

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN054013.D
 Acq On : 28 Feb 2019 19:14
 Operator : JC/SP
 Sample : K1341-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-022719-A

Quant Time: Mar 01 05:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1096009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	481444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396137	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.59	113	354470	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	1414078	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.40	95	502729	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	

Target Compounds

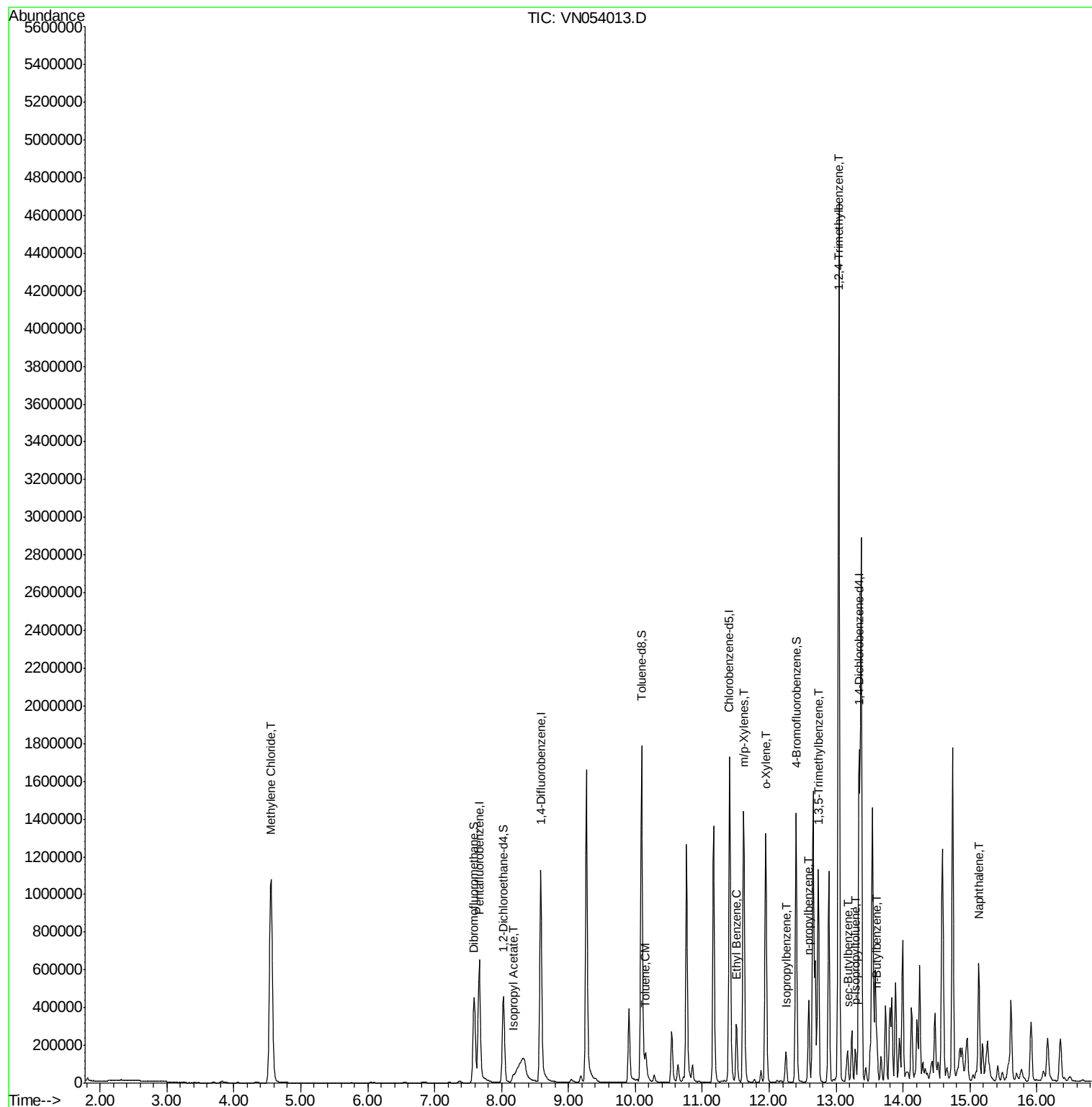
						Qvalue
20) Methylene Chloride	4.55	84	815424	116.298	ug/l	90
43) Isopropyl Acetate	8.17	43	44335	3.550	ug/l #	86
52) Toluene	10.16	92	51543	2.750	ug/l	97
67) Ethyl Benzene	11.51	91	238794	6.158	ug/l	99
68) m/p-Xylenes	11.62	106	473376	32.344	ug/l	96
69) o-Xylene	11.95	106	379823	26.412	ug/l	96
73) Isopropylbenzene	12.25	105	108941	2.907	ug/l	100
78) n-propylbenzene	12.59	91	351490	8.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	621052	20.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2656590	86.730	ug/l	98
85) sec-Butylbenzene	13.17	105	107868	2.910	ug/l	86
86) p-Isopropyltoluene	13.29	119	100597	3.211	ug/l	98
89) n-Butylbenzene	13.61	91	103201	3.908	ug/l #	80
95) Naphthalene	15.13	128	541459	29.791	ug/l	100

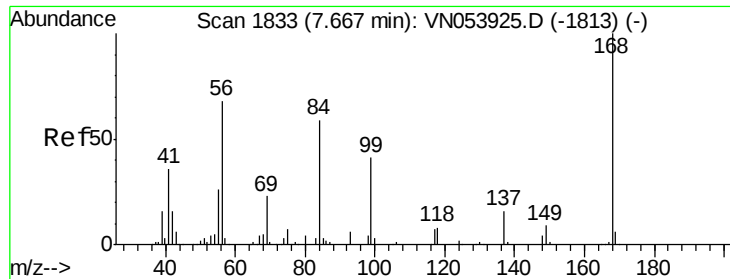
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
Data File : VN054013.D
Acq On : 28 Feb 2019 19:14
Operator : JC/SP
Sample : K1341-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HR-06-022719-A

Quant Time: Mar 01 05:45:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

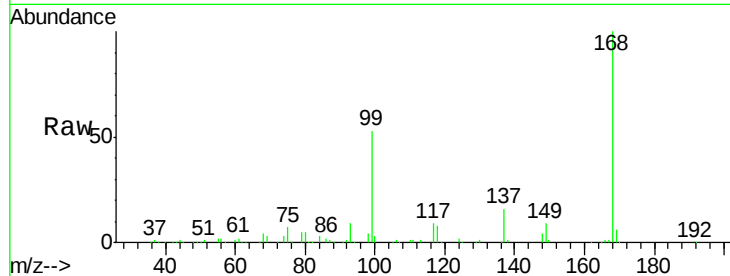
HR-06-022719-A

Tot Ion:168 Resp: 604343

Ion Ratio Lower Upper

168 100

99 52.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

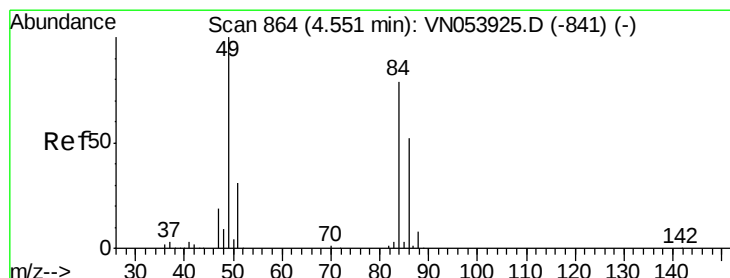
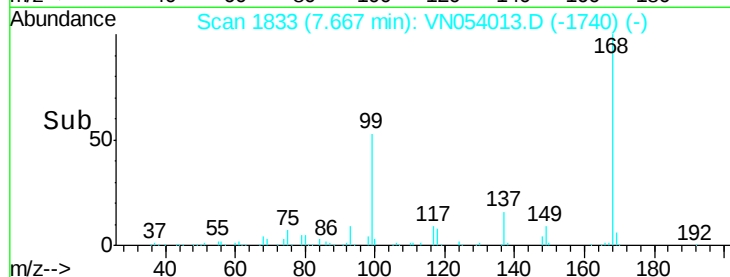
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 116.298 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Tgt Ion: 84 Resp: 815424

