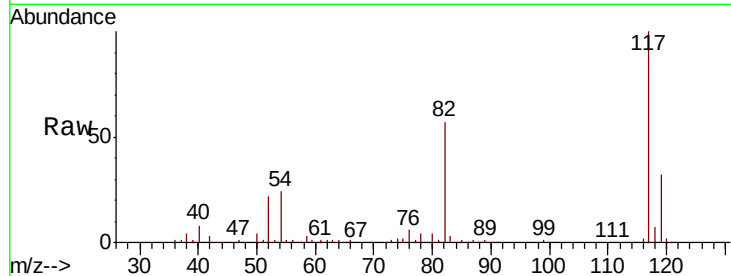




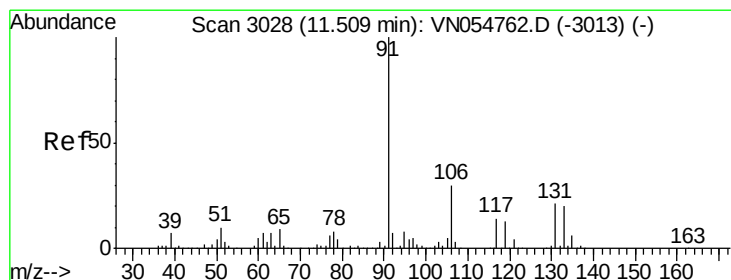
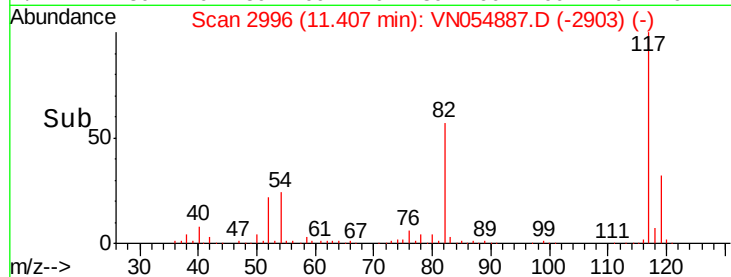
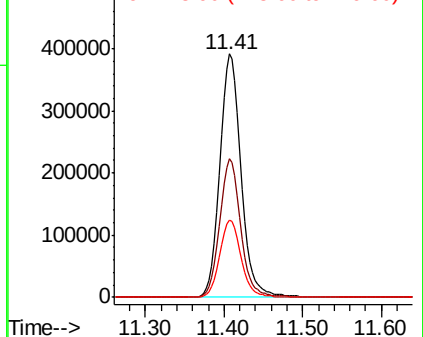
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:117 Resp: 727731
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 31.8 25.8 38.6

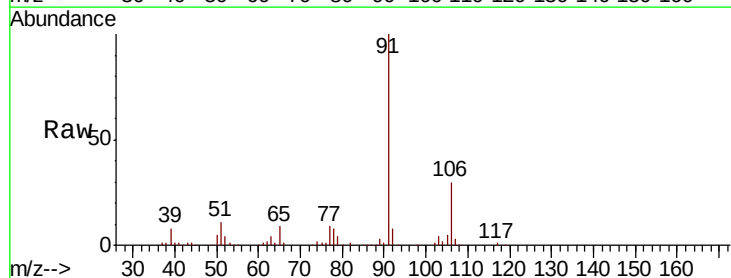


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

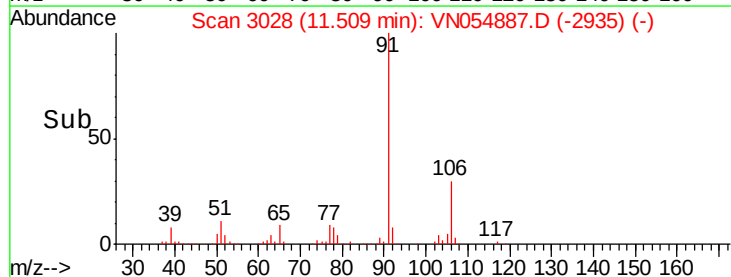
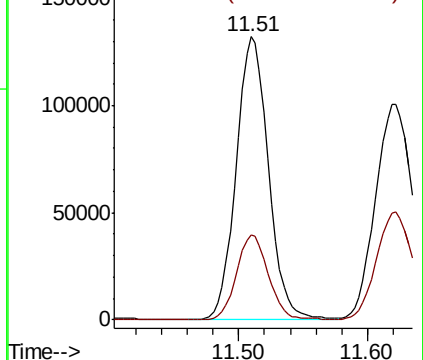


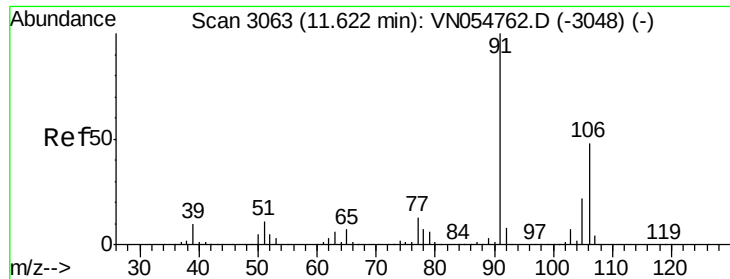
#67
Ethyl Benzene
Concen: 8.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 91 Resp: 230110
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3



