

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053020.D
 Acq On : 19 Dec 2018 19:17
 Operator : MD\SY
 Sample : J6378-15ME
 Misc : 5.02µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

Quant Time: Dec 20 07:04:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

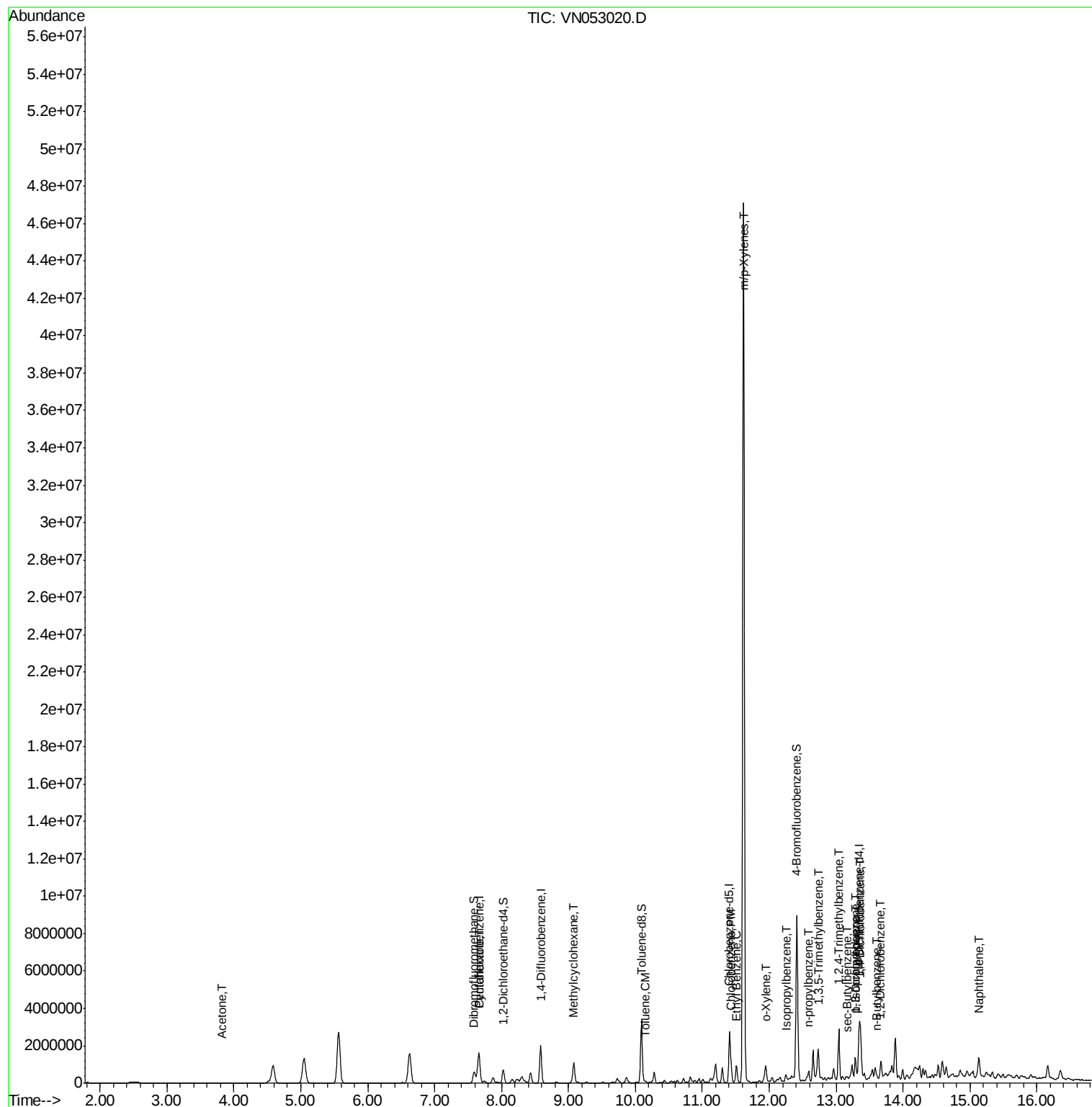
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1265655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1891524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1648512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	684169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	584766	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
35) Dibromofluoromethane	7.59	113	449603	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
50) Toluene-d8	10.09	98	2350693	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	722401	44.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.72%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	8264	3.282	ug/l #	88
31) Cyclohexane	7.65	56	207705	8.471	ug/l #	93
39) Methylcyclohexane	9.08	83	492060	22.311	ug/l	100
52) Toluene	10.16	92	25043	0.748	ug/l	99
65) Chlorobenzene	11.43	112	391229	10.706	ug/l	99
67) Ethyl Benzene	11.51	91	645321	10.269	ug/l	99
68) m/p-Xylenes	11.62	106	14253353	596.608	ug/l #	1
69) o-Xylene	11.95	106	238516	10.404	ug/l	100
73) Isopropylbenzene	12.25	105	249745	4.665	ug/l	100
78) n-propylbenzene	12.59	91	465971	7.643	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	574637	13.170	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1589492	36.238	ug/l	100
85) sec-Butylbenzene	13.17	105	63031	1.208	ug/l #	69
86) p-Isopropyltoluene	13.29	119	427339	9.475	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77065	3.129	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	766565	30.736	ug/l	98
89) n-Butylbenzene	13.61	91	92236	2.377	ug/l #	77
91) 1,2-Dichlorobenzene	13.65	146	20602m	0.889	ug/l	
95) Naphthalene	15.13	128	898639	33.787	ug/l	99

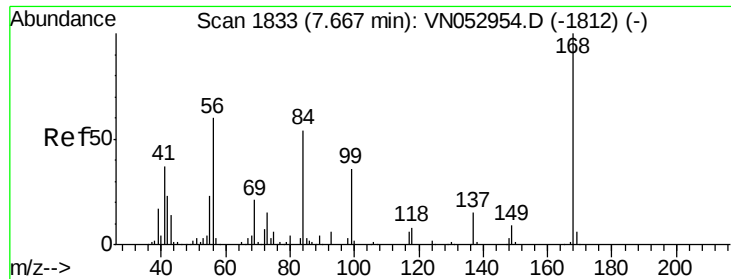
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

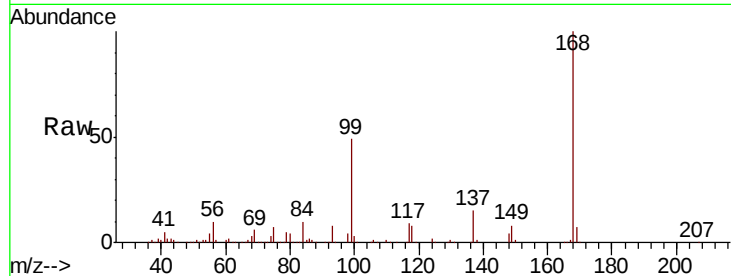
P001-SD013-0612-01ME

Tot Ion:168 Resp: 1265655

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053020.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053020.D (-1740) (-)

7.66

600000

500000

400000

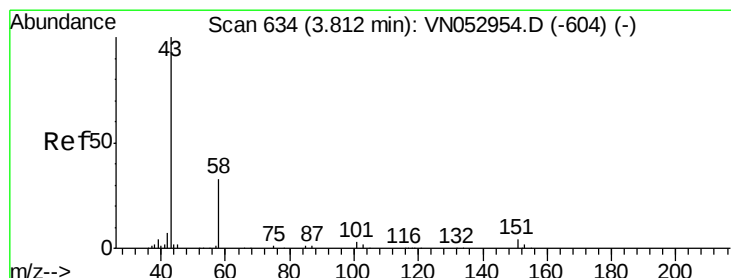
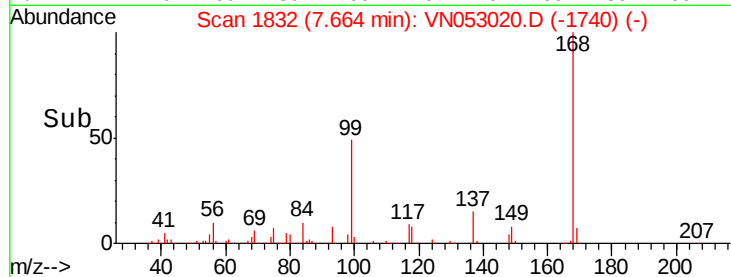
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.282 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053020.D

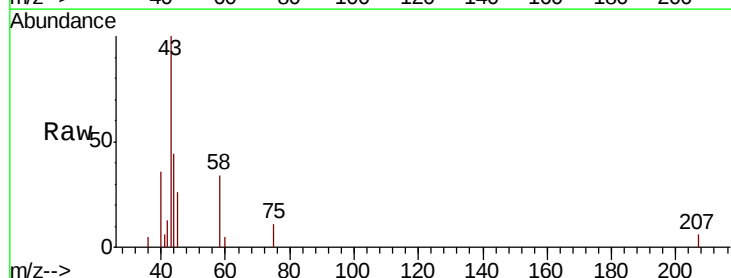
Acq: 19 Dec 2018 19:17

Tgt Ion: 43 Resp: 8264

Ion Ratio Lower Upper

43 100

58 38.5 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN053020.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053020.D (-541) (-)

