

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052917.D
 Acq On : 17 Dec 2018 10:44
 Operator : MD\SY
 Sample : J6437-01 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23722

Quant Time: Dec 18 05:02:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1274051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1978105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1791687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	781564	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	654210	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.59	113	475097	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	
50) Toluene-d8	10.09	98	2433401	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	846007	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

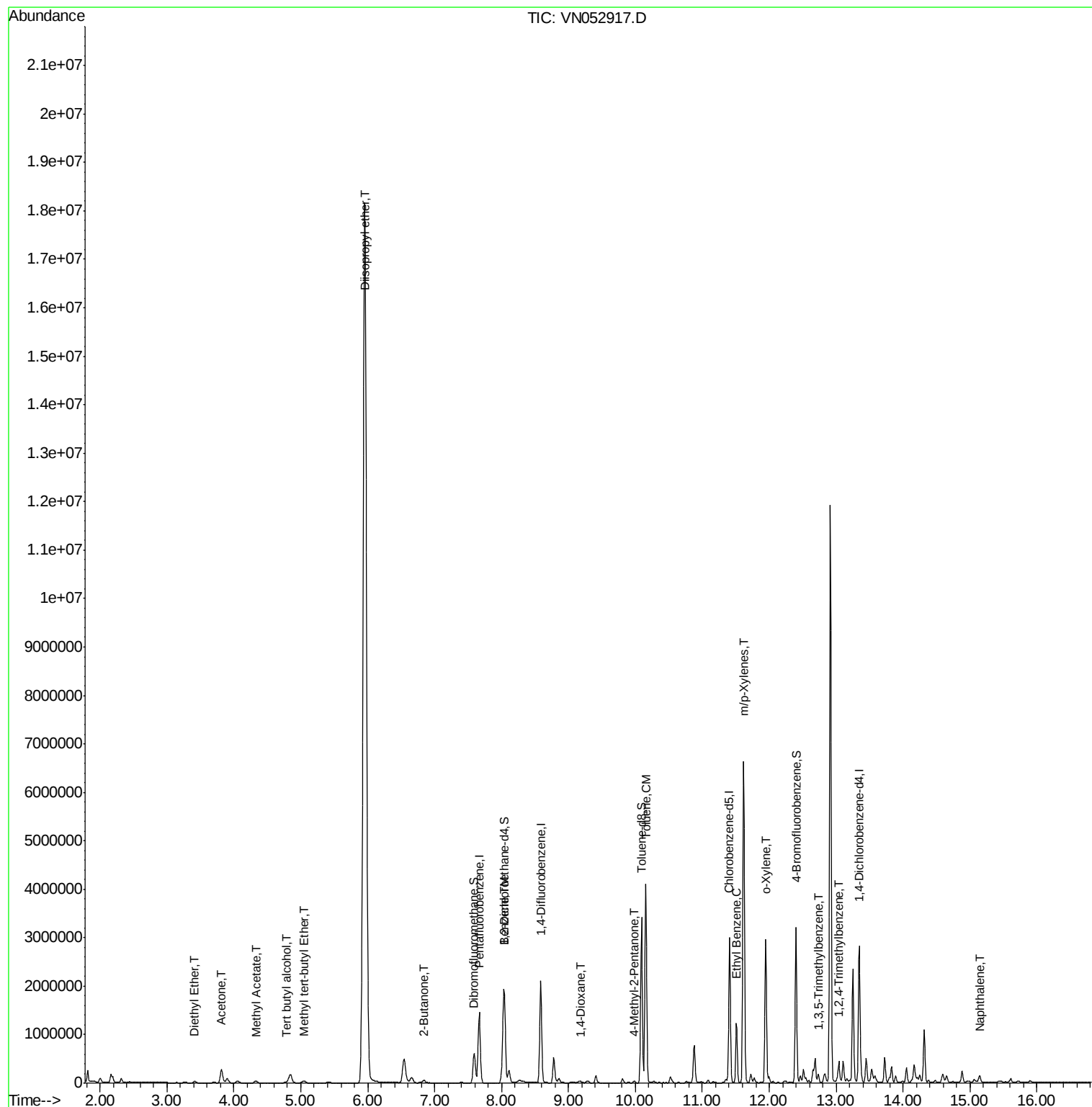
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	20708	2.908	ug/l	92
11) Tert butyl alcohol	4.77	59	37036	48.929	ug/l #	92
16) Acetone	3.82	43	467760	153.741	ug/l	99
18) Methyl Acetate	4.33	43	73606	6.592	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	68802	2.164	ug/l	98
22) Diisopropyl ether	5.96	45	757816	18.566	ug/l #	1
25) 2-Butanone	6.83	43	92314	19.554	ug/l	97
40) Benzene	8.04	78	1515625	27.722	ug/l	99
49) 1,4-Dioxane	9.20	88	8180	73.244	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	27426	2.666	ug/l	98
52) Toluene	10.16	92	1811181	54.697	ug/l	100
67) Ethyl Benzene	11.51	91	921405	14.434	ug/l	99
68) m/p-Xylenes	11.62	106	2110644	88.057	ug/l	99
69) o-Xylene	11.95	106	817736	34.938	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	93239	1.979	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	244400	5.125	ug/l	98
95) Naphthalene	15.13	128	62201	2.178	ug/l	99

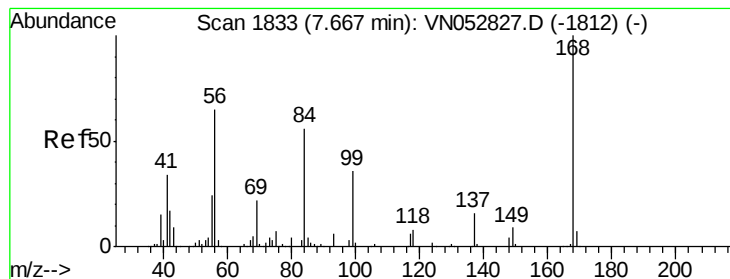
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

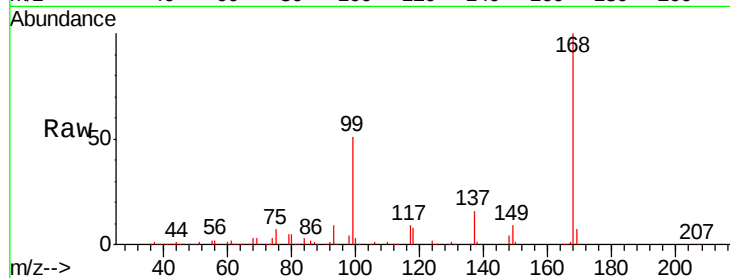
23722

Tgt Ion:168 Resp: 1274051

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052917.D

Ion 98.90 (98.60 to 99.60): VN052917.D

7.67

600000

500000

400000

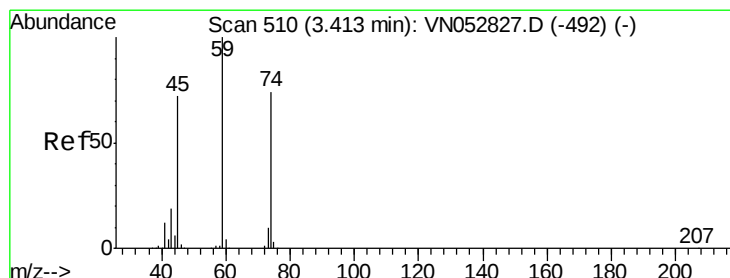
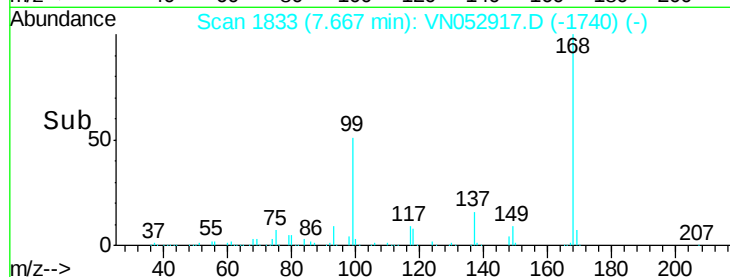
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 2.908 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN052917.D