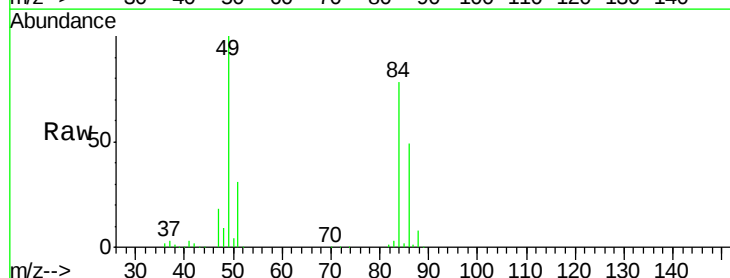
Ion Ratio Lower Upper

84 100

49 128.5 89.7 134.5

51 39.4 27.8 41.8

86 63.5 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

500000

400000

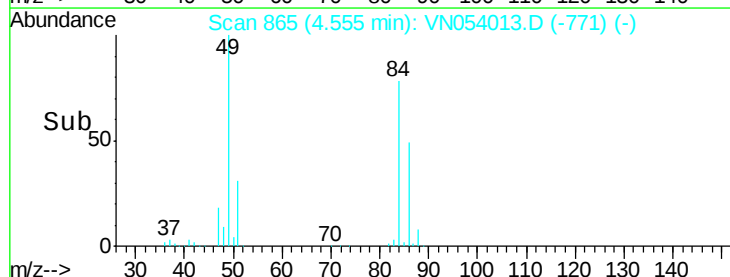
300000

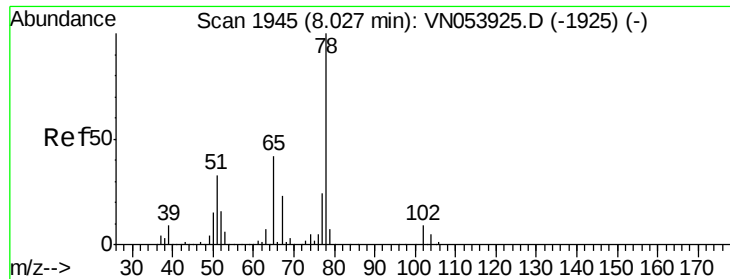
200000

100000

0

Time--> 4.40 4.50 4.60 4.70

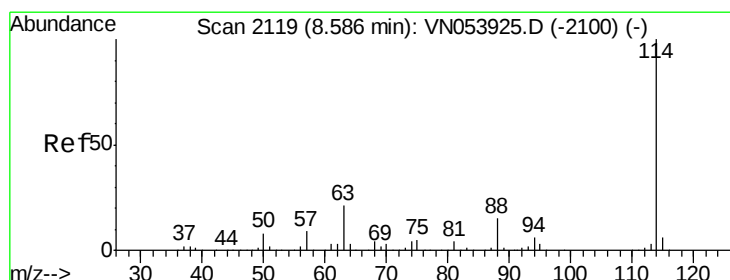
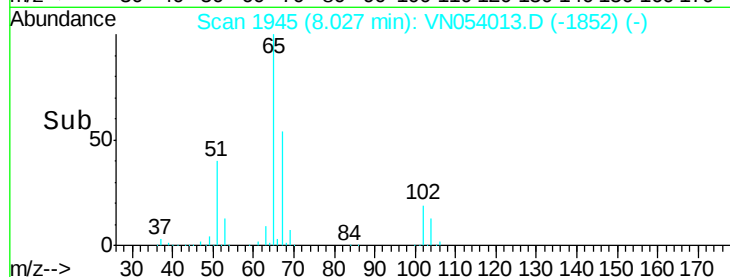
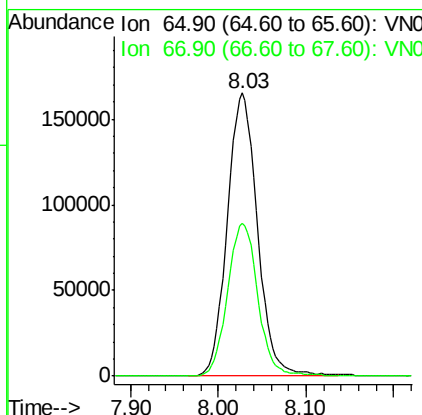
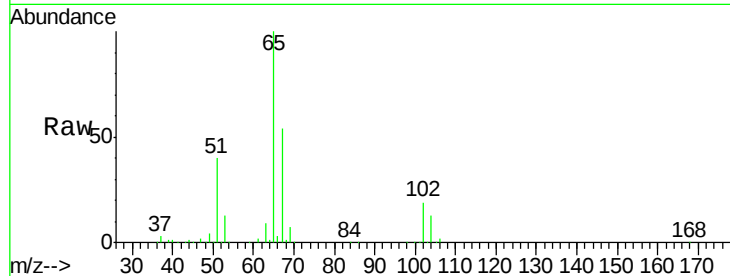




#33
 1,2-Dichloroethane-d4
 Concen: 55.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

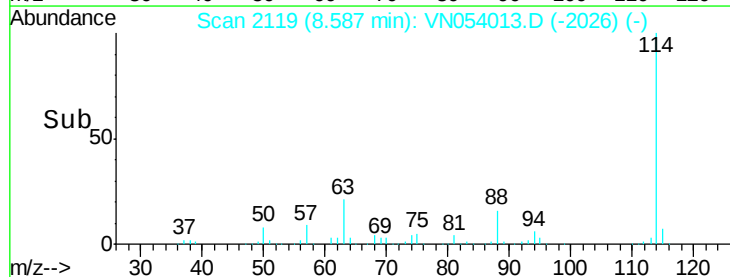
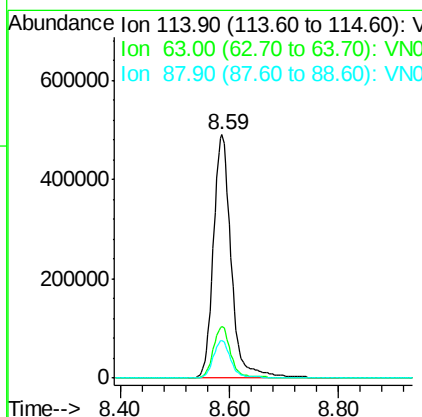
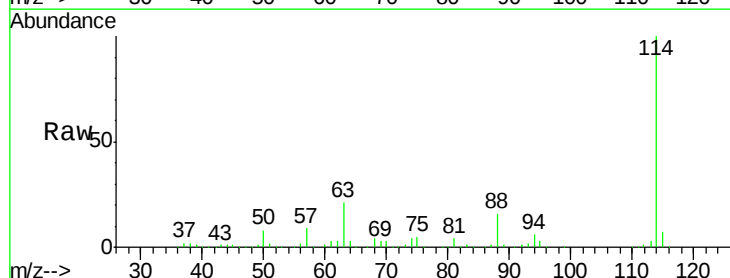
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-022719-A

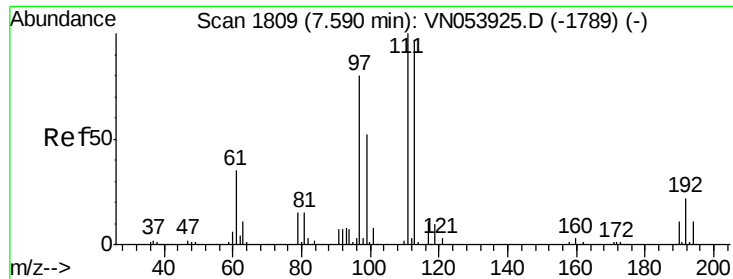
Tot Ion: 65 Resp: 396137
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 114 Resp: 1113971
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 37.4
 88 15.6 0.0 30.4

