

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052373.D
 Acq On : 16 Nov 2018 19:00
 Operator : MD\SY
 Sample : J5975-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

Quant Time: Nov 17 00:20:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	304010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212501	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	164596	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	613238	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.40	95	185847	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	

Target Compounds

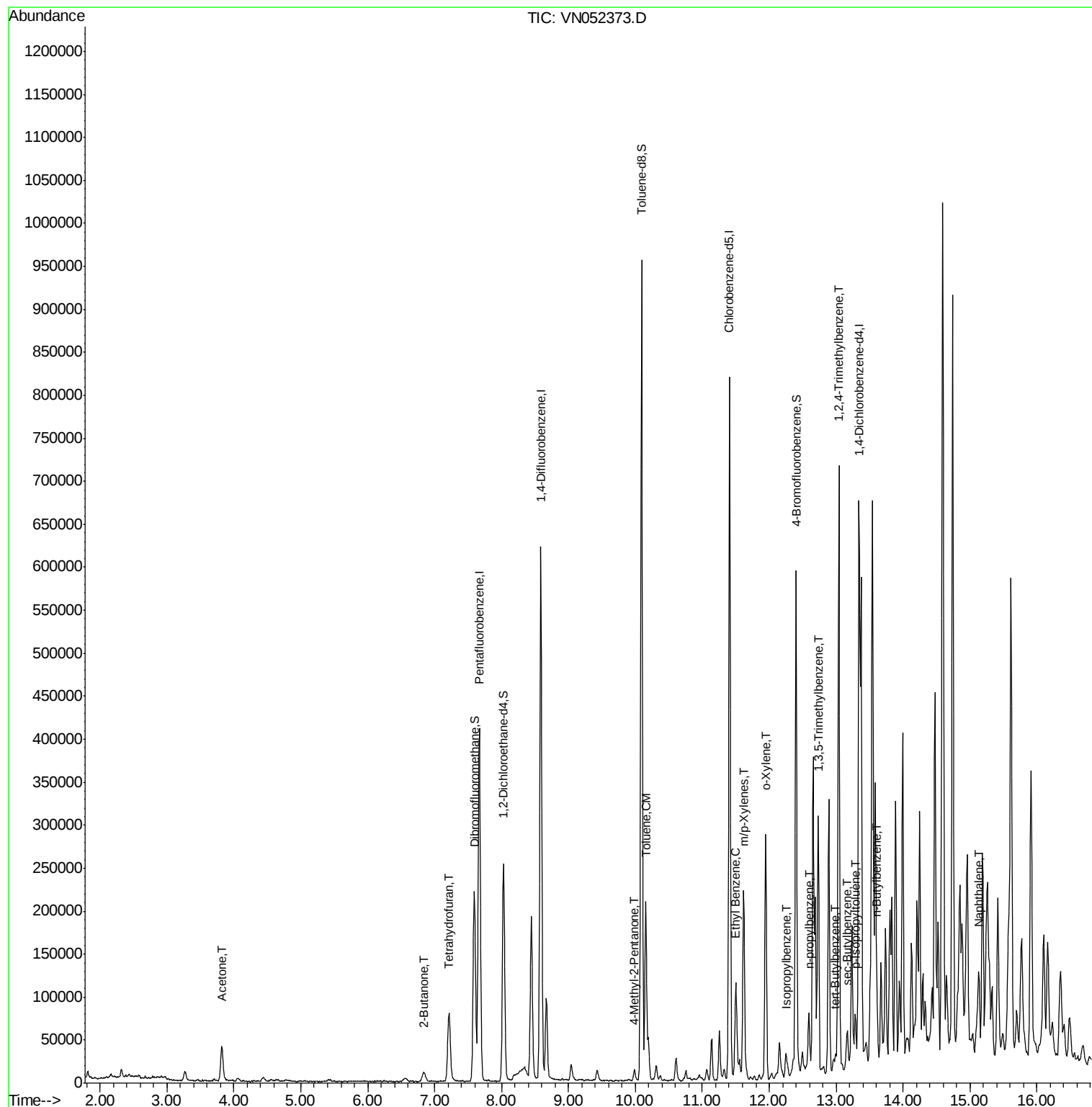
						Qvalue
16) Acetone	3.82	43	71786	60.722	ug/l	93
25) 2-Butanone	6.84	43	16951	10.187	ug/l #	90
29) Tetrahydrofuran	7.21	42	69531	63.605	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	9331	2.603	ug/l	93
52) Toluene	10.16	92	78736	9.059	ug/l	98
67) Ethyl Benzene	11.51	91	39208	2.576	ug/l	100
68) m/p-Xylenes	11.62	106	62243	11.193	ug/l	93
69) o-Xylene	11.95	106	70313	13.191	ug/l	96
73) Isopropylbenzene	12.25	105	15664	1.253	ug/l	99
78) n-propylbenzene	12.59	91	48150	3.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	131857	13.264	ug/l	99
83) tert-Butylbenzene	12.99	119	7907	0.901	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	369590	37.034	ug/l	99
85) sec-Butylbenzene	13.17	105	21601	1.807	ug/l	86
86) p-Isopropyltoluene	13.29	119	22020	2.174	ug/l	98
89) n-Butylbenzene	13.61	91	21305	2.449	ug/l #	62
95) Naphthalene	15.13	128	64560	13.723	ug/l #	95

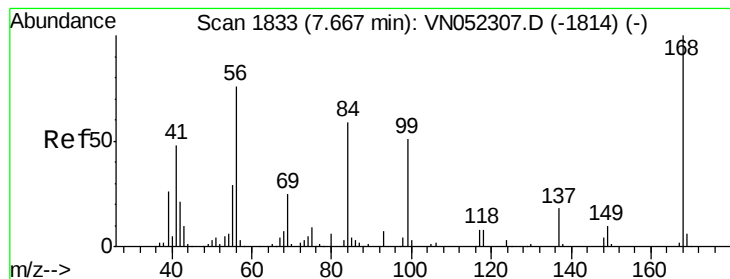
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

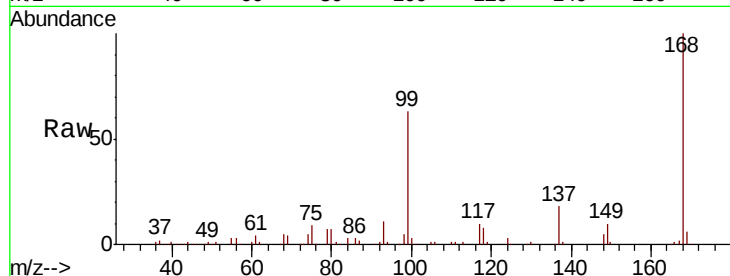
VB44949

Tot Ion:168 Resp: 304010

Ion Ratio Lower Upper

168 100

99 63.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

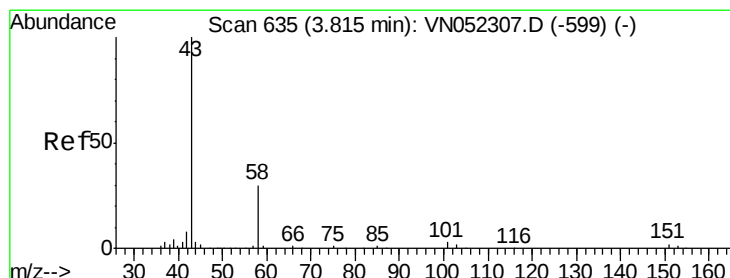
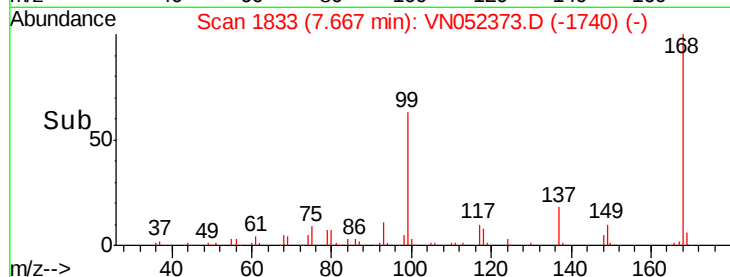
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 60.722 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052373.D

