

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054105.D
 Acq On : 5 Mar 2019 17:55
 Operator : JC/SP
 Sample : K1727-08DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1DL

Quant Time: Mar 06 03:32:01 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	611296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1108810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1083818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418074	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	379414	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	7.59	113	352090	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.09	98	1414346	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	485739	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	

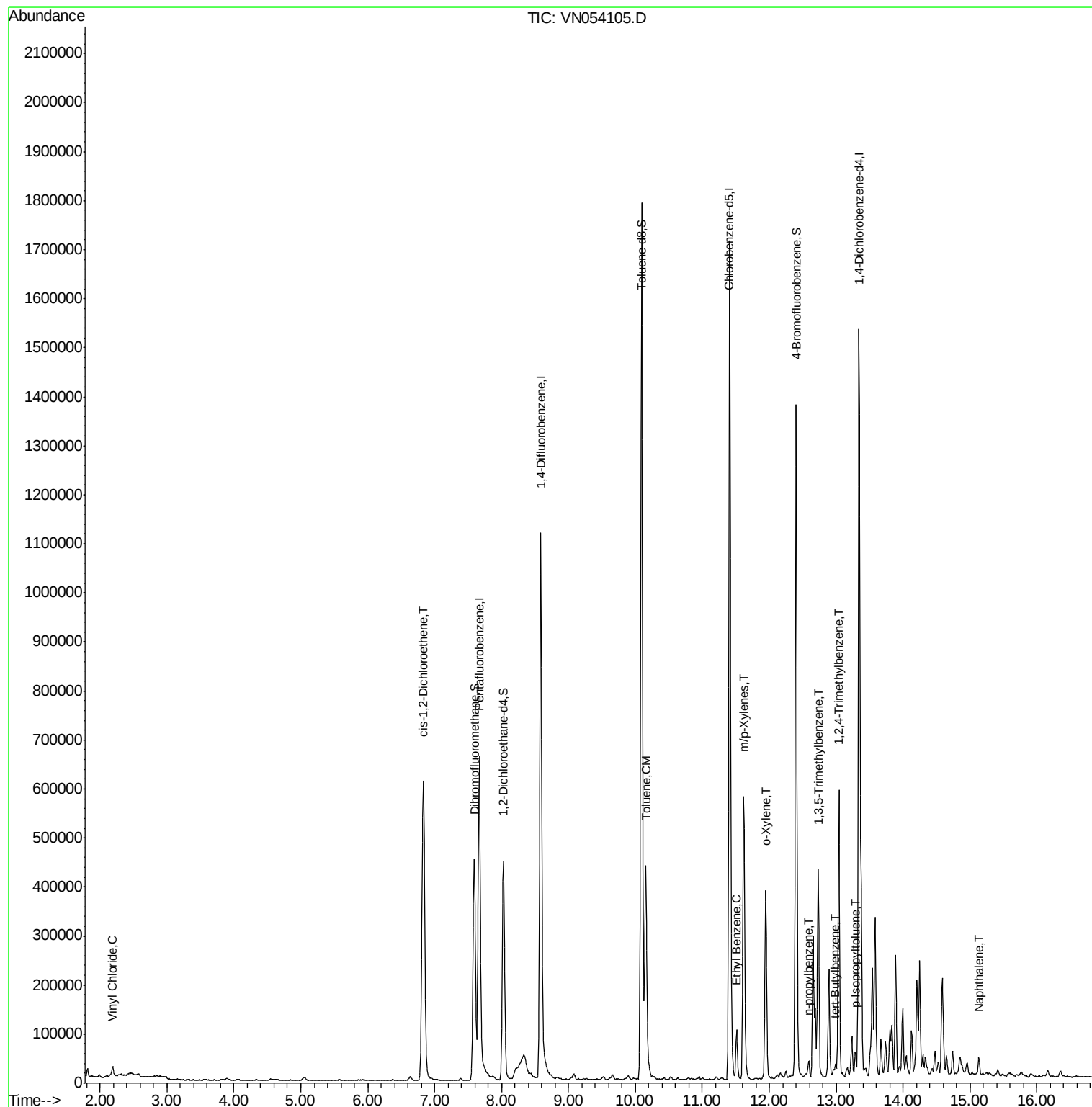
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	16814	2.150	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	423182	58.261	ug/l	96
52) Toluene	10.16	92	187416	10.048	ug/l	99
67) Ethyl Benzene	11.51	91	75855	1.978	ug/l	99
68) m/p-Xylenes	11.62	106	192213	13.281	ug/l	97
69) o-Xylene	11.95	106	111779	7.860	ug/l	98
78) n-propylbenzene	12.59	91	27516	0.743	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	206868	7.764	ug/l	99
83) tert-Butylbenzene	12.99	119	11102	0.471	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	328112	12.336	ug/l	99
86) p-Isopropyltoluene	13.29	119	21656	0.796	ug/l	97
95) Naphthalene	15.13	128	32790	5.065	ug/l	98

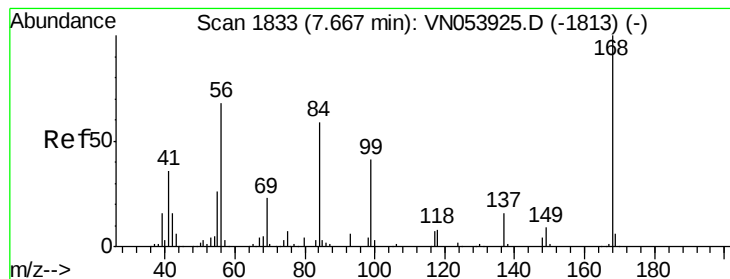
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054105.D

Acq: 5 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

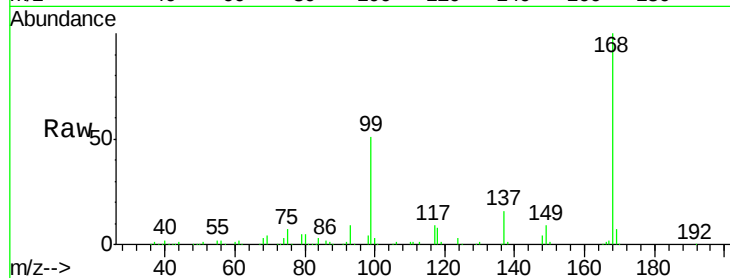
DUP-1DL

Tot Ion:168 Resp: 611296

Ion Ratio Lower Upper

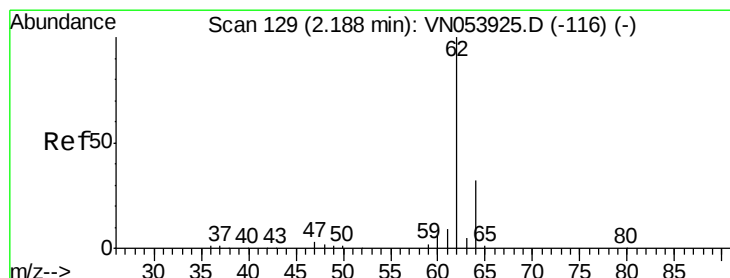
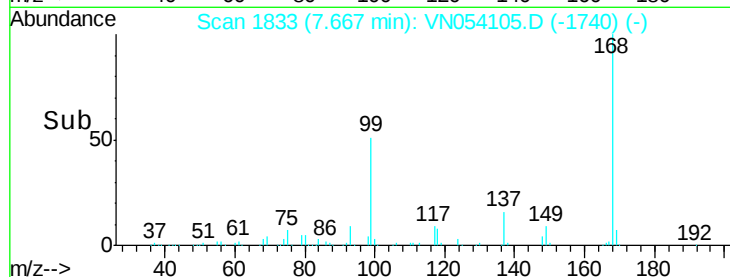
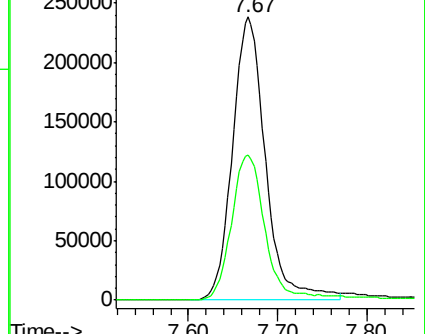
168 100