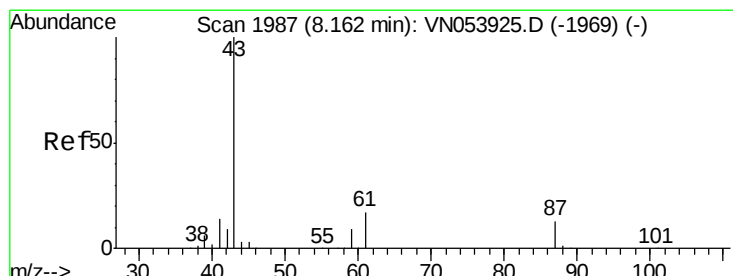
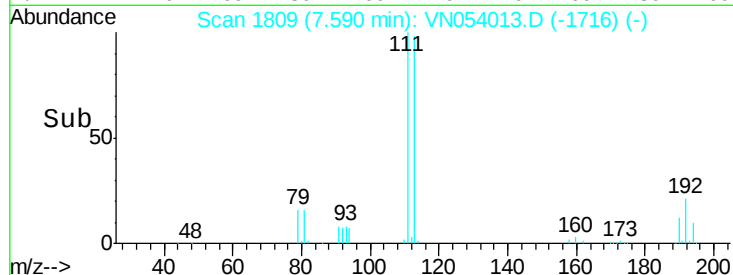
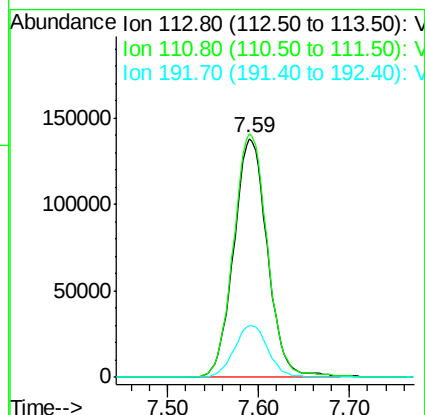
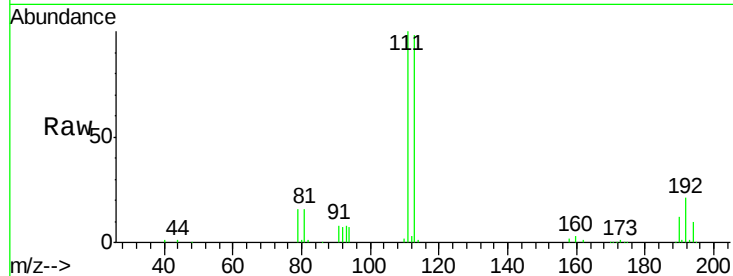




#35
 Dibromofluoromethane
 Concen: 49.207 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

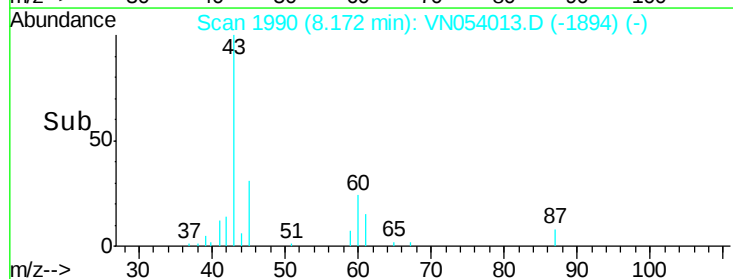
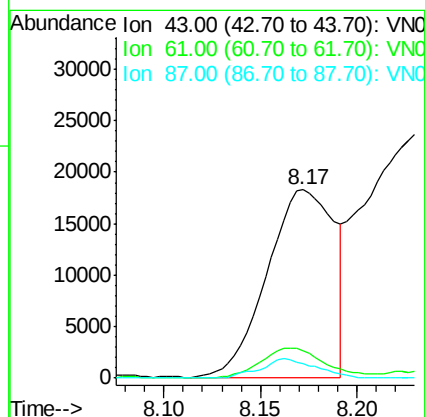
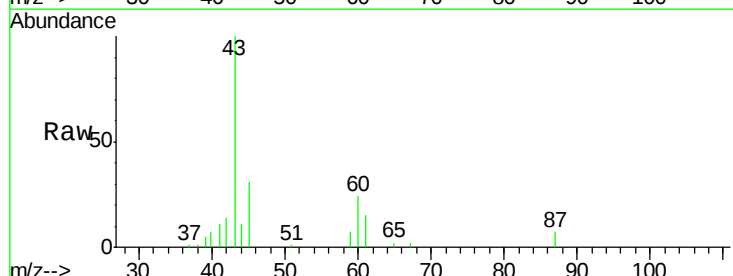
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-022719-A

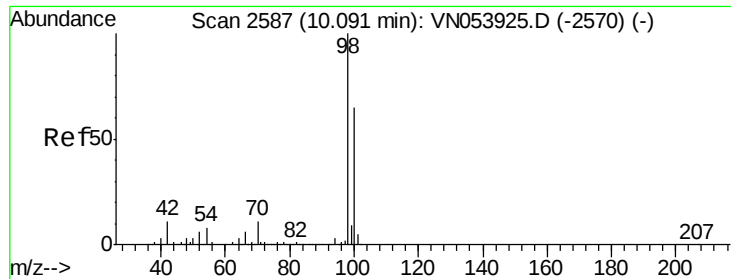
Tot Ion:113 Resp: 354470
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 21.7 18.8 28.2



#43
 Isopropyl Acetate
 Concen: 3.550 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 44335
 Ion Ratio Lower Upper
 43 100
 61 15.3 17.4 26.0#
 87 8.3 11.5 17.3#





#50

Toluene-d8

Concen: 52.733 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

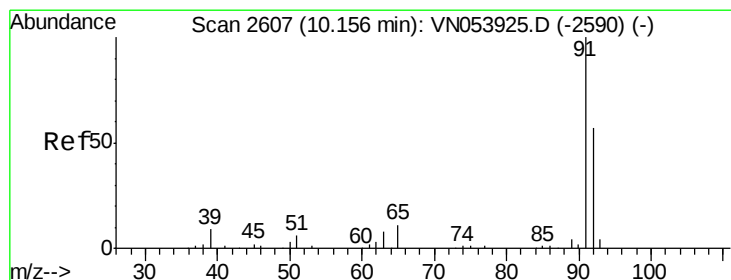
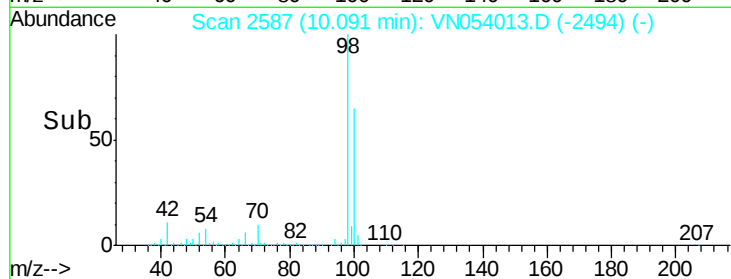
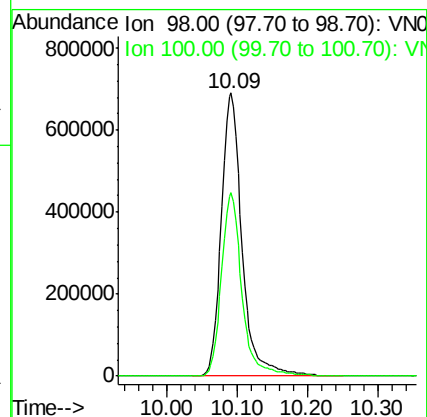
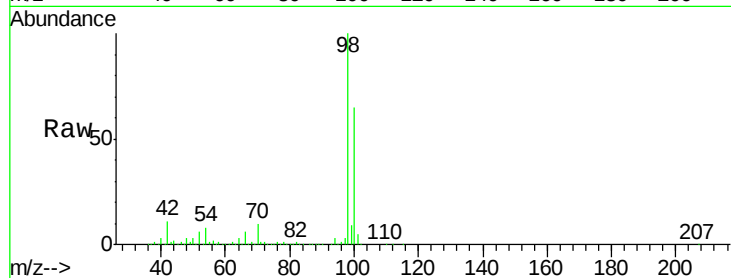
HR-06-022719-A

