

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052937.D
 Acq On : 17 Dec 2018 19:38
 Operator : MD\SY
 Sample : J6437-05 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23723

Quant Time: Dec 18 06:17:56 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

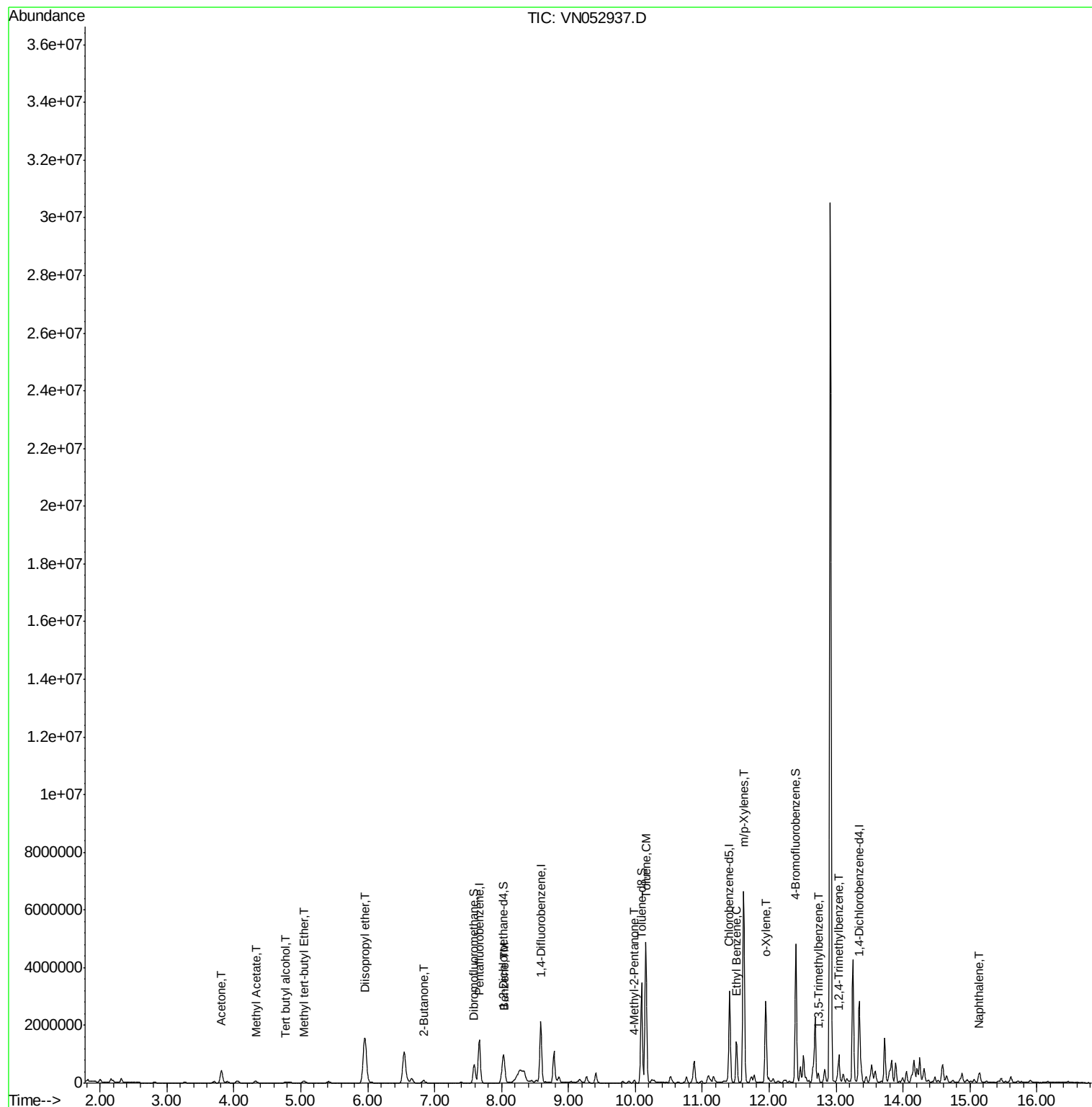
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1304410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1999958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1826465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	776827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	638262	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
35) Dibromofluoromethane	7.59	113	502344	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.00%	
50) Toluene-d8	10.09	98	2470602	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.40	95	854454	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.77	59	62593	80.768	ug/l	99
16) Acetone	3.81	43	733902	235.602	ug/l	97
18) Methyl Acetate	4.33	43	126801	11.092	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	103922	3.192	ug/l	96
22) Diisopropyl ether	5.96	45	64438	1.542	ug/l #	1
25) 2-Butanone	6.84	43	152436	31.538	ug/l	99
40) Benzene	8.04	78	304548	5.510	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	70840	6.811	ug/l	99
52) Toluene	10.16	92	2156229	64.406	ug/l	100
67) Ethyl Benzene	11.51	91	1083636	16.653	ug/l	99
68) m/p-Xylenes	11.62	106	2148986	87.949	ug/l	99
69) o-Xylene	11.95	106	793463	33.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	173882	3.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	546908	11.538	ug/l	99
95) Naphthalene	15.13	128	212699	7.492	ug/l	100

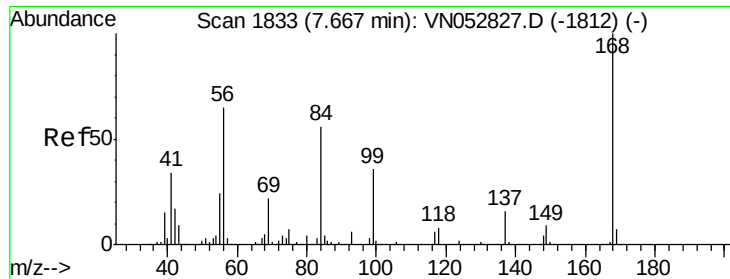
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

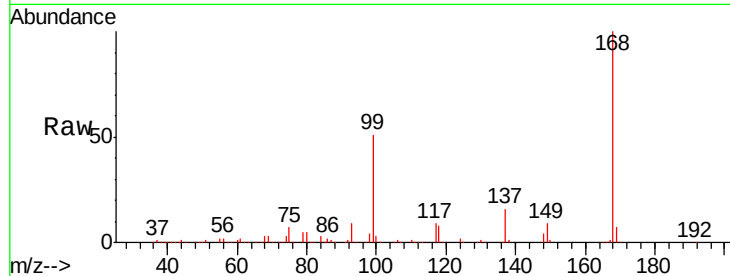
Instrument :
MSVOA_N
ClientSampled :
23723

Tgt Ion:168 Resp: 1304410

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

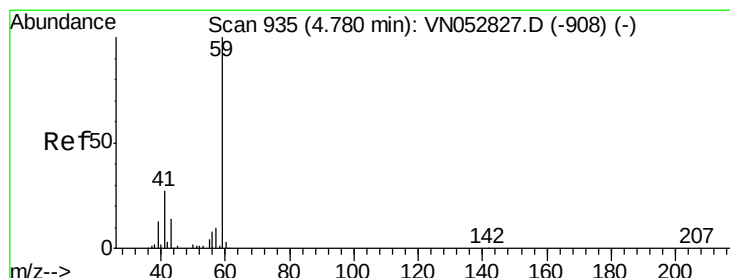
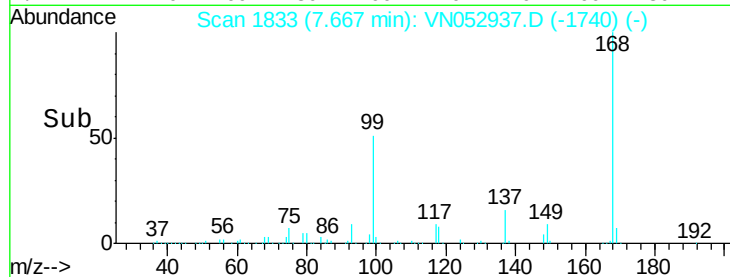
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 80.768 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN052937.D