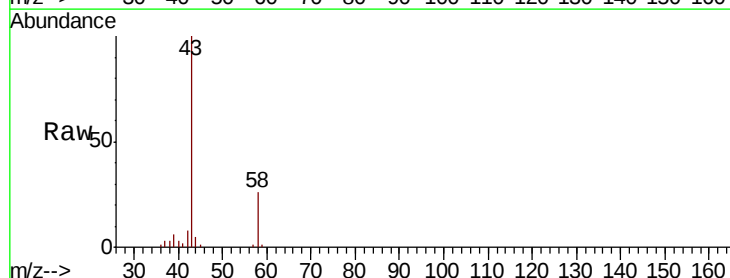
Acq: 16 Nov 2018 19:00

Tgt Ion: 43 Resp: 71786

Ion Ratio Lower Upper

43 100

58 26.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

30000

25000

20000

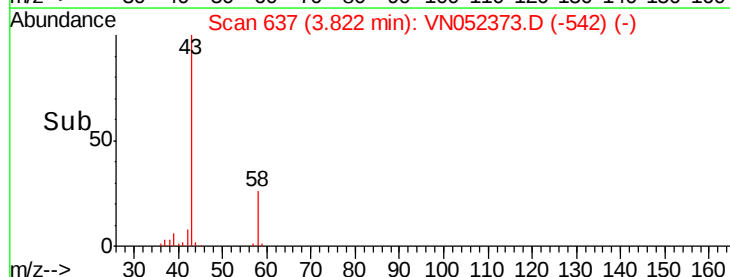
15000

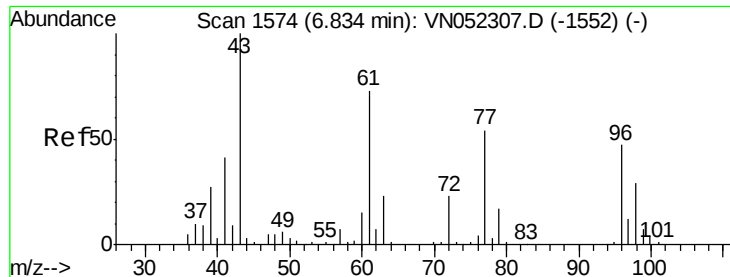
10000

5000

0

Time-->





#25

2-Butanone

Concen: 10.187 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

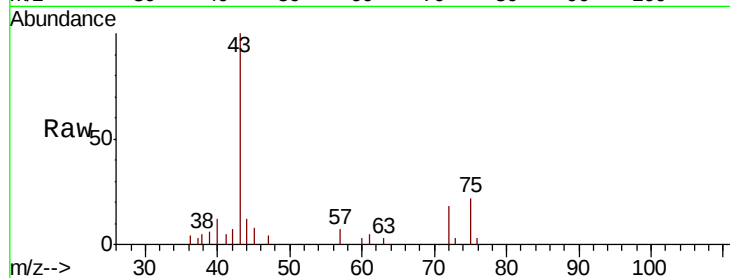
VB44949

Tot Ion: 43 Resp: 16951

Ion Ratio Lower Upper

43 100

72 18.2 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

6000

5000

4000

3000

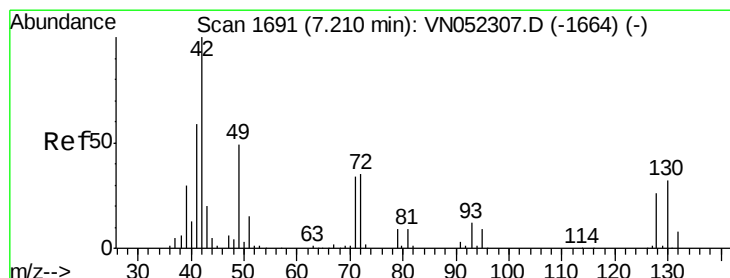
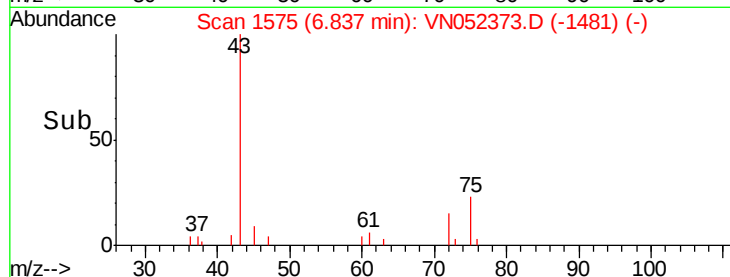
2000

1000

0

6.75 6.80 6.85 6.90 6.95

Time-->



#29

Tetrahydrofuran

Concen: 63.605 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

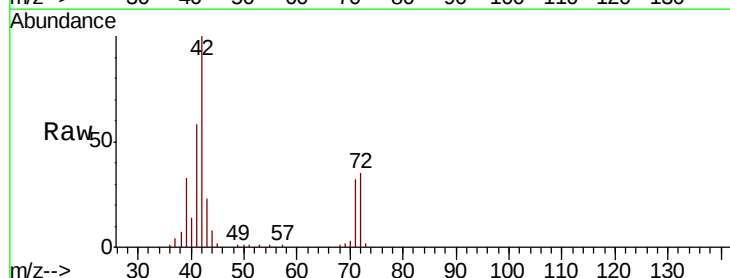
Tgt Ion: 42 Resp: 69531

Ion Ratio Lower Upper

42 100

72 35.2 28.6 42.8

71 34.0 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.21

30000

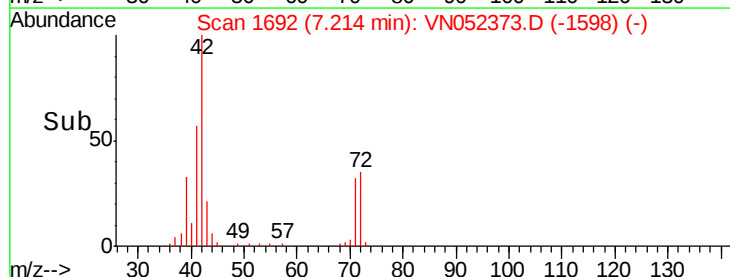
20000

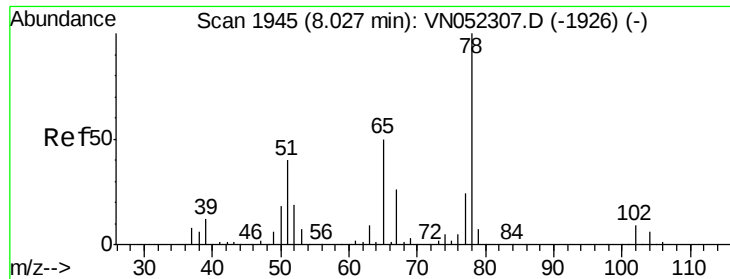
10000

0

7.10 7.20 7.30 7.40

Time-->

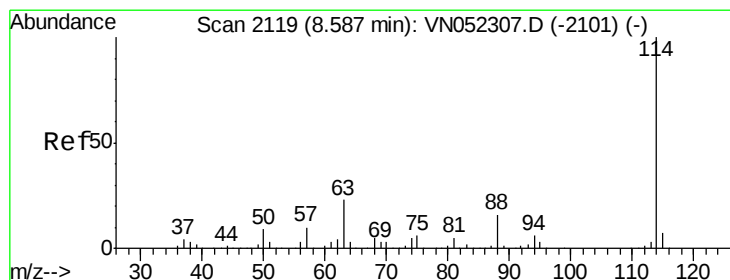
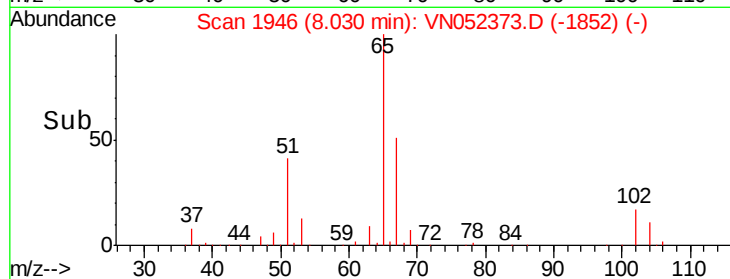
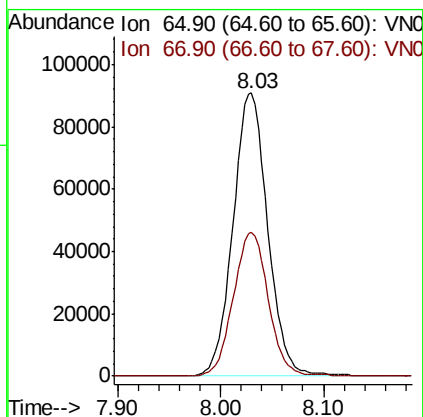
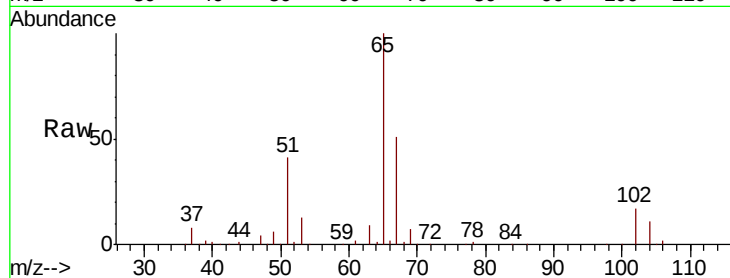