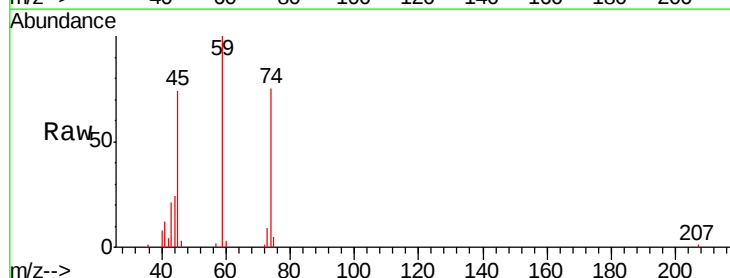
Acq: 17 Dec 2018 10:44

Tgt Ion: 74 Resp: 20708

Ion Ratio Lower Upper

74 100

45 106.9 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VN052917.D

Ion 45.00 (44.70 to 45.70): VN052917.D

3.41

10000

8000

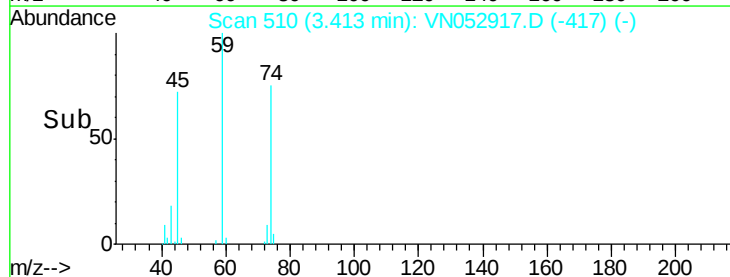
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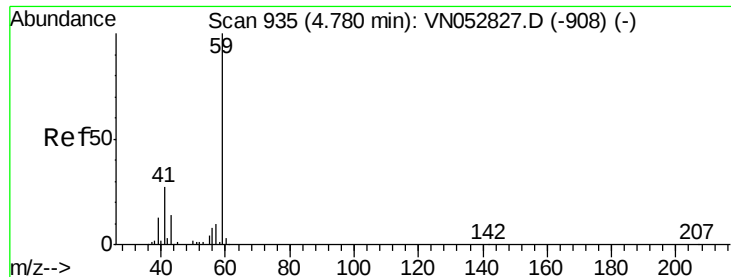
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2000

0

Time-->



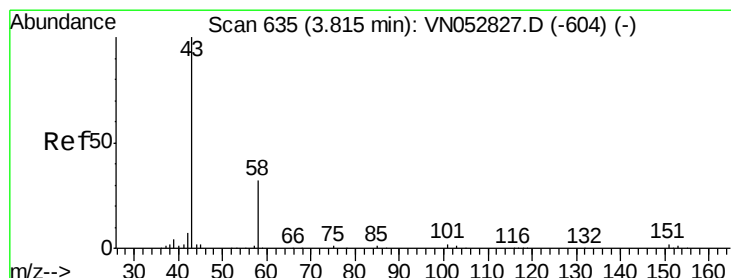
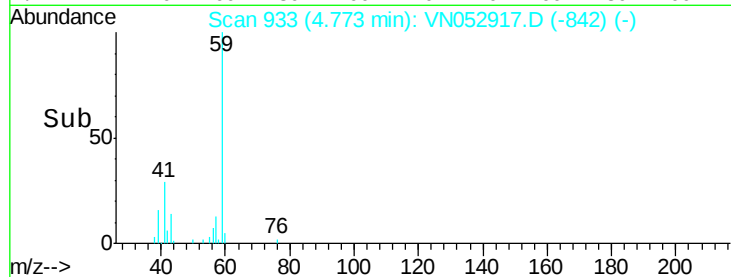
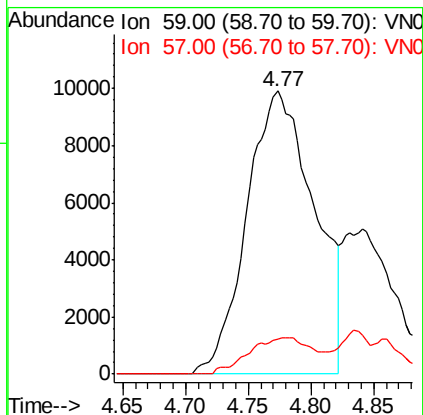
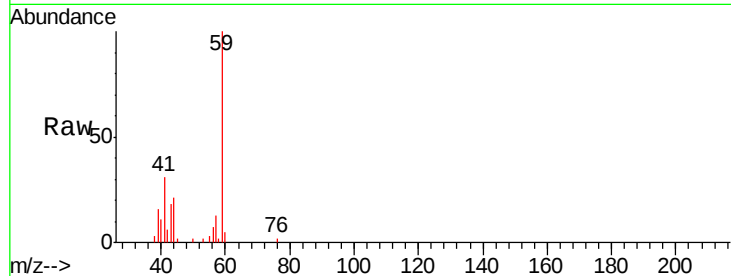


#11

Tert butyl alcohol
 Concen: 48.929 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampled :
 23722

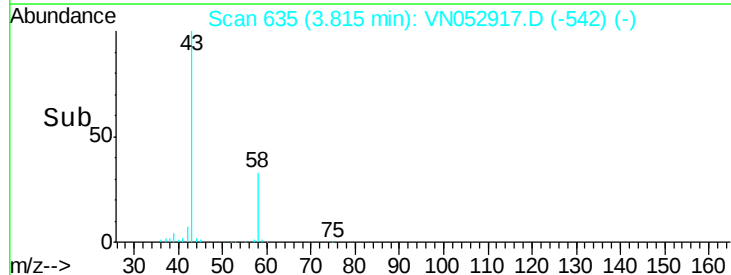
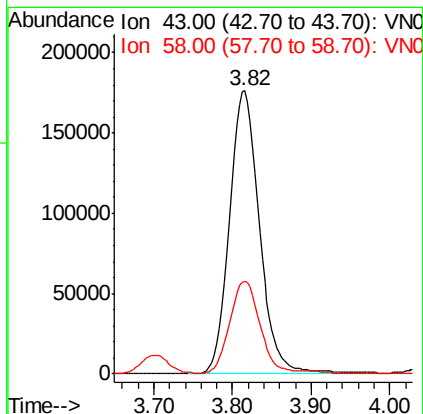
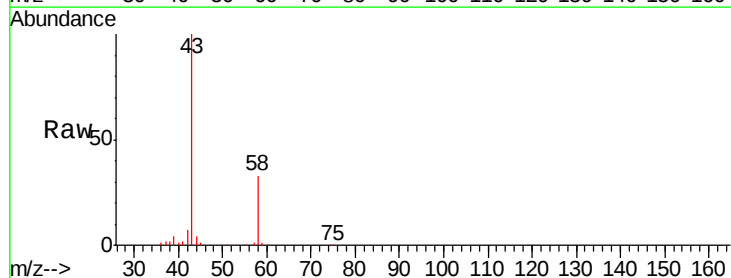
Tgt Ion: 59 Resp: 37036
 Ion Ratio Lower Upper
 59 100
 57 12.4 7.7 11.5#

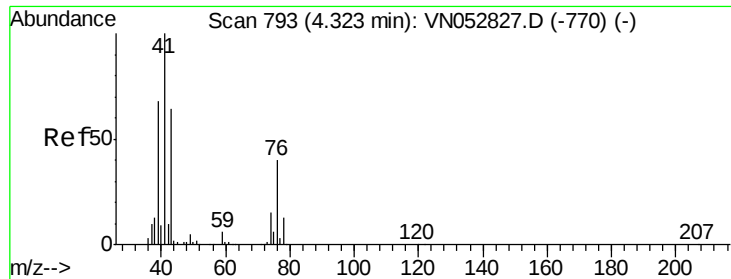


#16

Acetone
 Concen: 153.741 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion: 43 Resp: 467760
 Ion Ratio Lower Upper
 43 100
 58 32.3 25.4 38.0

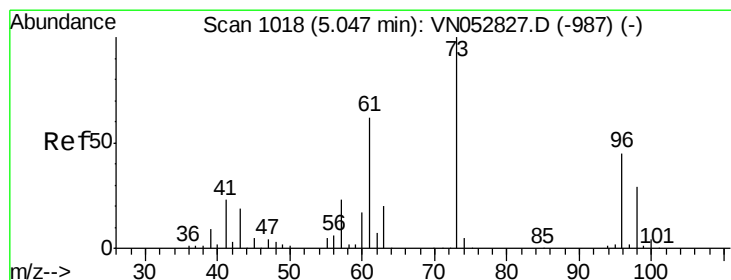
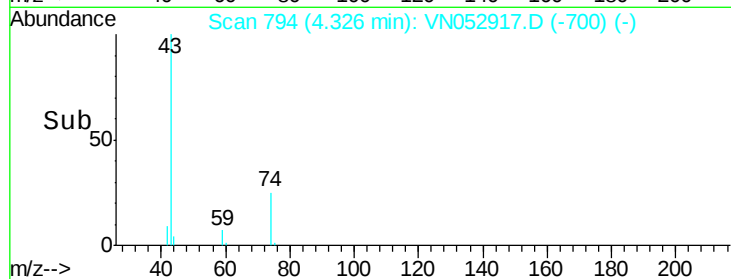
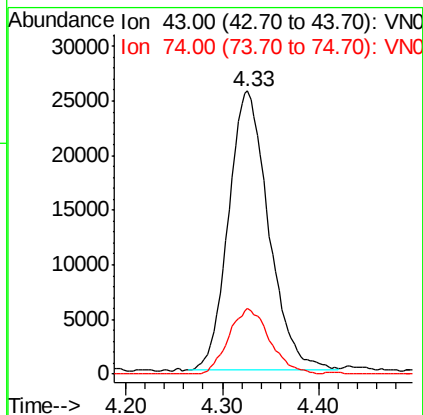
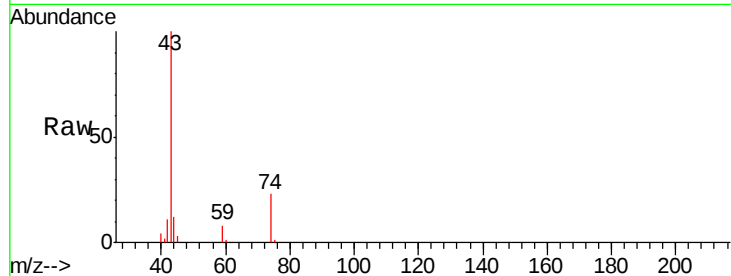