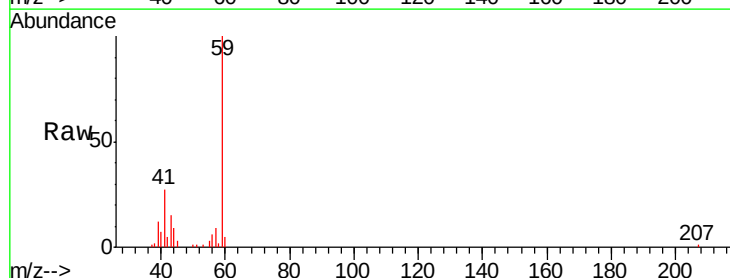
Acq: 17 Dec 2018 19:38

Tgt Ion: 59 Resp: 62593

Ion Ratio Lower Upper

59 100

57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

20000

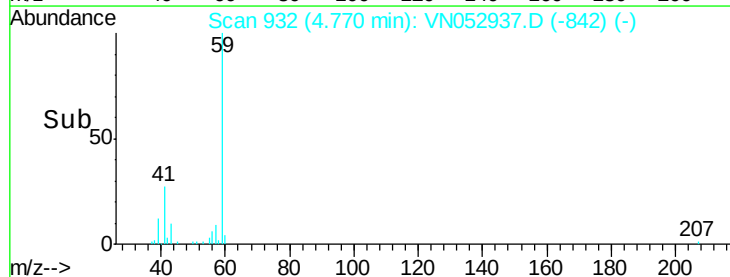
15000

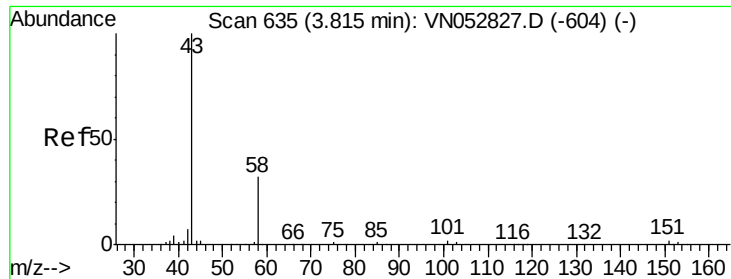
10000

5000

0

Time-->





#16

Acetone

Concen: 235.602 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

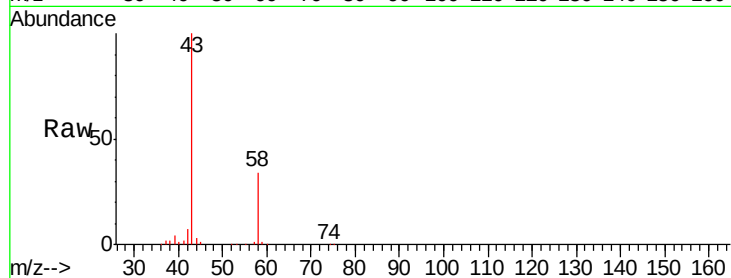
23723

Tgt Ion: 43 Resp: 733902

Ion Ratio Lower Upper

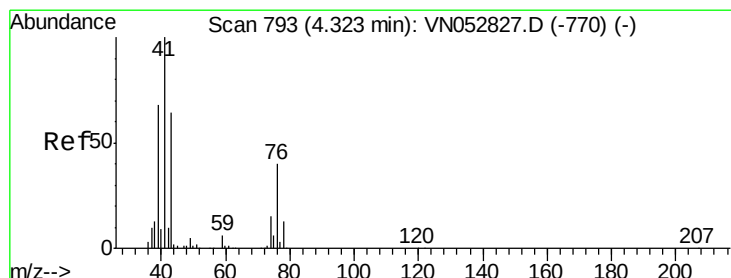
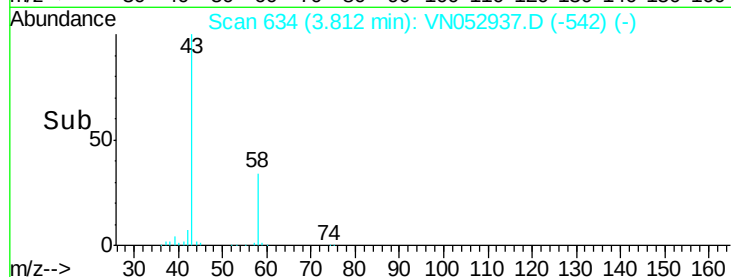
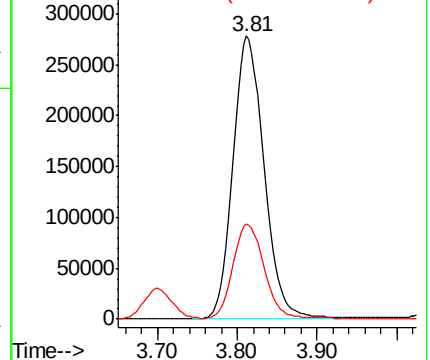
43 100

58 33.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 11.092 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052937.D

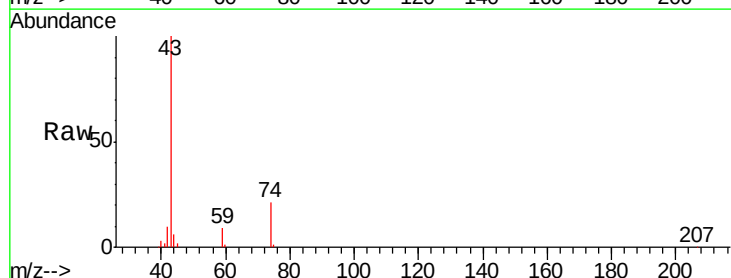
Acq: 17 Dec 2018 19:38

Tgt Ion: 43 Resp: 126801

Ion Ratio Lower Upper

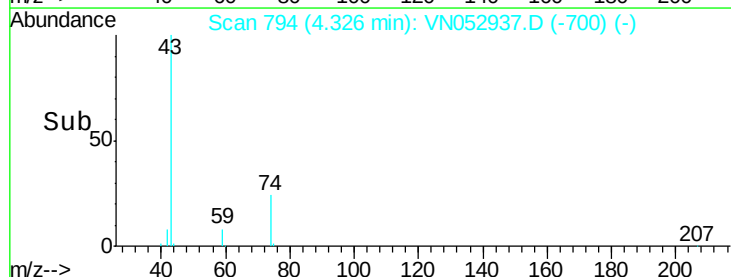
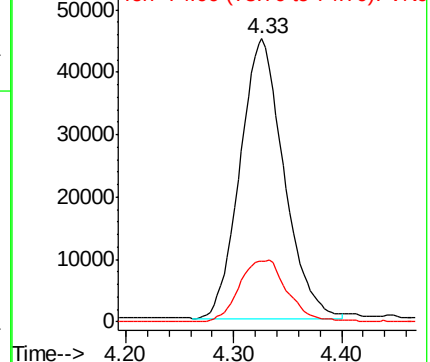
43 100

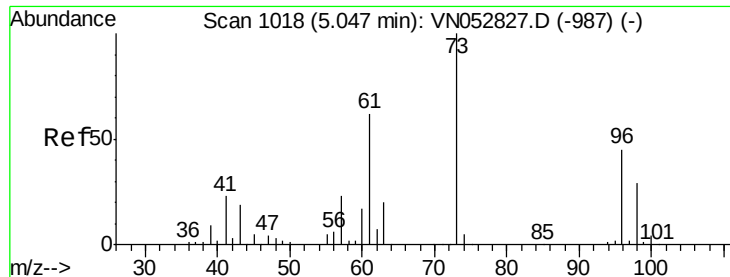
74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