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

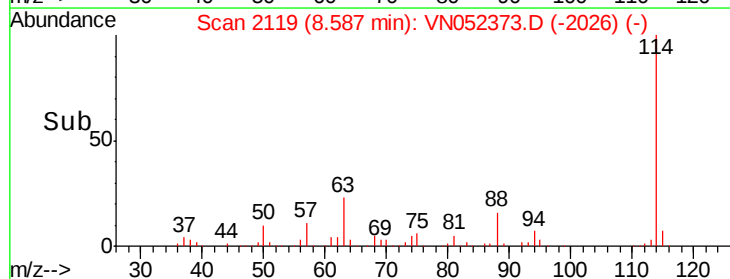
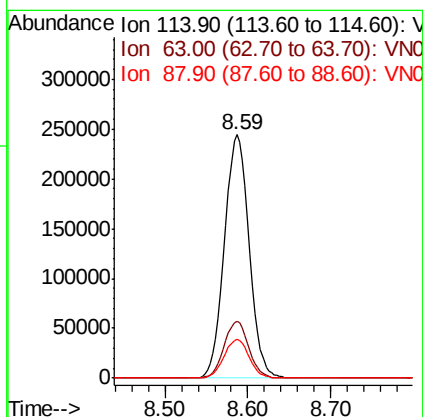
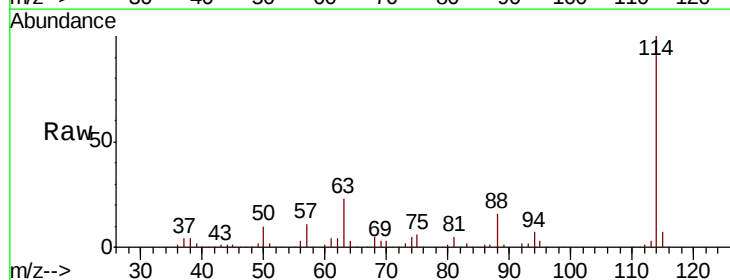
Instrument :
 MSVOA_N
 ClientSampled :
 VB44949

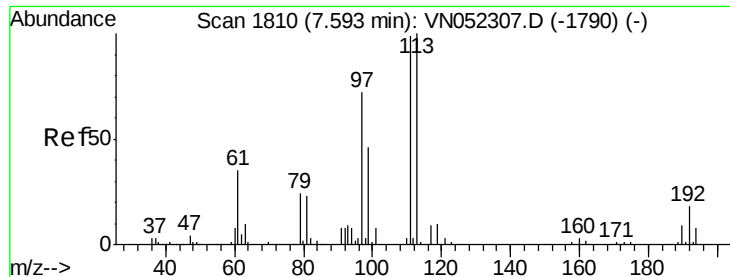
Tot Ion: 65 Resp: 212501
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion: 114 Resp: 507431
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.4
 88 15.8 0.0 31.2

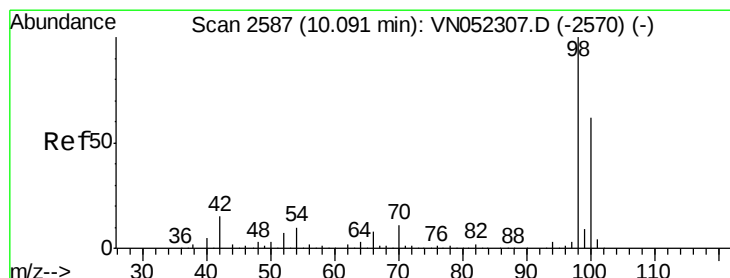
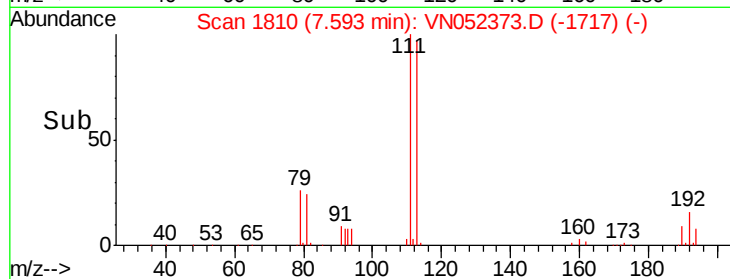
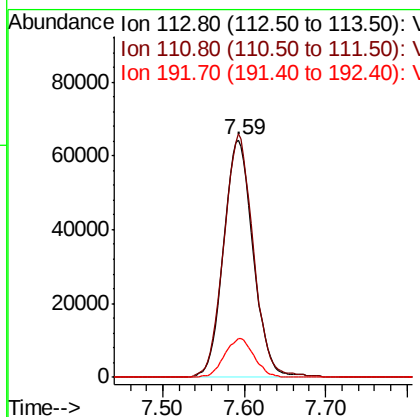
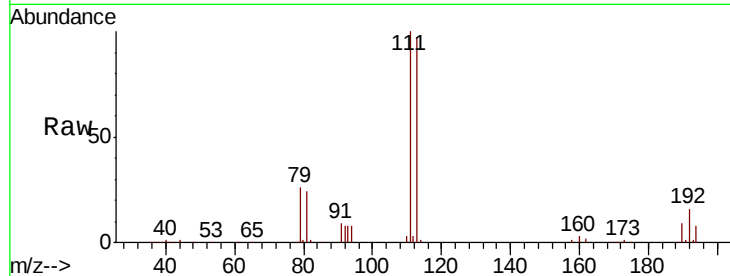




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

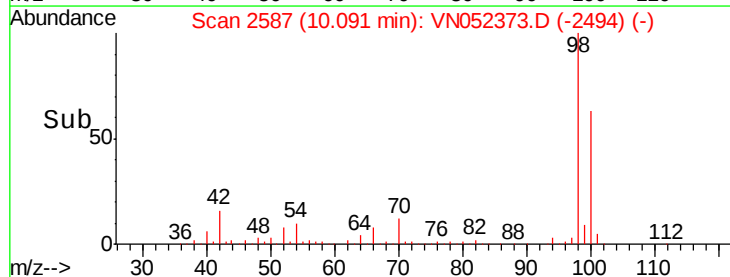
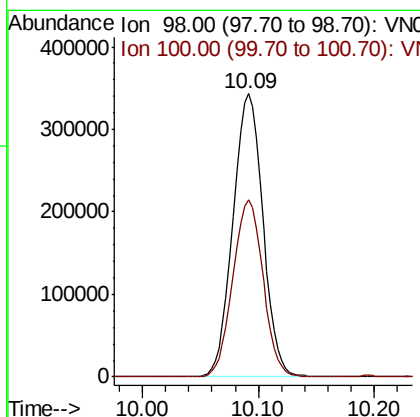
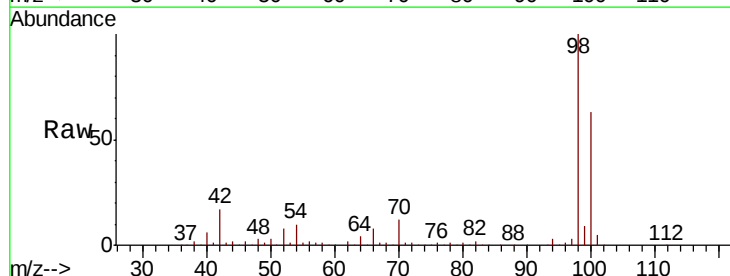
Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

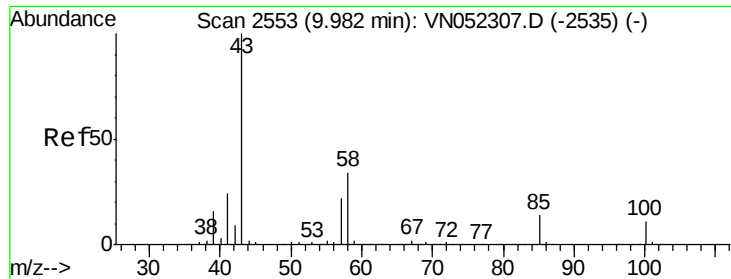
Tot Ion:113 Resp: 164596
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.0 121.6
 192 16.3 13.8 20.6



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion: 98 Resp: 613238
 Ion Ratio Lower Upper
 98 100
 100 63.1 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 2.603 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