#18
Methyl Acetate
Concen: 6.592 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

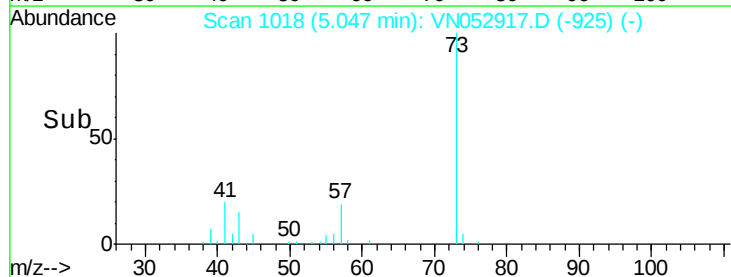
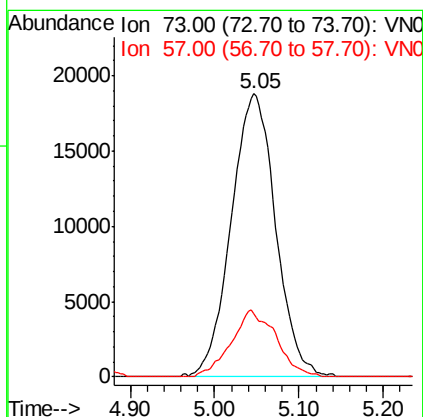
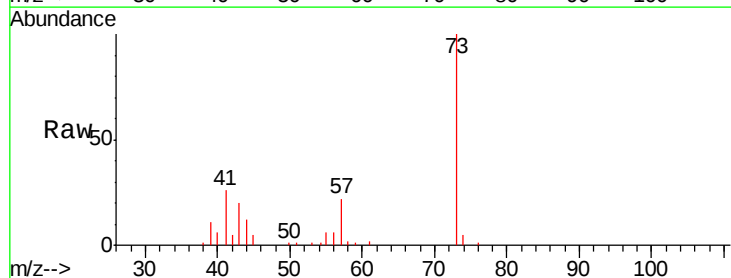
Instrument :
MSVOA_N
ClientSampleId :
23722

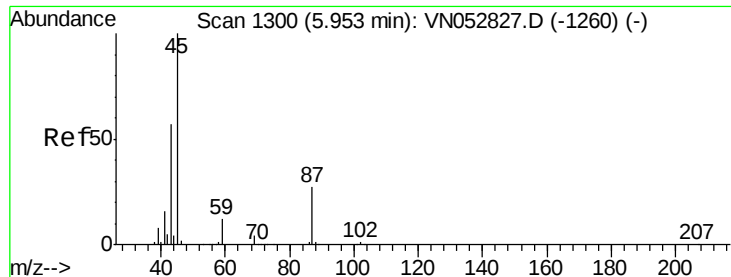
Tgt Ion: 43 Resp: 73606
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#19
Methyl tert-butyl Ether
Concen: 2.164 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 73 Resp: 68802
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6





#22

Diisopropyl ether

Concen: 18.566 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

23722

Tgt Ion: 45 Resp: 757816

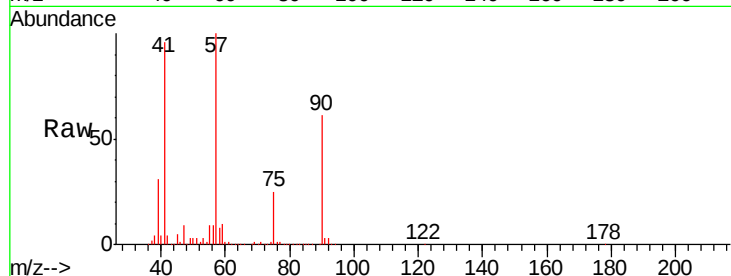
Ion Ratio Lower Upper

45 100

43 5.4 45.5 68.3#

87 0.4 22.0 33.0#

59 204.2 9.4 14.0#

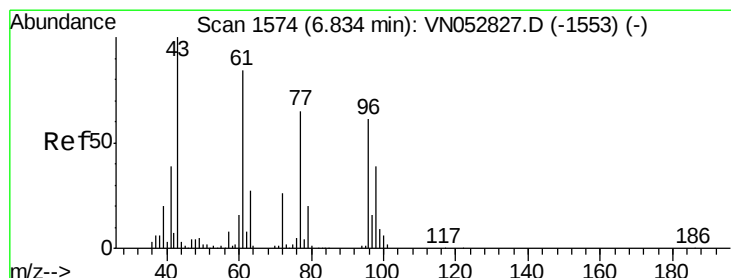
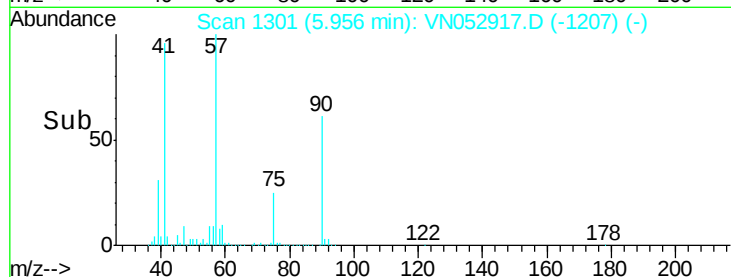
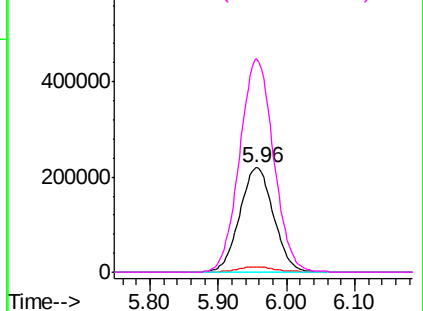


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#25

2-Butanone

Concen: 19.554 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052917.D

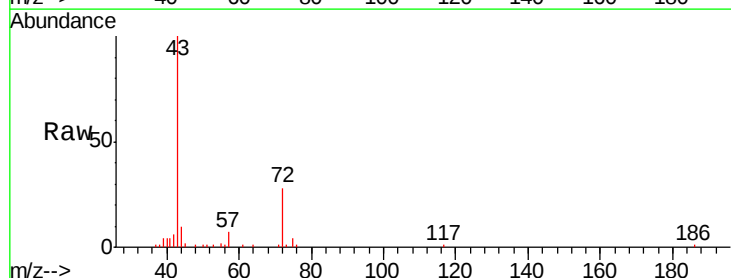
Acq: 17 Dec 2018 10:44

Tgt Ion: 43 Resp: 92314

Ion Ratio Lower Upper

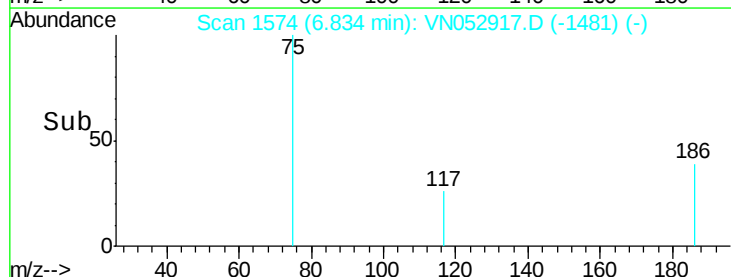
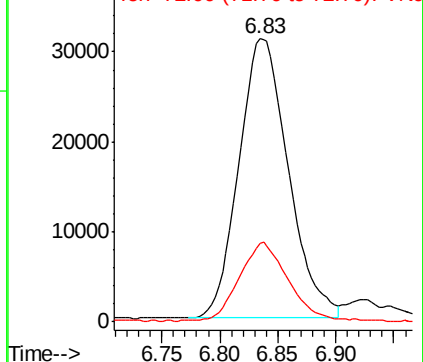
43 100