Tot Ion: 98 Resp: 1414078

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#52

Toluene

Concen: 2.750 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054013.D

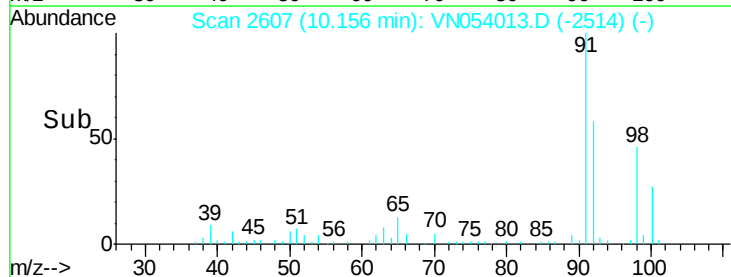
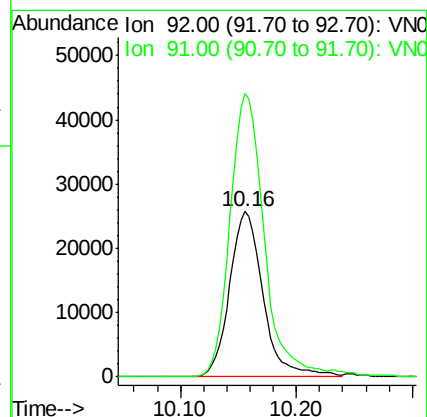
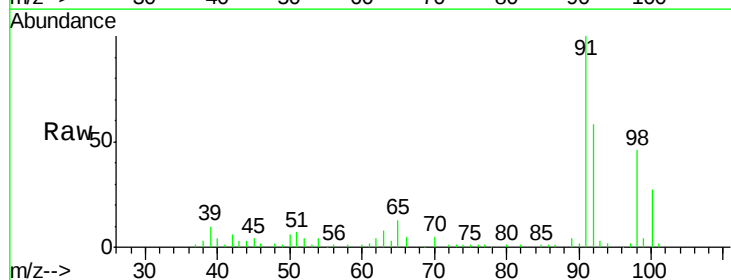
Acq: 28 Feb 2019 19:14

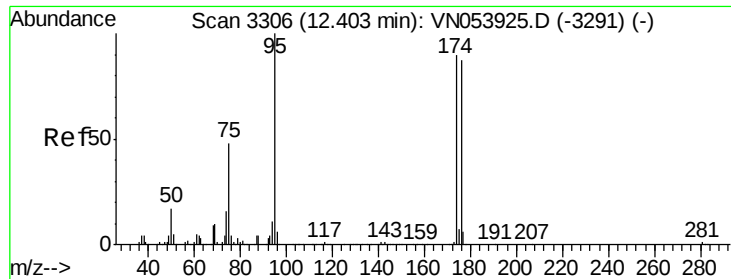
Tgt Ion: 92 Resp: 51543

Ion Ratio Lower Upper

92 100

91 176.5 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 56.270 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

HR-06-022719-A

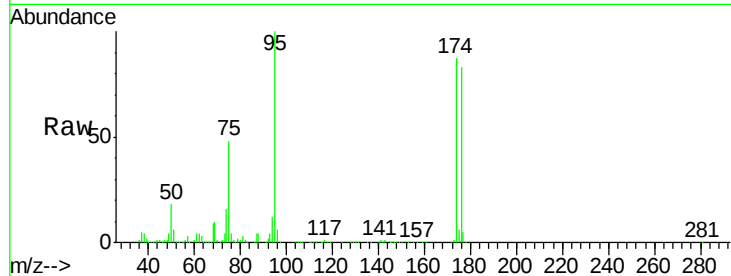
Tot Ion: 95 Resp: 502729

Ion Ratio Lower Upper

95 100

174 86.8 0.0 188.8

176 83.6 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN054013.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054013.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054013.D (-2903) (-)

12.40

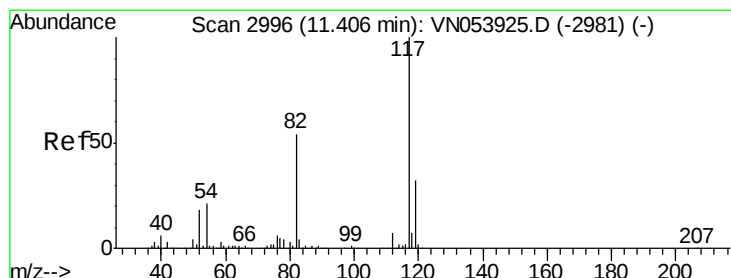
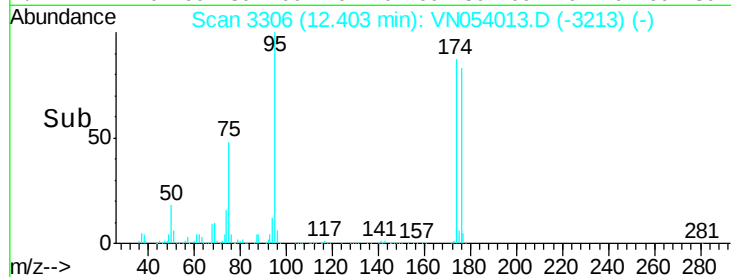
300000

200000

100000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

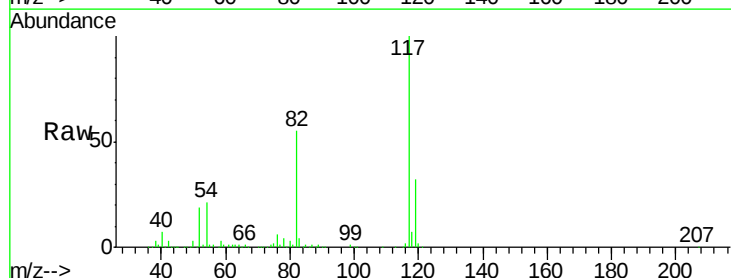
Tgt Ion: 117 Resp: 1096009

Ion Ratio Lower Upper

117 100

82 54.6 41.4 62.2

119 31.8 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN054013.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054013.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054013.D (-2903) (-)