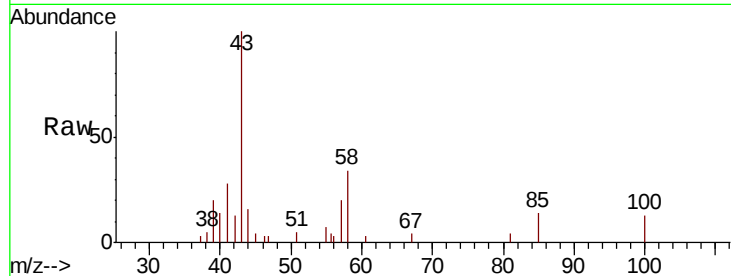
VB44949

Tot Ion: 43 Resp: 9331

Ion Ratio Lower Upper

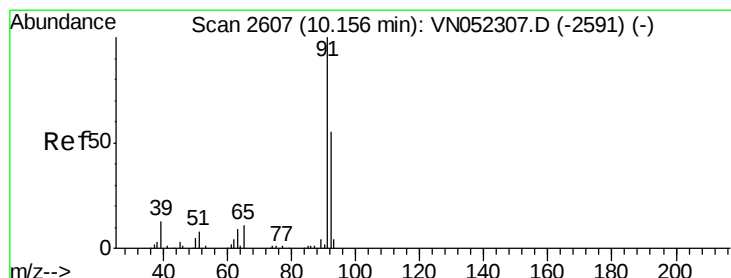
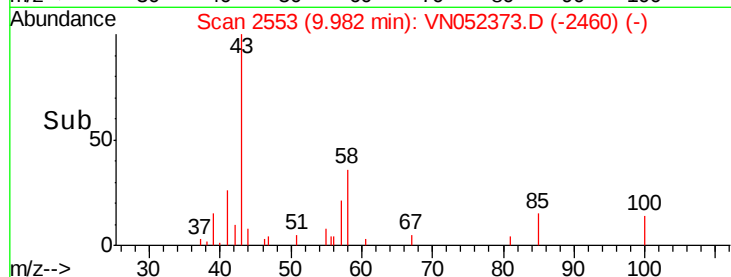
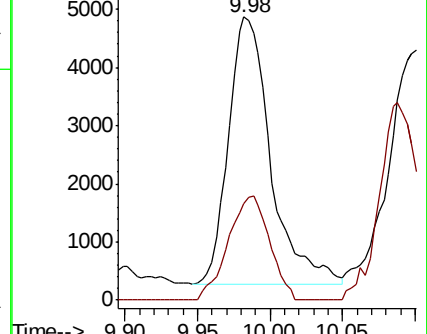
43 100

58 37.9 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 9.059 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052373.D

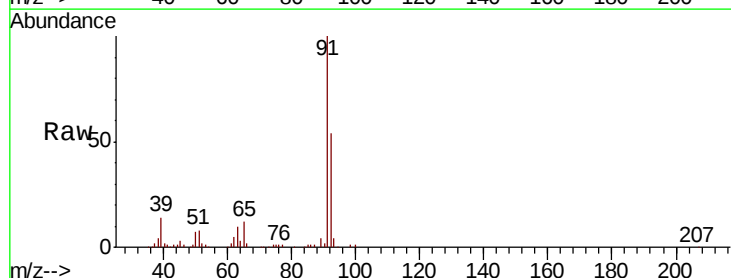
Acq: 16 Nov 2018 19:00

Tgt Ion: 92 Resp: 78736

Ion Ratio Lower Upper

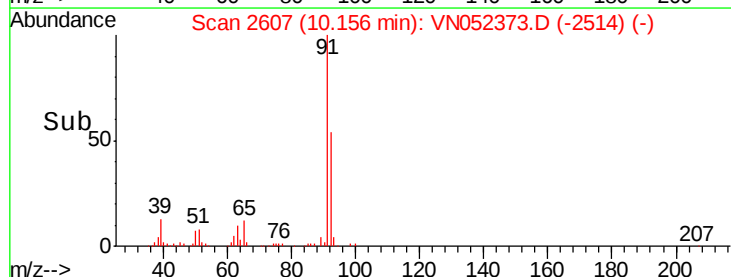
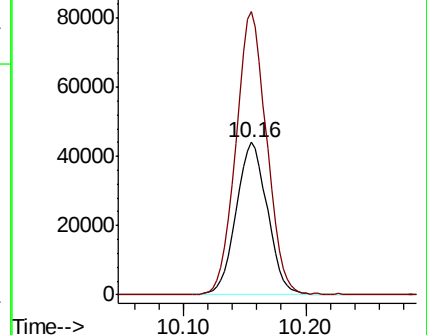
92 100

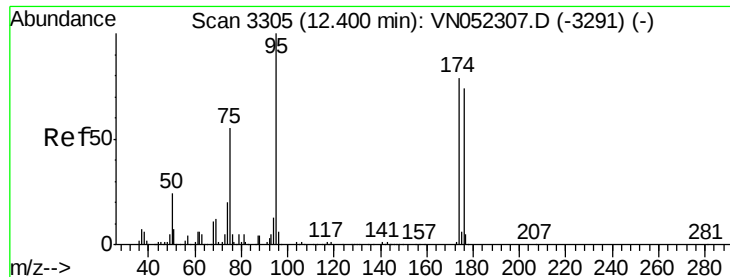
91 181.7 143.6 215.4



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: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

VB44949

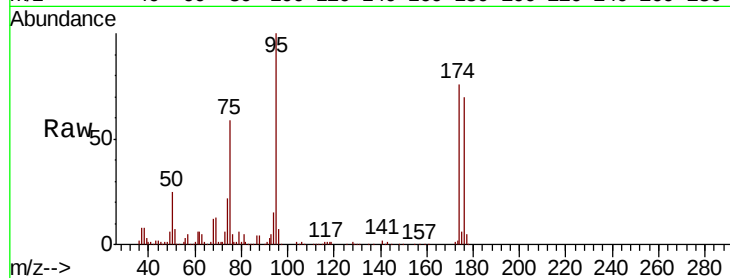
Tot Ion: 95 Resp: 185847

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.0

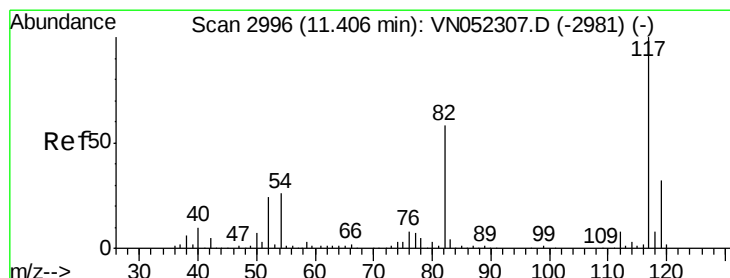
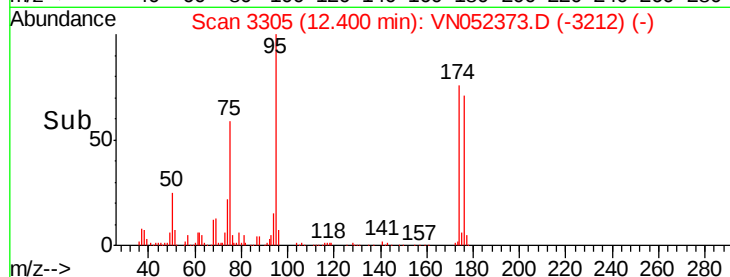
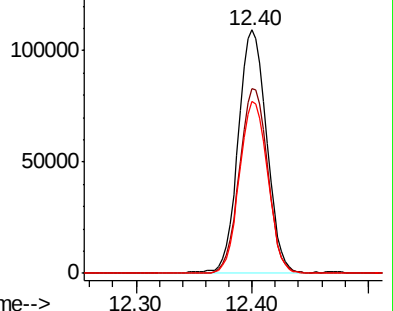
176 70.0 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052373.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052373.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052373.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

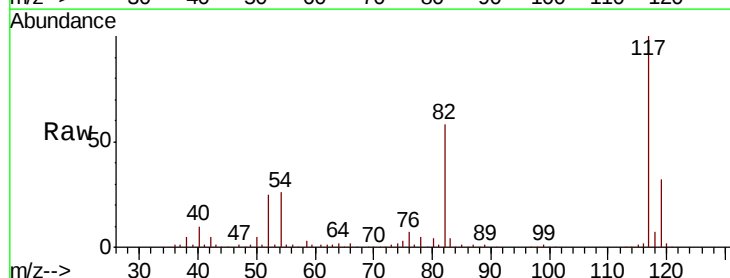
Tgt Ion: 117 Resp: 414851

Ion Ratio Lower Upper

117 100

82 58.2 46.5 69.7

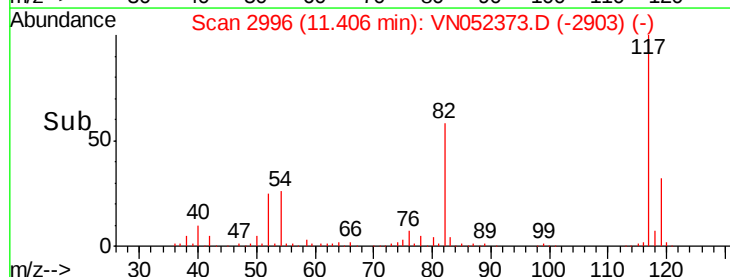
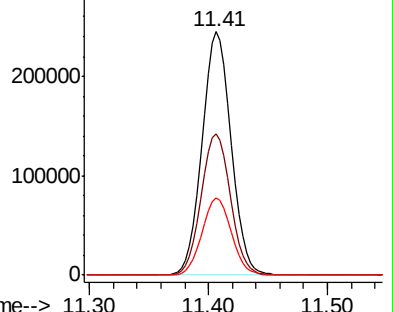
119 31.7 25.7 38.5