99 51.1 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 2.150 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054105.D

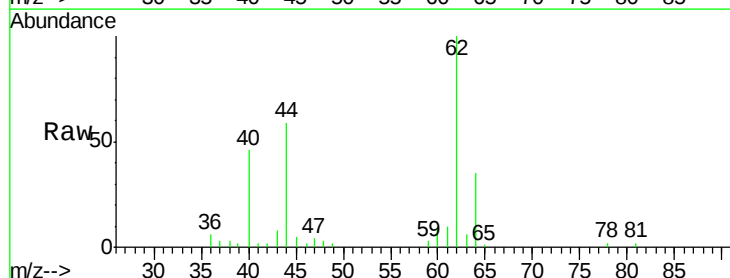
Acq: 5 Mar 2019 17:55

Tgt Ion: 62 Resp: 16814

Ion Ratio Lower Upper

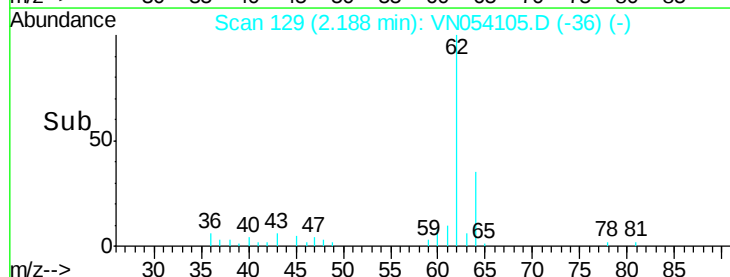
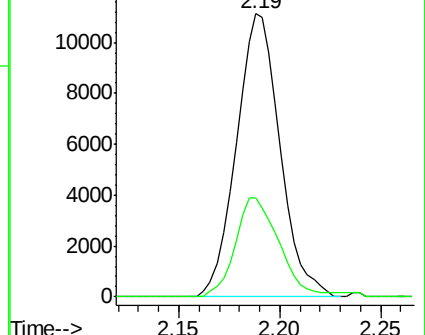
62 100

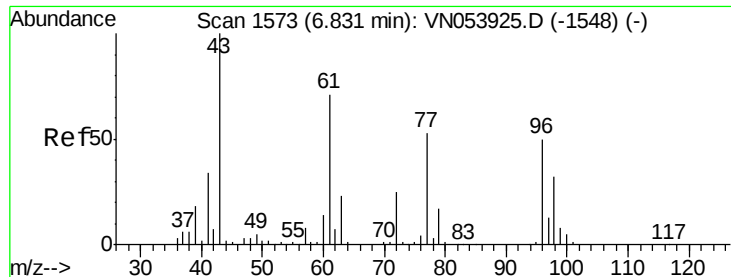
64 35.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#27

cis-1,2-Dichloroethene

Concen: 58.261 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054105.D

Acq: 5 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

DUP-1DL

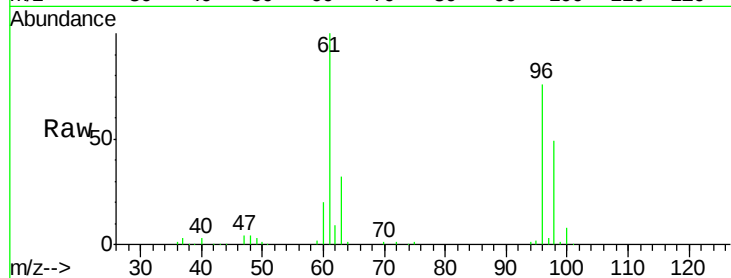
Tot Ion: 96 Resp: 423182

Ion Ratio Lower Upper

96 100

61 131.7 0.0 275.6

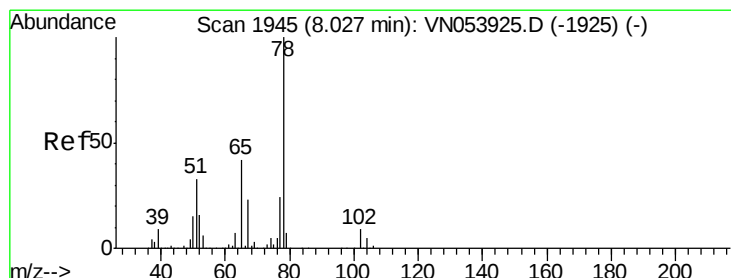
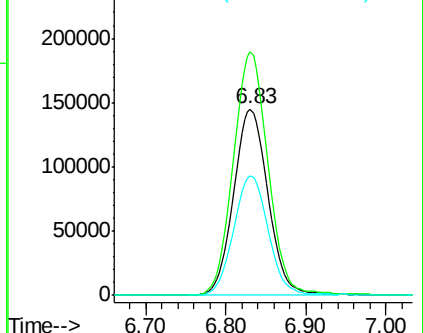
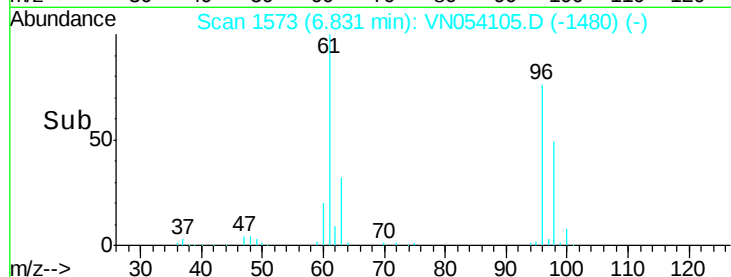
98 64.5 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.948 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054105.D