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

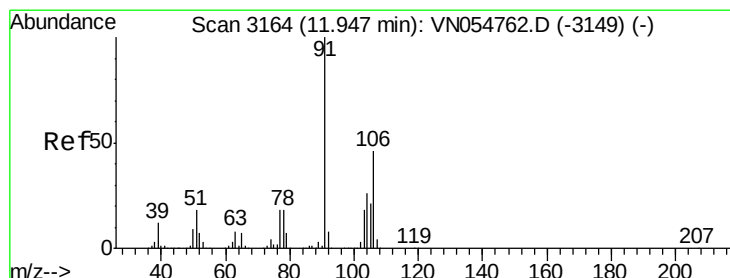
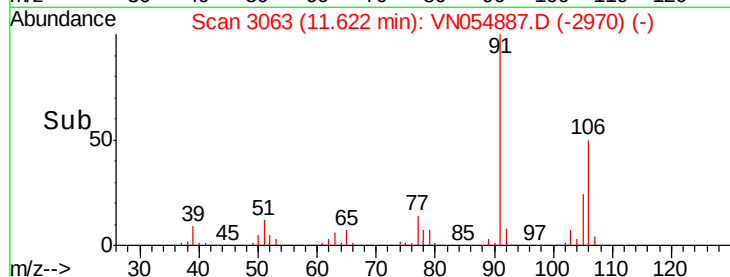
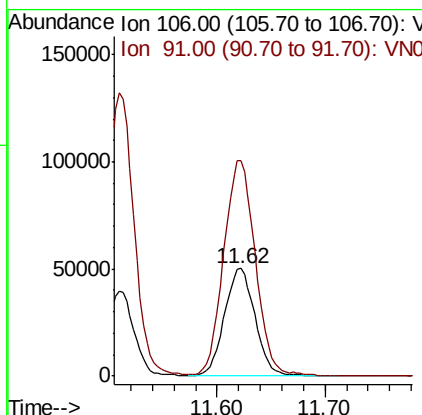
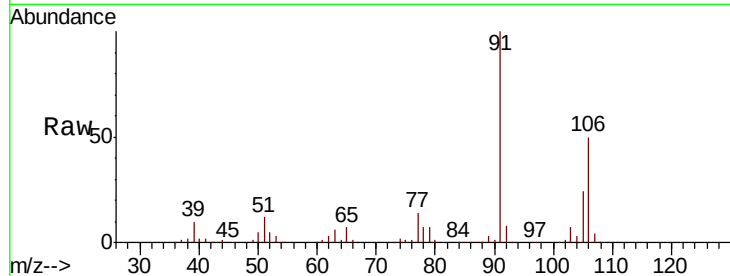




#68
m/p-Xylenes
Concen: 10.535 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

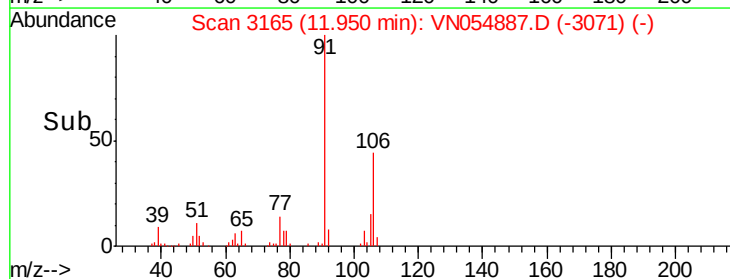
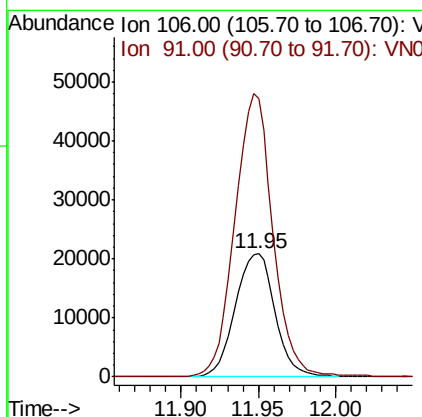
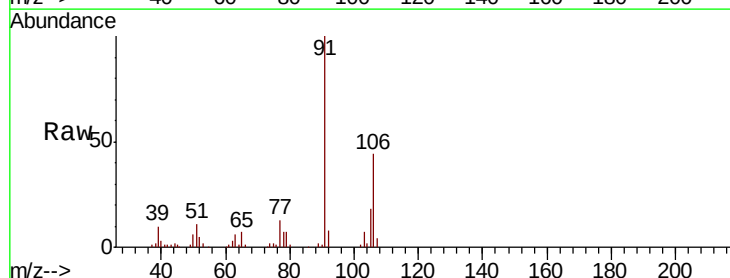
Instrument :
MSVOA_N
ClientSampled :
MW-4

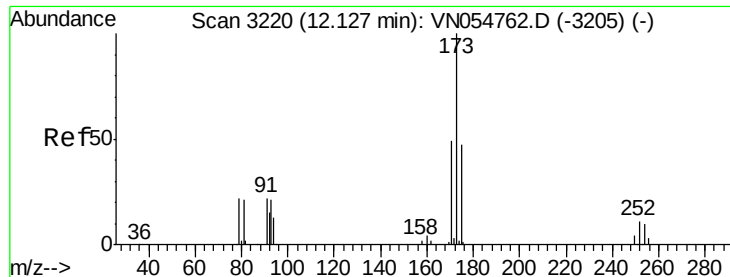
Tot Ion:106 Resp: 100237
Ion Ratio Lower Upper
106 100
91 205.3 159.4 239.2



#69
o-Xylene
Concen: 3.986 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:106 Resp: 37191
Ion Ratio Lower Upper
106 100
91 219.5 105.7 317.1