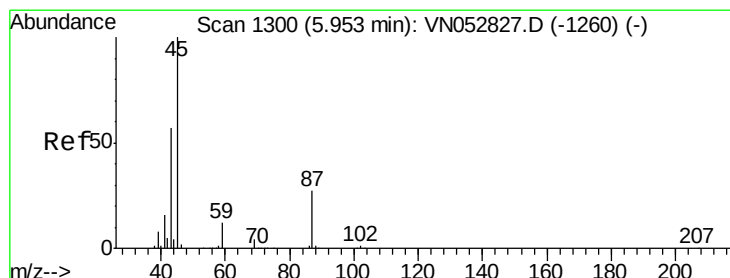
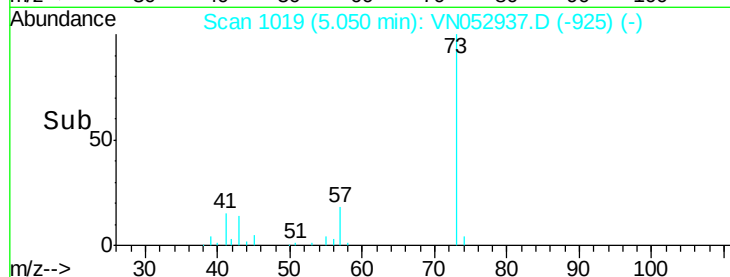
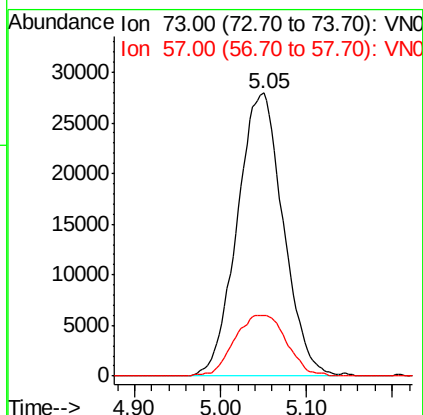
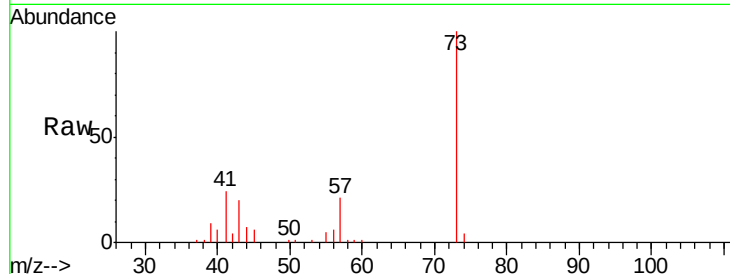




#19
Methyl tert-butyl Ether
Concen: 3.192 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

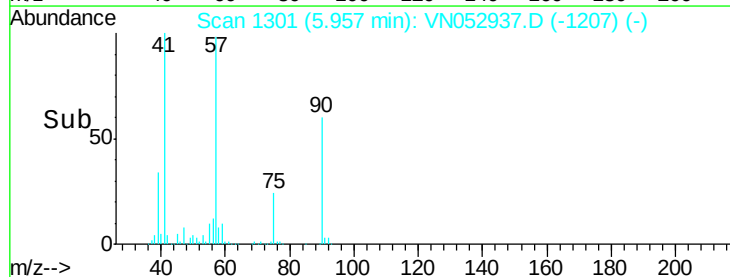
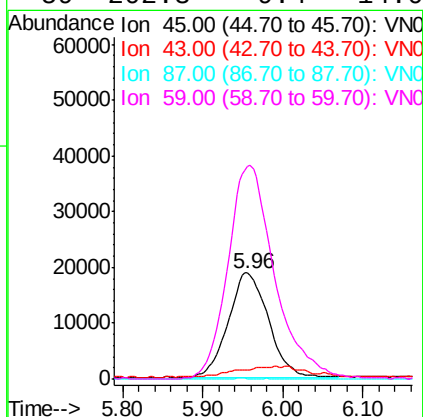
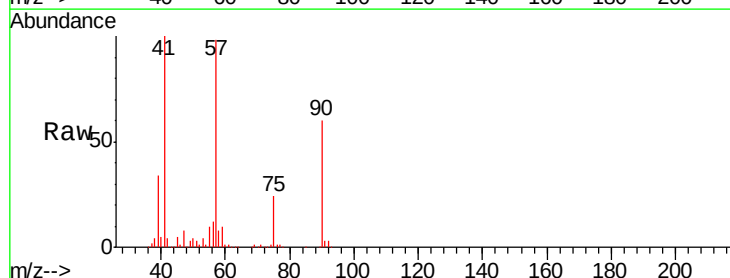
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23723

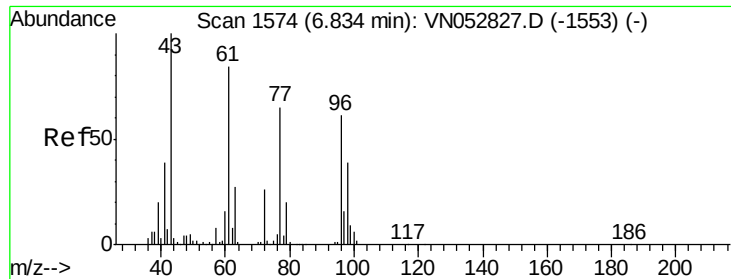
Tgt Ion: 73 Resp: 103922
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#22
Diisopropyl ether
Concen: 1.542 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 45 Resp: 64438
Ion Ratio Lower Upper
45 100
43 6.2 45.5 68.3#
87 0.0 22.0 33.0#
59 202.3 9.4 14.0#

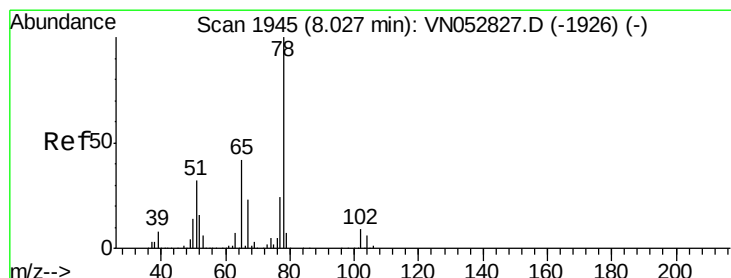
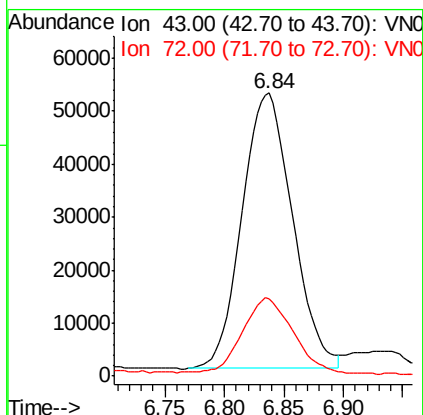
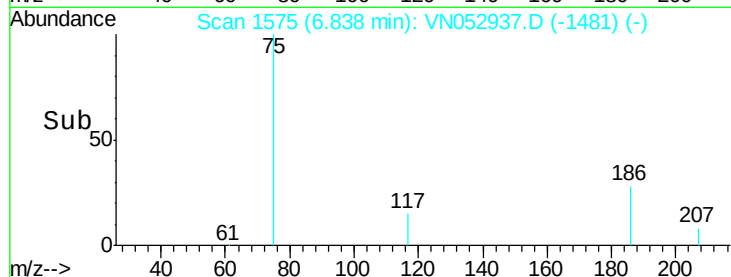
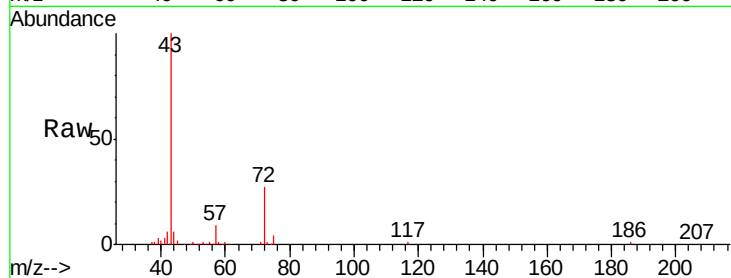