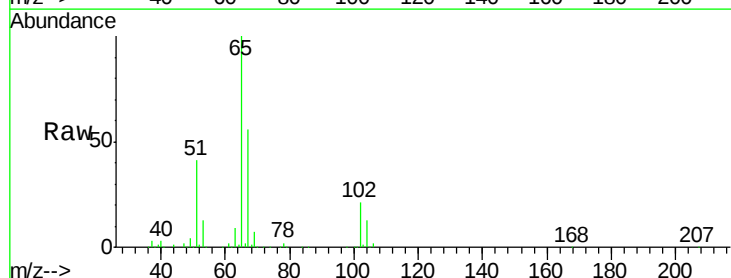
Acq: 5 Mar 2019 17:55

Tgt Ion: 65 Resp: 379414

Ion Ratio Lower Upper

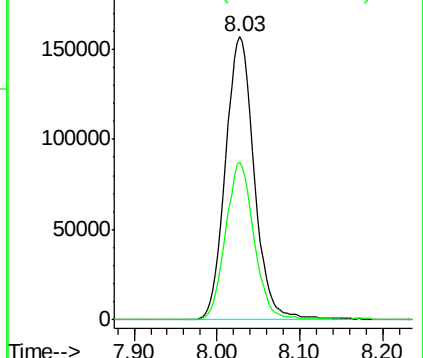
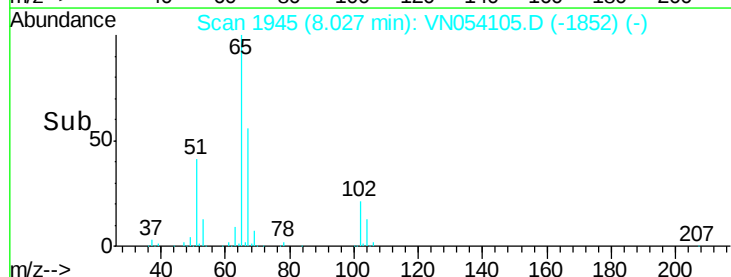
65 100

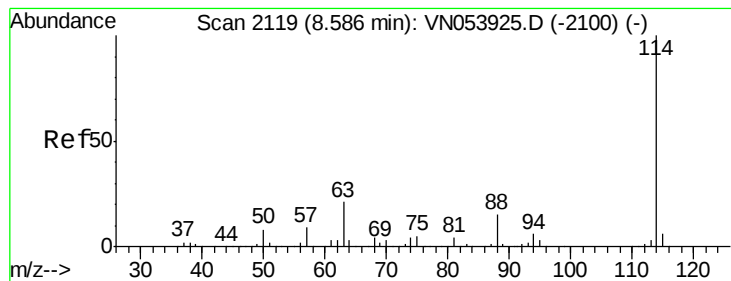
67 55.1 0.0 111.8



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: VN054105.D

Acq: 5 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

DUP-1DL

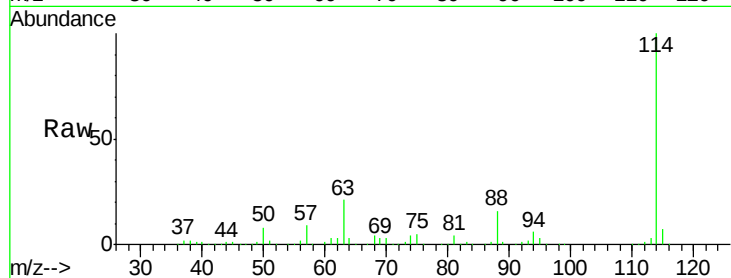
Tot Ion:114 Resp: 1108810

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

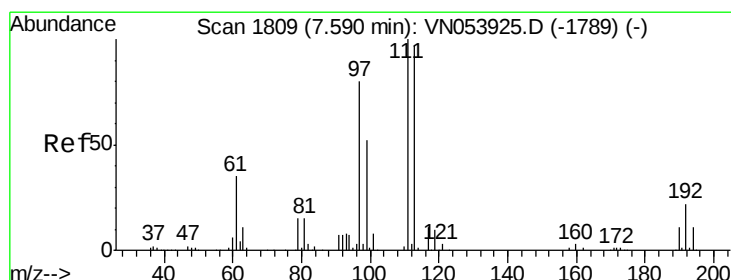
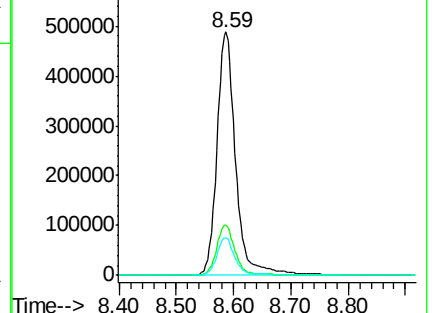
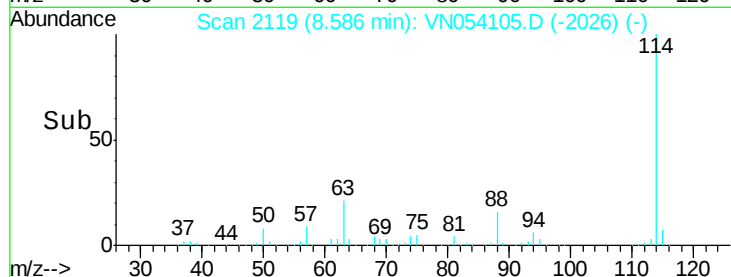
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.105 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054105.D

Acq: 5 Mar 2019 17:55

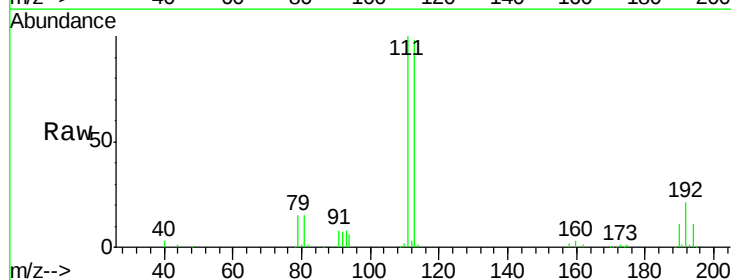
Tgt Ion:113 Resp: 352090

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

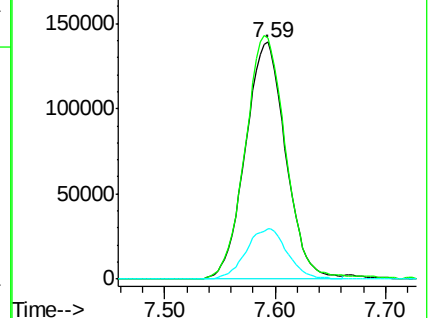
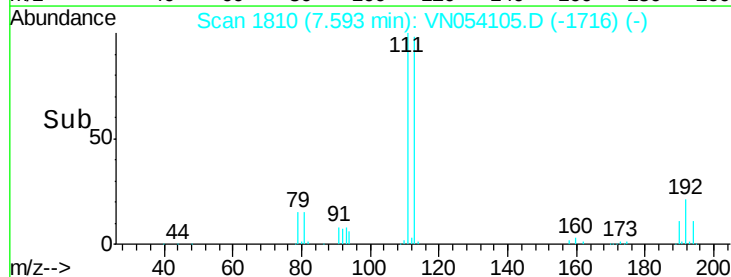
192 21.8 18.8 28.2