#71

Bromoform

Concen: 0.685 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

MW-4

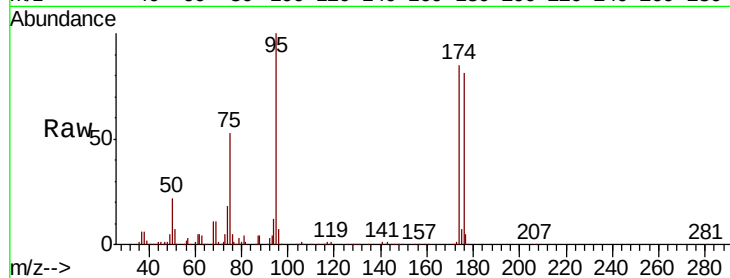
Tot Ion:173 Resp: 2141

Ion Ratio Lower Upper

173 100

175 847.3 24.4 73.2#

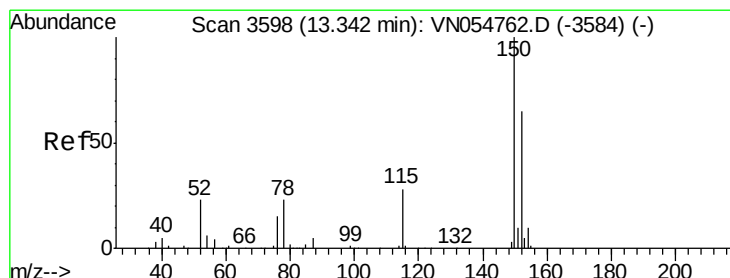
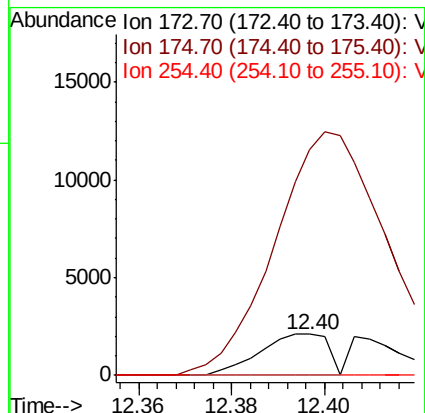
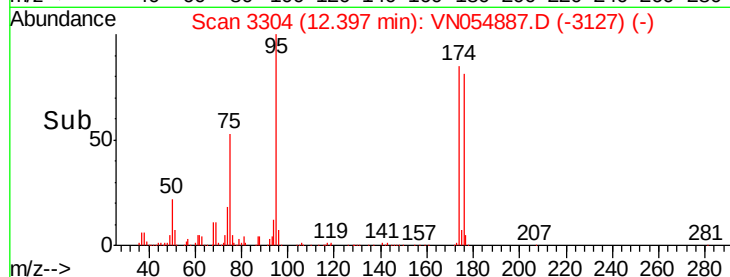
254 0.0 0.1 0.1#



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: VN054887.D

Acq: 1 Apr 2019 20:46

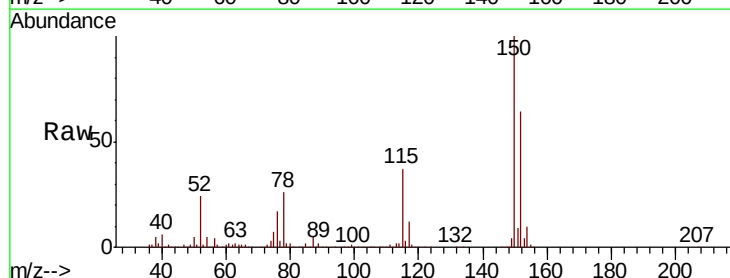
Tgt Ion:152 Resp: 273127

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

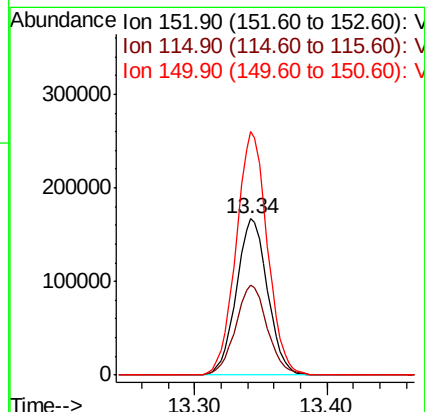
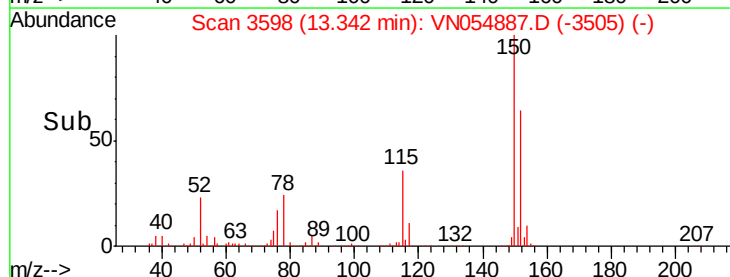
150 155.5 0.0 349.2

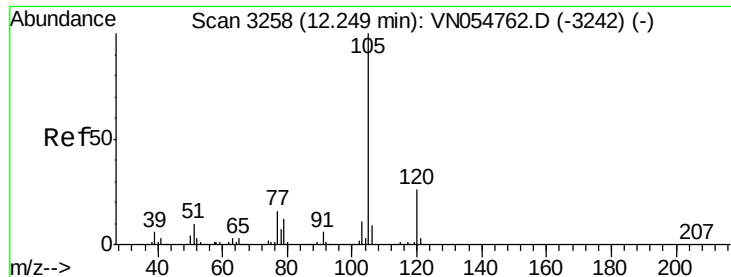


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.956 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

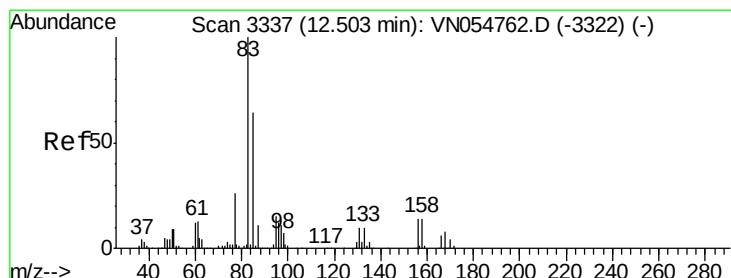
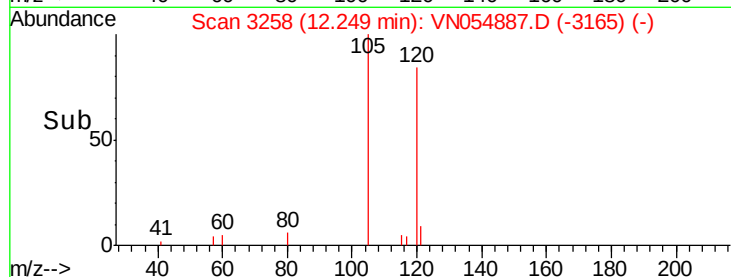
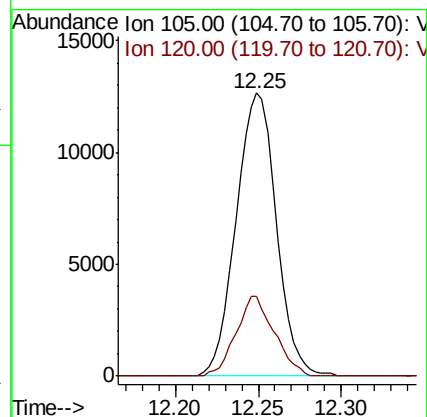
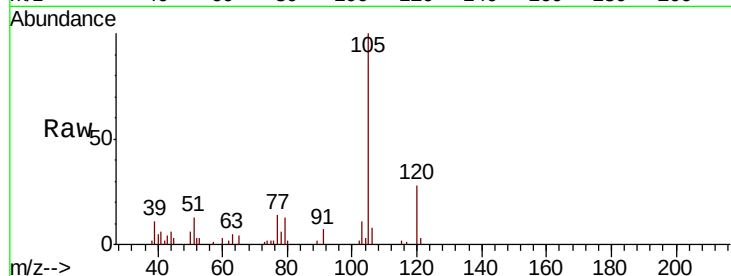
MW-4