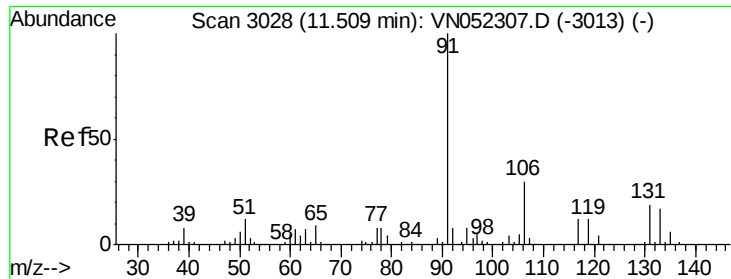


Abundance Ion 116.90 (116.60 to 117.60): VN052373.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052373.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052373.D (-2903) (-)

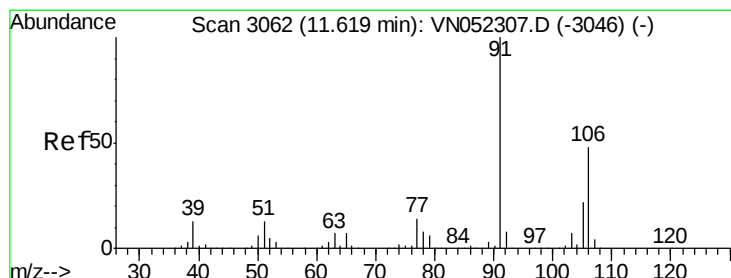
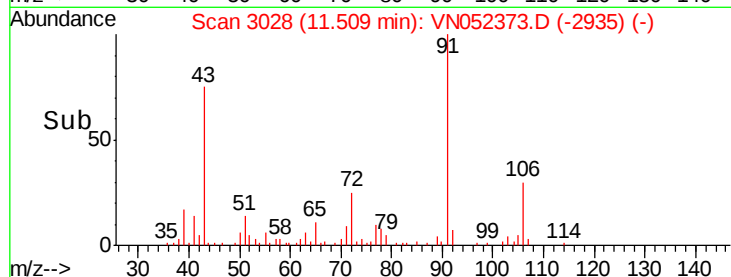
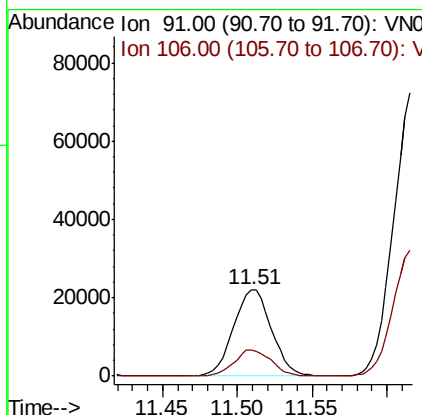
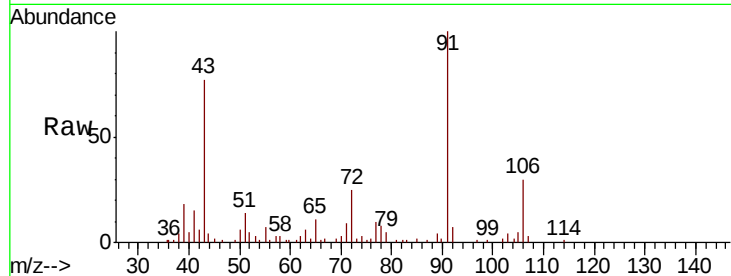




#67
Ethyl Benzene
Concen: 2.576 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

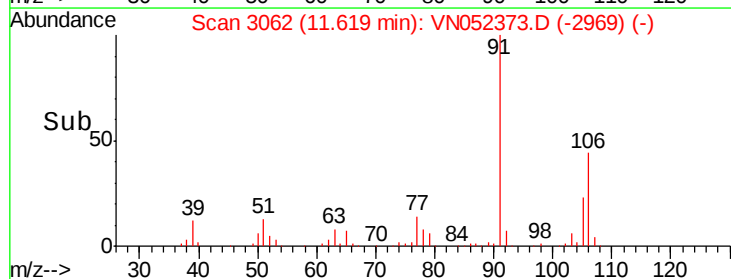
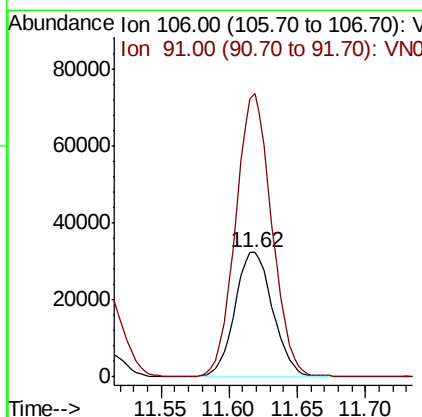
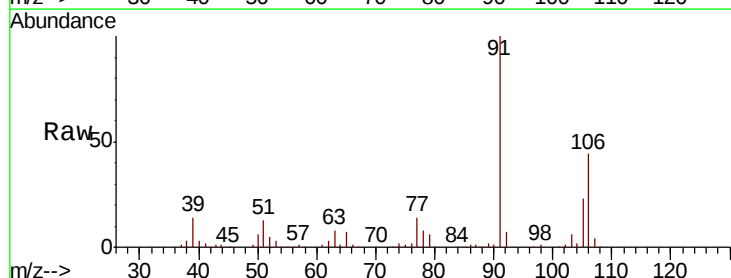
Instrument :
MSVOA_N
ClientSampled :
VB44949

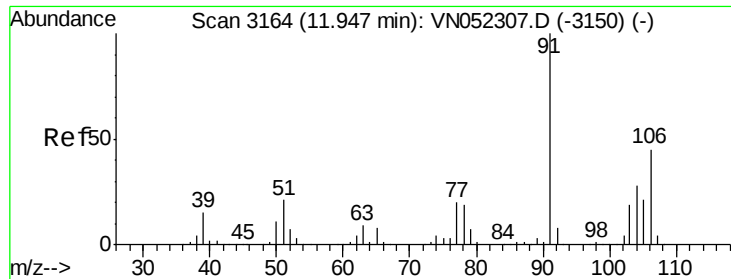
Tot Ion: 91 Resp: 39208
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2



#68
m/p-Xylenes
Concen: 11.193 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion: 106 Resp: 62243
Ion Ratio Lower Upper
106 100
91 217.7 165.5 248.3

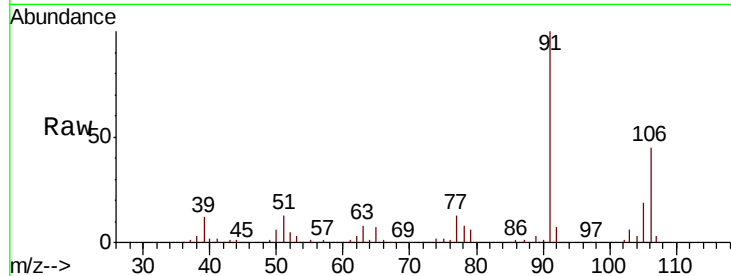




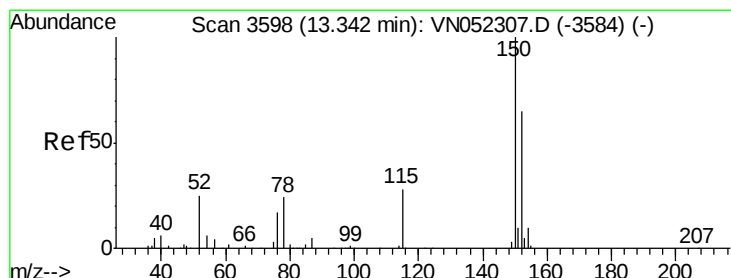
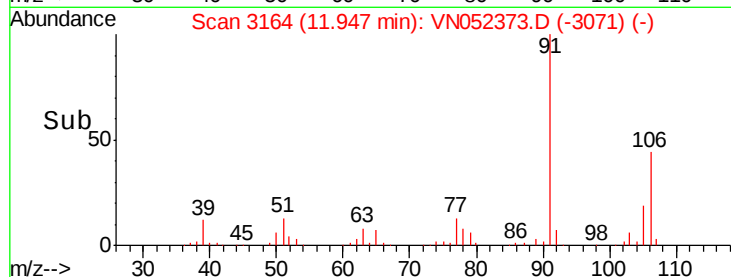
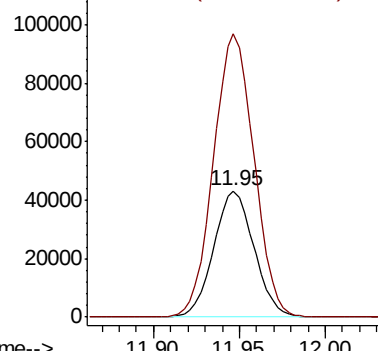
#69
o-Xylene
Concen: 13.191 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Instrument :
MSVOA_N
ClientSampled :
VB44949