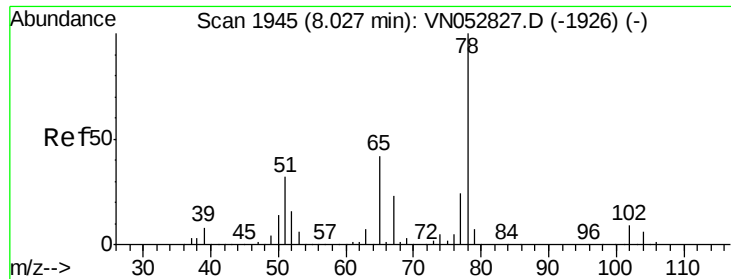
72 27.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

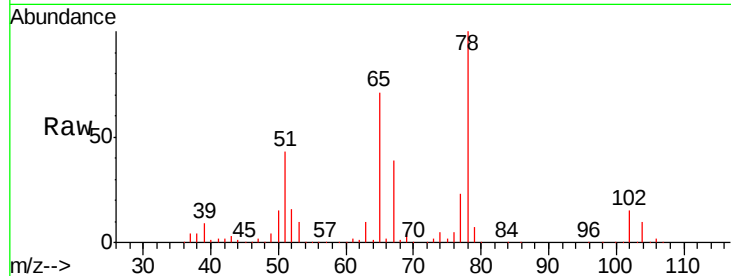
Instrument :
MSVOA_N
ClientSampleId :
23722

Tgt Ion: 65 Resp: 654210

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052827.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052827.D (-1926) (-)

8.03

300000

250000

200000

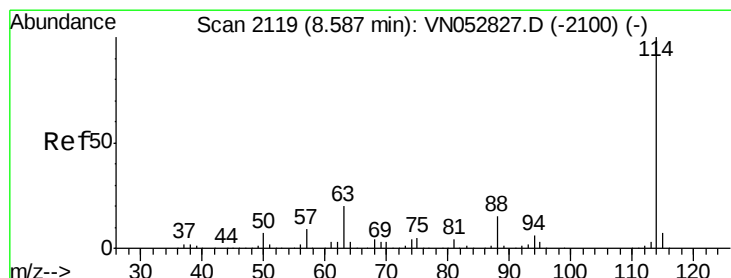
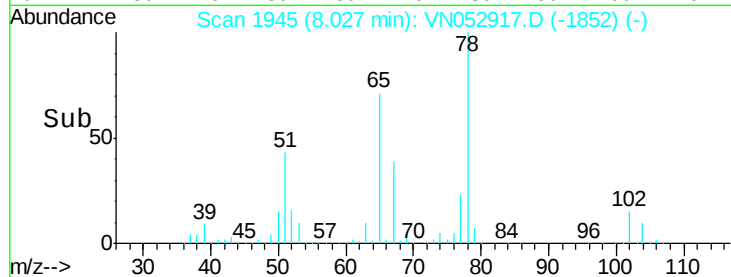
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

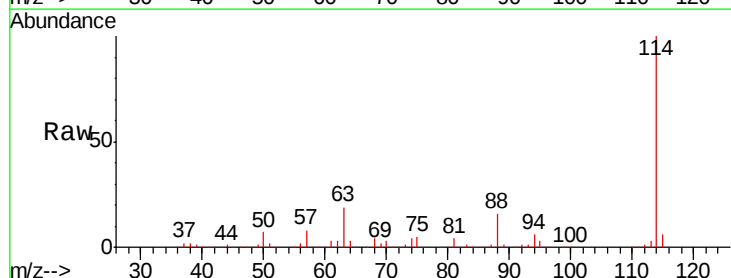
Tgt Ion: 114 Resp: 1978105

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN052827.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN052827.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN052827.D (-2100) (-)

8.59

1200000

1000000

800000

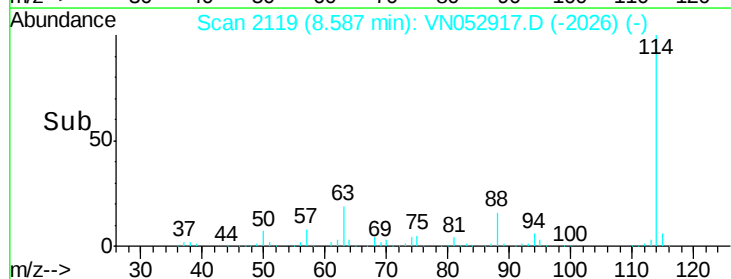
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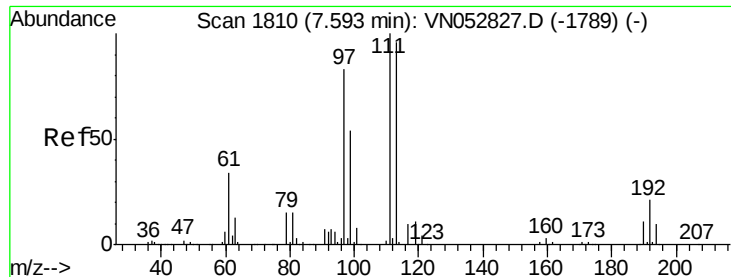
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200000

0

Time-->

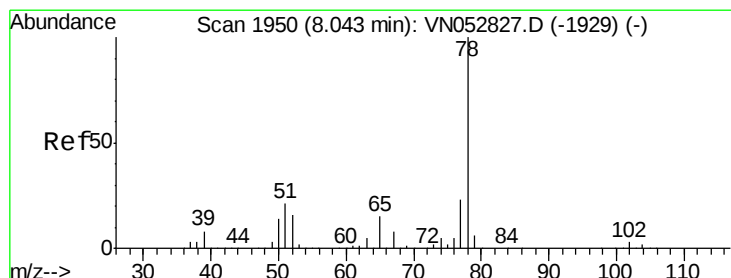
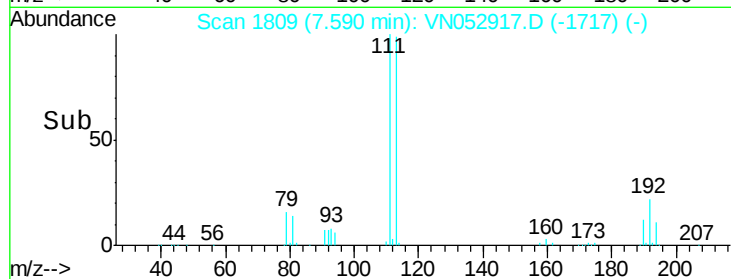
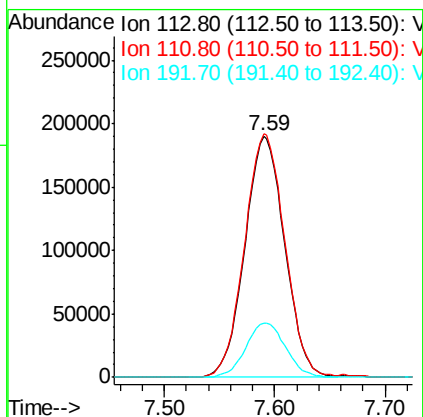
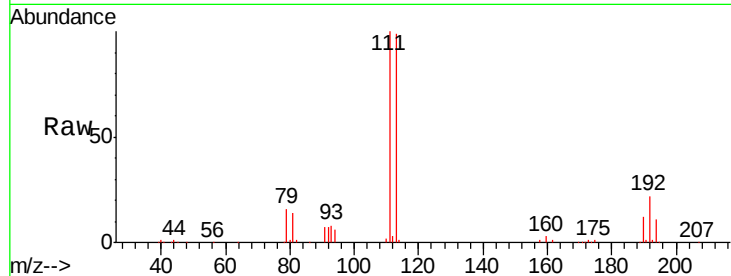