Tot Ion:105 Resp: 21336

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

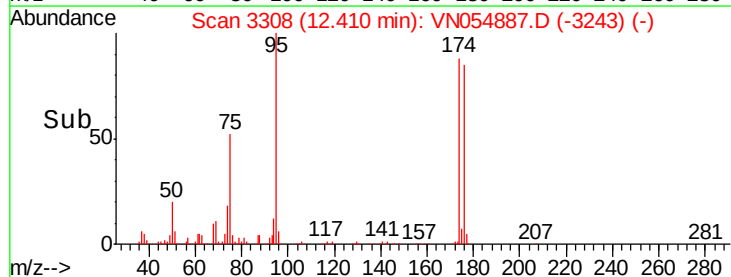
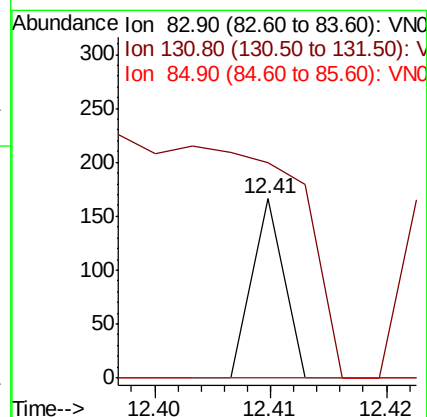
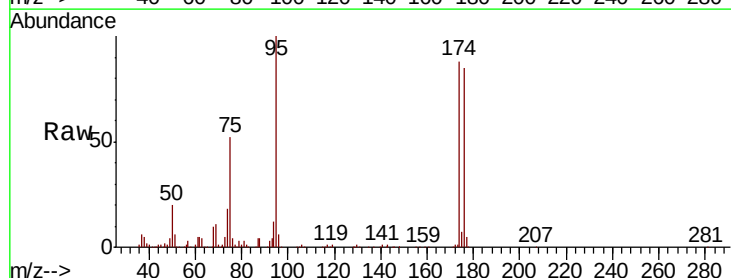
Tgt Ion: 83 Resp: 32

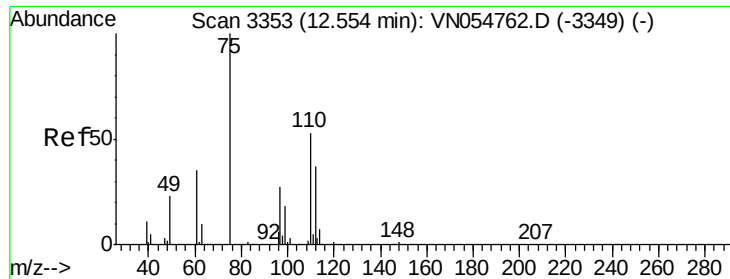
Ion Ratio Lower Upper

83 100

131 200.0 5.8 17.4#

85 0.0 32.2 96.6#





#76

1,2,3-Trichloropropane

Concen: 35.638 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

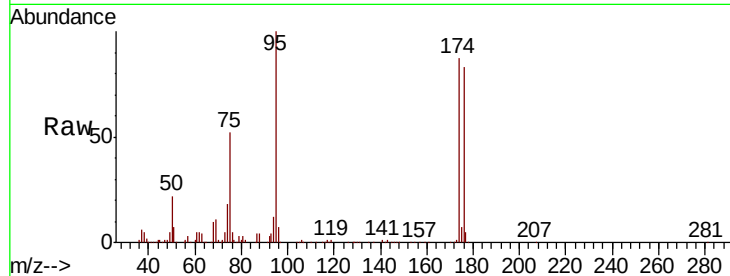
MW-4

Tot Ion: 75 Resp: 169095

Ion Ratio Lower Upper

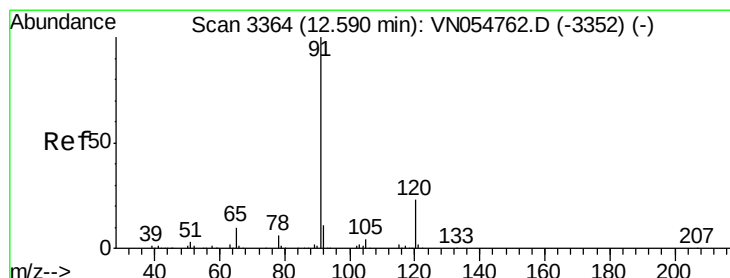
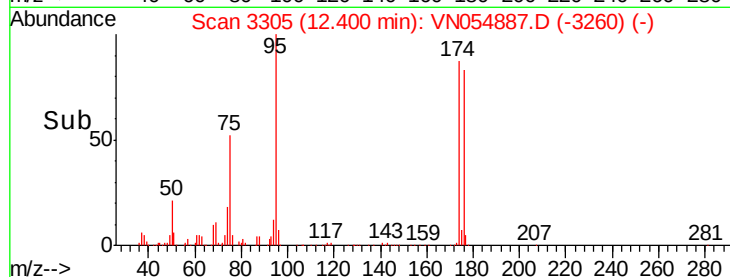
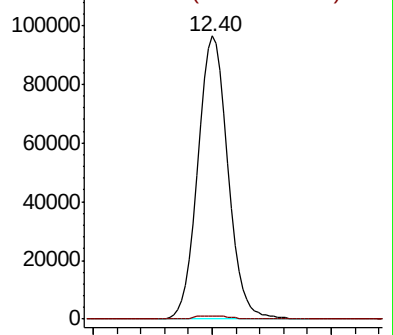
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.714 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054887.D