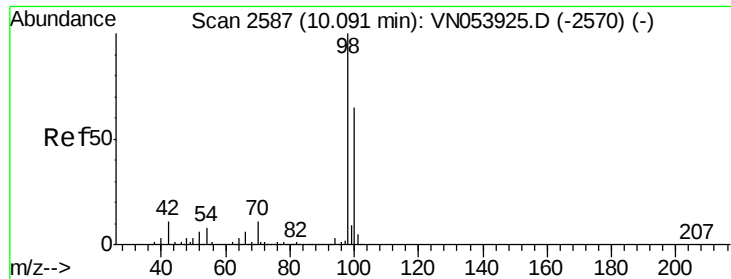


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

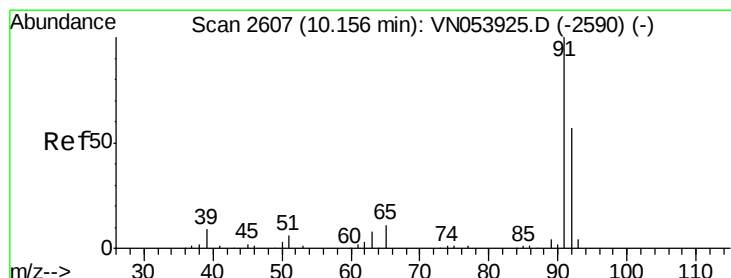
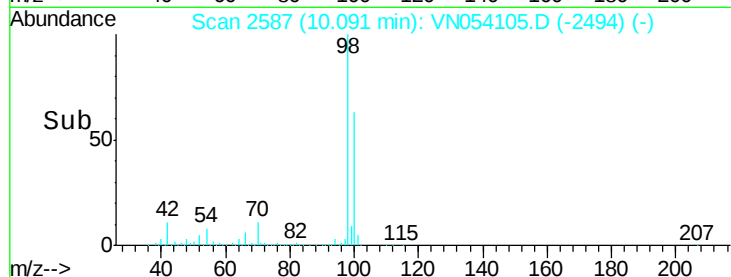
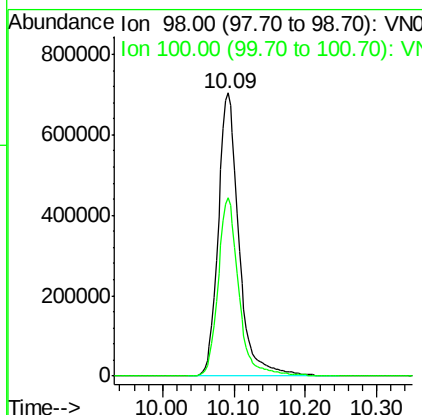
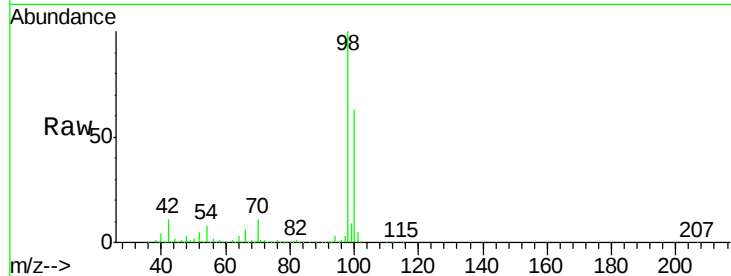




#50
Toluene-d8
Concen: 52.989 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

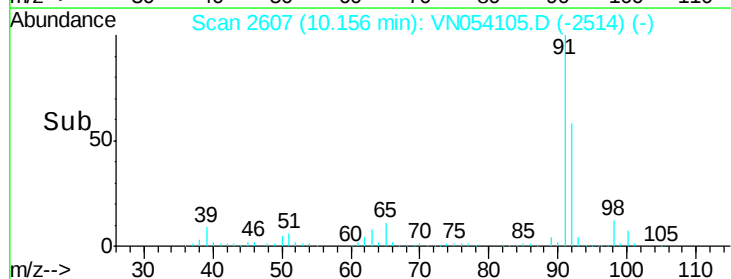
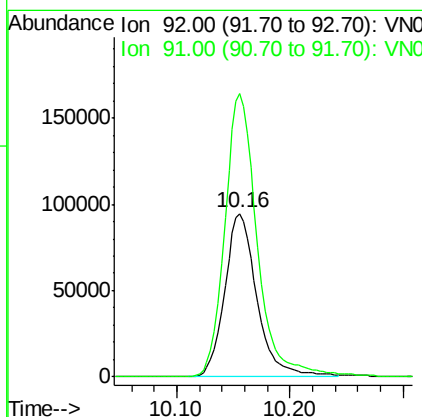
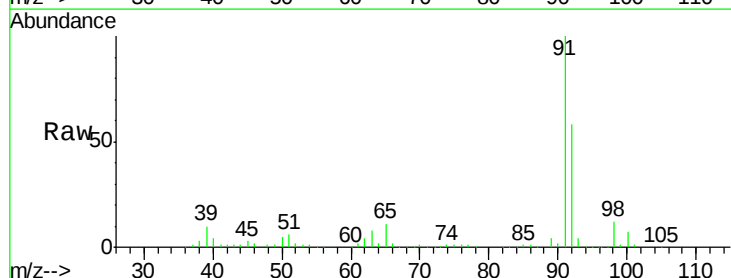
Instrument :
MSVOA_N
ClientSampleId :
DUP-1DL

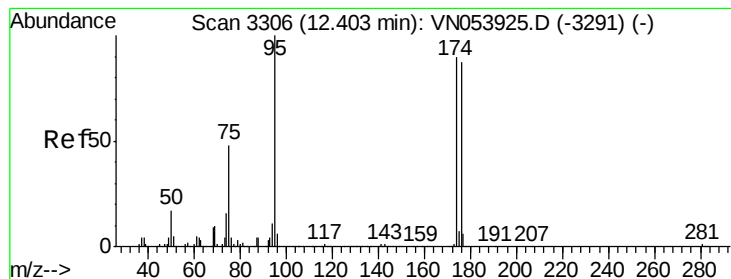
Tot Ion: 98 Resp: 1414346
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9



#52
Toluene
Concen: 10.048 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

Tgt Ion: 92 Resp: 187416
Ion Ratio Lower Upper
92 100
91 175.0 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 54.621 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054105.D

Acq: 5 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

DUP-1DL

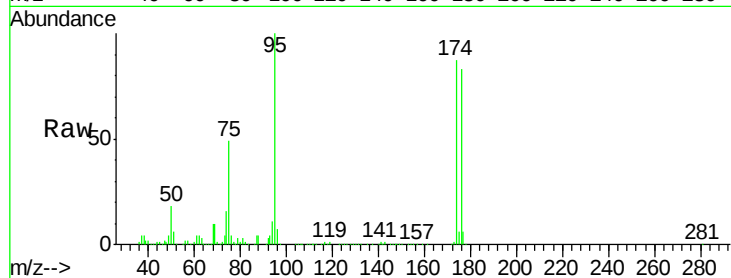
Tot Ion: 95 Resp: 485739

Ion Ratio Lower Upper

95 100

174 88.3 0.0 188.8

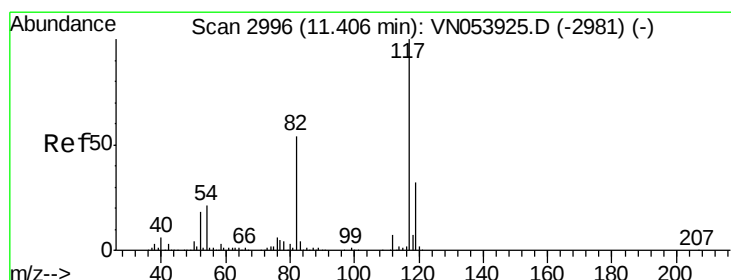
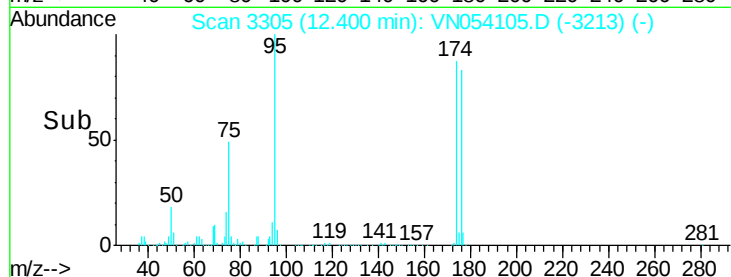
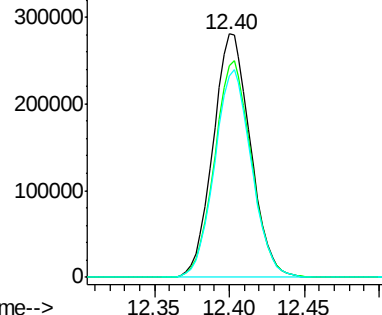
176 84.8 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054105.D