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

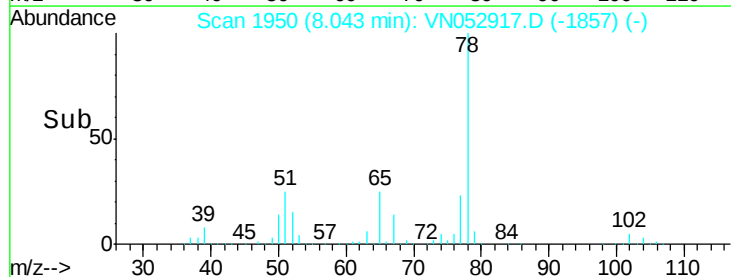
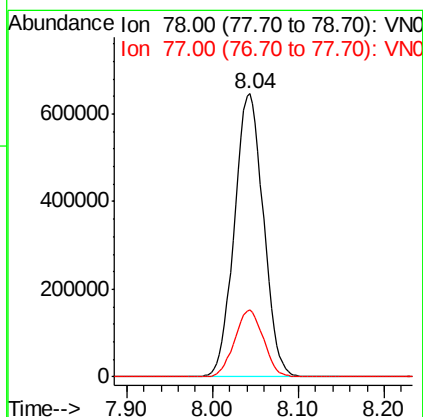
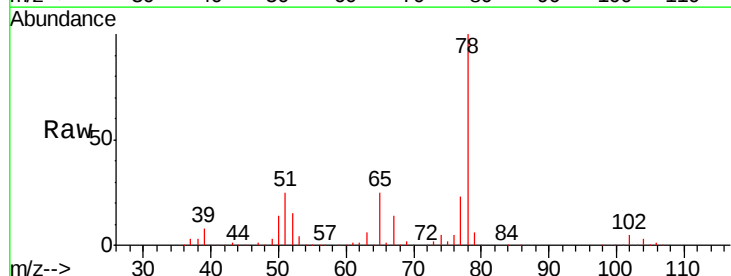
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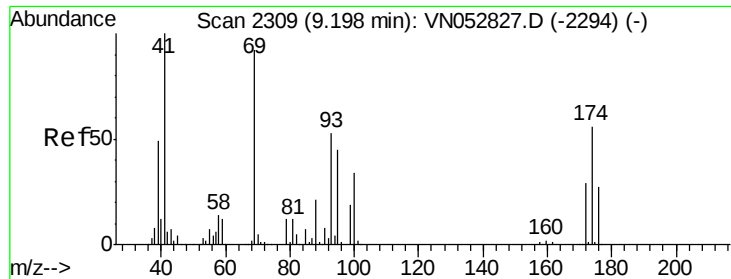
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.5	17.5	26.3



#40
 Benzene
 Concen: 27.722 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7

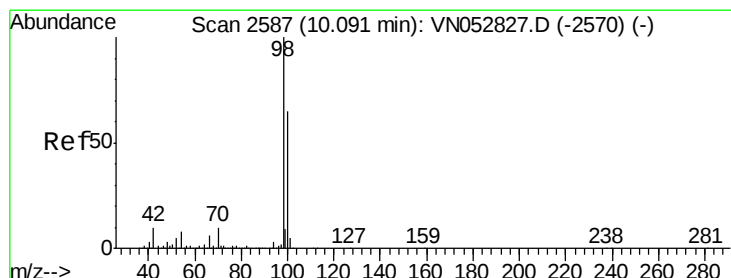
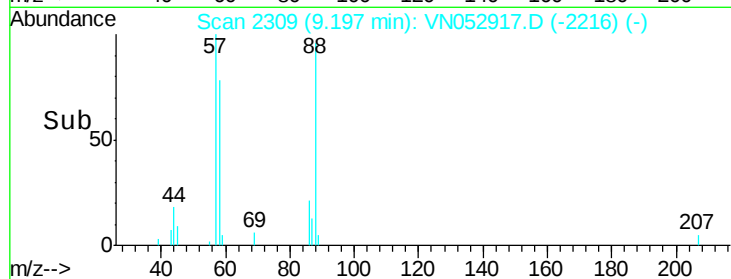
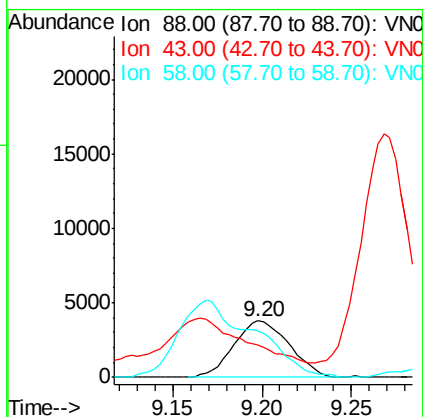
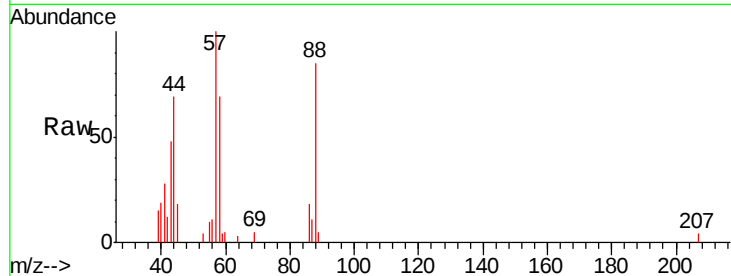




#49
 1,4-Dioxane
 Concen: 73.244 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

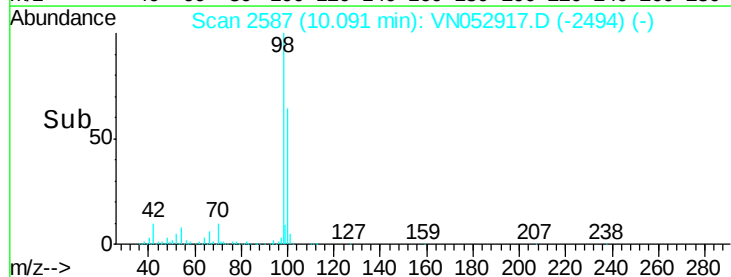
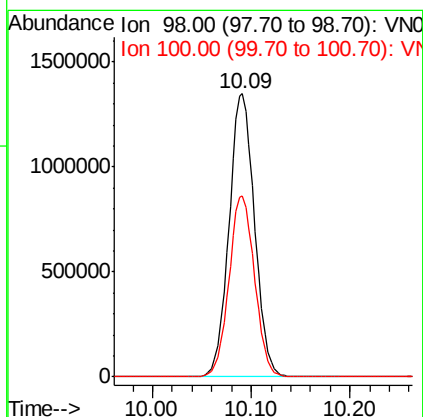
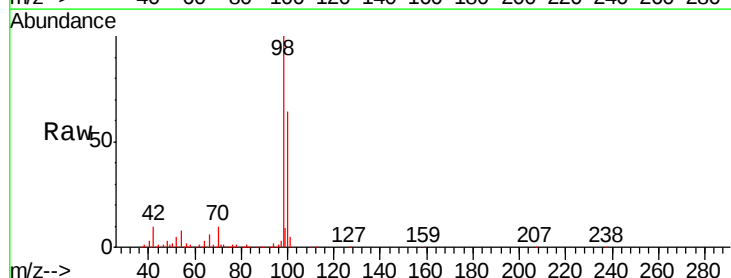
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

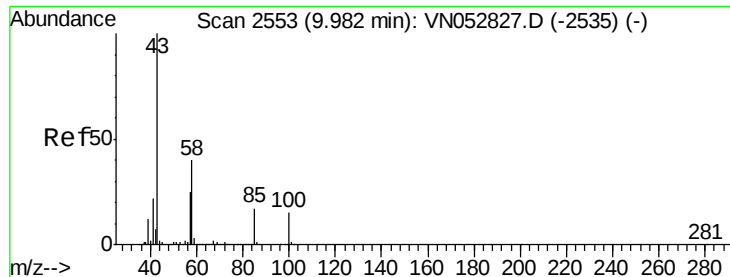
Tgt Ion: 88 Resp: 8180
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 40.0#
 58 0.0 58.4 87.6#



#50
 Toluene-d8
 Concen: 73.244 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion: 98 Resp: 2433401
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.6 77.4

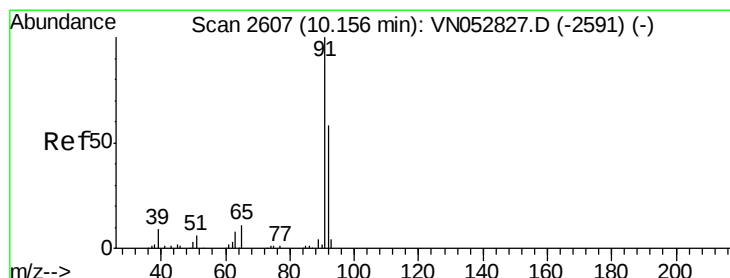
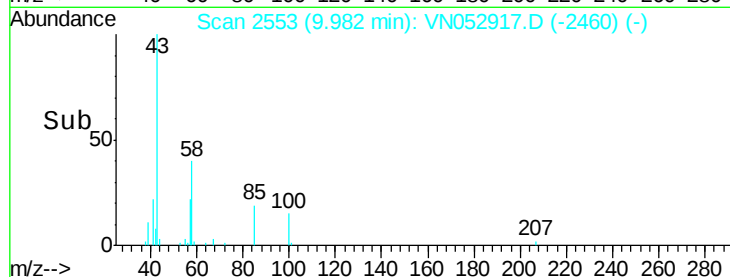
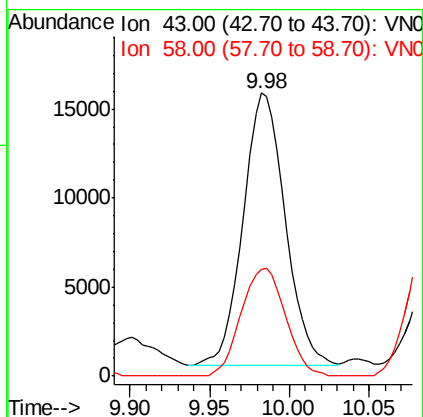
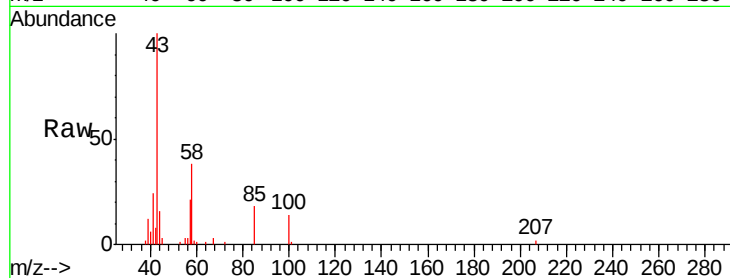