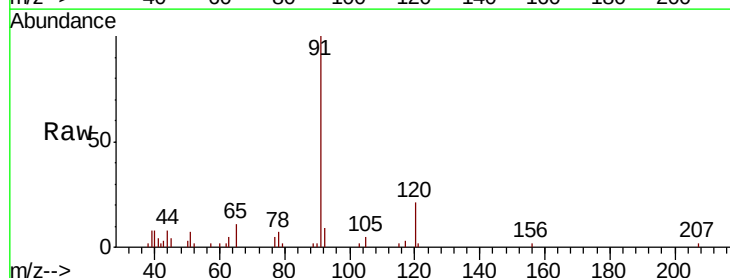
Acq: 1 Apr 2019 20:46

Tgt Ion: 91 Resp: 17510

Ion Ratio Lower Upper

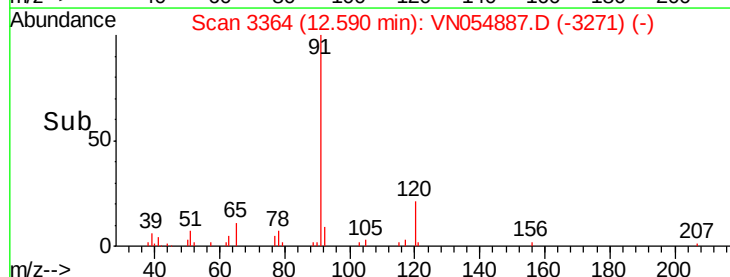
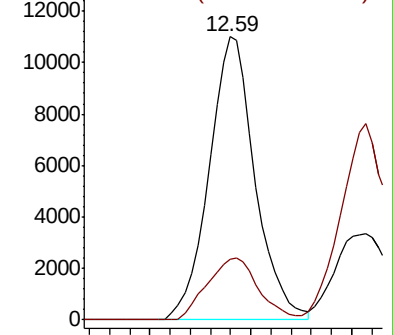
91 100

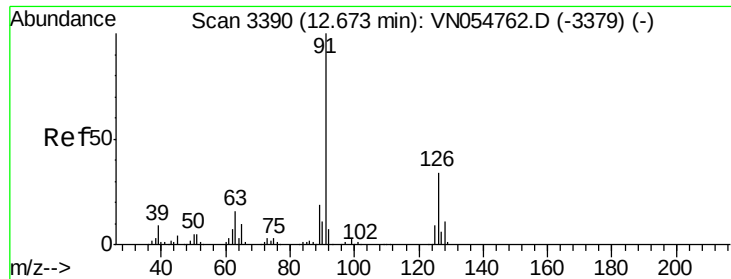
120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.211 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

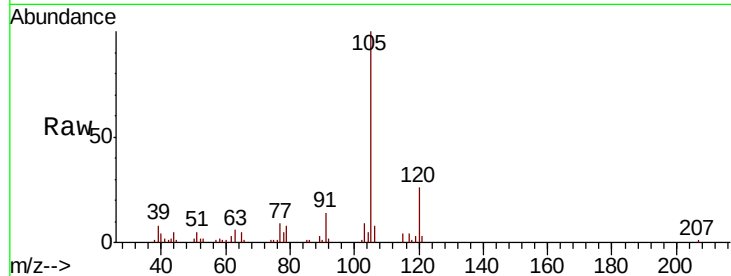
MW-4

Tot Ion: 91 Resp: 3201

Ion Ratio Lower Upper

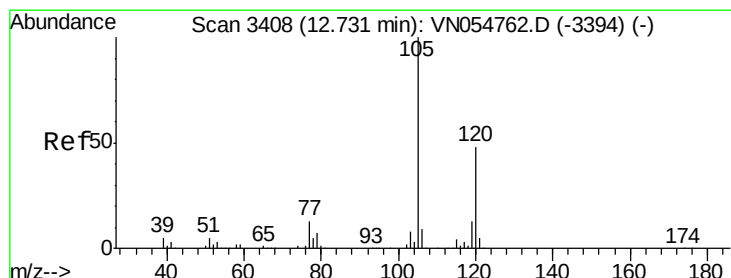
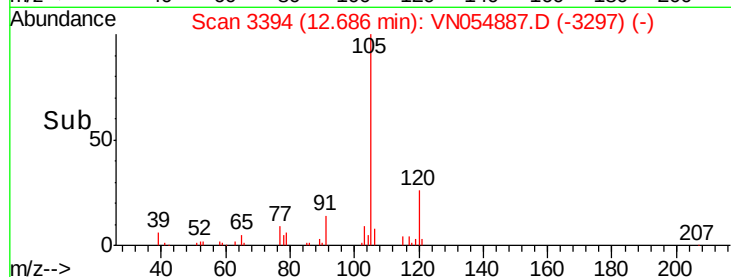
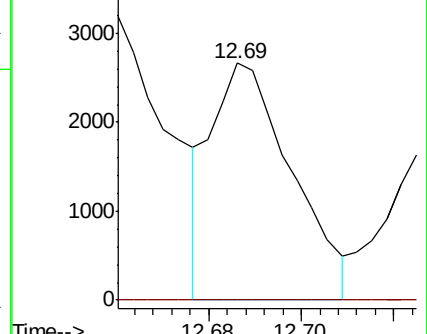
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054887.D (-3394) (-)

Ion 125.90 (125.60 to 126.60): VN054887.D (-3394) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.648 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054887.D