Tot Ion:106 Resp: 70313
Ion Ratio Lower Upper
106 100
91 225.7 110.0 330.0

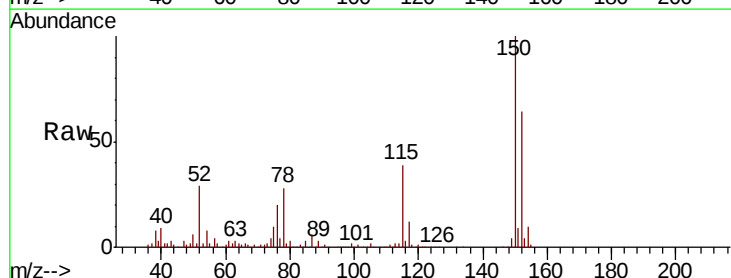


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

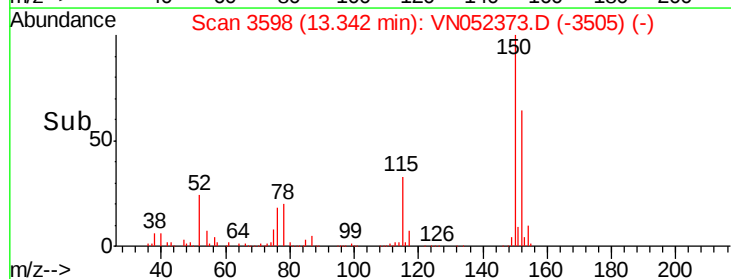
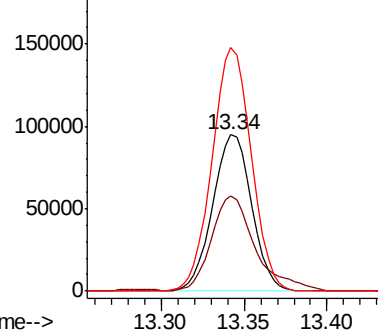


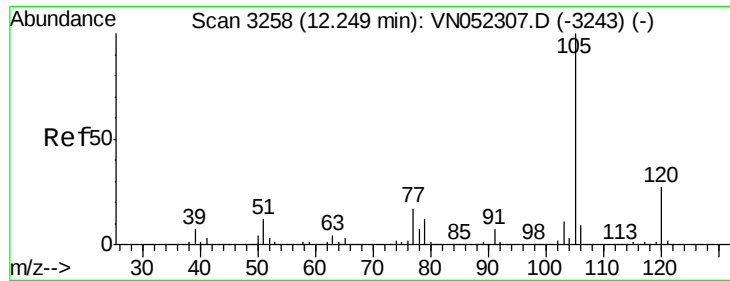
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion:152 Resp: 155483
Ion Ratio Lower Upper
152 100
115 68.6 30.3 91.0
150 155.9 0.0 348.2



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





#73

Isopropylbenzene

Concen: 1.253 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

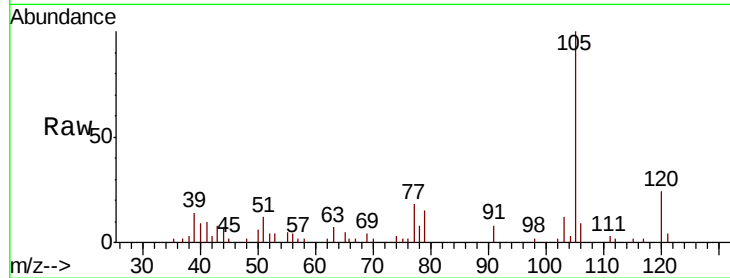
VB44949

Tot Ion:105 Resp: 15664

Ion Ratio Lower Upper

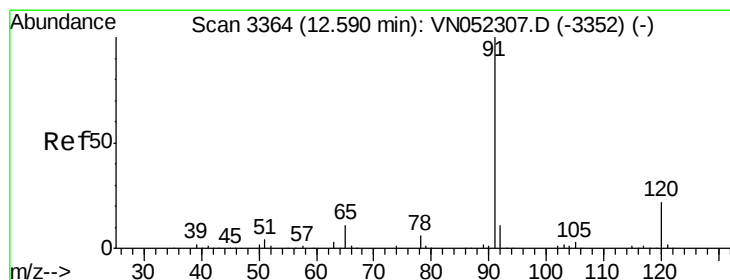
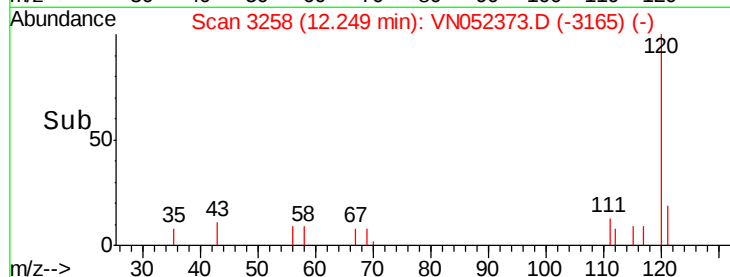
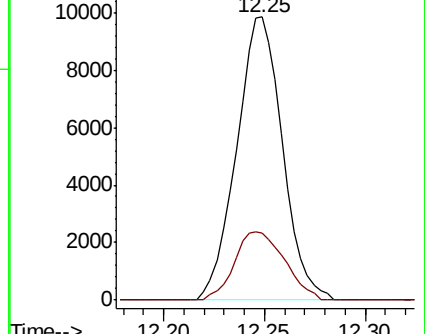
105 100

120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.293 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052373.D

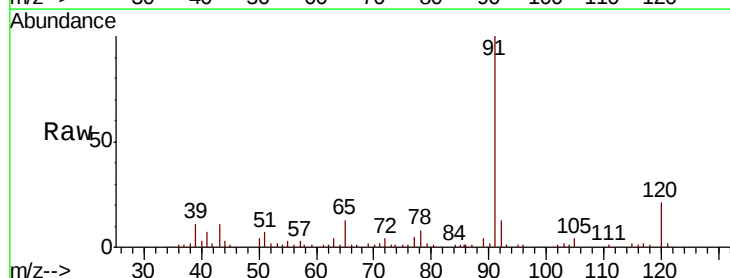
Acq: 16 Nov 2018 19:00

Tgt Ion: 91 Resp: 48150

Ion Ratio Lower Upper

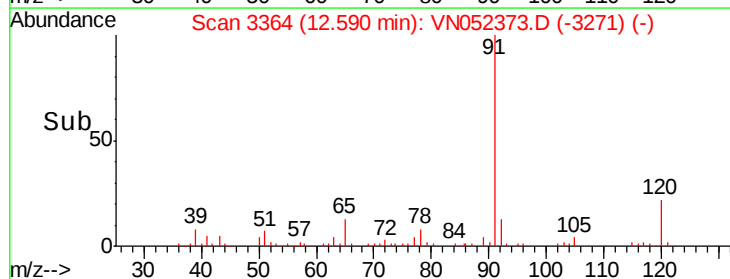
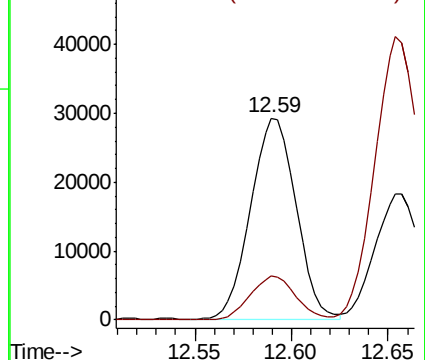
91 100

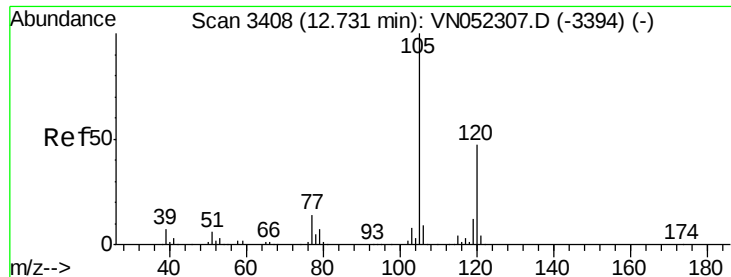
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 13.264 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