#25
2-Butanone
Concen: 31.538 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

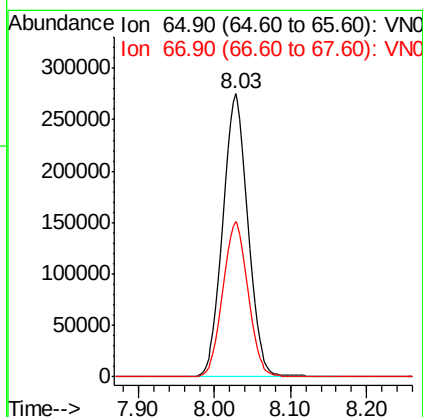
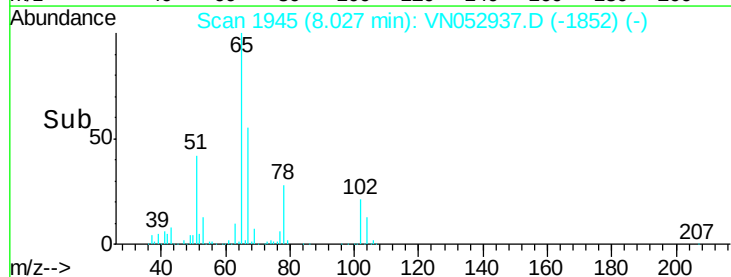
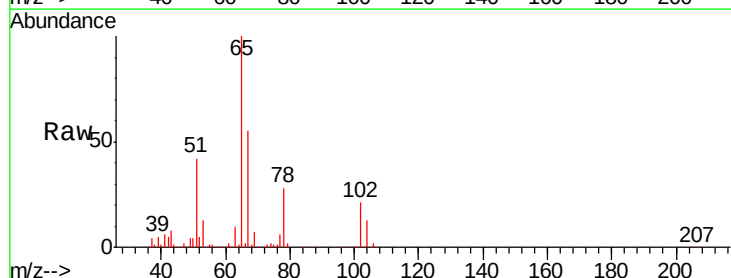
Instrument :
MSVOA_N
ClientSampled :
23723

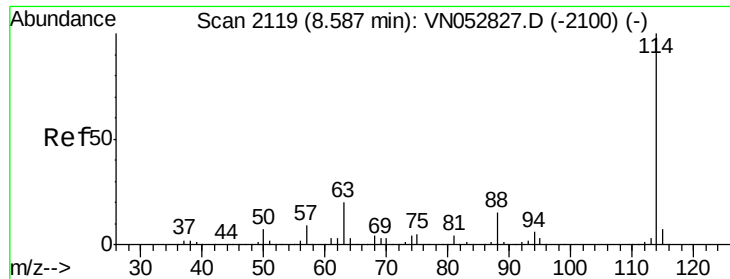
Tgt Ion: 43 Resp: 152436
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 65 Resp: 638262
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4

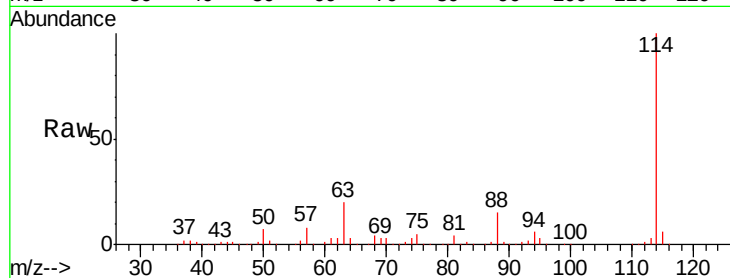




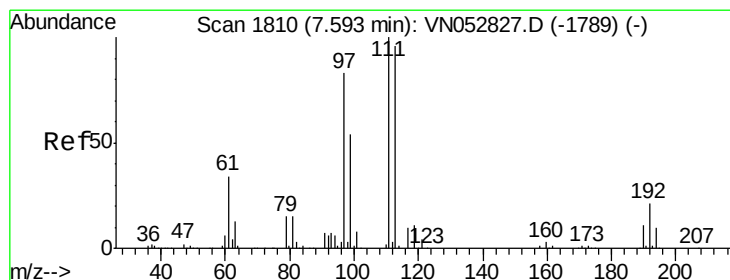
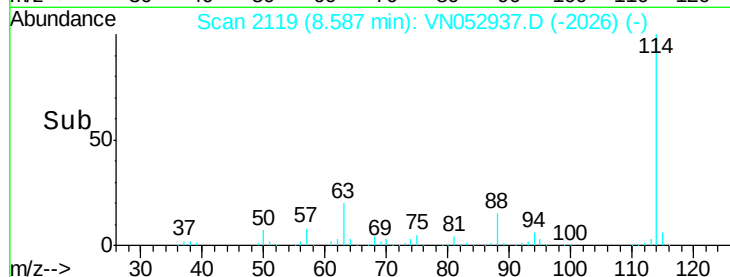
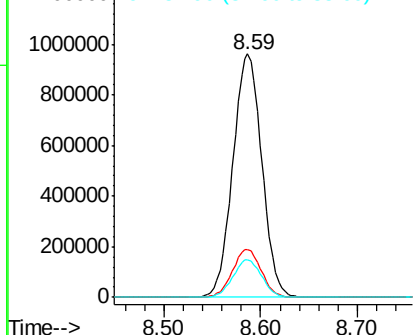
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 23723

Tgt Ion:114 Resp: 1999958
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 0.0 31.0

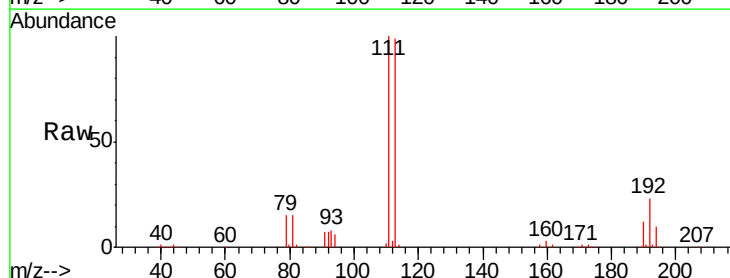


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 87.90 (87.60 to 88.60): VN0

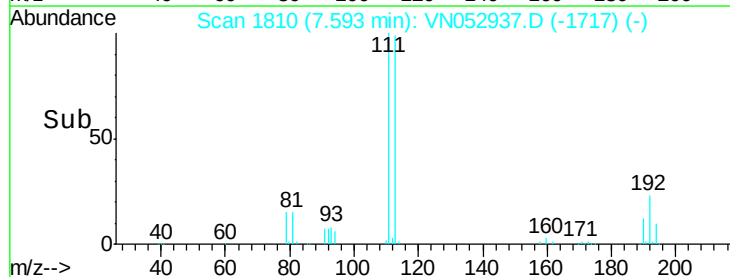
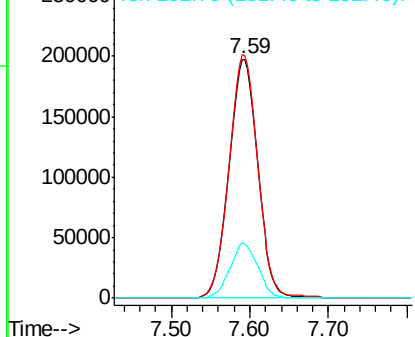


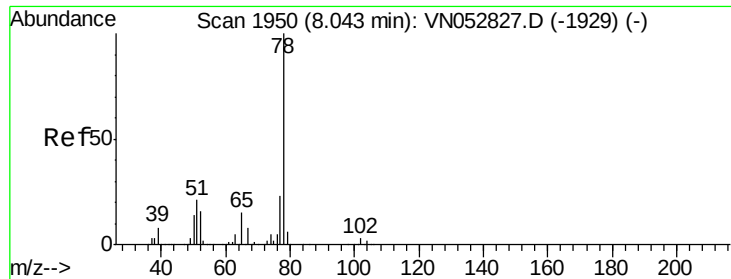
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Tgt Ion:113 Resp: 502344
 Ion Ratio Lower Upper
 113 100
 111 100.5 83.0 124.4
 192 22.4 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