#51
 4-Methyl-2-Pentanone
 Concen: 2.666 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

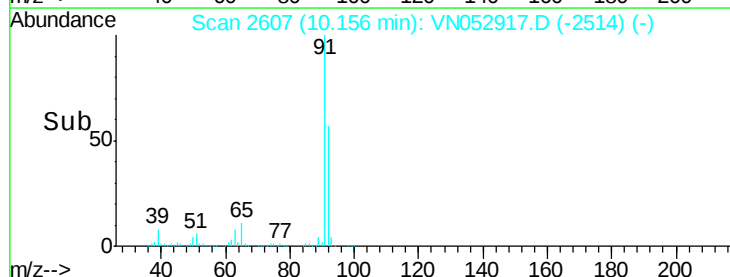
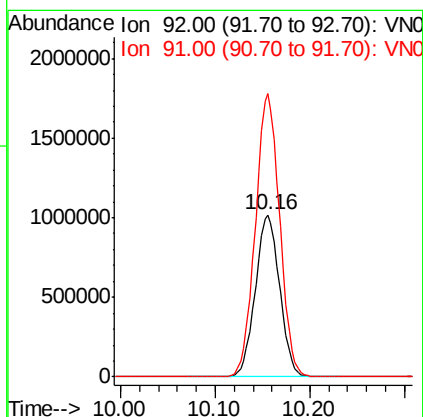
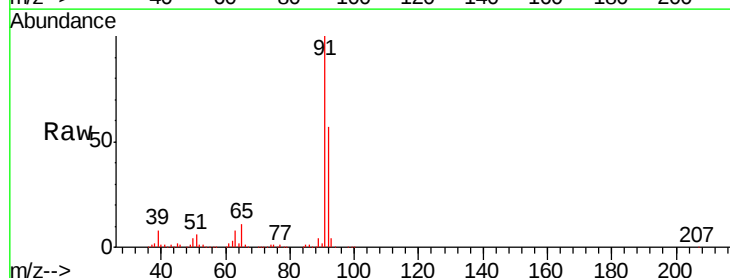
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

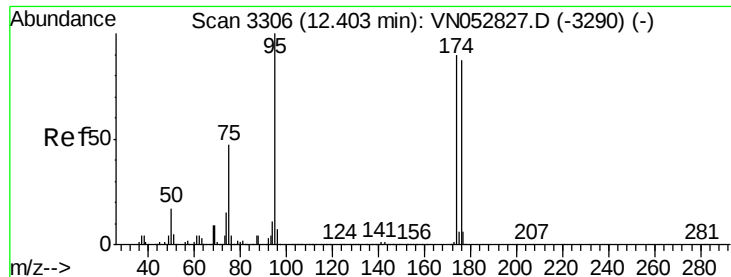
Tgt Ion: 43 Resp: 27426
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.2 48.4



#52
 Toluene
 Concen: 54.697 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion: 92 Resp: 1811181
 Ion Ratio Lower Upper
 92 100
 91 174.7 139.8 209.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

23722

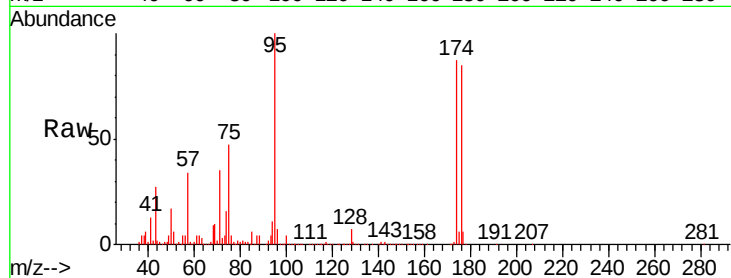
Tgt Ion: 95 Resp: 846007

Ion Ratio Lower Upper

95 100

174 88.0 0.0 178.8

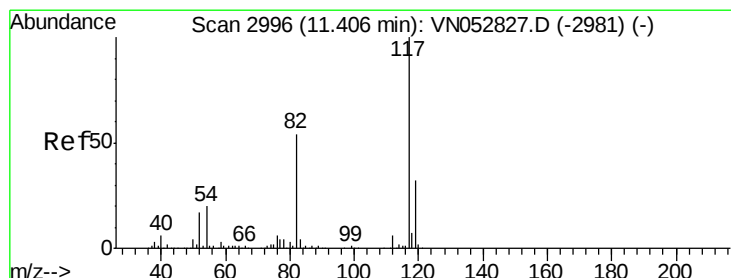
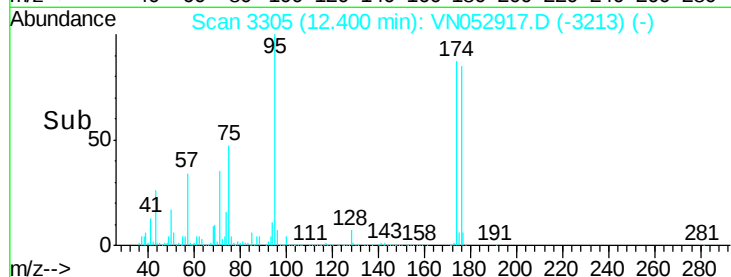
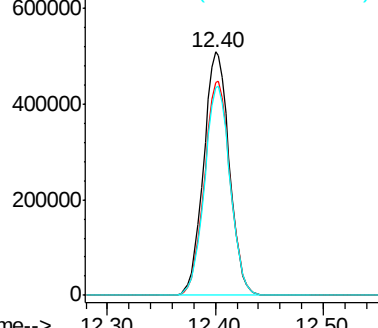
176 85.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

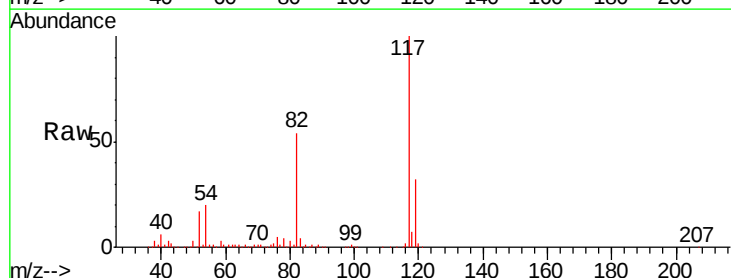
Tgt Ion: 117 Resp: 1791687

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

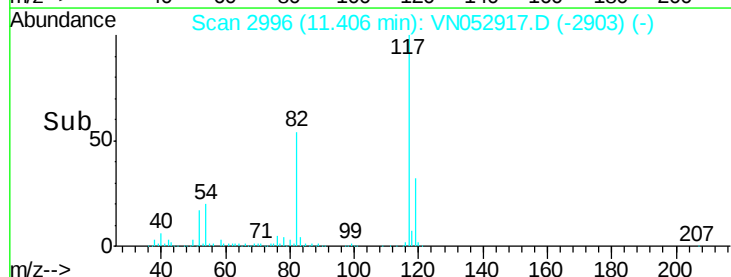
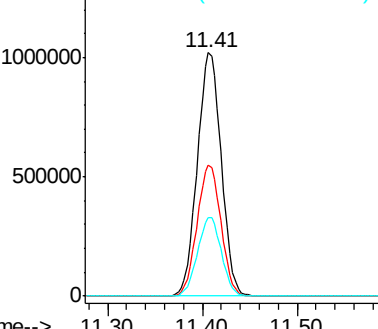
119 32.2 25.5 38.3

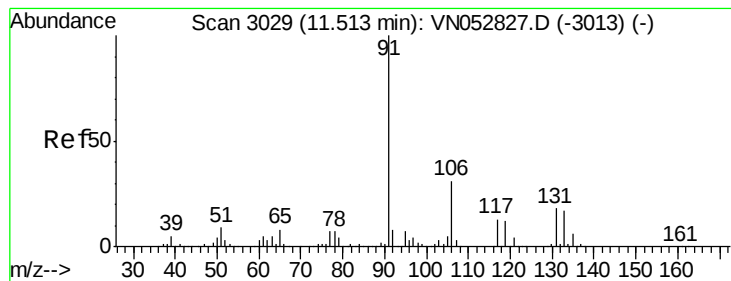


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)