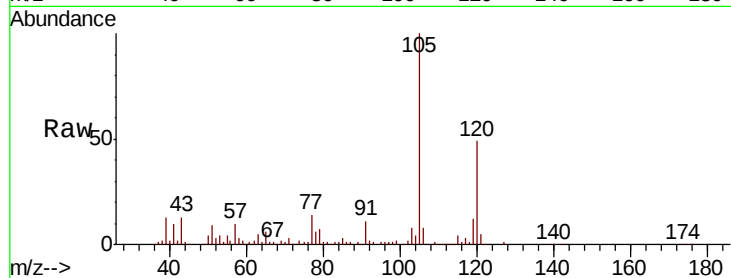
VB44949

Tot Ion:105 Resp: 131857

Ion Ratio Lower Upper

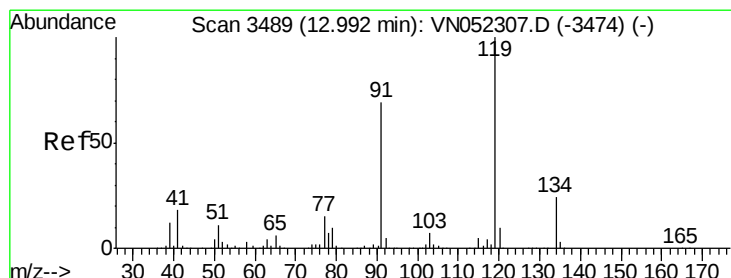
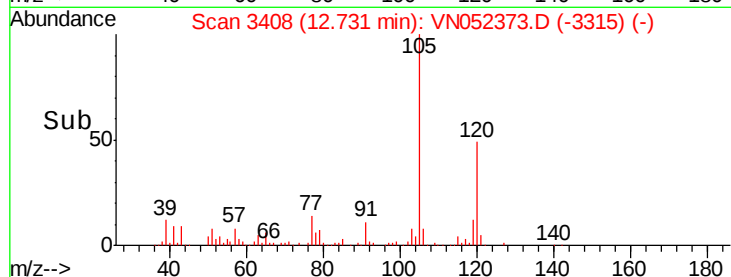
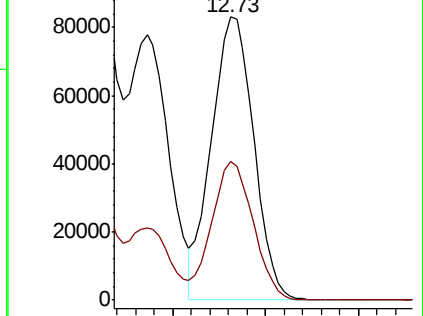
105 100

120 47.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.901 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

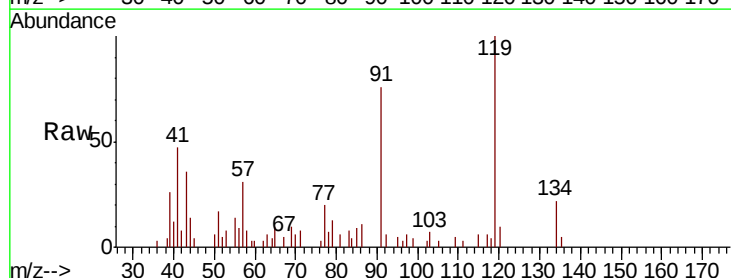
Tgt Ion:119 Resp: 7907

Ion Ratio Lower Upper

119 100

91 75.9 33.8 101.3

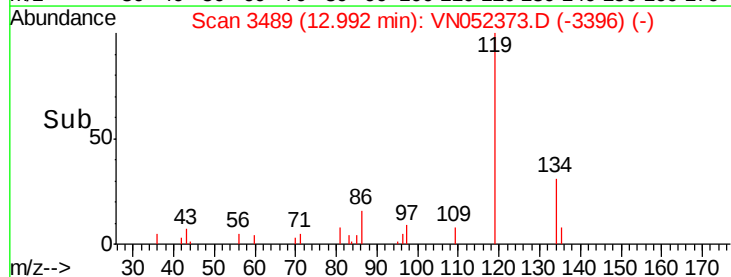
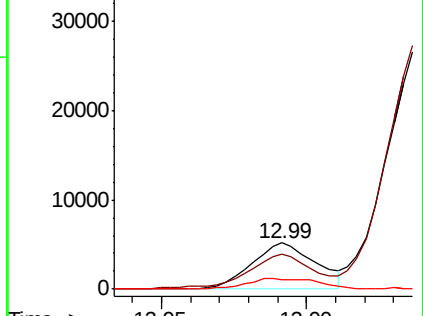
134 25.5 11.9 35.9

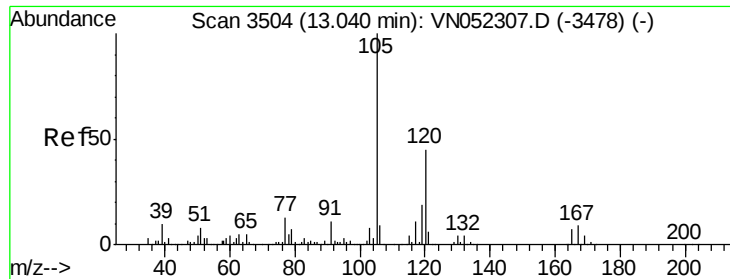


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 37.034 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

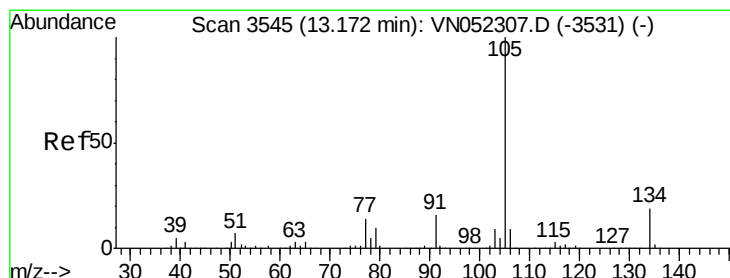
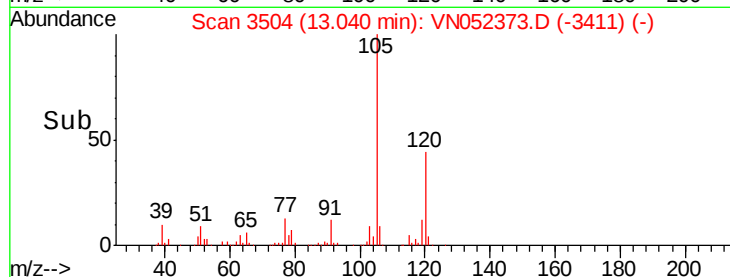
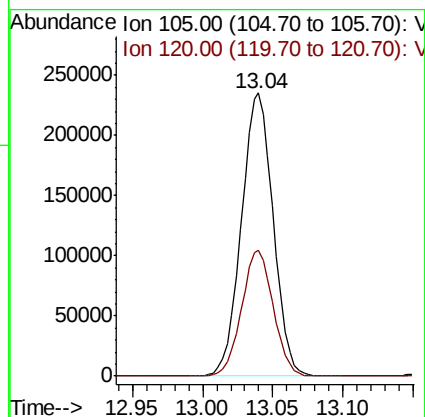
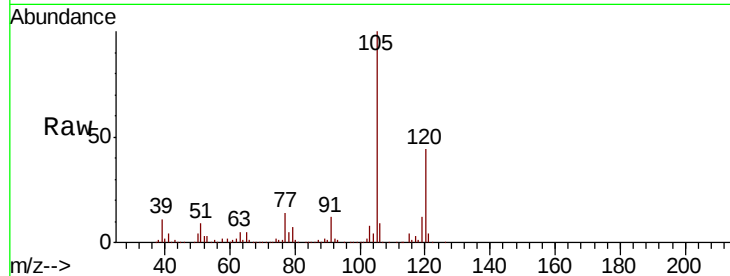
VB44949