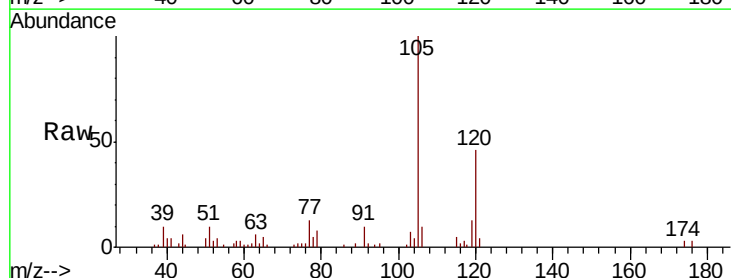
Acq: 1 Apr 2019 20:46

Tgt Ion:105 Resp: 30186

Ion Ratio Lower Upper

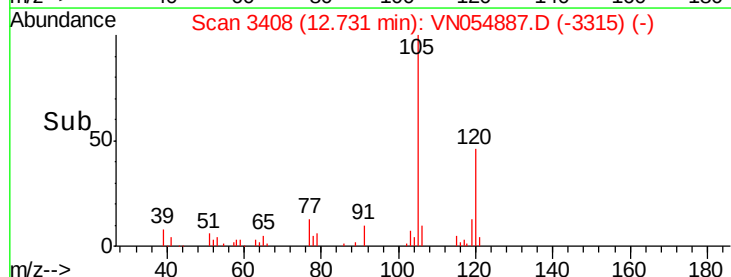
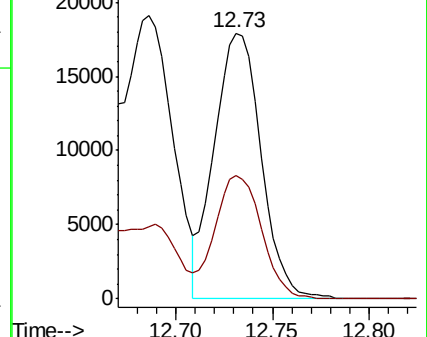
105 100

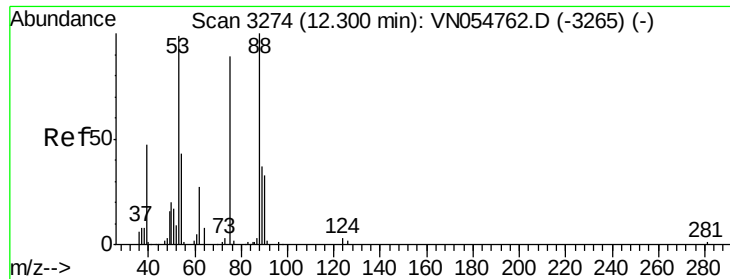
120 46.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054887.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054887.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 138.621 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

MW-4

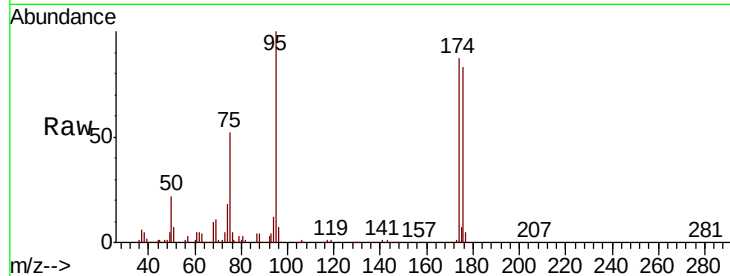
Tot Ion: 75 Resp: 169095

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

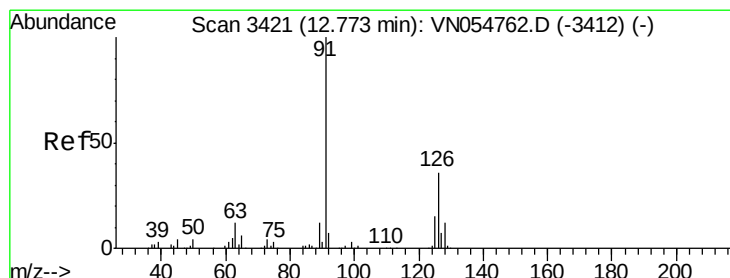
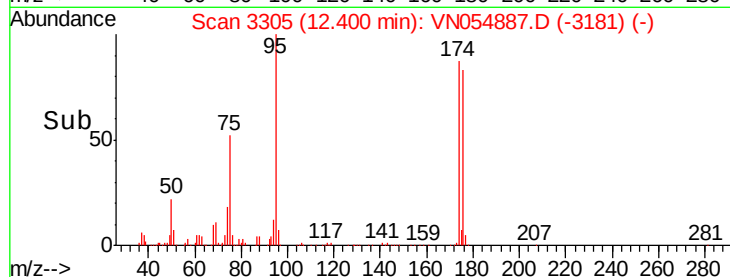
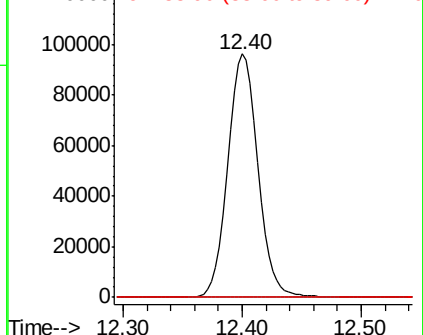
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.211 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054887.D

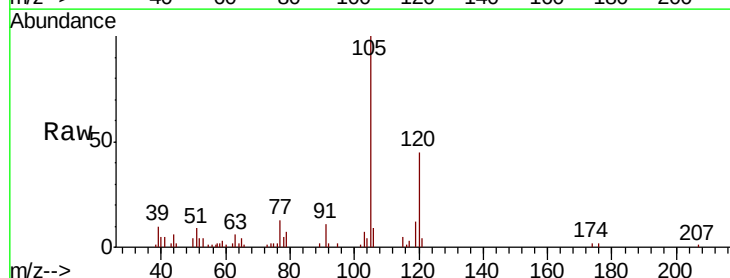
Acq: 1 Apr 2019 20:46

Tgt Ion: 91 Resp: 3114

Ion Ratio Lower Upper

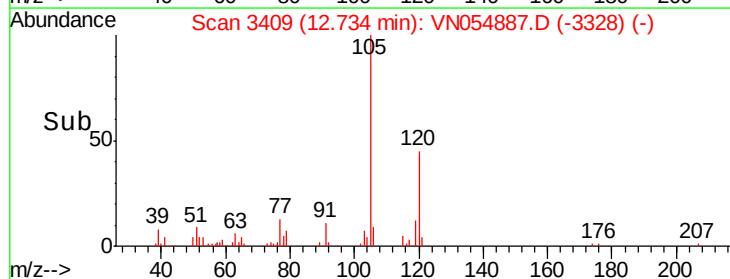
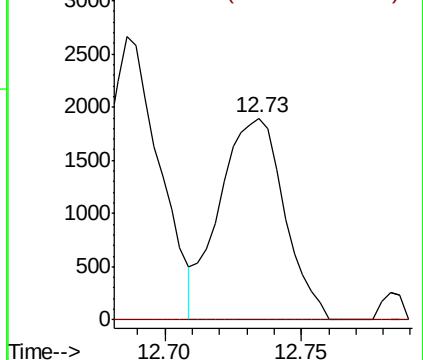
91 100