#40

Benzene

Concen: 5.510 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

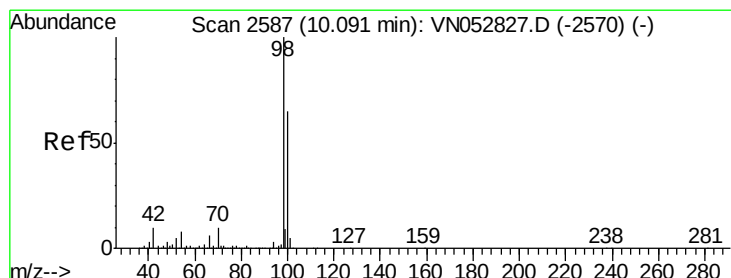
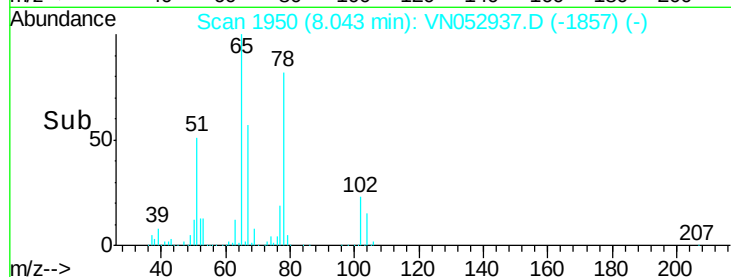
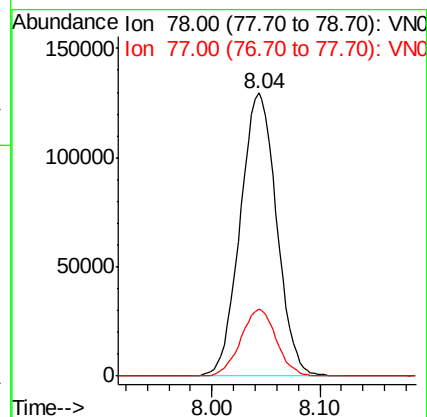
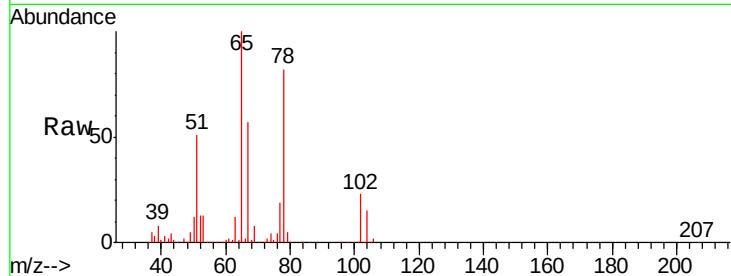
ClientSampled :
23723

Tgt Ion: 78 Resp: 304548

Ion Ratio Lower Upper

78 100

77 23.6 18.5 27.7



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052937.D

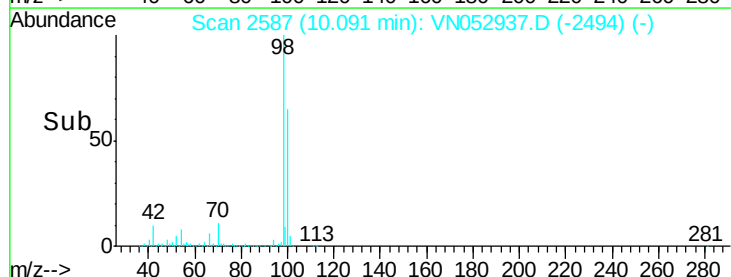
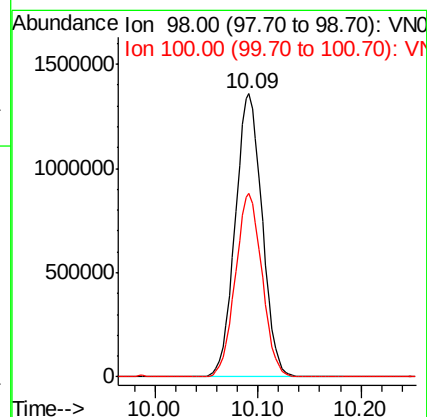
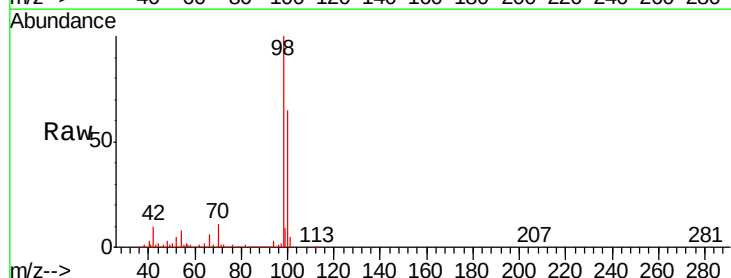
Acq: 17 Dec 2018 19:38

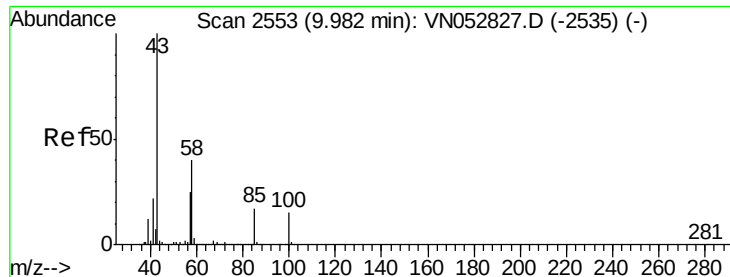
Tgt Ion: 98 Resp: 2470602

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4

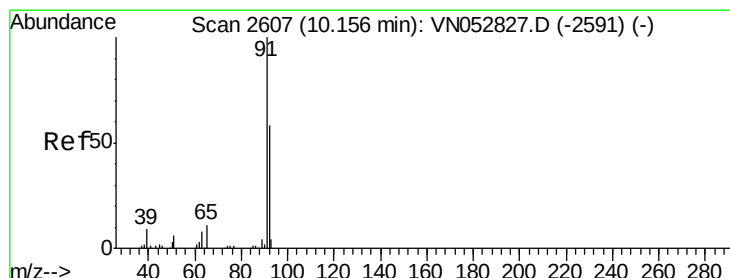
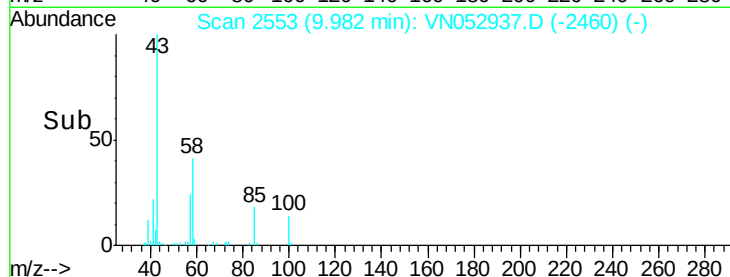
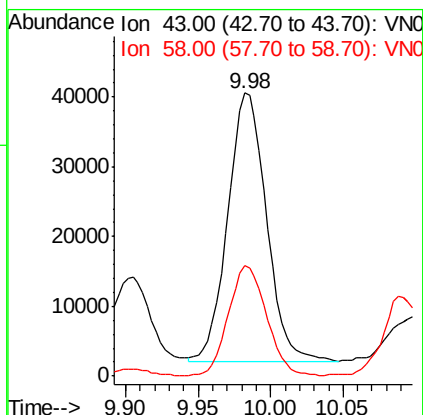
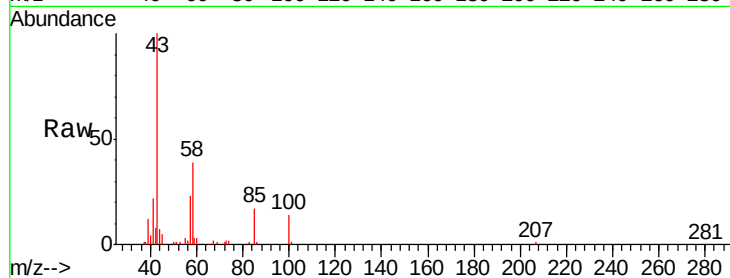