Acq: 5 Mar 2019 17:55

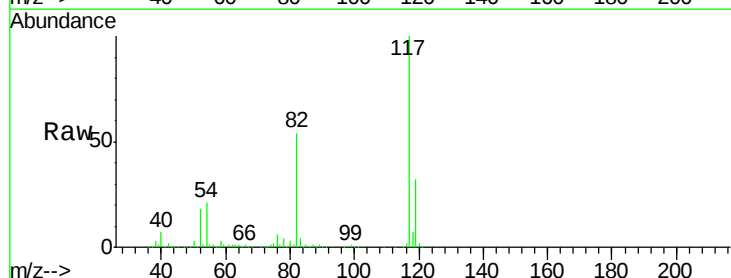
Tgt Ion: 117 Resp: 1083818

Ion Ratio Lower Upper

117 100

82 54.3 41.4 62.2

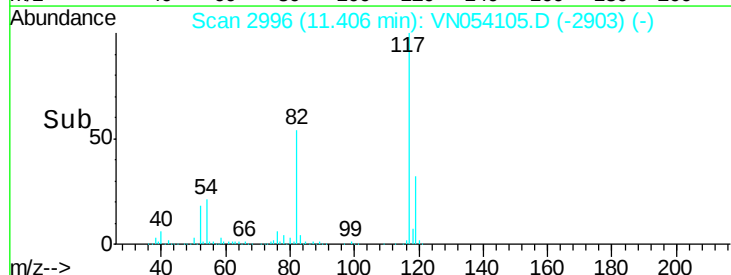
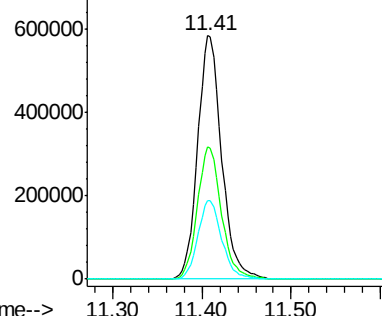
119 32.4 25.3 37.9

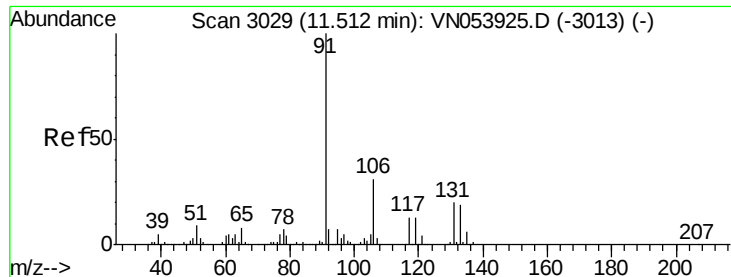


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

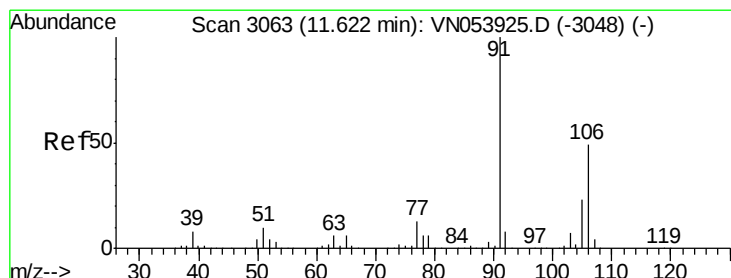
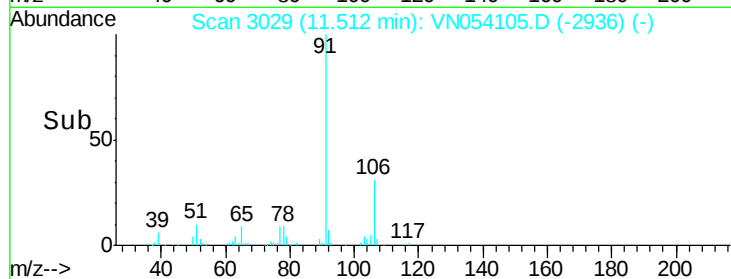
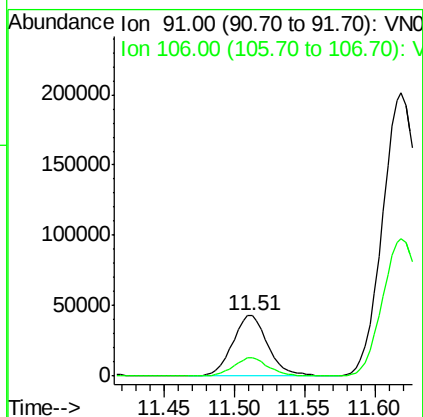
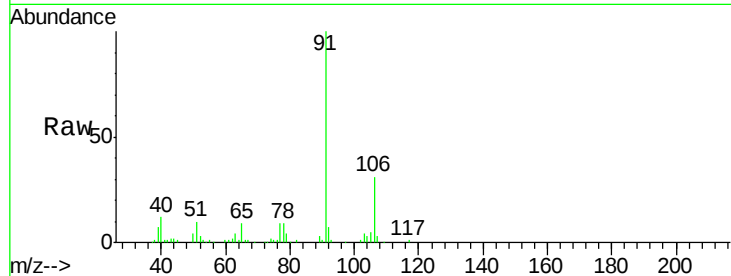




#67
Ethyl Benzene
Concen: 1.978 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

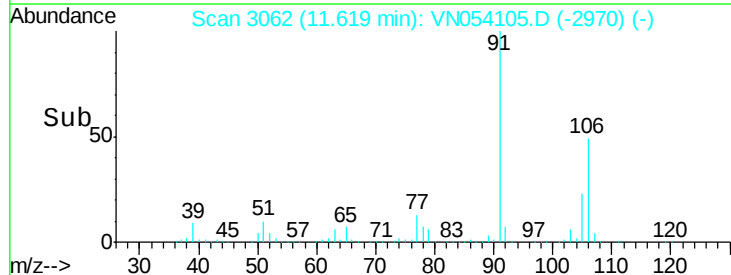
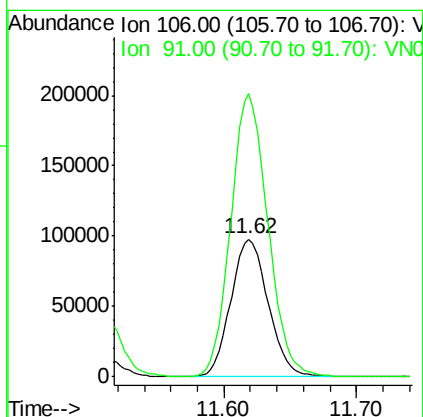
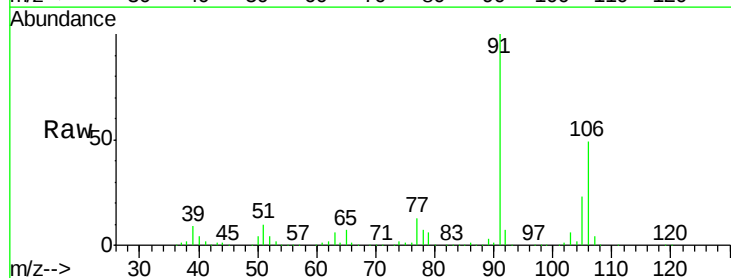
Instrument :
MSVOA_N
ClientSampled :
DUP-1DL