#67

Ethyl Benzene

Concen: 14.434 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

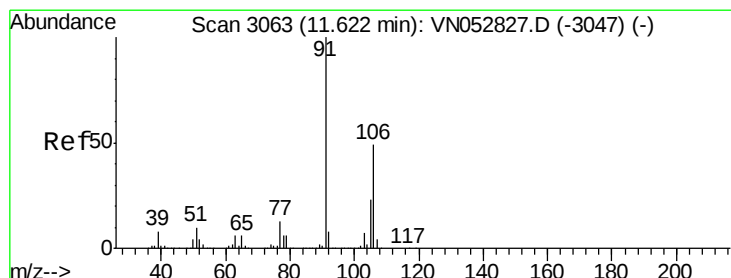
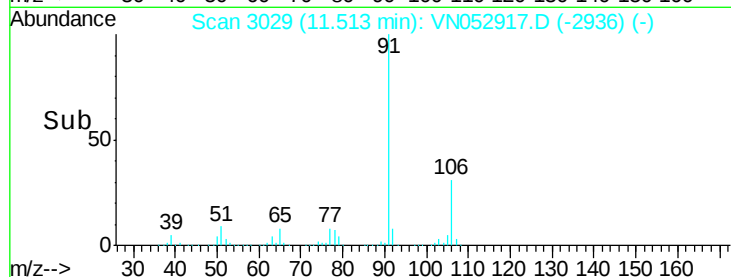
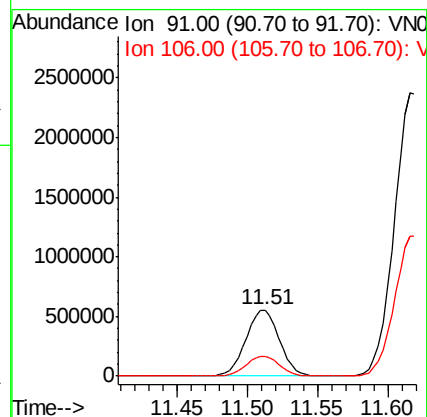
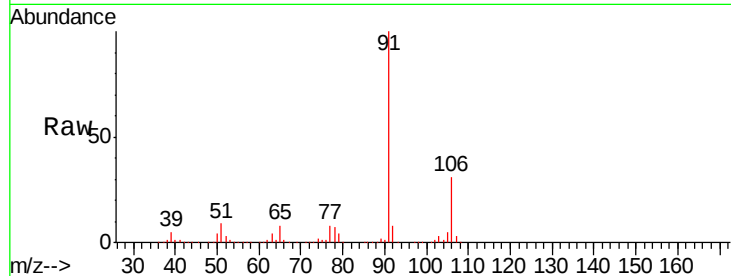
23722

Tgt Ion: 91 Resp: 921405

Ion Ratio Lower Upper

91 100

106 30.6 24.9 37.3



#68

m/p-Xylenes

Concen: 88.057 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052917.D

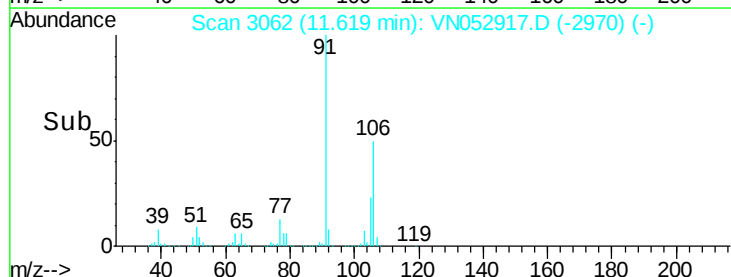
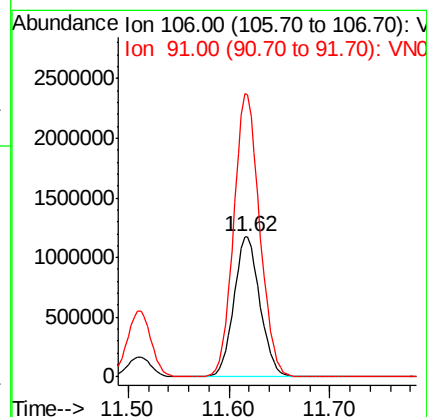
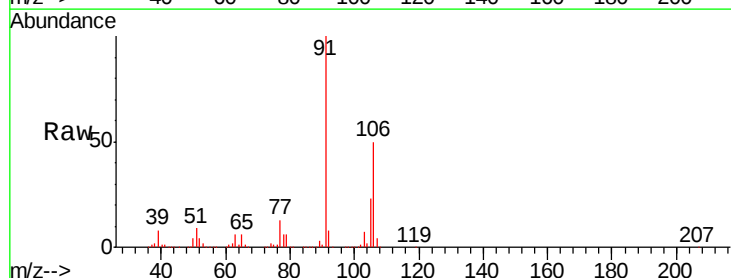
Acq: 17 Dec 2018 10:44

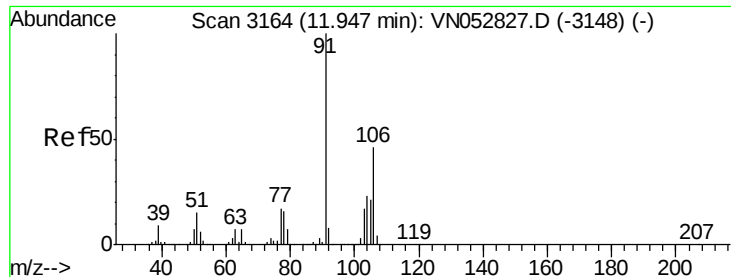
Tgt Ion: 106 Resp: 2110644

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.4

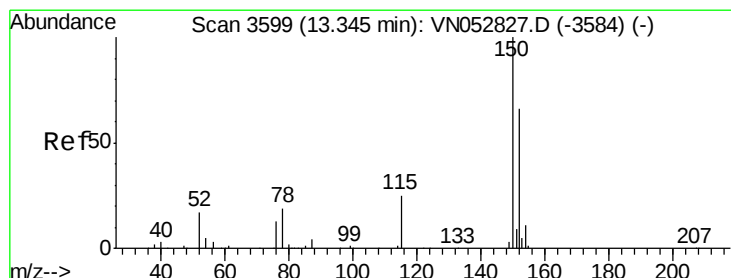
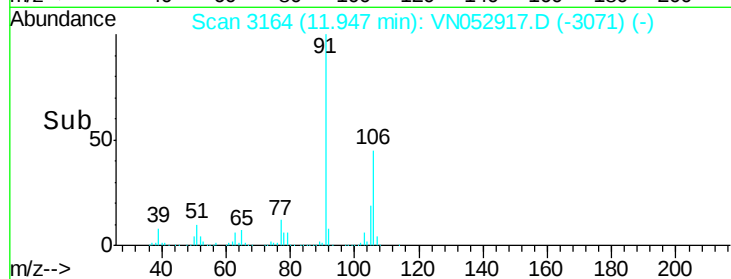
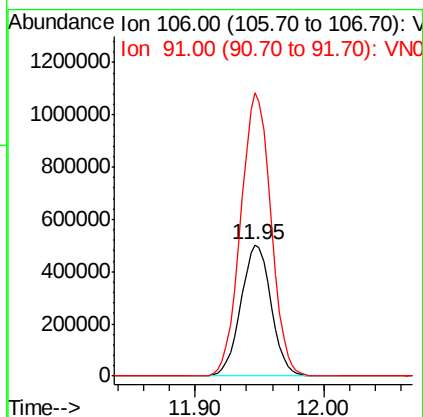
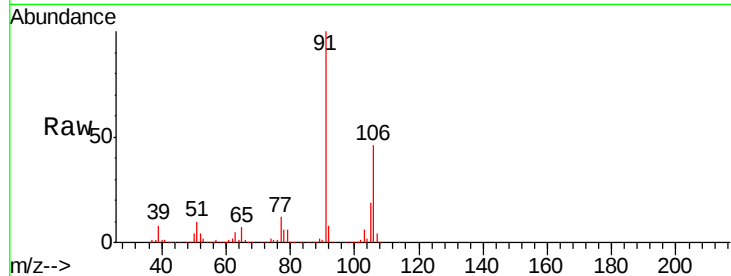




#69
o-Xylene
Concen: 34.938 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