11.41

800000

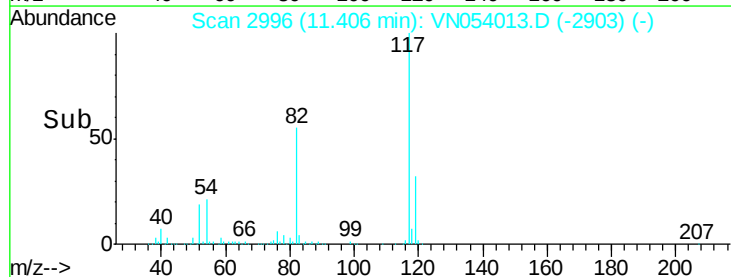
600000

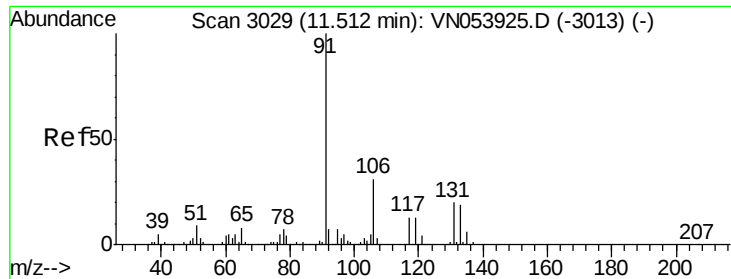
400000

200000

0

Time-->

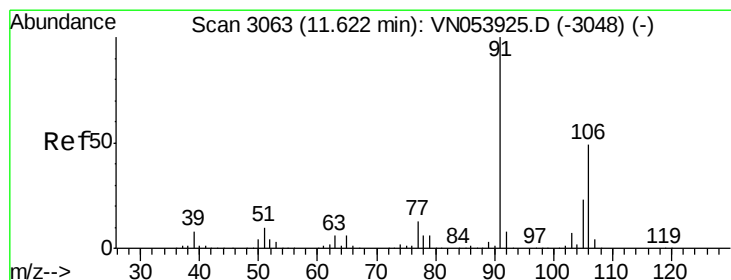
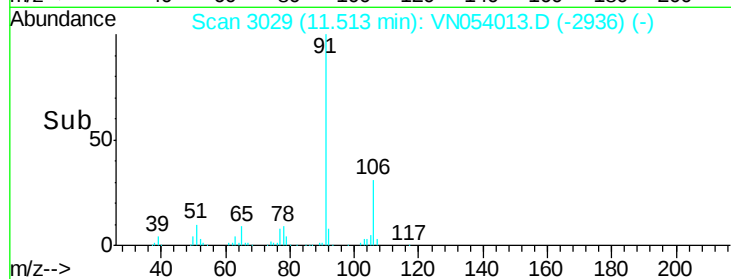
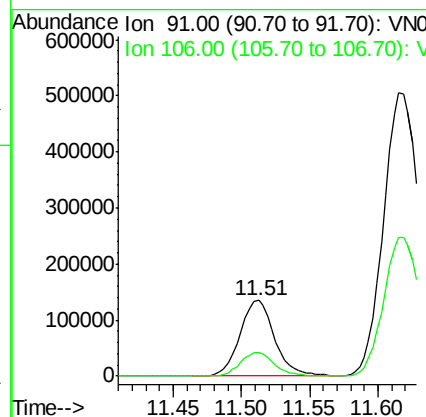
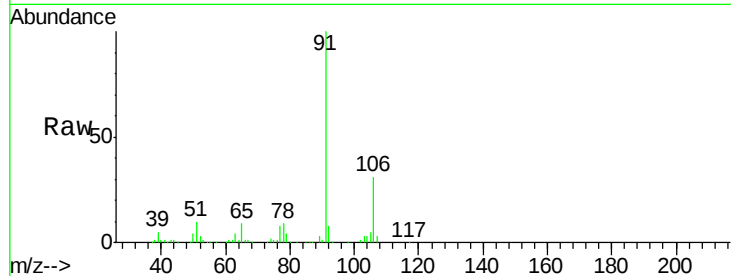




#67
Ethyl Benzene
Concen: 6.158 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

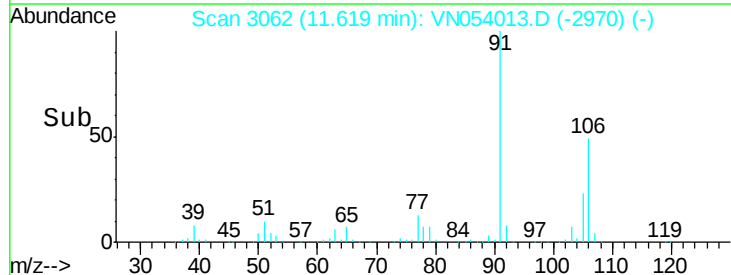
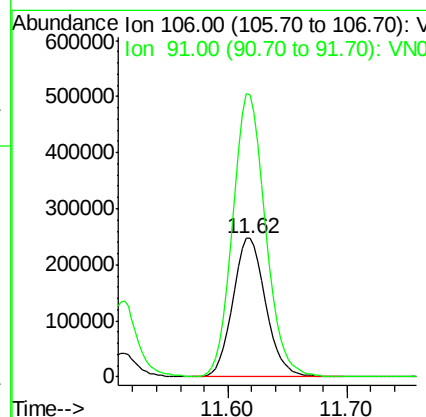
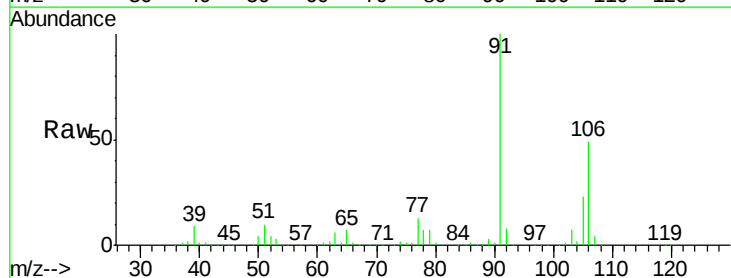
Instrument :
MSVOA_N
ClientSampleId :
HR-06-022719-A

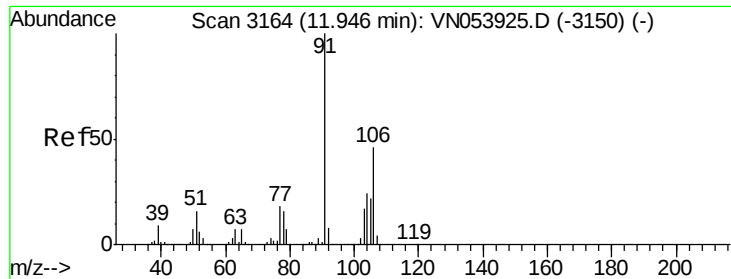
Tot Ion: 91 Resp: 238794
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8



#68
m/p-Xylenes
Concen: 32.344 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 106 Resp: 473376
Ion Ratio Lower Upper
106 100
91 203.9 158.9 238.3

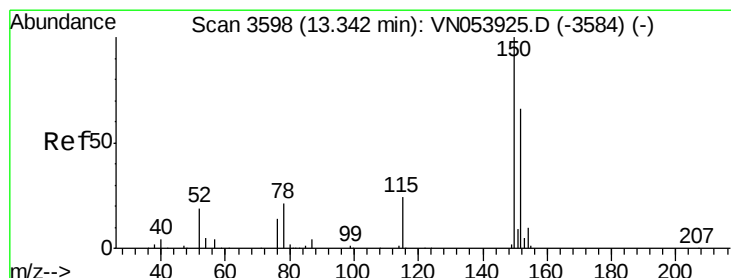
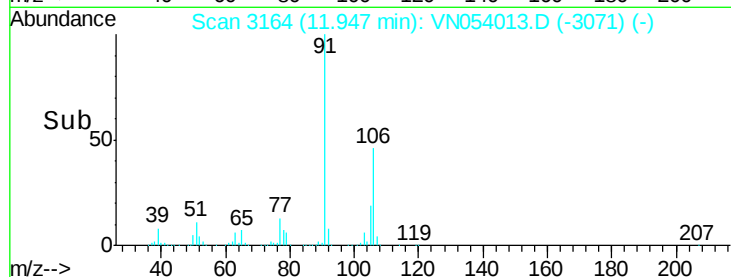
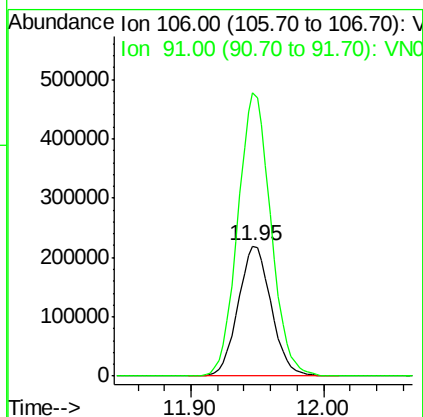
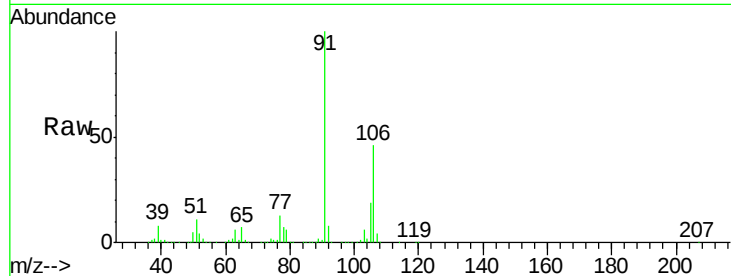