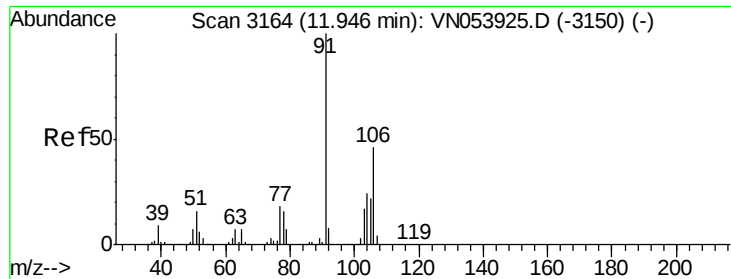
Tot Ion: 91 Resp: 75855
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 13.281 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

Tgt Ion: 106 Resp: 192213
Ion Ratio Lower Upper
106 100
91 203.7 158.9 238.3

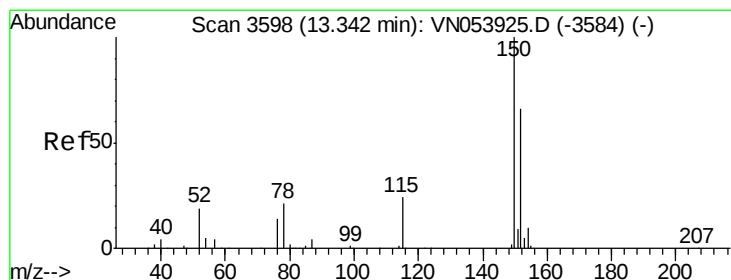
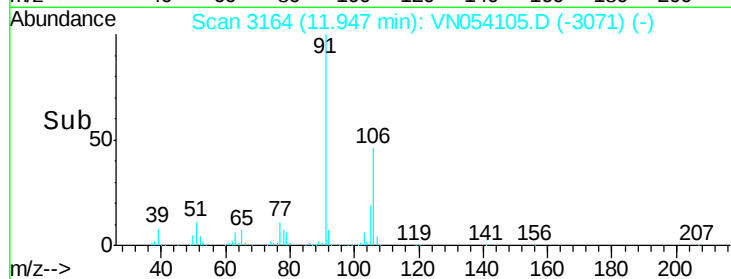
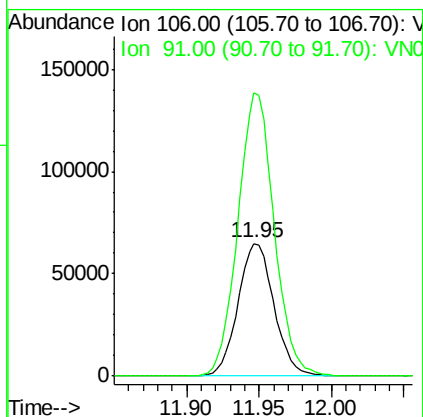
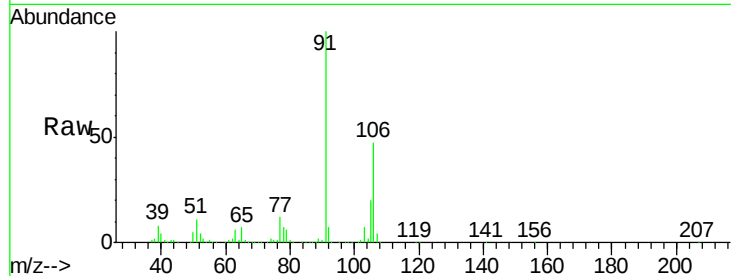




#69
o-Xylene
Concen: 7.860 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

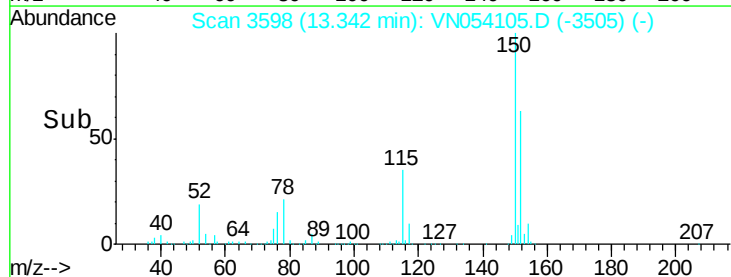
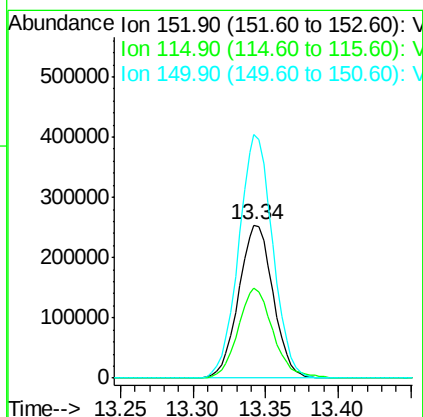
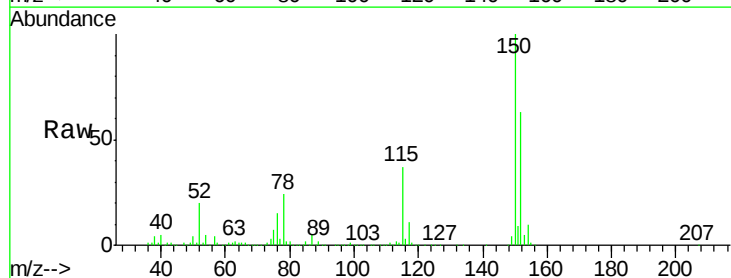
Instrument :
MSVOA_N
ClientSampled :
DUP-1DL

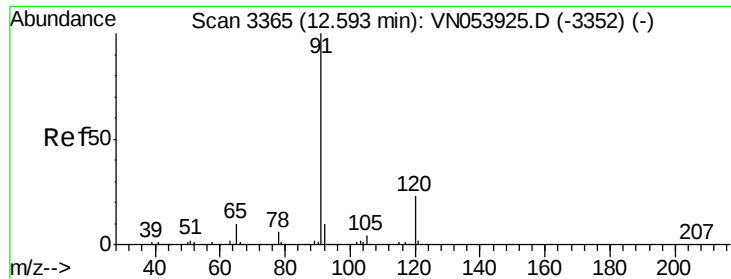
Tot Ion:106 Resp: 111779
Ion Ratio Lower Upper
106 100
91 215.6 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

Tgt Ion:152 Resp: 418074
Ion Ratio Lower Upper
152 100
115 59.3 27.2 81.6
150 157.3 0.0 348.2