#51
 4-Methyl-2-Pentanone
 Concen: 6.811 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

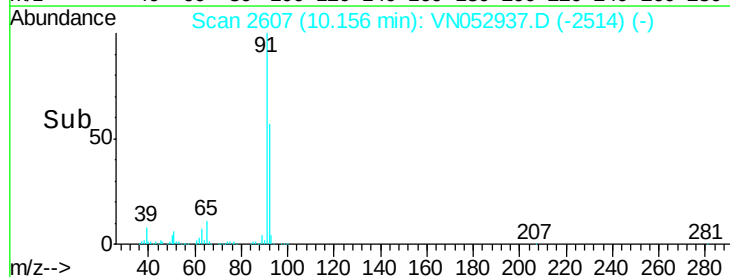
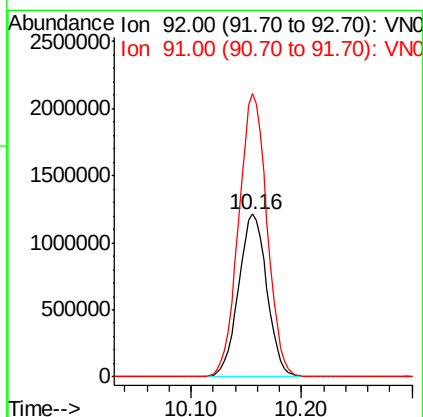
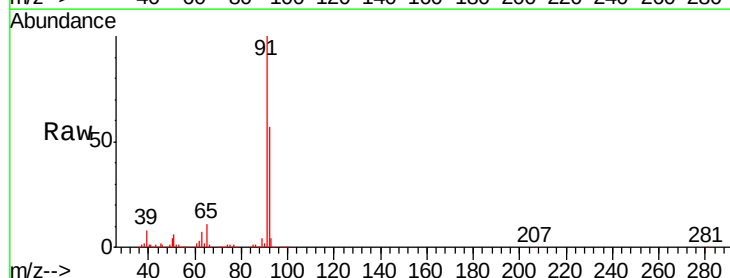
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 23723

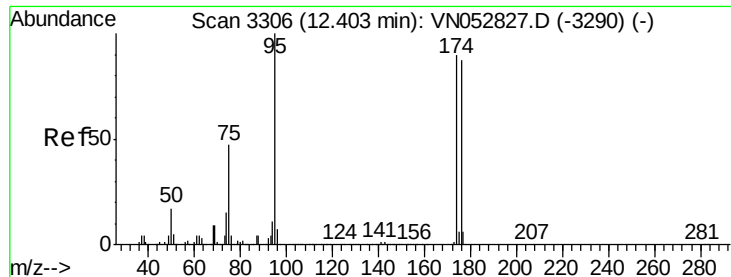
Tgt Ion: 43 Resp: 70840
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4



#52
 Toluene
 Concen: 64.406 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Tgt Ion: 92 Resp: 2156229
 Ion Ratio Lower Upper
 92 100
 91 174.6 139.8 209.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

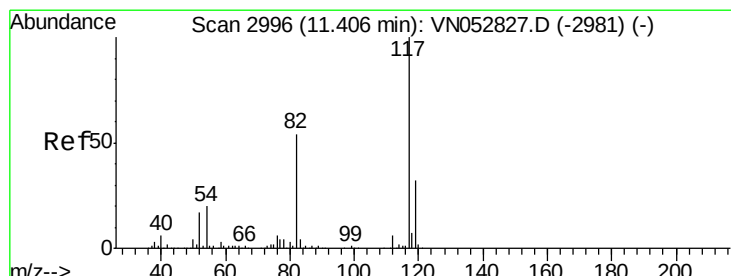
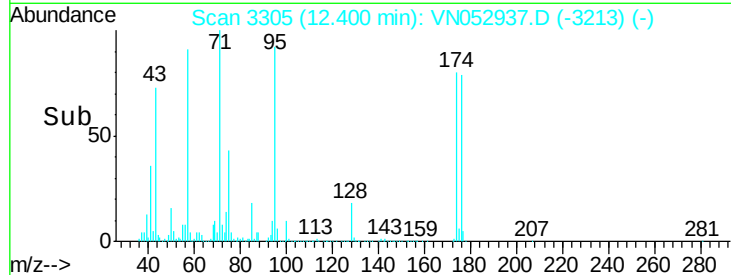
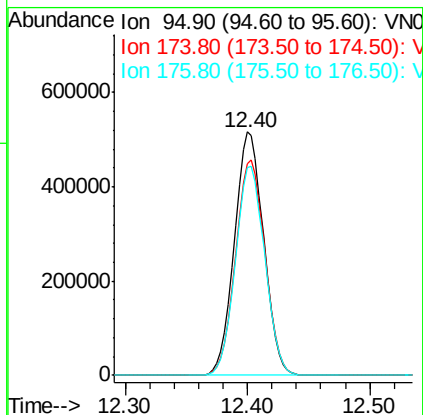
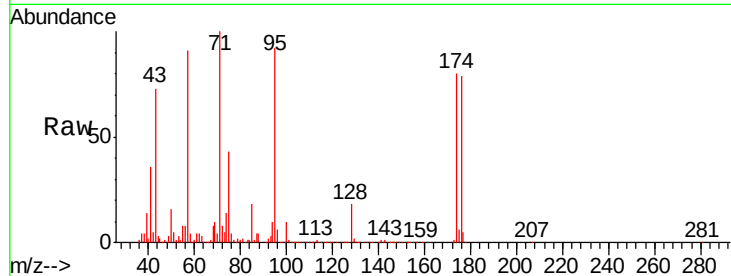
Delta R.T. -0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :
MSVOA_N
ClientSampleId :
23723

Tgt Ion:	95	Resp:	854454
Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	178.8
176	86.3	0.0	173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

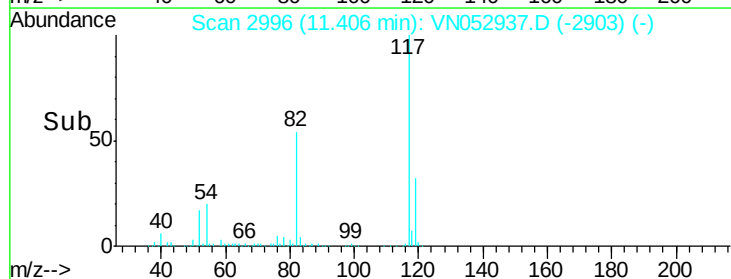
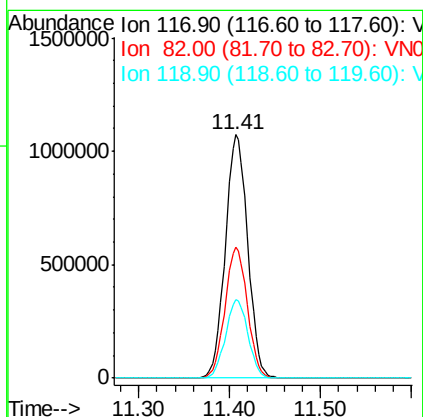
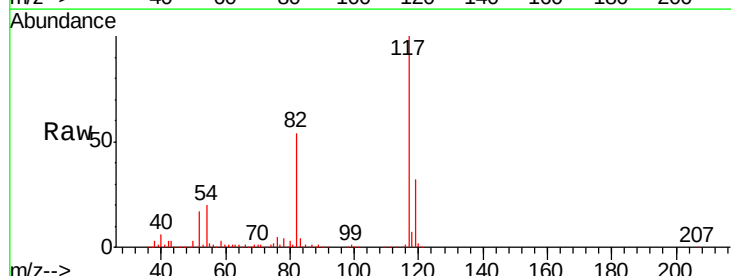
RT: 11.41 min Scan# 2996