#69
o-Xylene
Concen: 26.412 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

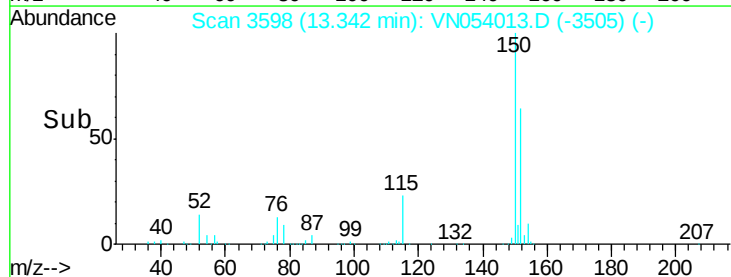
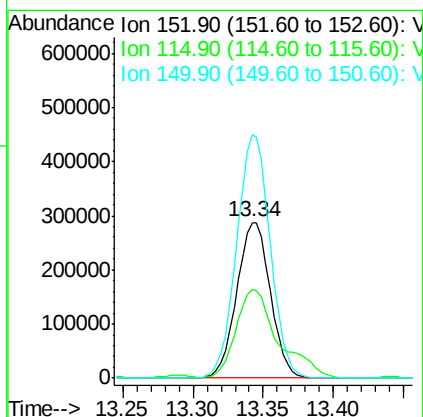
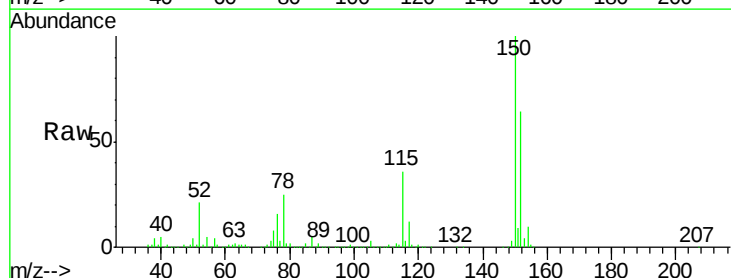
Instrument :
MSVOA_N
ClientSampled :
HR-06-022719-A

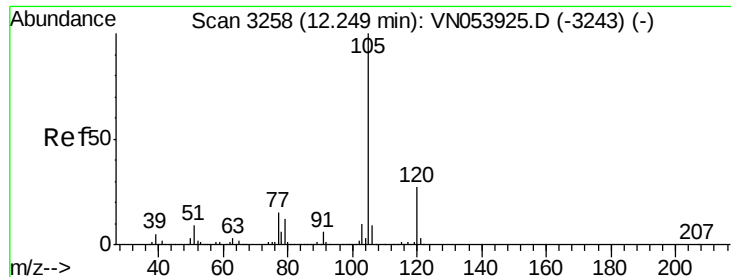
Tot Ion:106 Resp: 379823
Ion Ratio Lower Upper
106 100
91 217.8 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion:152 Resp: 481444
Ion Ratio Lower Upper
152 100
115 71.0 27.2 81.6
150 155.5 0.0 348.2





#73

Isopropylbenzene

Concen: 2.907 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

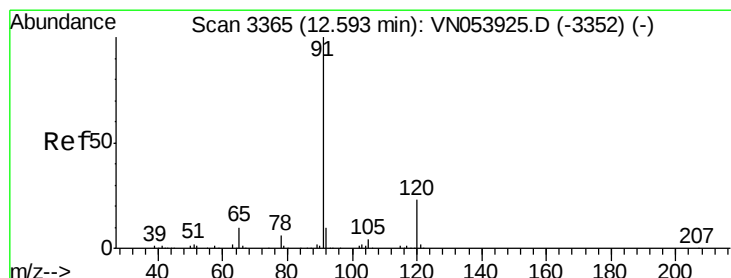
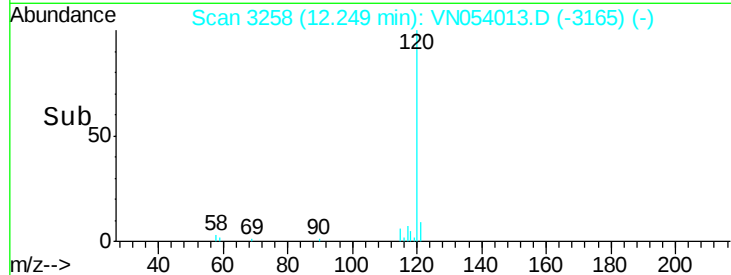
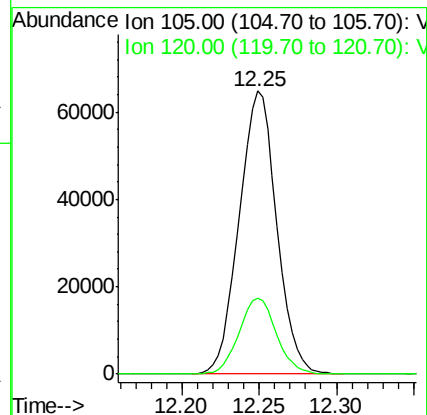
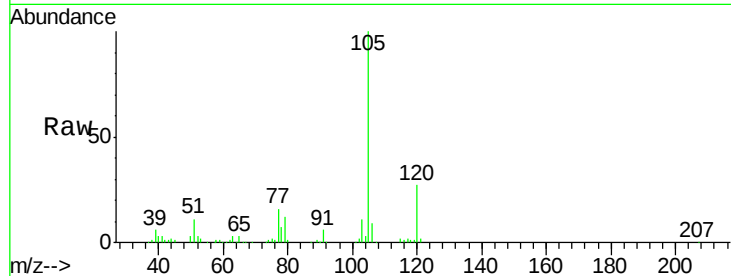
HR-06-022719-A