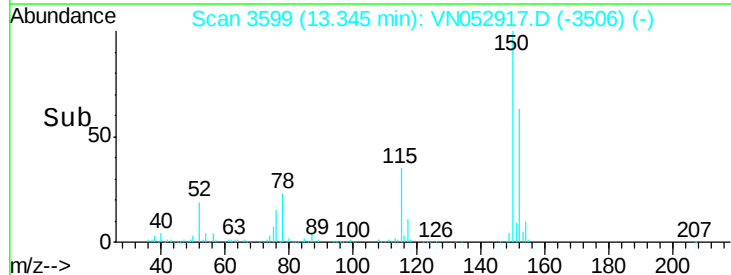
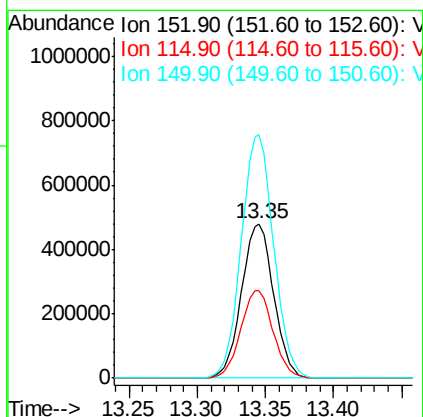
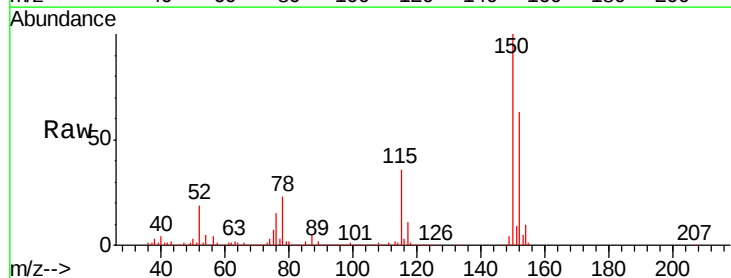
Instrument :
MSVOA_N
ClientSampled :
23722

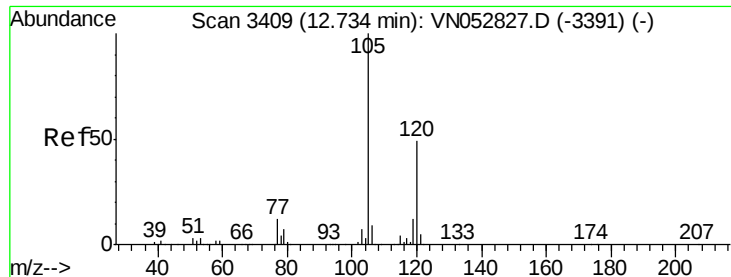
Tgt Ion:106 Resp: 817736
Ion Ratio Lower Upper
106 100
91 216.5 106.6 319.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion:152 Resp: 781564
Ion Ratio Lower Upper
152 100
115 57.2 28.3 85.0
150 159.8 0.0 347.8

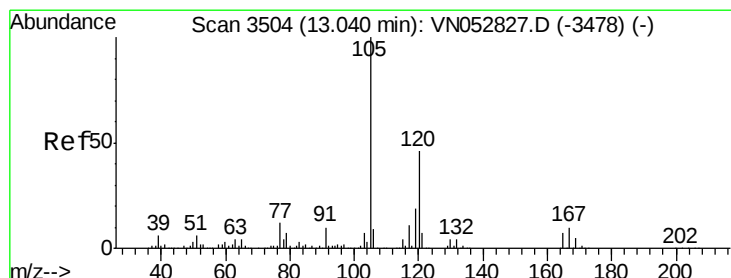
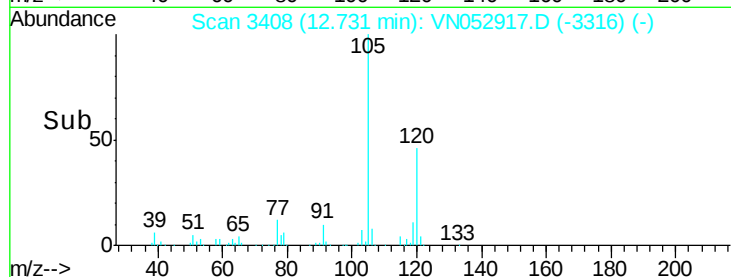
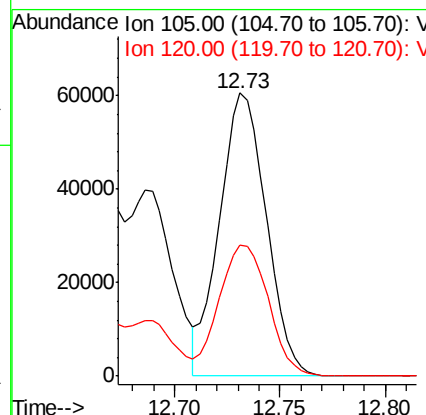
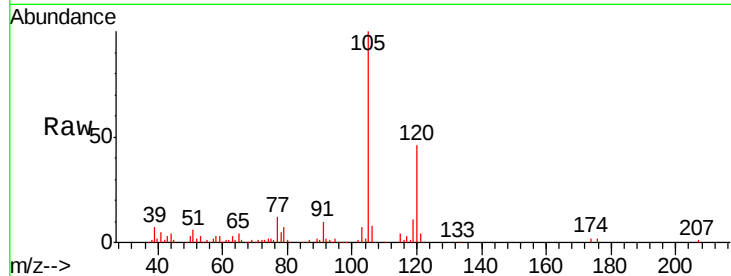




#80
 1,3,5-Trimethylbenzene
 Concen: 1.979 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

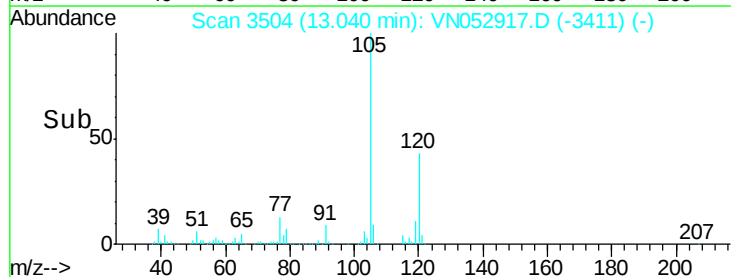
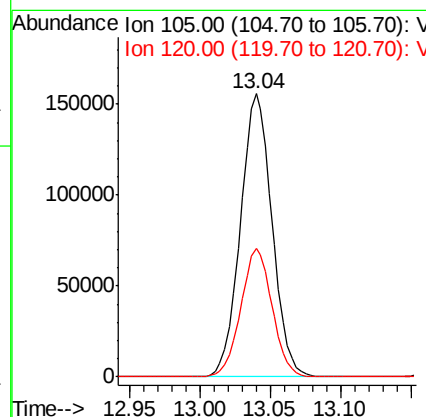
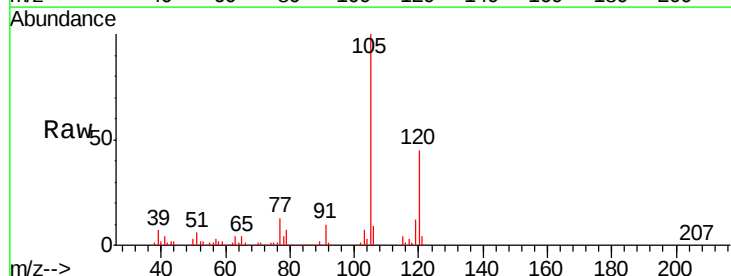
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

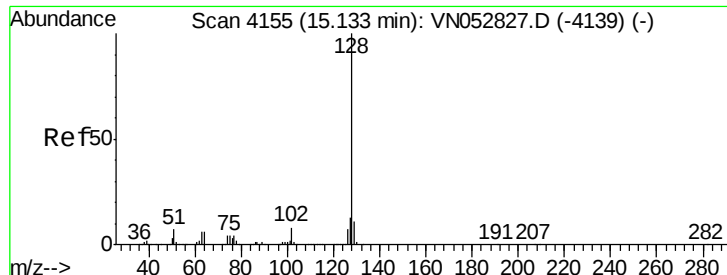
Tgt Ion:105 Resp: 93239
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 5.125 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion:105 Resp: 244400
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.9 68.8





#95

Naphthalene

Concen: 2.178 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

23722

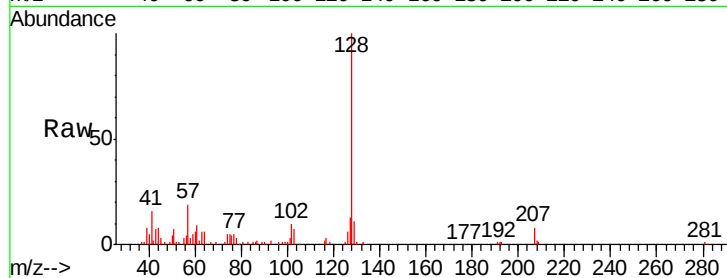
Tgt Ion:128 Resp: 62201

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.2 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