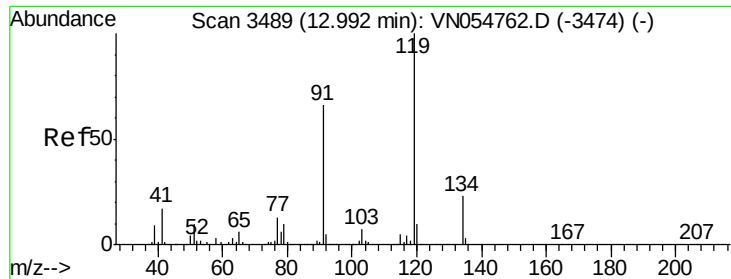
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

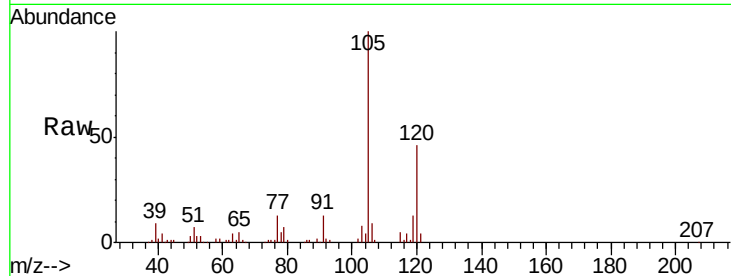




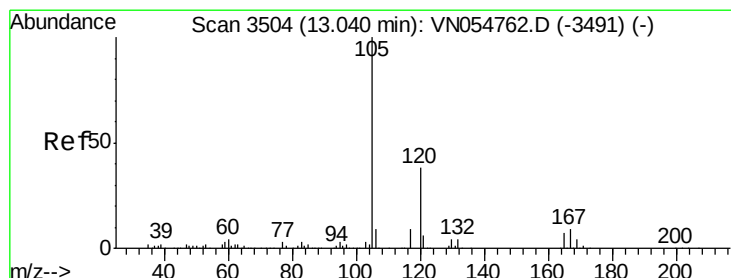
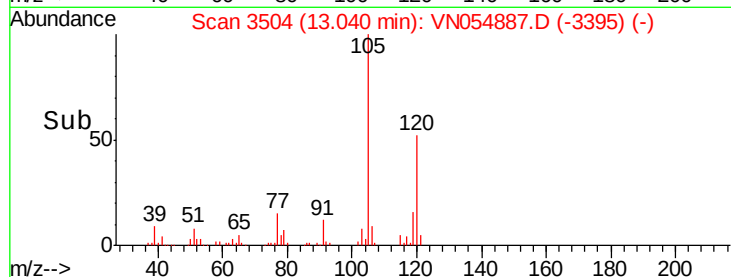
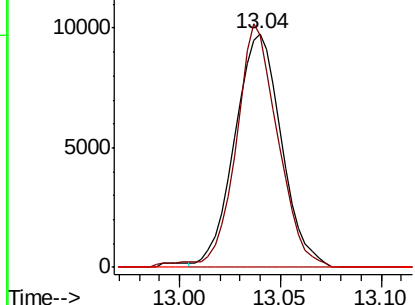
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:119 Resp: 15819
 Ion Ratio Lower Upper
 119 100
 91 93.8 30.9 92.8#
 134 0.0 13.2 39.6#

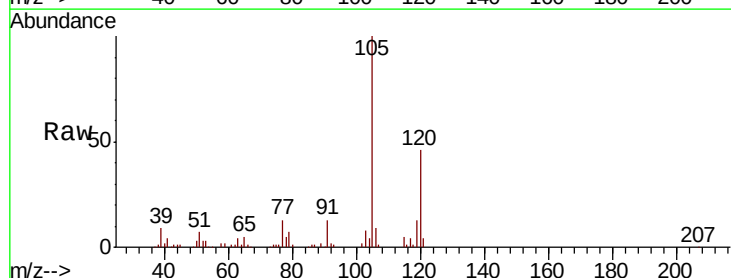


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

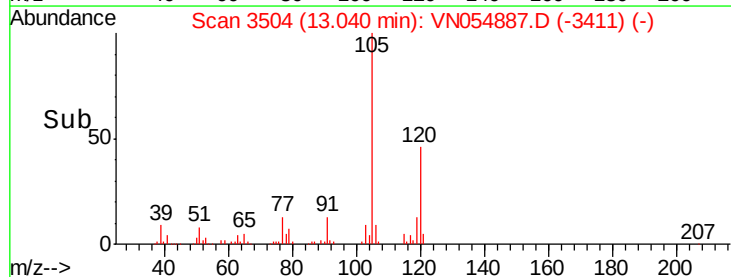
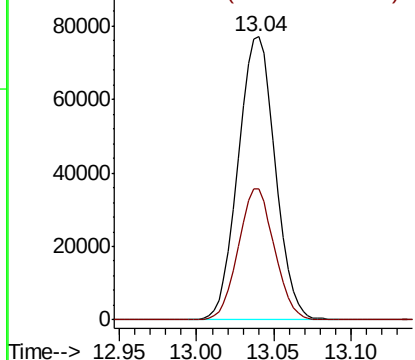


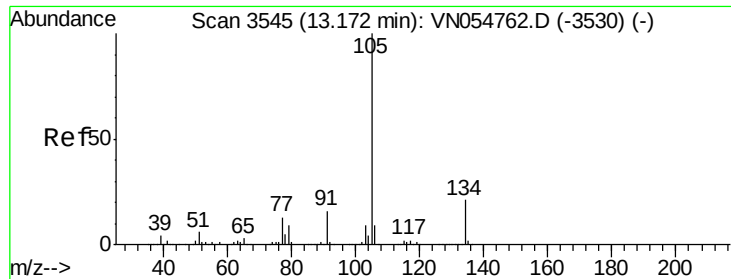
#84
 1,2,4-Trimethylbenzene
 Concen: 7.364 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Tgt Ion:105 Resp: 128518
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 6.459 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