Tot Ion:105 Resp: 108941

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#78

n-propylbenzene

Concen: 8.247 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054013.D

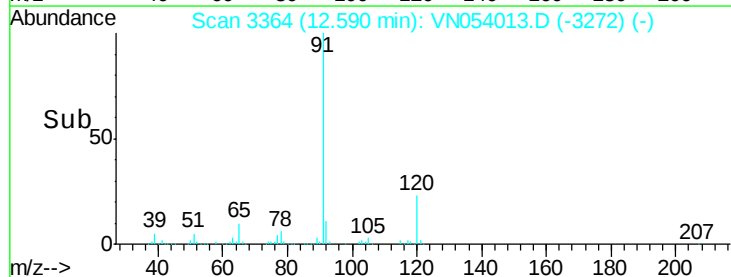
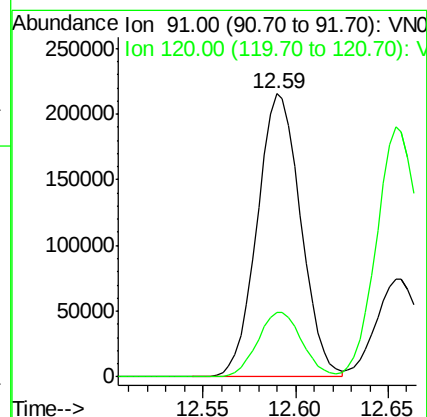
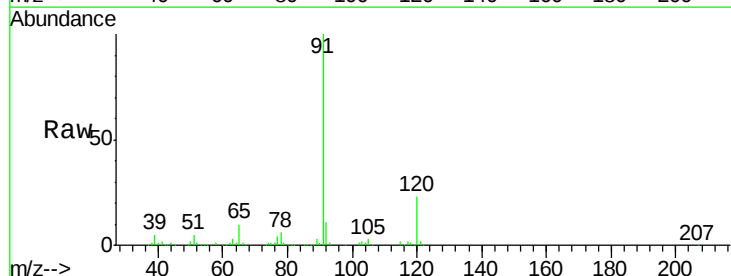
Acq: 28 Feb 2019 19:14

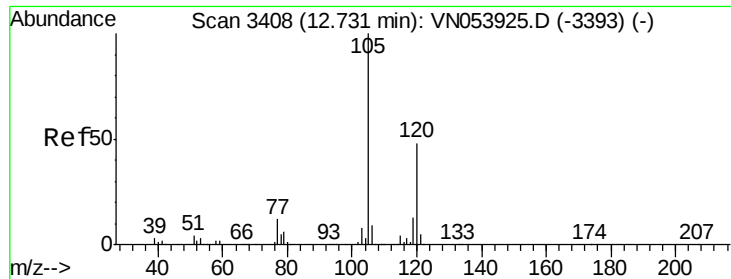
Tgt Ion: 91 Resp: 351490

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9

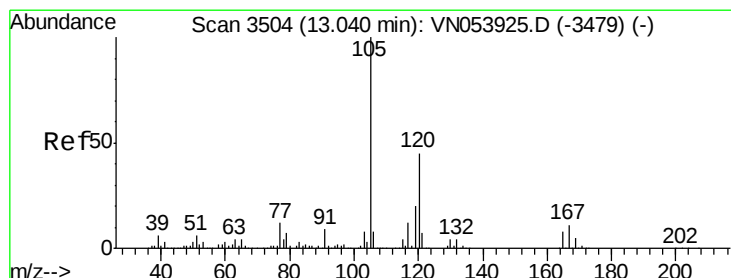
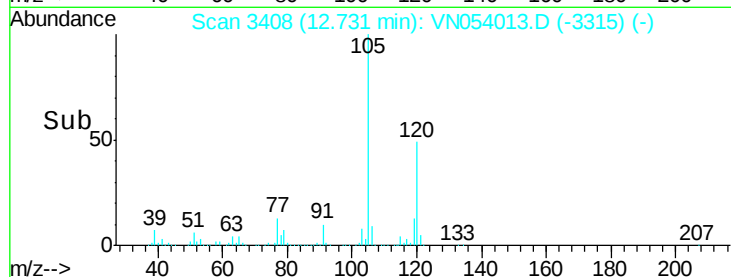
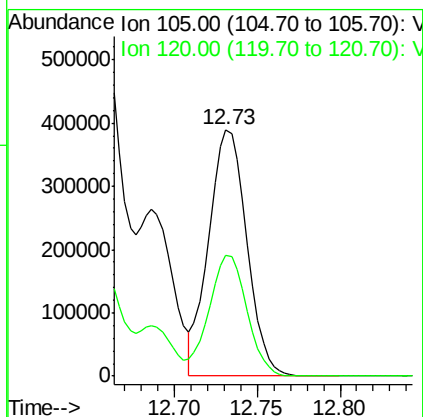
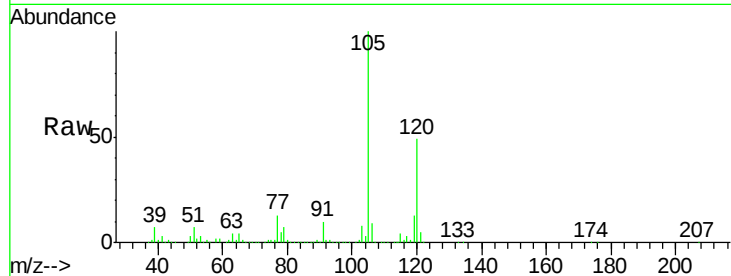




#80
 1,3,5-Trimethylbenzene
 Concen: 20.242 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

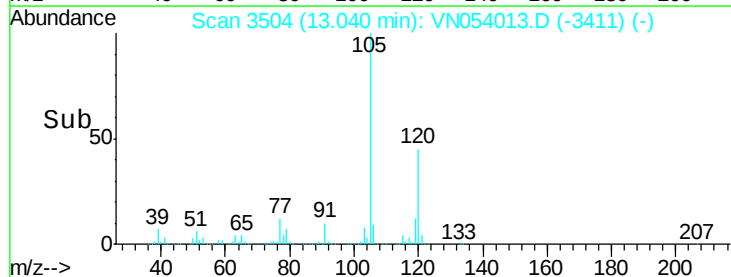
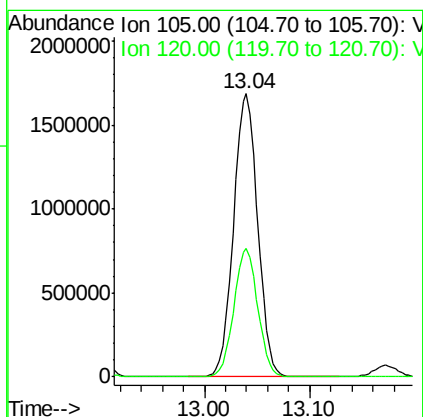
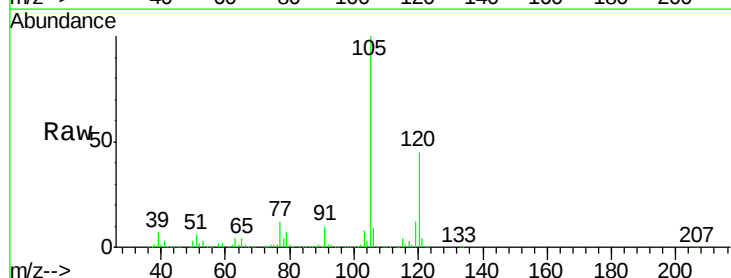
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-022719-A

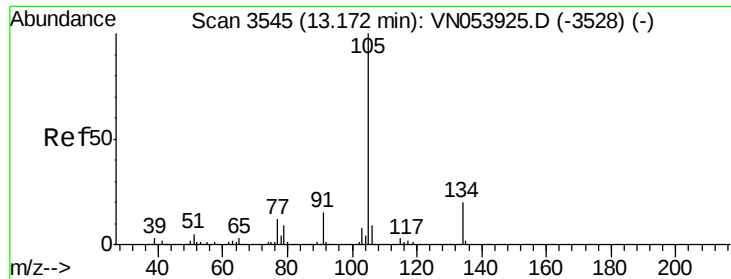
Tot Ion:105 Resp: 621052
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 86.730 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion:105 Resp: 2656590
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 2.910 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