3.82

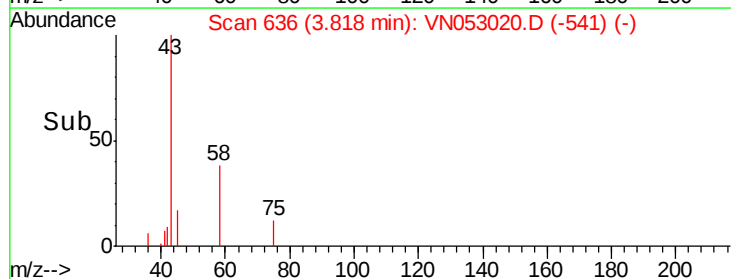
3000

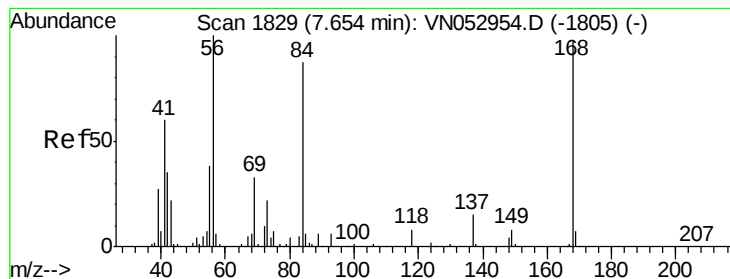
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 8.471 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

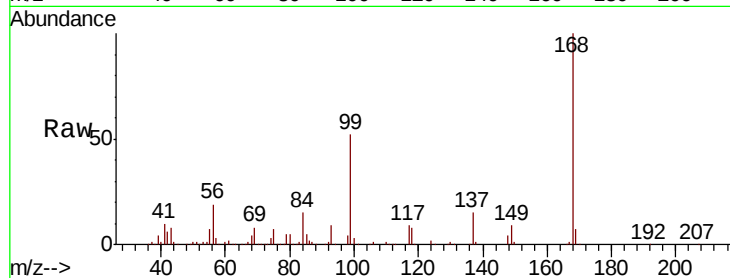
Tot Ion: 56 Resp: 207705

Ion Ratio Lower Upper

56 100

69 42.2 26.6 39.8#

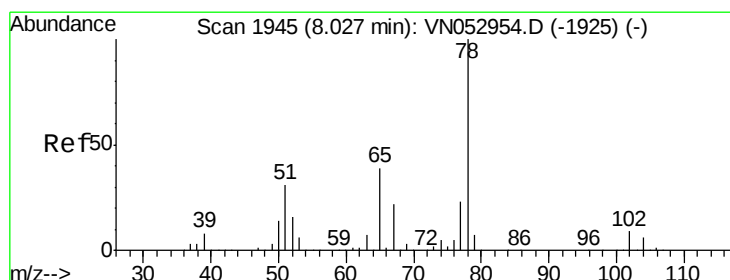
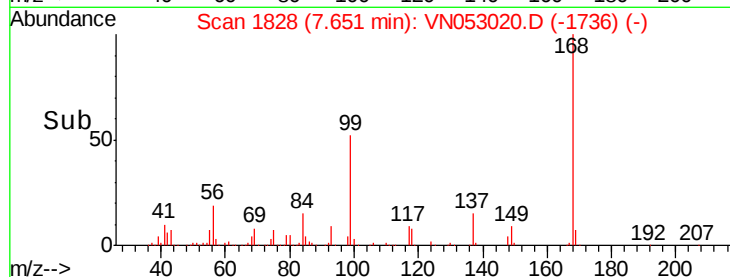
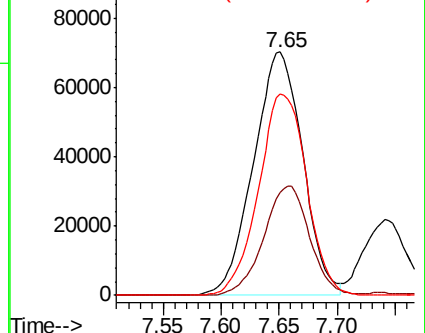
84 82.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053020.D

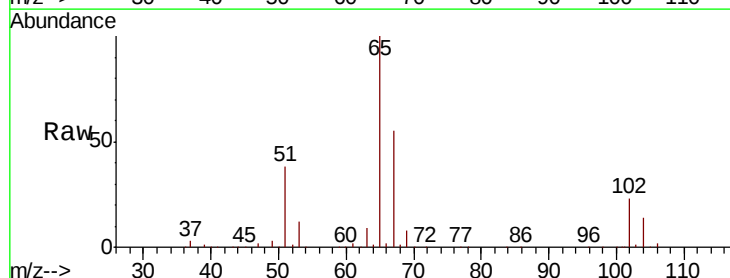
Acq: 19 Dec 2018 19:17

Tgt Ion: 65 Resp: 584766

Ion Ratio Lower Upper

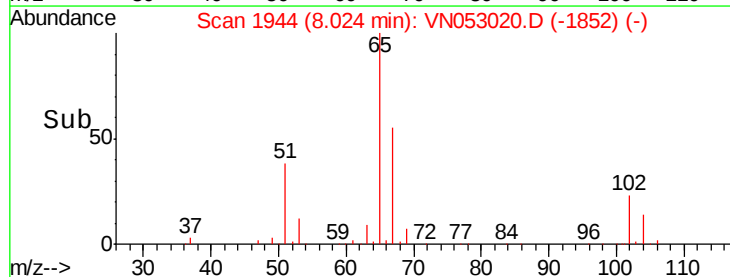
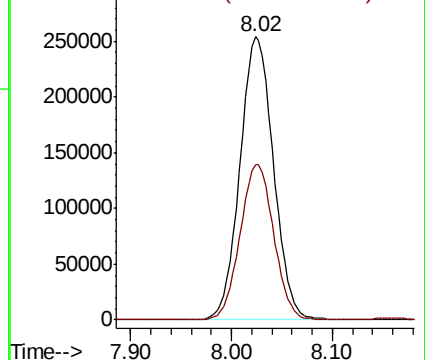
65 100

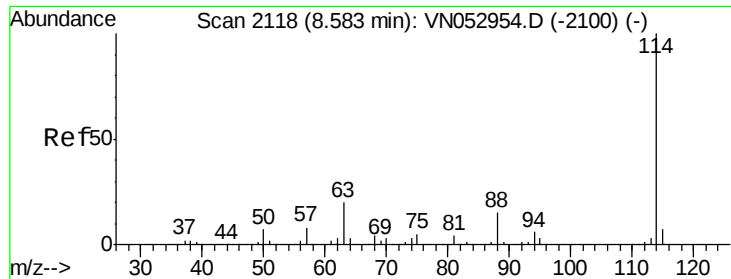
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

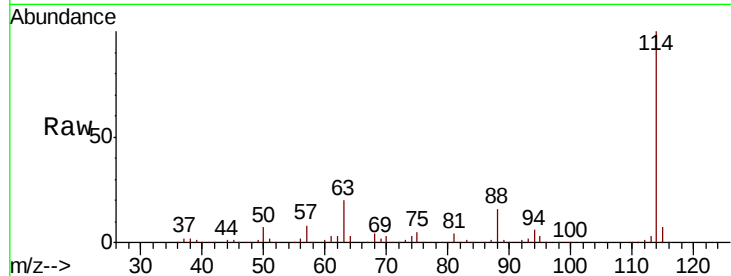




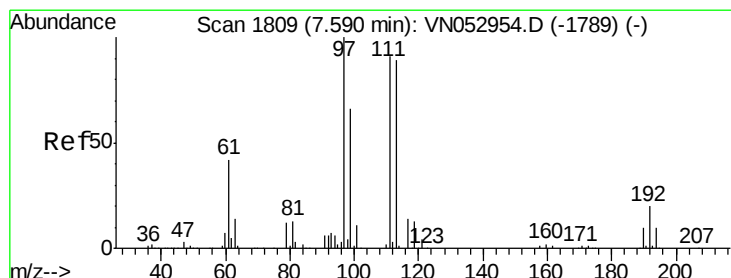
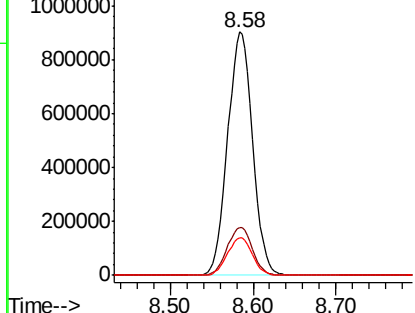
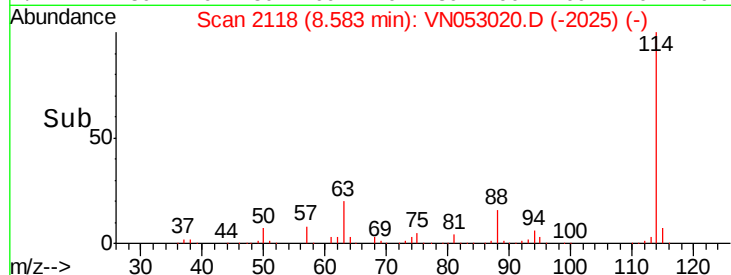
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