Tot Ion:105 Resp: 369590

Ion Ratio Lower Upper

105 100

120 44.6 22.5 67.5



#85

sec-Butylbenzene

Concen: 1.807 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052373.D

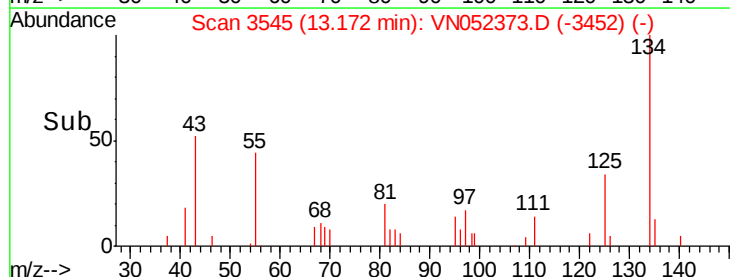
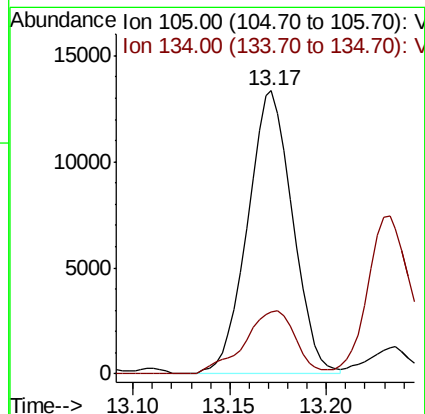
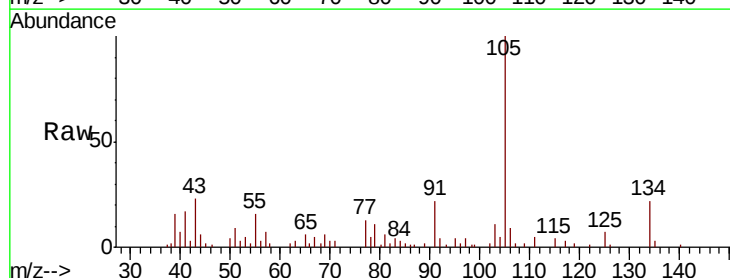
Acq: 16 Nov 2018 19:00

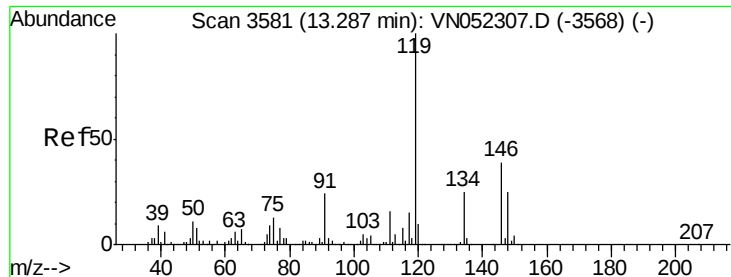
Tgt Ion:105 Resp: 21601

Ion Ratio Lower Upper

105 100

134 25.4 9.5 28.5

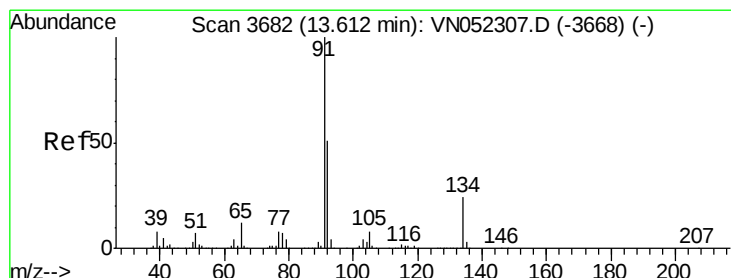
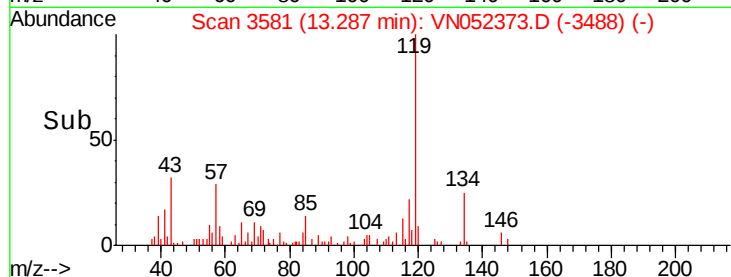
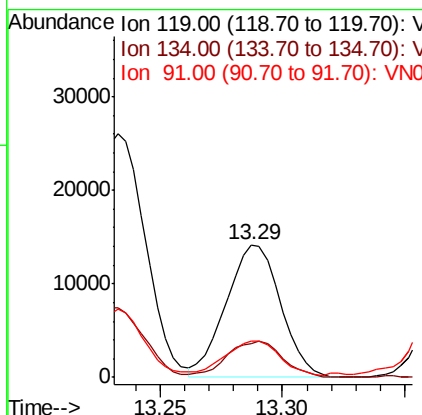
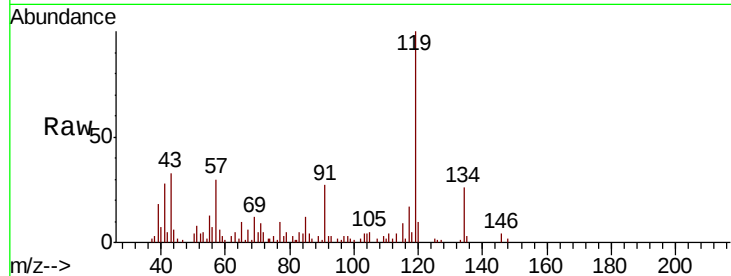




#86
 p-Isopropyltoluene
 Concen: 2.174 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

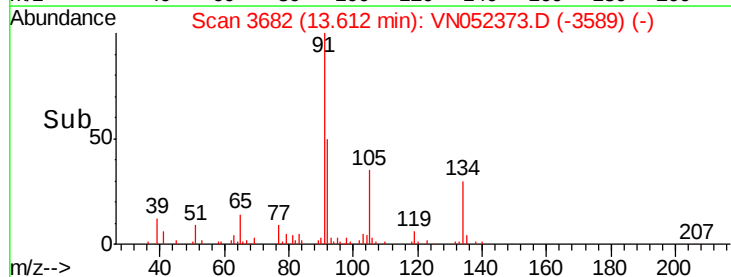
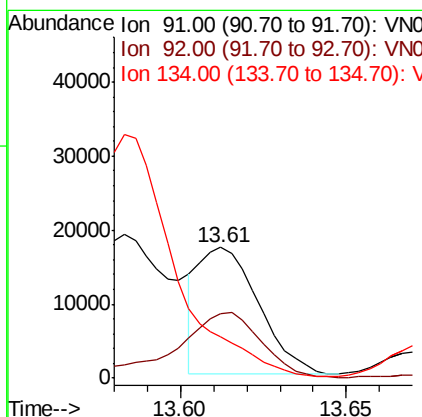
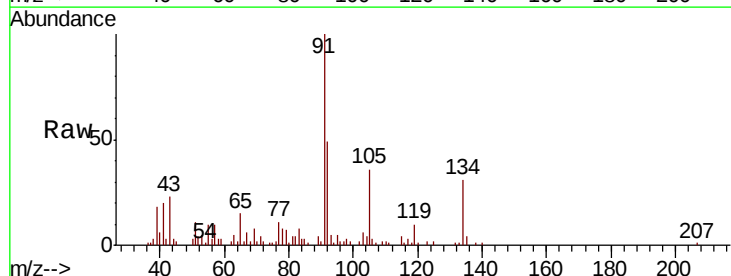
Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

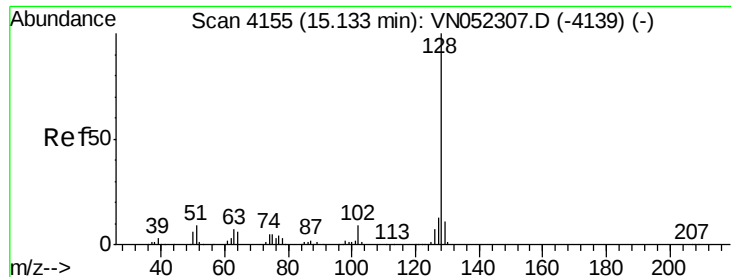
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.0	38.9
91	25.4	12.4	37.0



#89
 n-Butylbenzene
 Concen: 2.449 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	73.6	25.4	76.2
134	0.0	12.2	36.4#

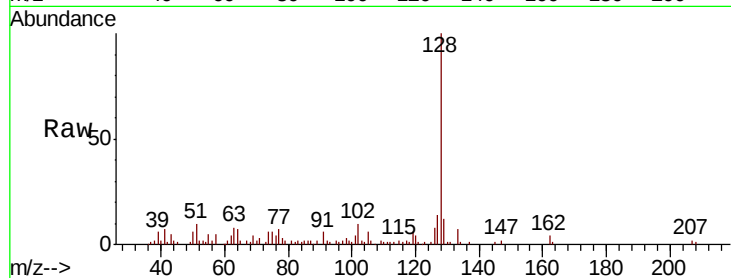




#95
Naphthalene
Concen: 13.723 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Instrument :
MSVOA_N
ClientSampleId :
VB44949

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.4	15.6
129	13.3	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