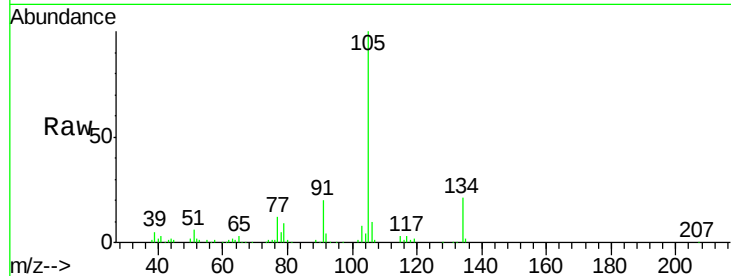
HR-06-022719-A

Tot Ion:105 Resp: 107868

Ion Ratio Lower Upper

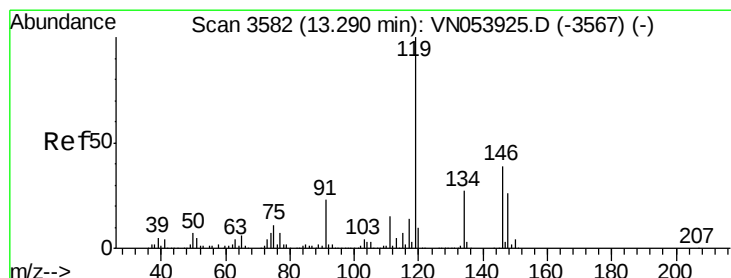
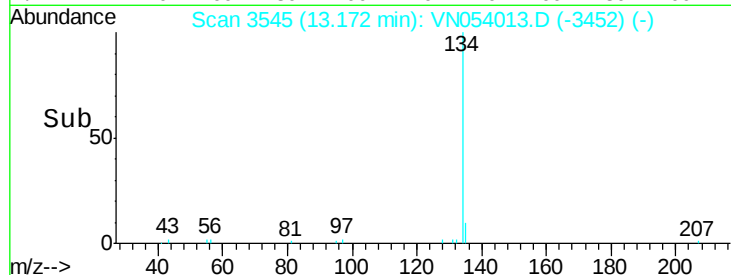
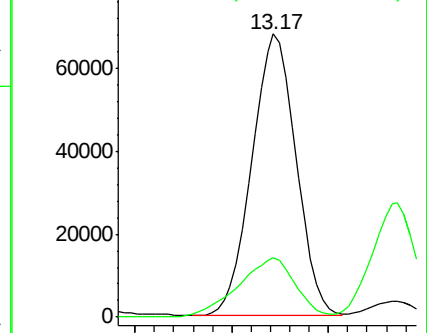
105 100

134 27.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.211 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

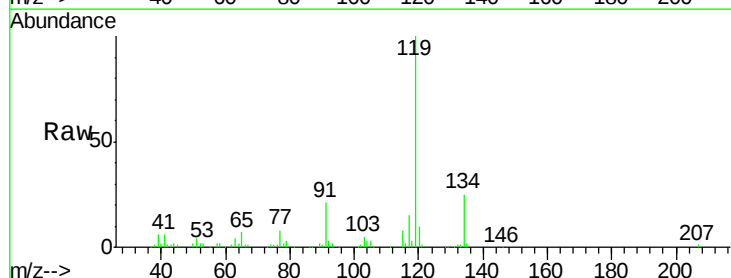
Tgt Ion:119 Resp: 100597

Ion Ratio Lower Upper

119 100

134 25.5 13.5 40.4

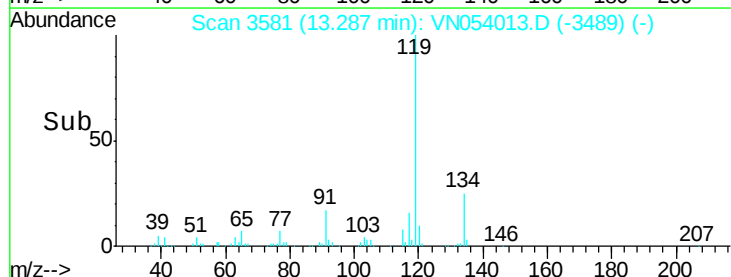
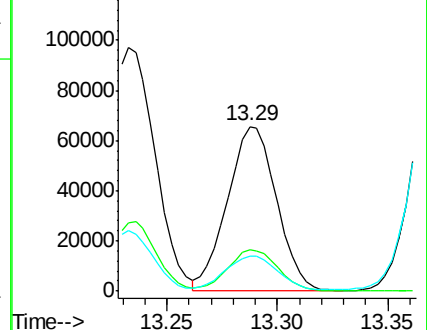
91 21.8 10.9 32.6

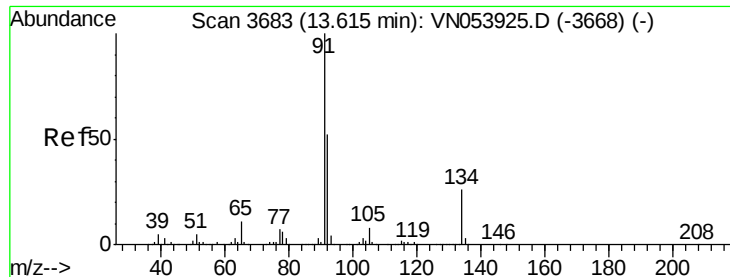


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 3.908 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

HR-06-022719-A

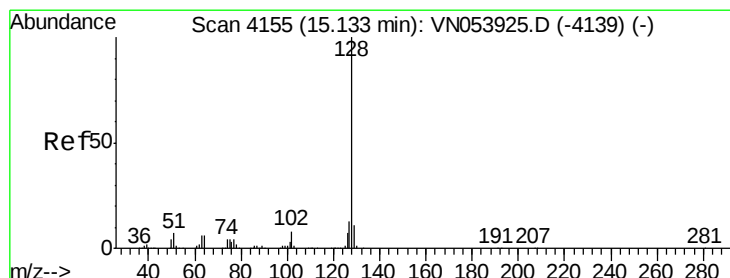
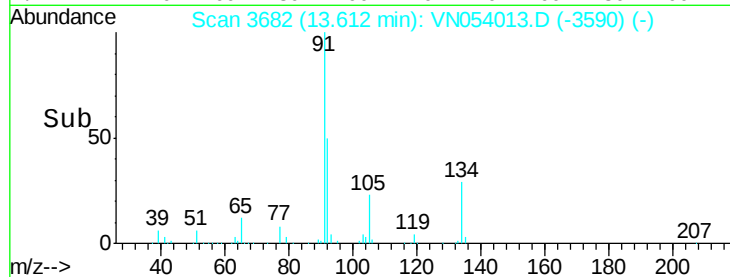
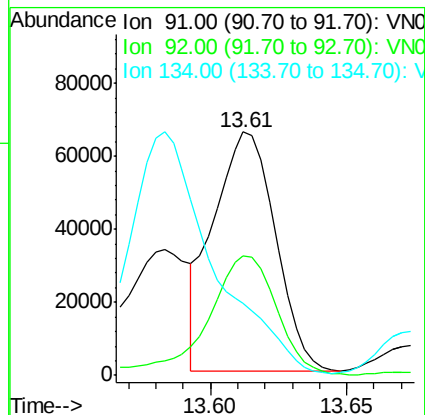
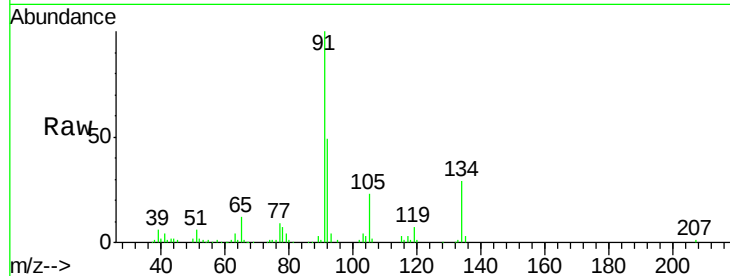
Tot Ion: 91 Resp: 103201

Ion Ratio Lower Upper

91 100

92 54.3 26.1 78.2

134 0.0 13.6 40.8#



#95

Naphthalene

Concen: 29.791 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Tgt Ion: 128 Resp: 541459

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.6 12.8