Tot Ion:114 Resp: 1891524
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0

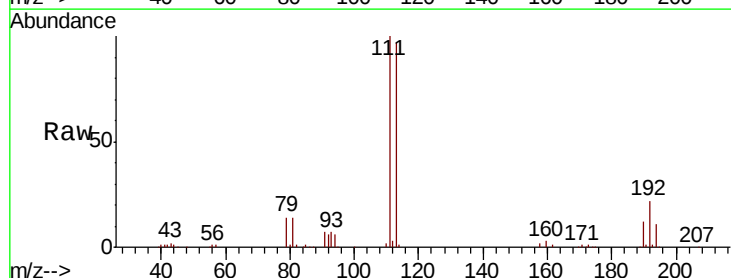


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

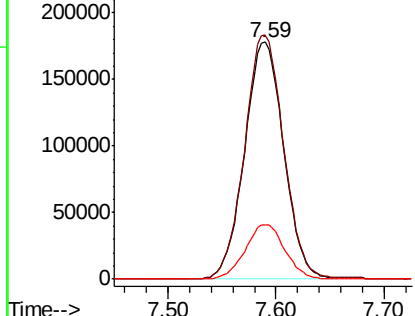
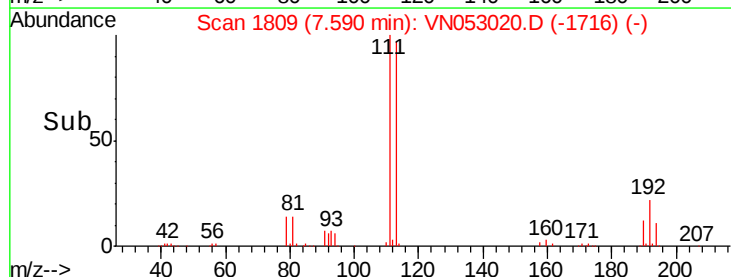


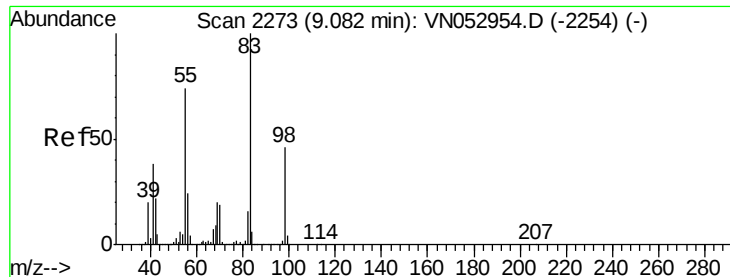
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Tgt Ion:113 Resp: 449603
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.4
 192 23.1 17.5 26.3



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

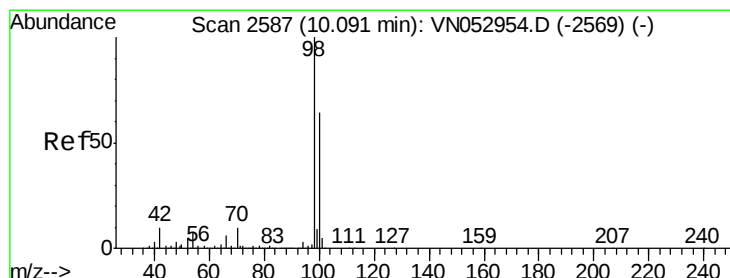
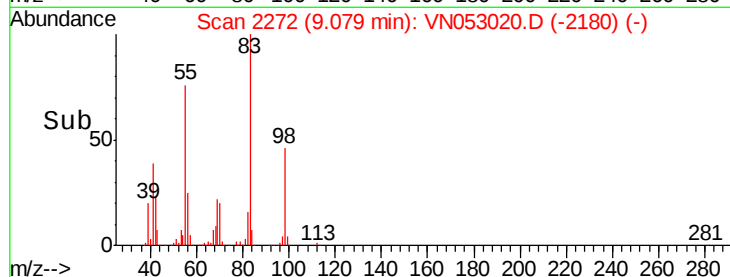
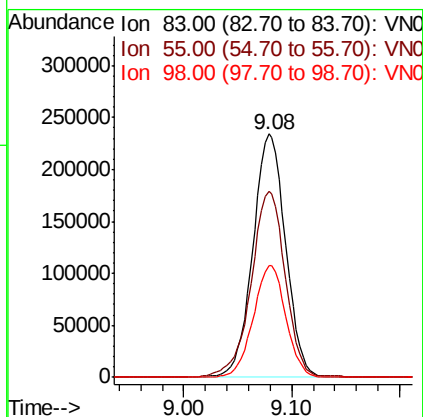
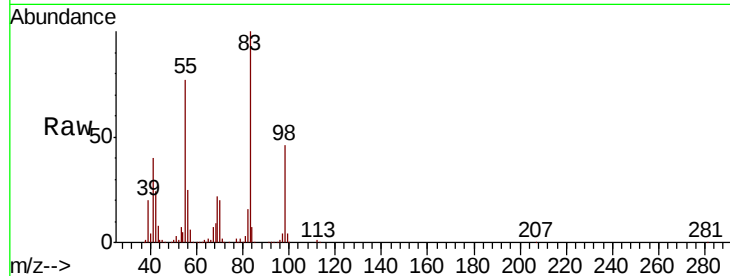




#39
Methylcyclohexane
Concen: 22.311 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

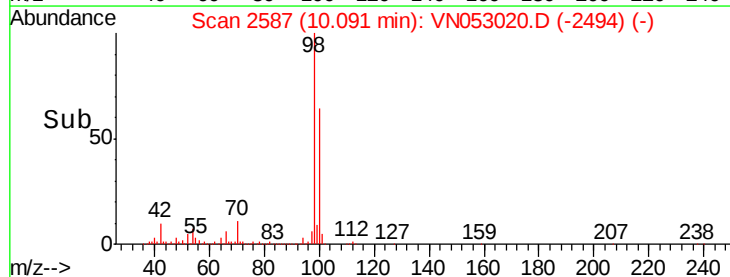
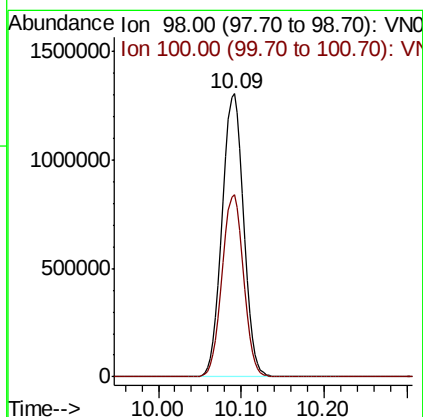
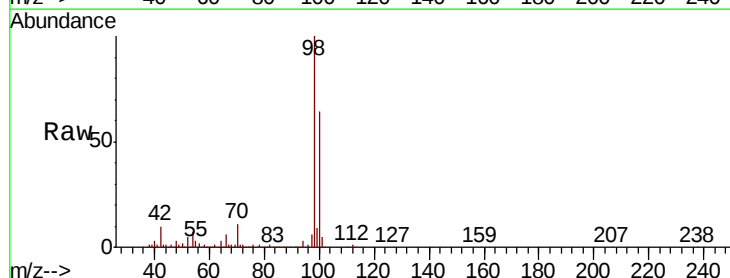
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

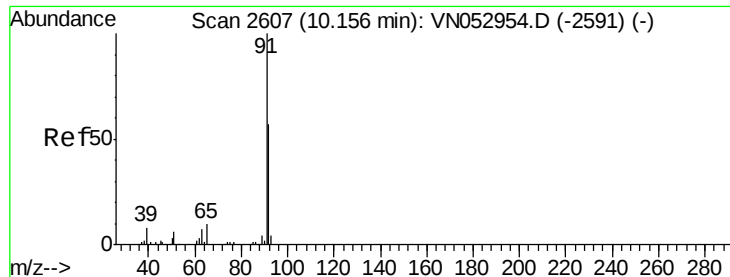
Tot Ion: 83 Resp: 492060
Ion Ratio Lower Upper
83 100
55 76.4 61.3 91.9
98 45.8 37.0 55.4



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 98 Resp: 2350693
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#52

Toluene

Concen: 0.748 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

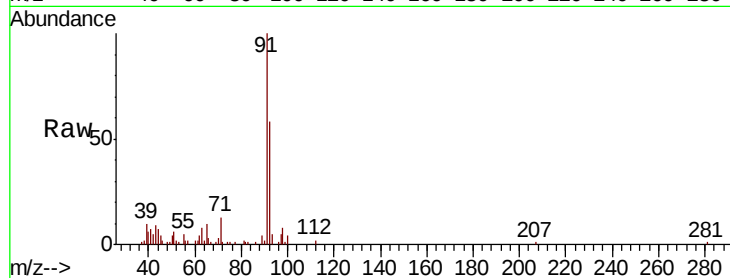
P001-SD013-0612-01ME

Tot Ion: 92 Resp: 25043

Ion Ratio Lower Upper

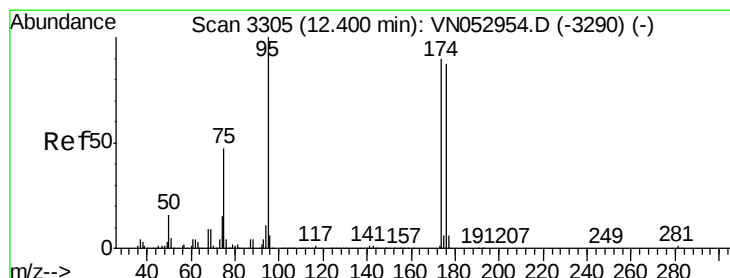
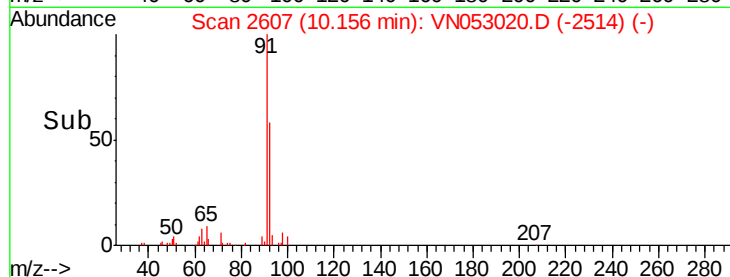
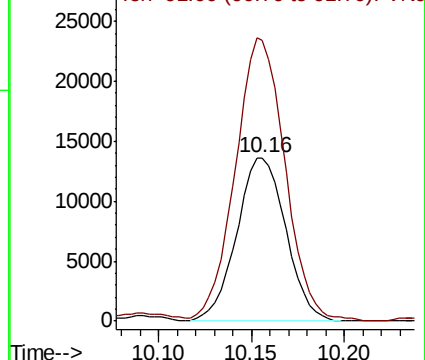
92 100