#78

n-propylbenzene

Concen: 0.743 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054105.D

Acq: 5 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

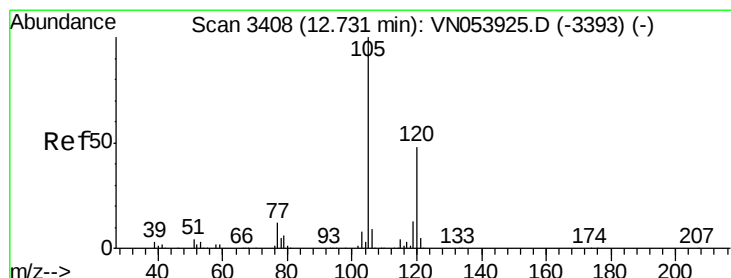
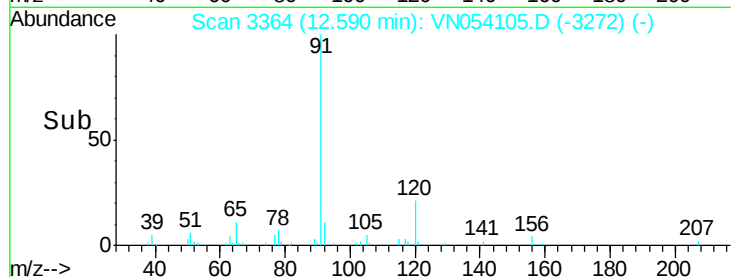
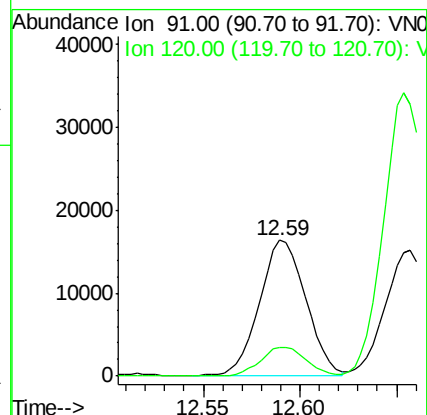
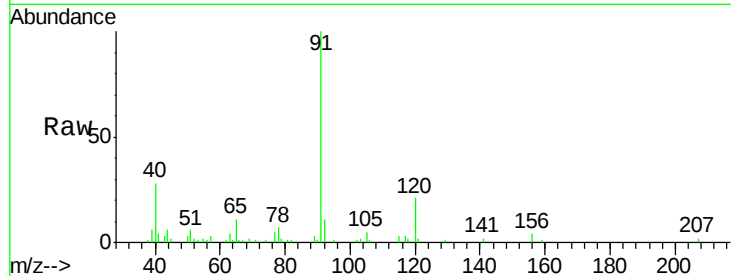
DUP-1DL

Tot Ion: 91 Resp: 27516

Ion Ratio Lower Upper

91 100

120 21.0 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 7.764 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054105.D

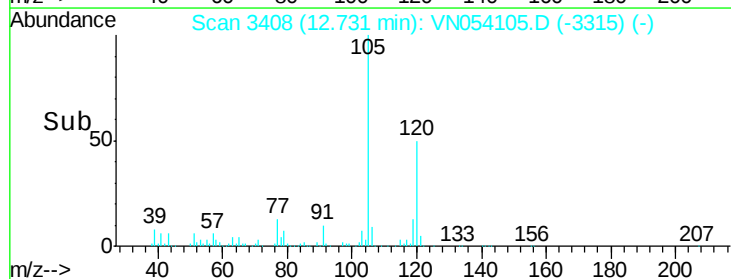
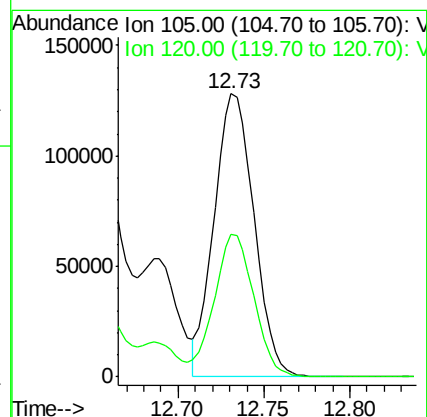
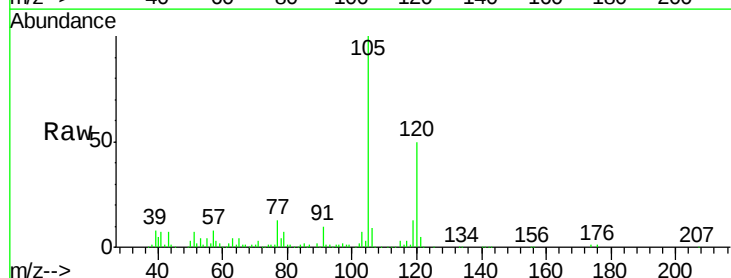
Acq: 5 Mar 2019 17:55

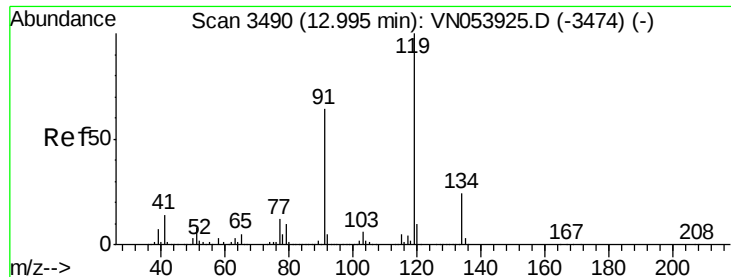
Tgt Ion: 105 Resp: 206868

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.2

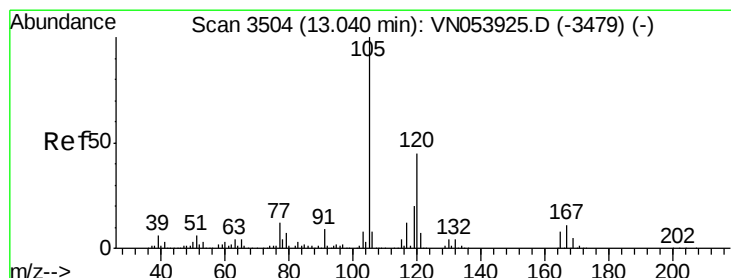
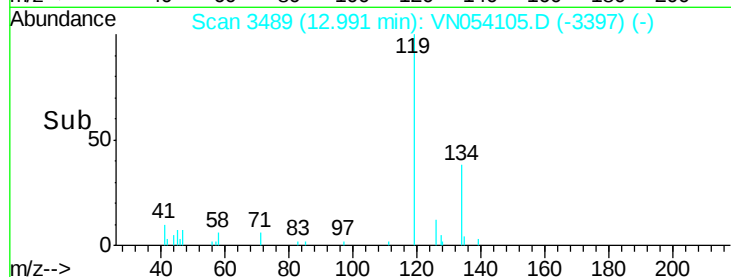
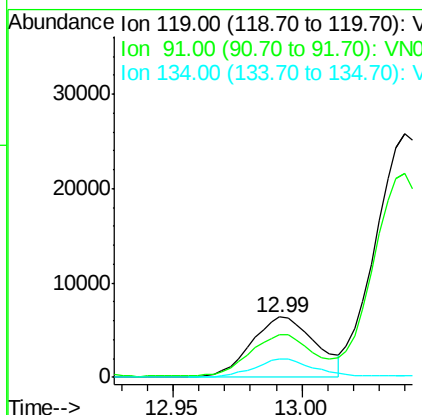
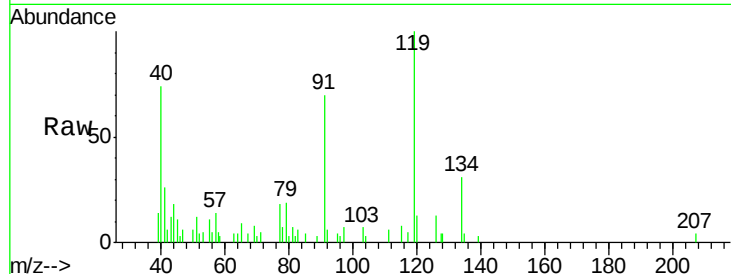