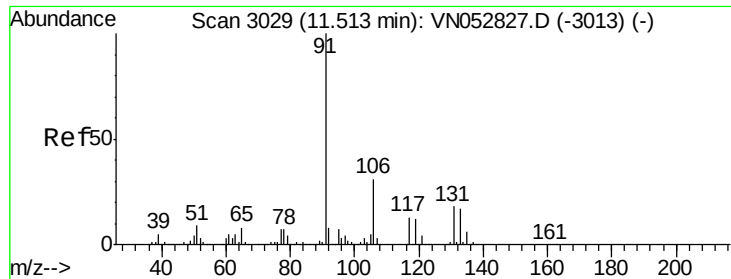
Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Tgt Ion:	117	Resp:	1826465
Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.8	64.2
119	32.4	25.5	38.3





#67

Ethyl Benzene

Concen: 16.653 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

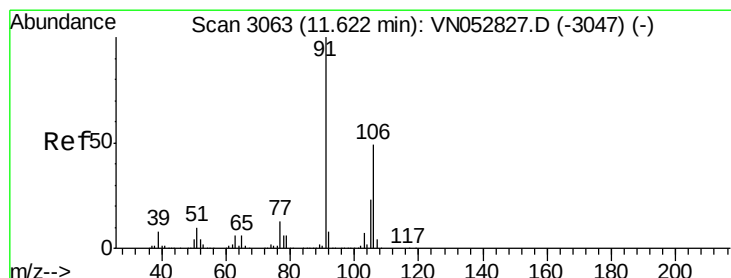
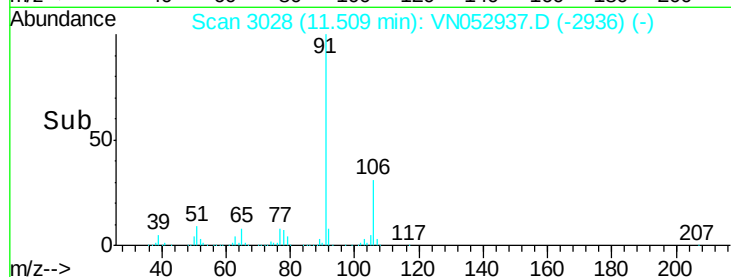
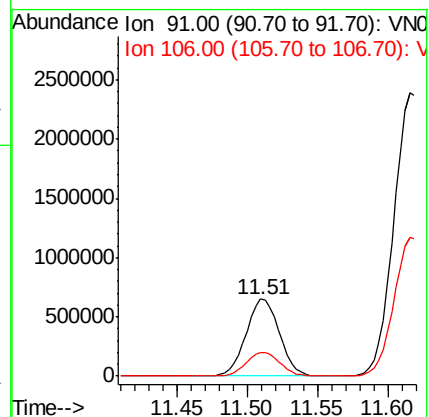
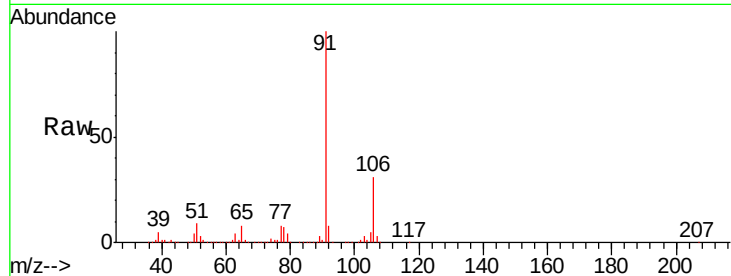
ClientSampled :
23723

Tgt Ion: 91 Resp: 1083636

Ion Ratio Lower Upper

91 100

106 30.8 24.9 37.3



#68

m/p-Xylenes

Concen: 87.949 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN052937.D

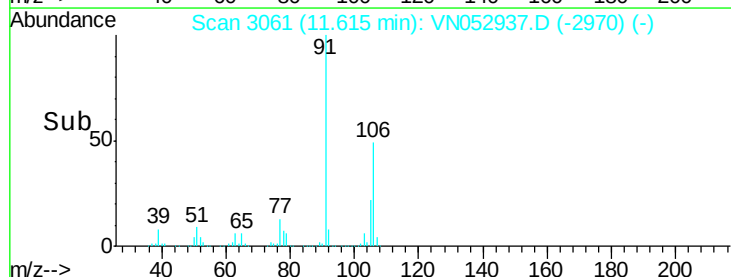
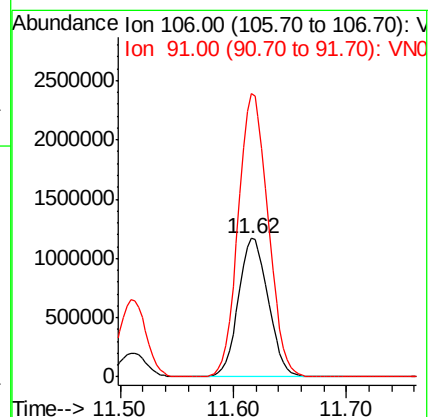
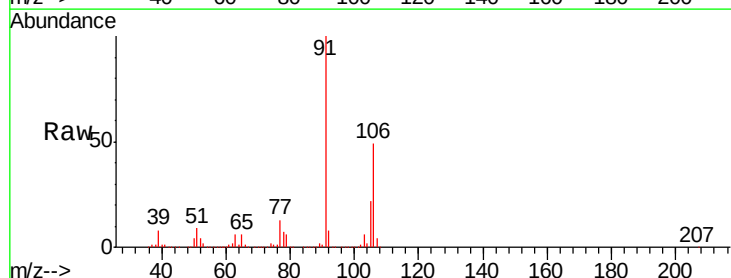
Acq: 17 Dec 2018 19:38