91 175.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

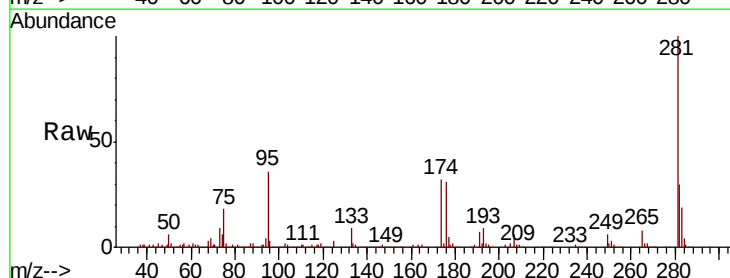
Tgt Ion: 95 Resp: 722401

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

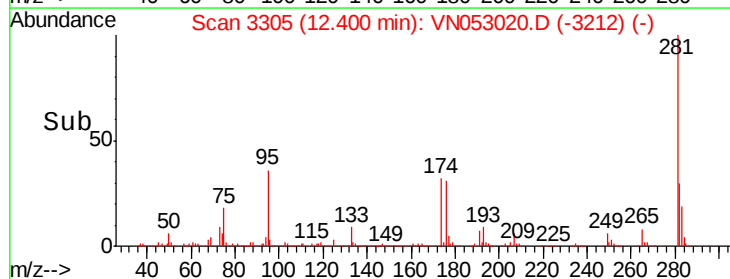
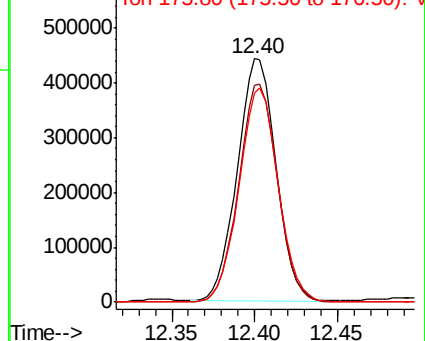
176 89.1 0.0 173.8

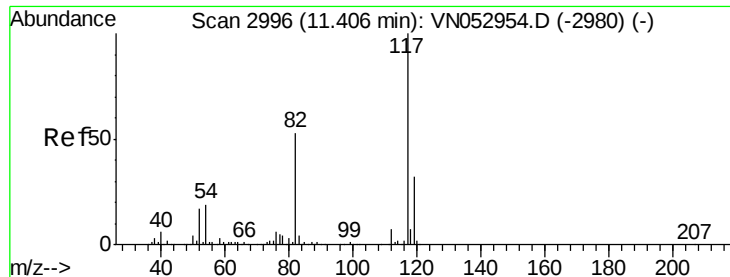


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

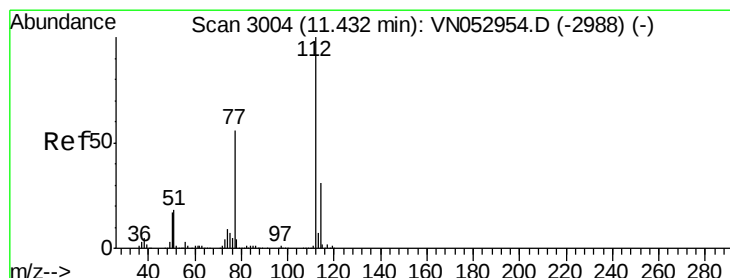
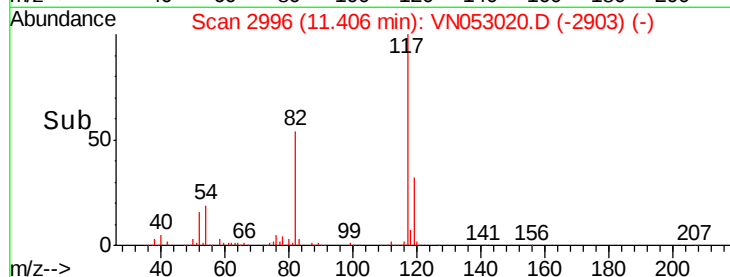
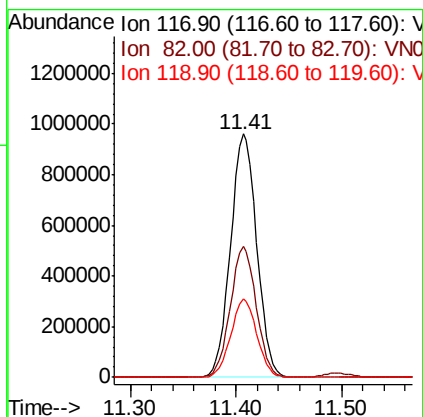
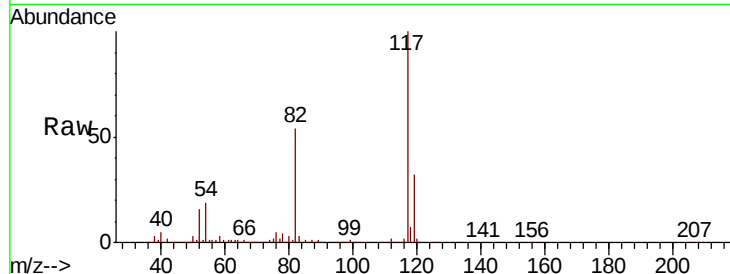




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

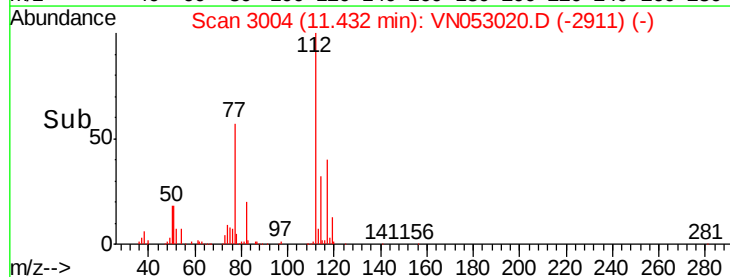
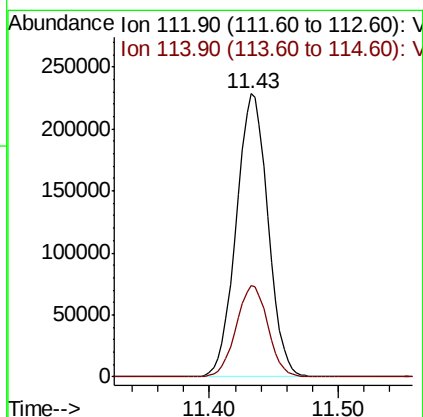
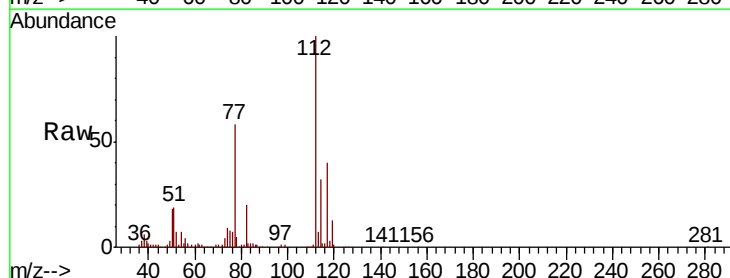
Instrument :
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ClientSampleId :
P001-SD013-0612-01ME

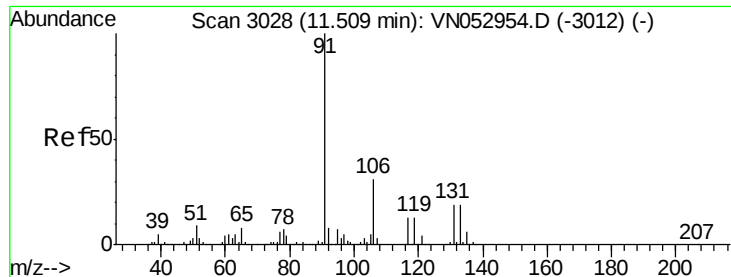
Tot Ion:117 Resp: 1648512
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.0 25.5 38.3



#65
Chlorobenzene
Concen: 10.706 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion:112 Resp: 391229
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3