#83
tert-Butylbenzene
Concen: 0.471 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

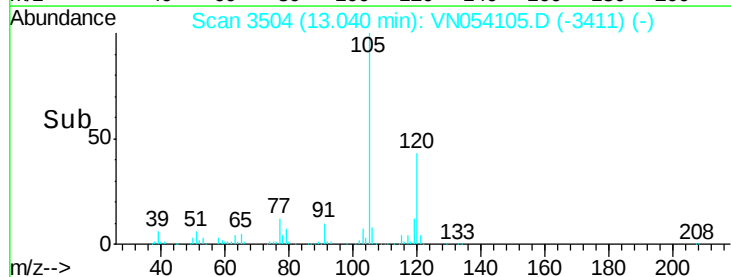
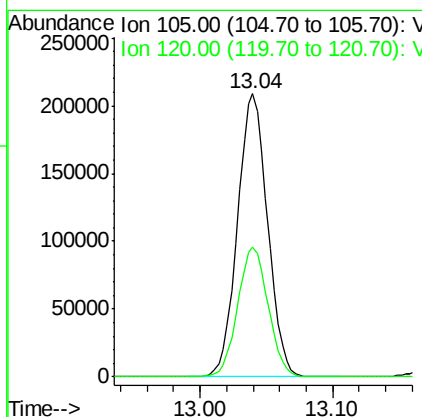
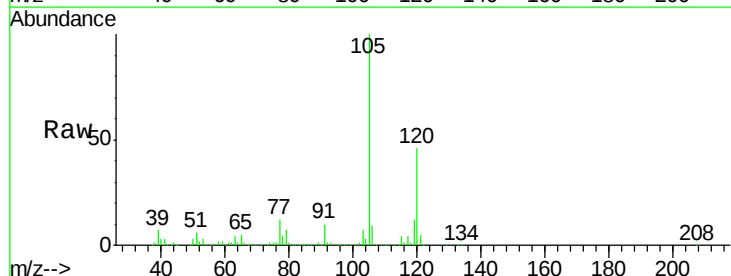
Instrument :
MSVOA_N
ClientSampled :
DUP-1DL

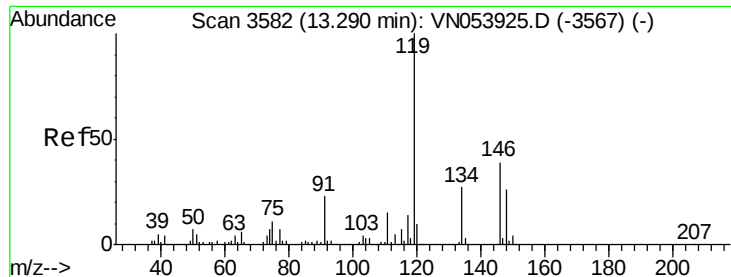
Tot Ion:119 Resp: 11102
Ion Ratio Lower Upper
119 100
91 64.3 30.6 91.8
134 29.6 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 12.336 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054105.D
Acq: 5 Mar 2019 17:55

Tgt Ion:105 Resp: 328112
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.5

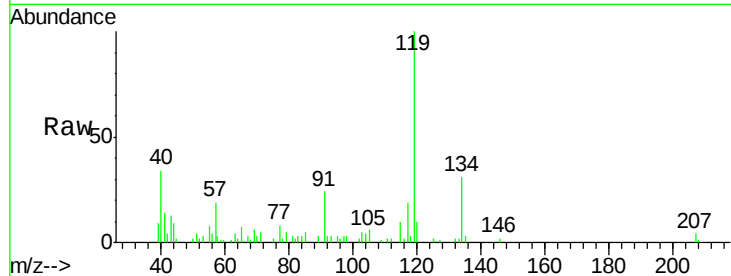




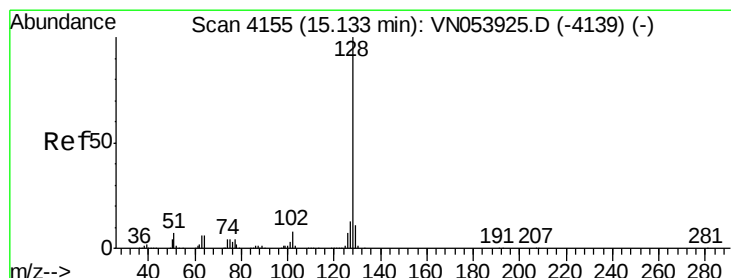
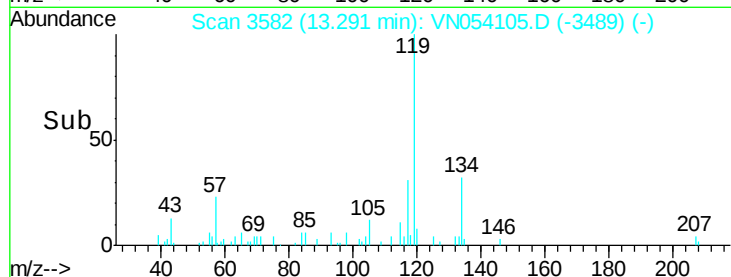
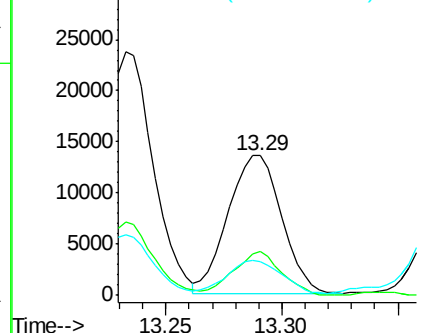
#86
 p-Isopropyltoluene
 Concen: 0.796 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054105.D
 Acq: 5 Mar 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1DL

Tot Ion:119 Resp: 21656
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.5 40.4
 91 23.5 10.9 32.6

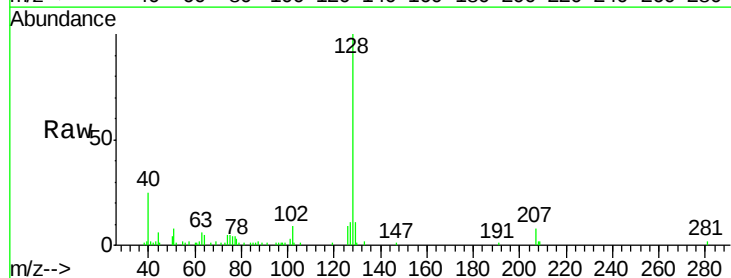


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 5.065 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054105.D
 Acq: 5 Mar 2019 17:55

Tgt Ion:128 Resp: 32790
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 12.0 8.6 12.8



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