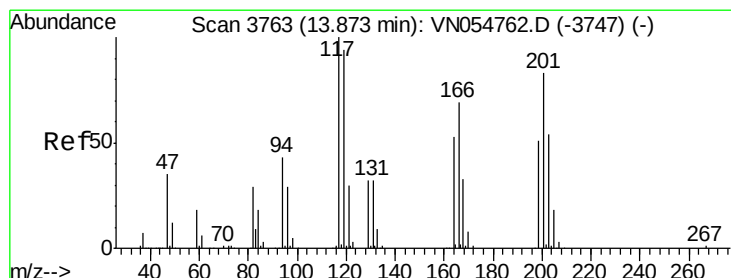
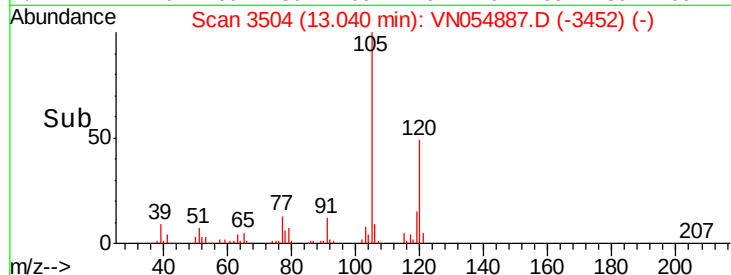
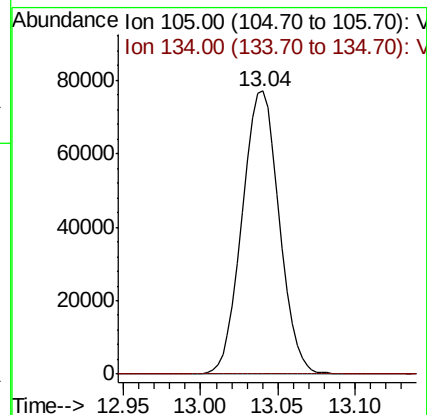
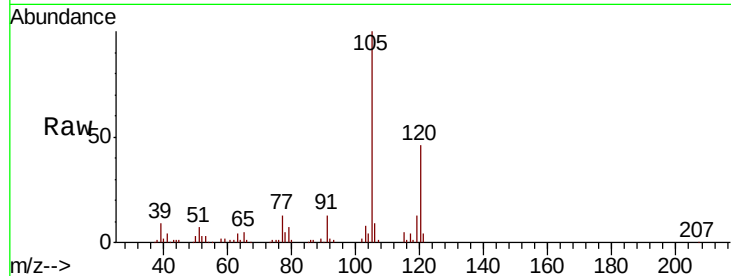
MW-4

Tot Ion:105 Resp: 128518

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#90

Hexachloroethane

Concen: 0.216 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN054887.D

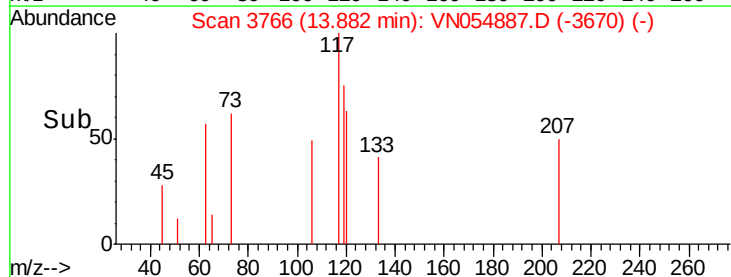
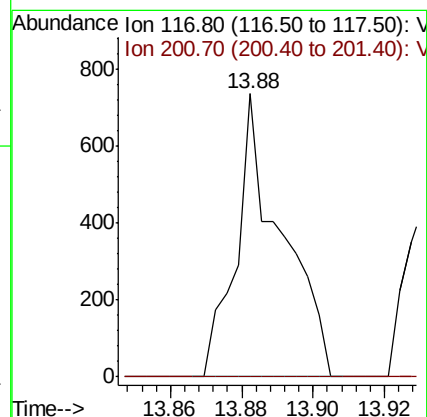
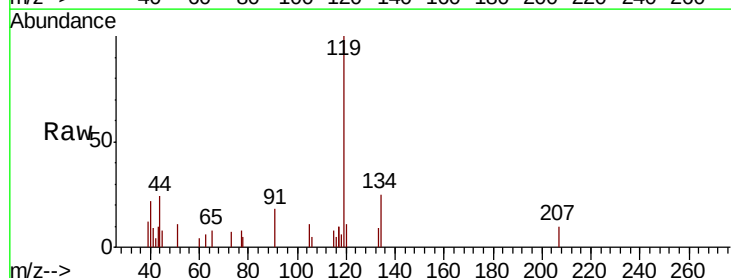
Acq: 1 Apr 2019 20:46

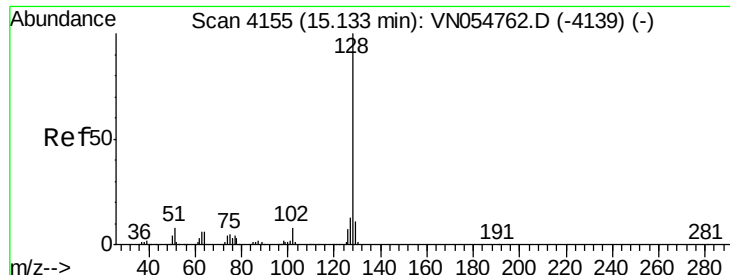
Tgt Ion:117 Resp: 644

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#





#95

Naphthalene

Concen: 2.488 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

MW-4

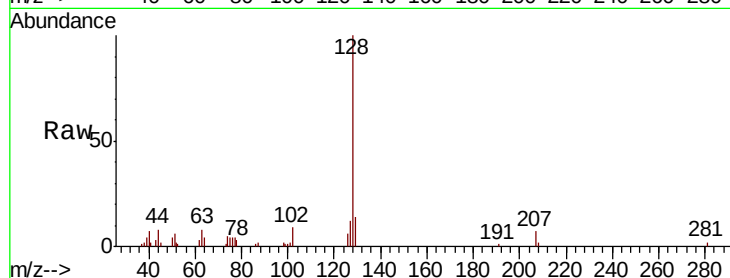
Tot Ion:128 Resp: 24489

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 11.0 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