#67

Ethyl Benzene

Concen: 10.269 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

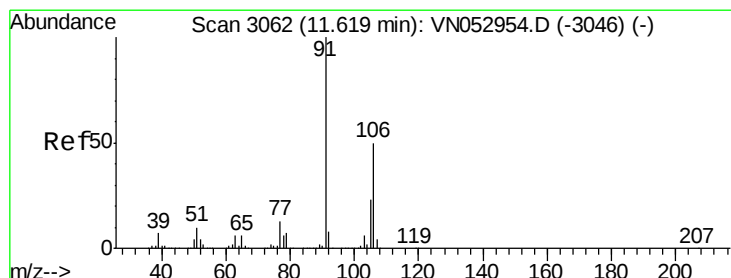
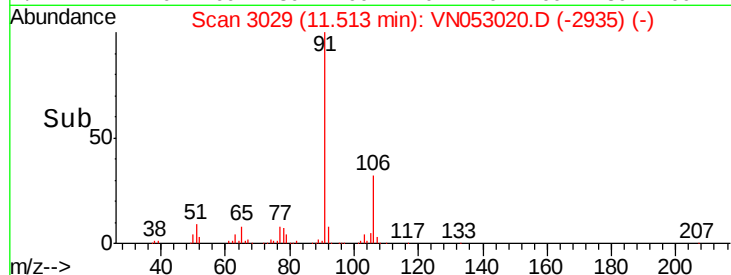
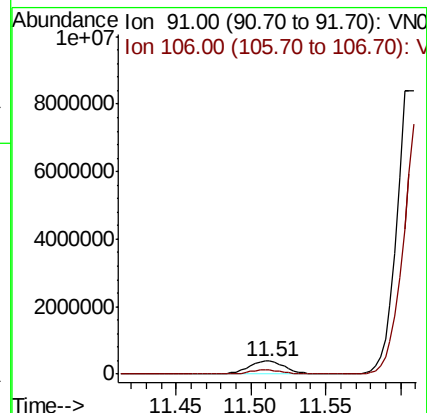
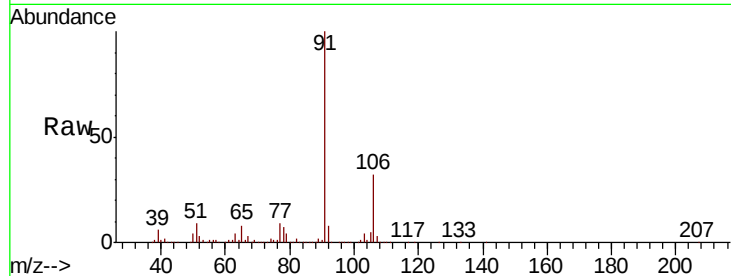
P001-SD013-0612-01ME

Tot Ion: 91 Resp: 645321

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



#68

m/p-Xylenes

Concen: 596.608 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN053020.D

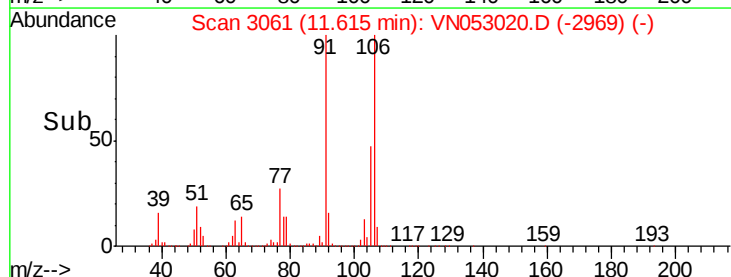
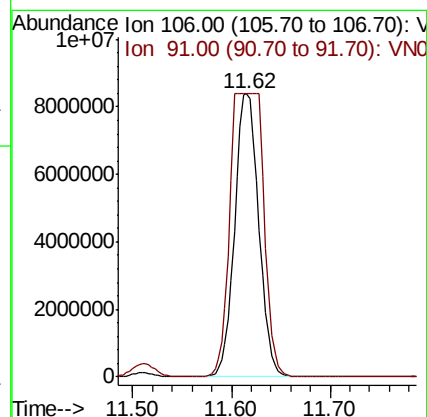
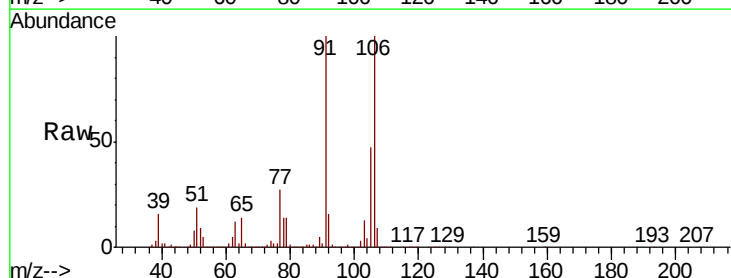
Acq: 19 Dec 2018 19:17

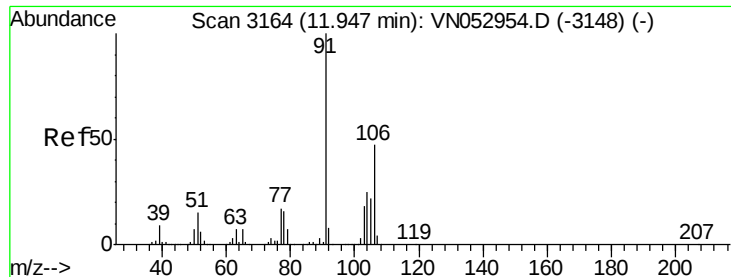
Tgt Ion: 106 Resp: 14253353

Ion Ratio Lower Upper

106 100

91 0.0 162.2 243.4#

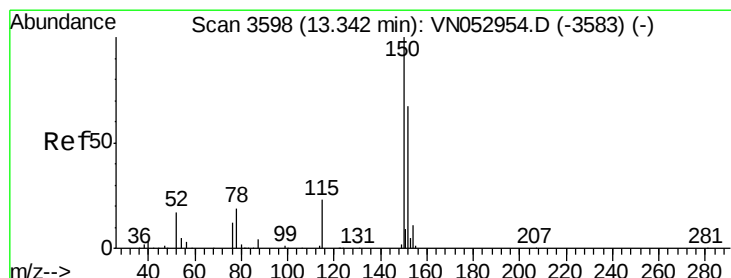
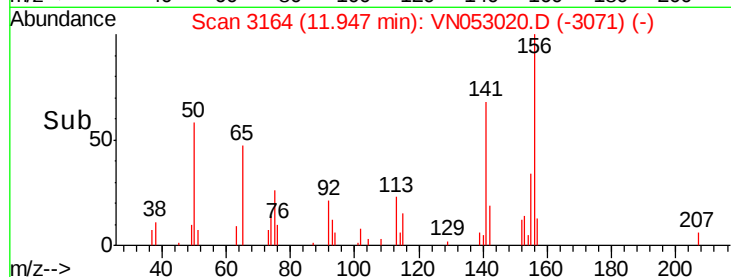
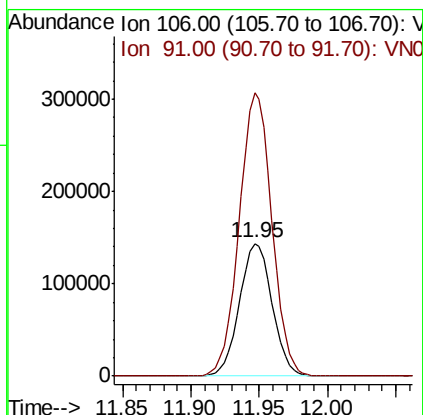
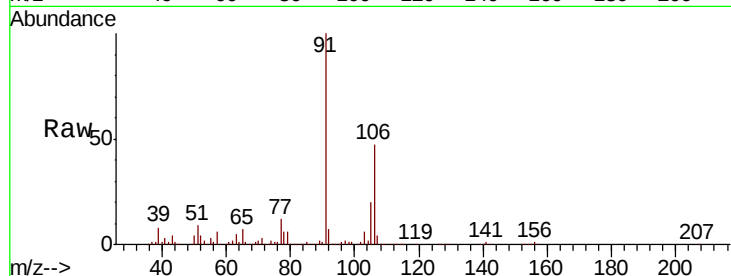




#69
o-Xylene
Concen: 10.404 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

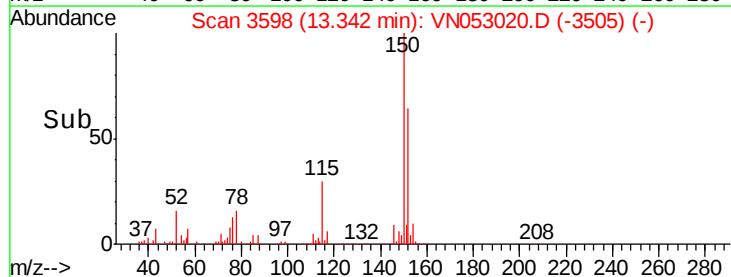
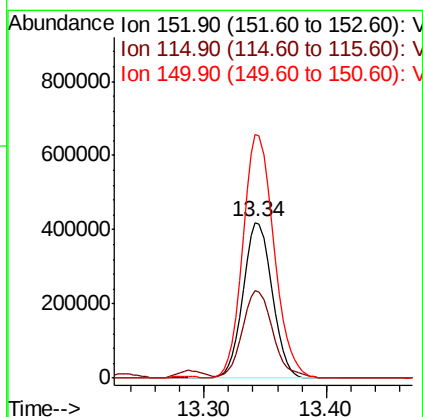
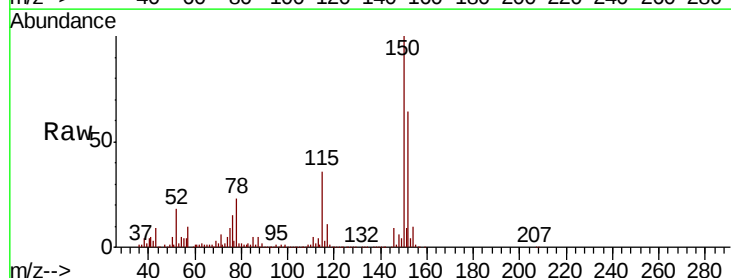
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

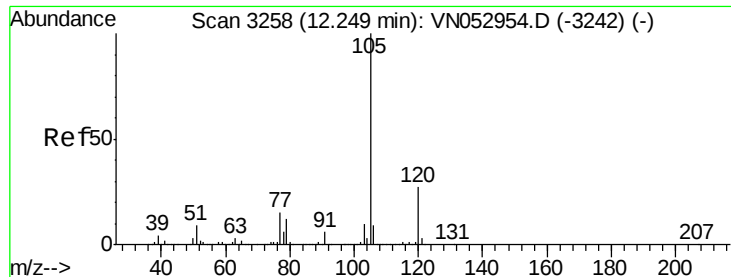
Tot Ion:106 Resp: 238516
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion:152 Resp: 684169
Ion Ratio Lower Upper
152 100
115 59.1 28.3 85.0
150 168.1 0.0 347.8





#73

Isopropylbenzene

Concen: 4.665 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

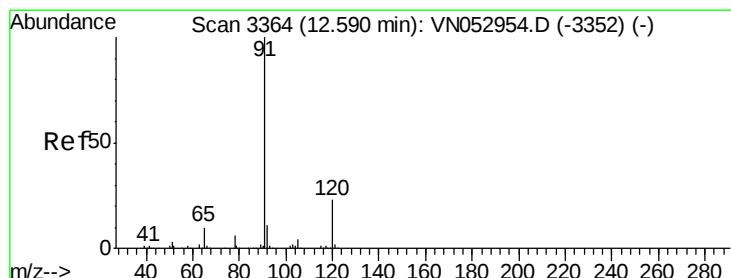
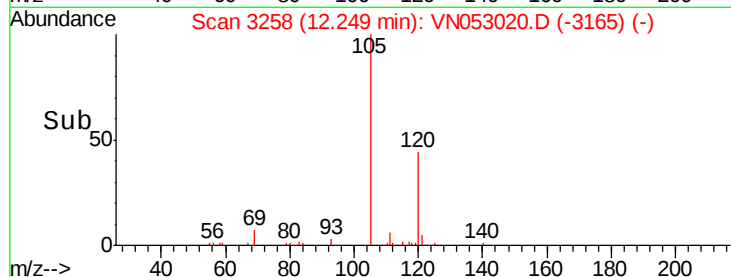
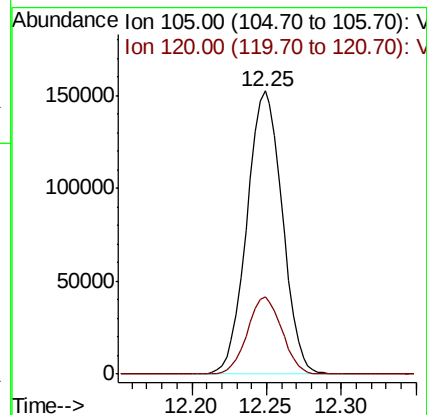
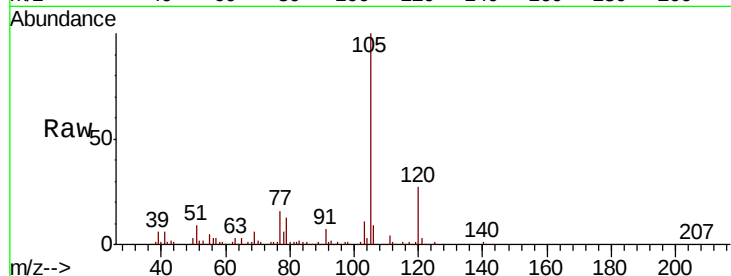
P001-SD013-0612-01ME

Tot Ion:105 Resp: 249745

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#78

n-propylbenzene

Concen: 7.643 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053020.D

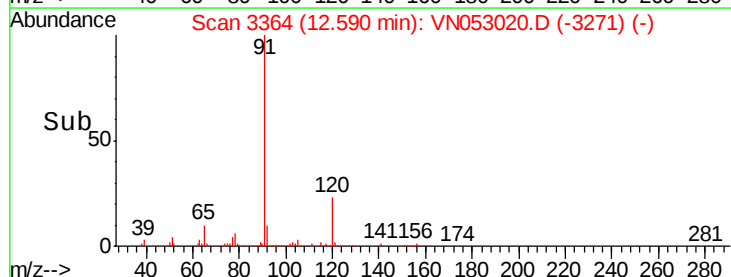
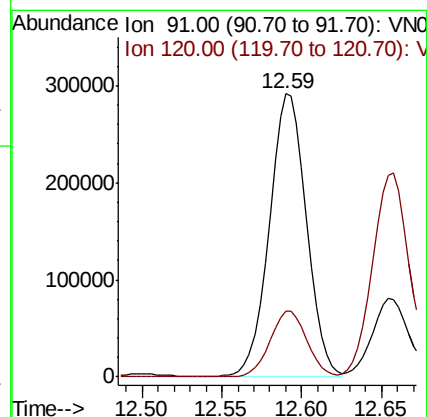
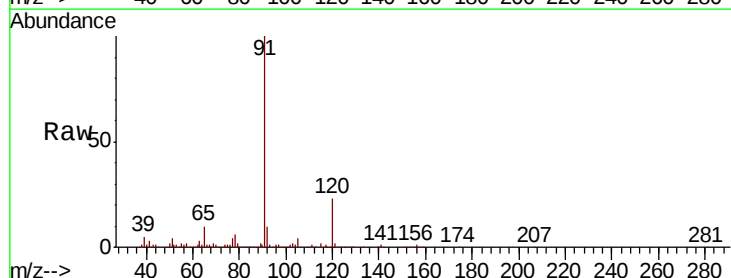
Acq: 19 Dec 2018 19:17

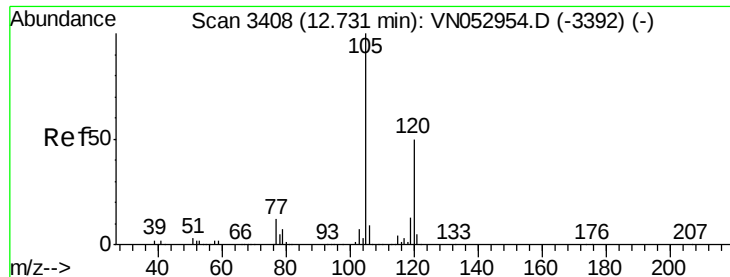
Tgt Ion: 91 Resp: 465971

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 13.170 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

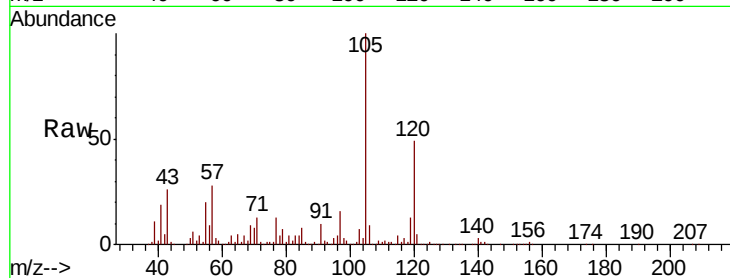
P001-SD013-0612-01ME

Tot Ion:105 Resp: 574637

Ion Ratio Lower Upper

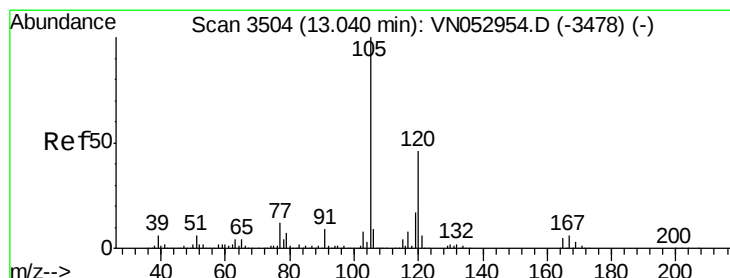
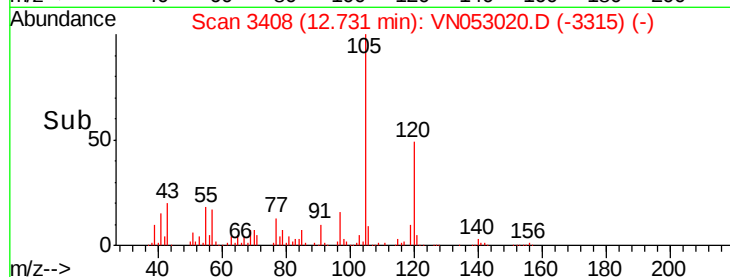
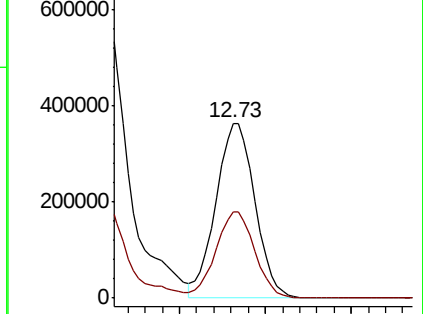
105 100

120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 36.238 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053020.D

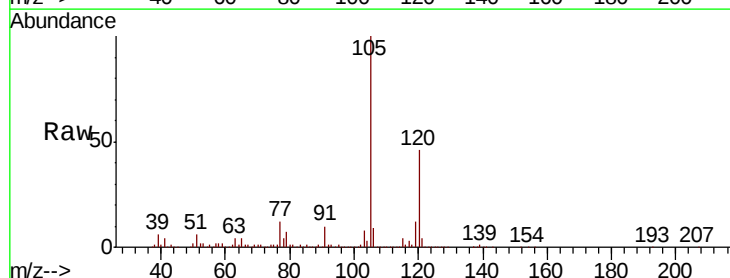
Acq: 19 Dec 2018 19:17

Tgt Ion:105 Resp: 1589492

Ion Ratio Lower Upper

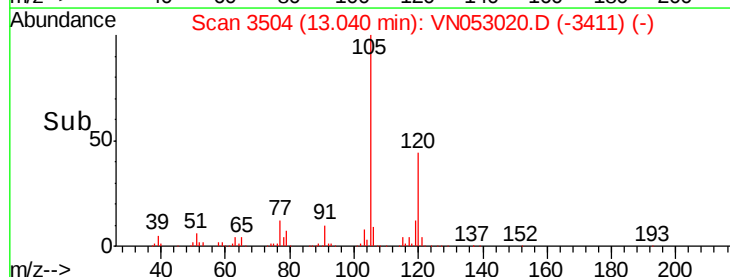
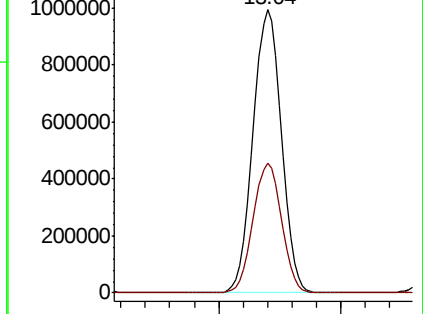
105 100

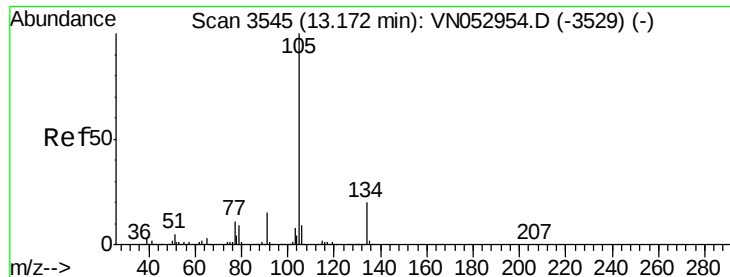
120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.208 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

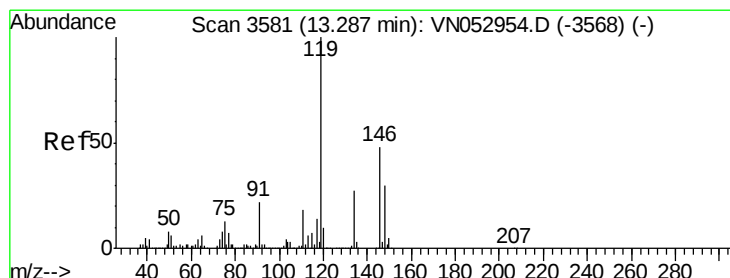
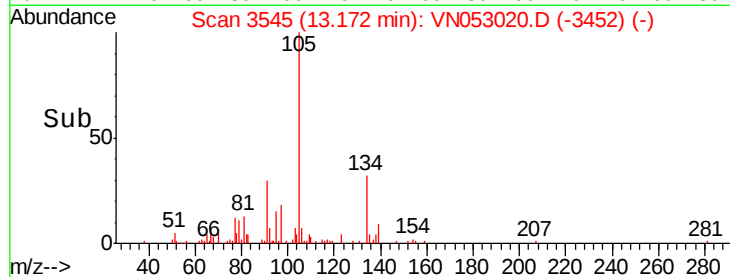
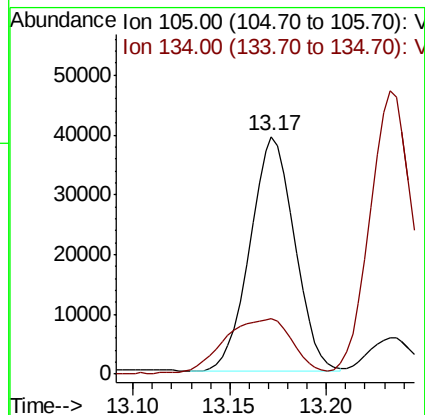
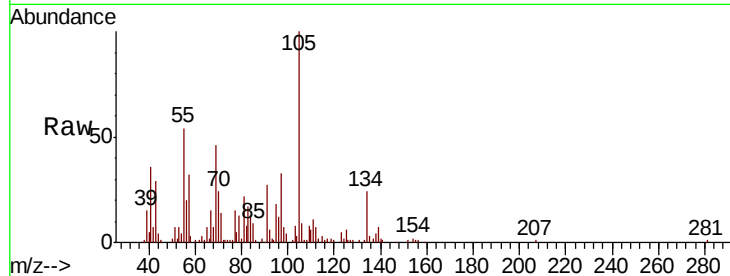
P001-SD013-0612-01ME

Tot Ion:105 Resp: 63031

Ion Ratio Lower Upper

105 100

134 34.6 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 9.475 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

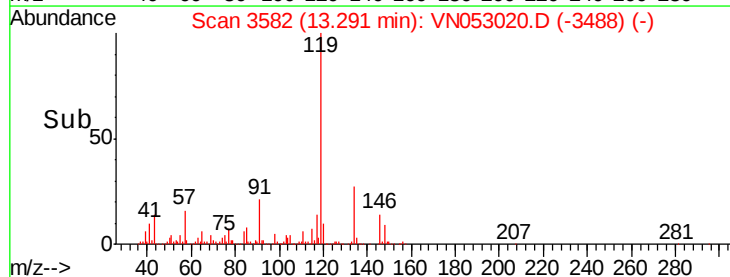
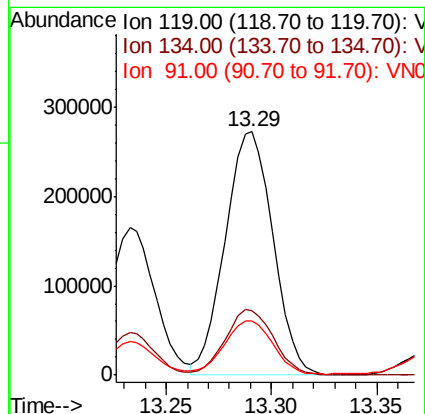
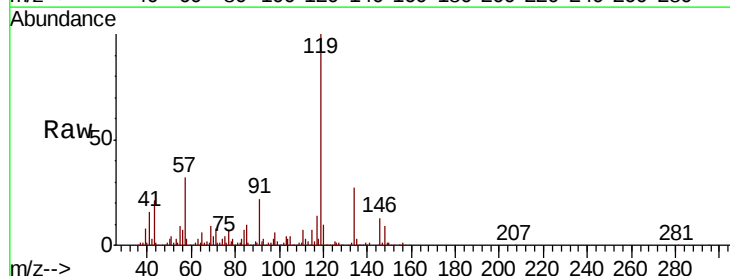
Tgt Ion:119 Resp: 427339

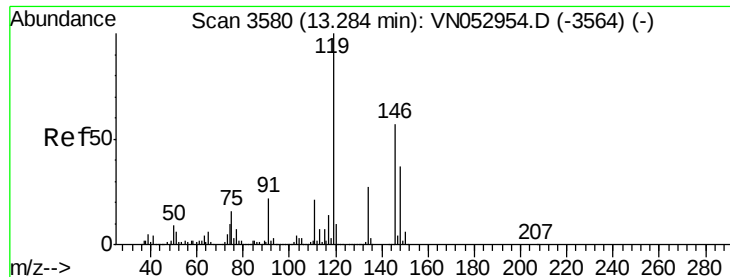
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 3.129 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

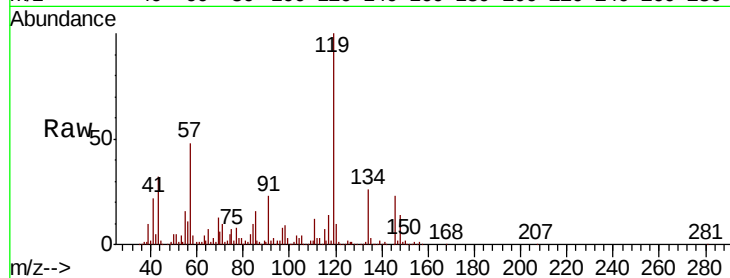
Tot Ion:146 Resp: 77065

Ion Ratio Lower Upper

146 100

111 52.8 19.1 57.1

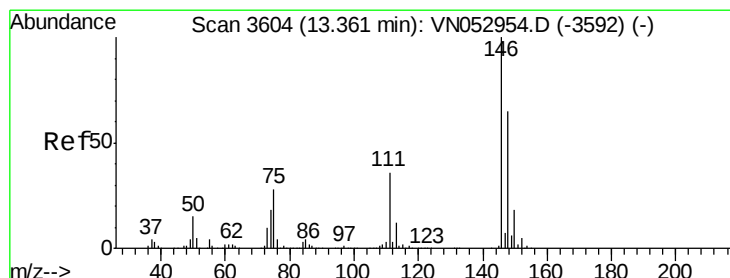
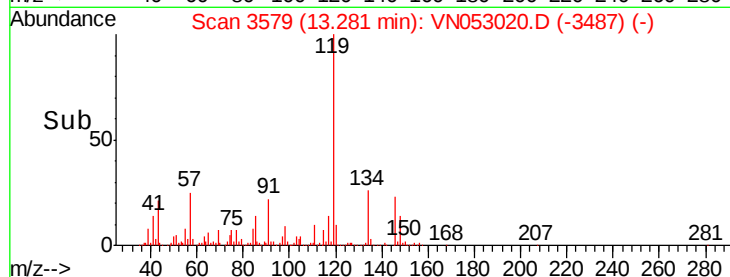
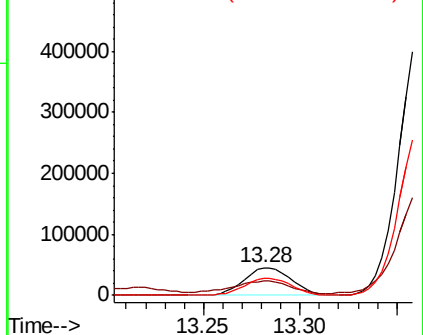
148 62.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 30.736 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

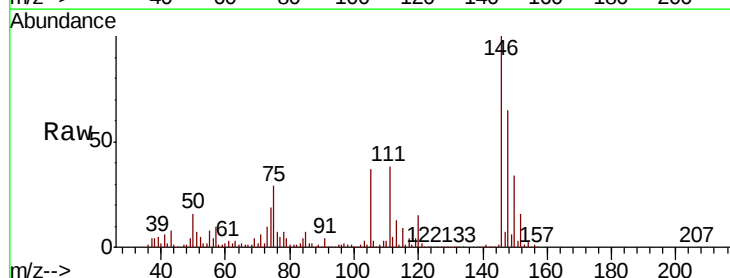
Tgt Ion:146 Resp: 766565

Ion Ratio Lower Upper

146 100

111 39.4 18.6 55.8

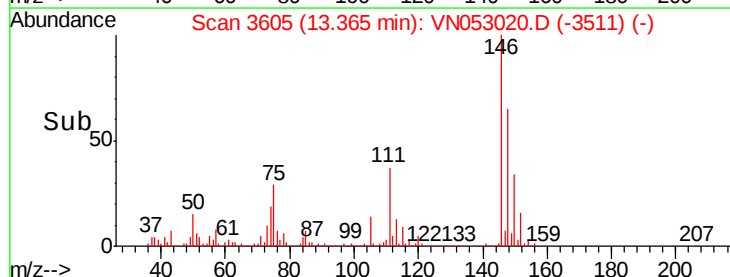
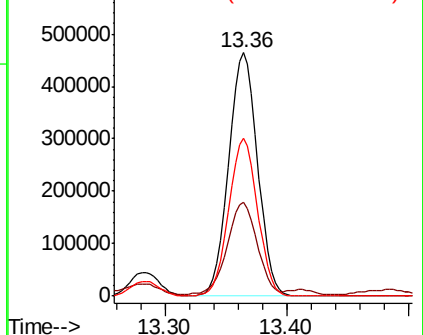
148 64.6 32.1 96.5

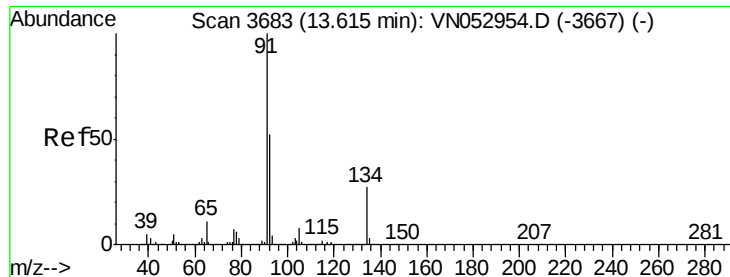


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

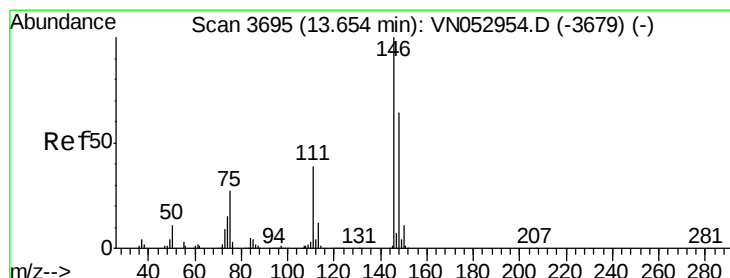
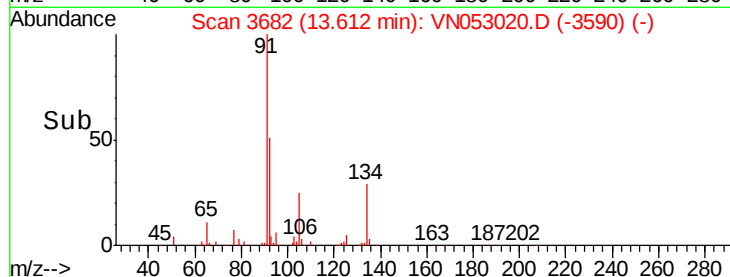
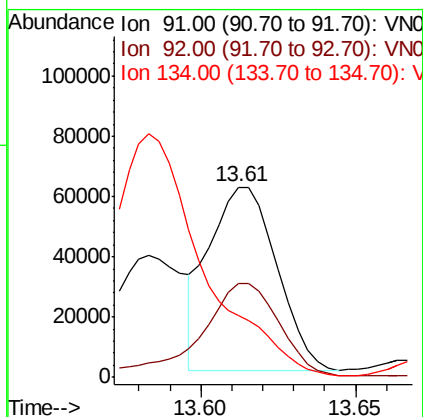
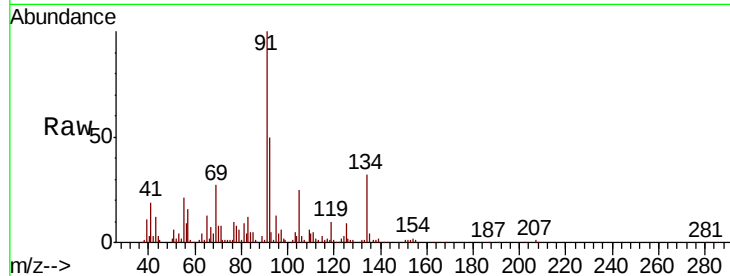




#89
n-Butylbenzene
Concen: 2.377 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

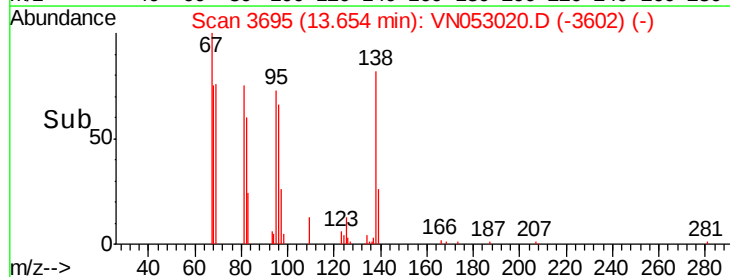
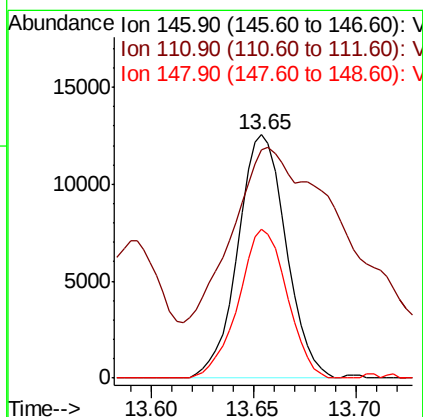
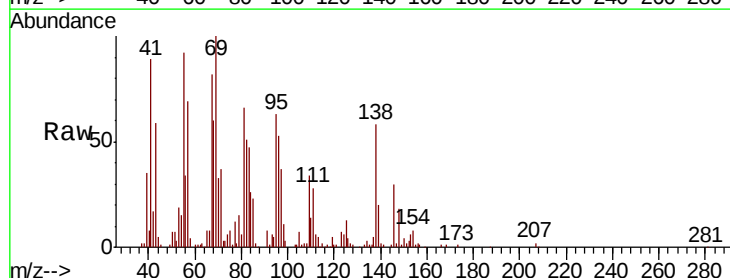
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

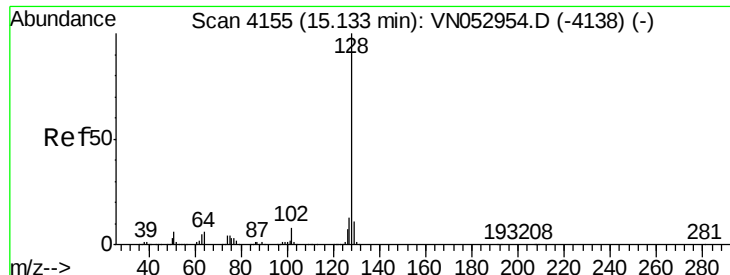
Tot Ion: 91 Resp: 92236
Ion Ratio Lower Upper
91 100
92 58.7 26.3 78.9
134 0.0 13.3 39.8#



#91
1,2-Dichlorobenzene
Concen: 0.889 ug/l m
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 146 Resp: 20602
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 0.0 32.0 96.0#





#95

Naphthalene

Concen: 33.787 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

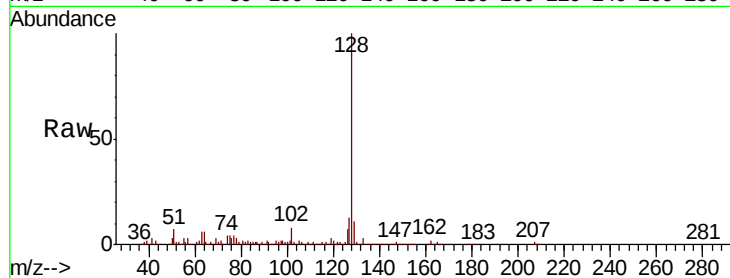
Tot Ion:128 Resp: 898639

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.8 8.6 13.0



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