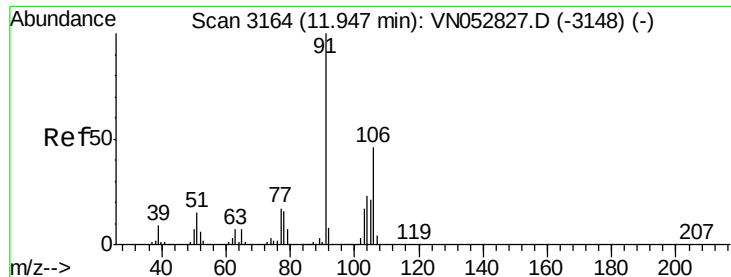
Tgt Ion: 106 Resp: 2148986

Ion Ratio Lower Upper

106 100

91 204.3 162.2 243.4

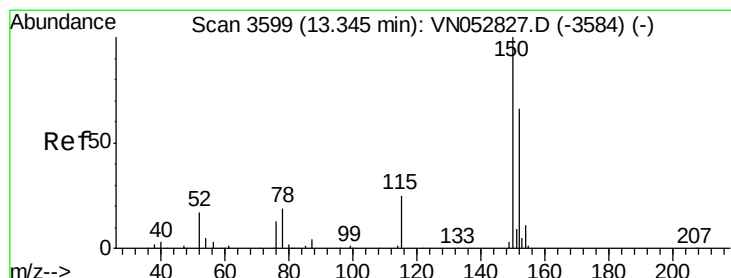
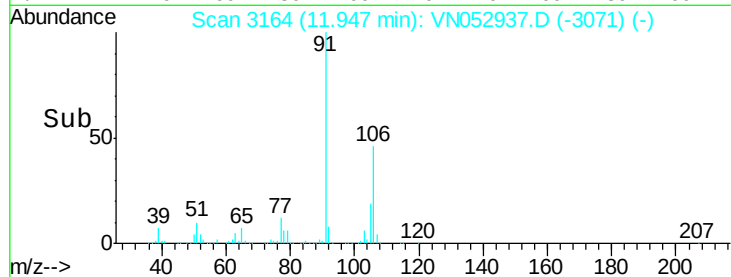
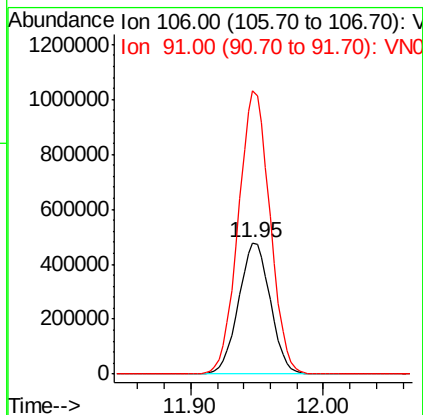
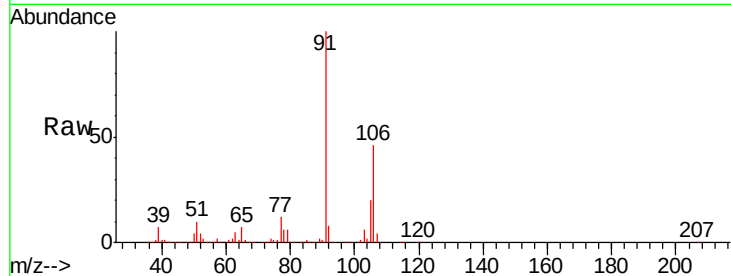




#69
o-Xylene
Concen: 33.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

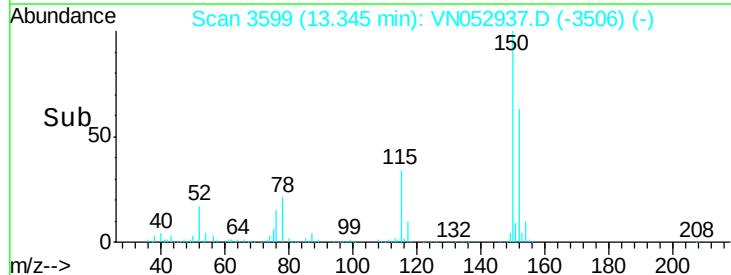
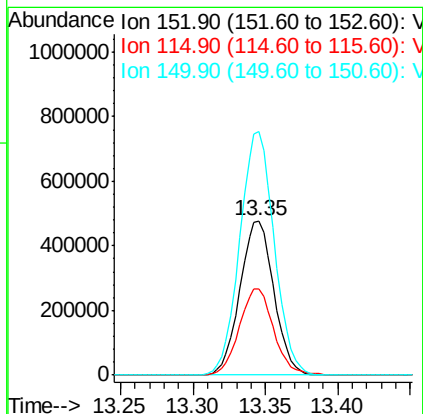
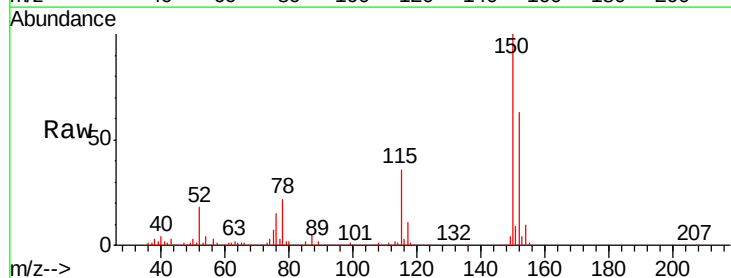
Instrument :
MSVOA_N
ClientSampleId :
23723

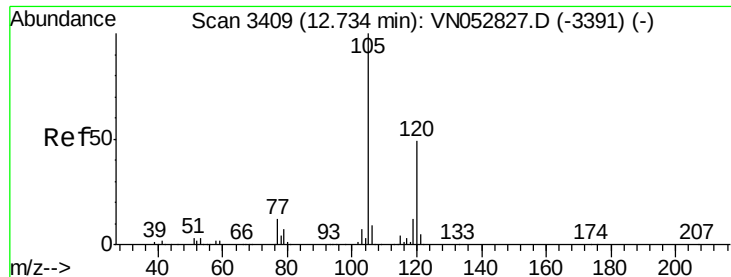
Tgt Ion:106 Resp: 793463
Ion Ratio Lower Upper
106 100
91 215.1 106.6 319.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion:152 Resp: 776827
Ion Ratio Lower Upper
152 100
115 57.0 28.3 85.0
150 160.5 0.0 347.8

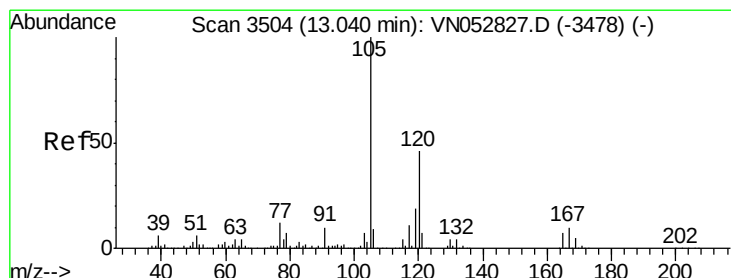
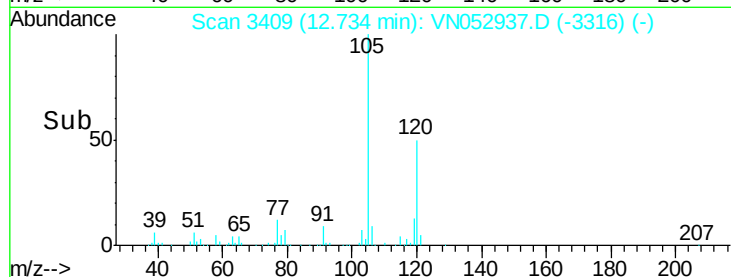
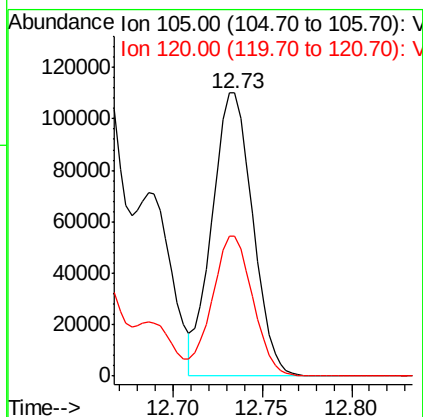
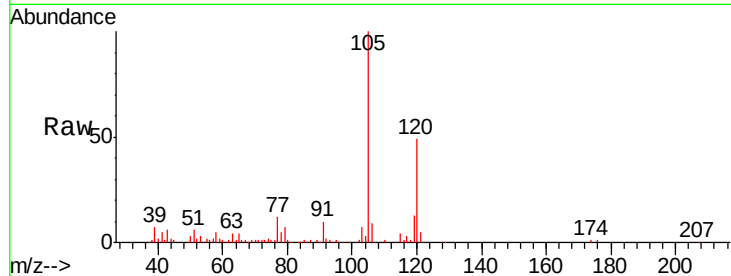




#80
 1,3,5-Trimethylbenzene
 Concen: 3.714 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

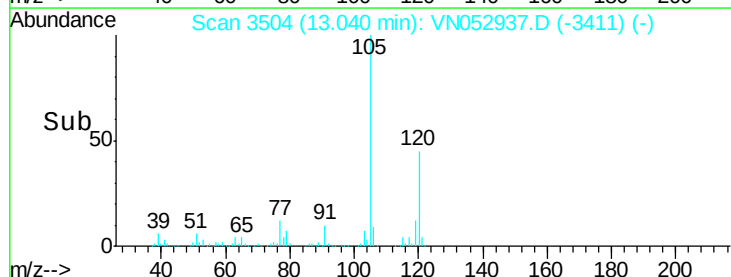
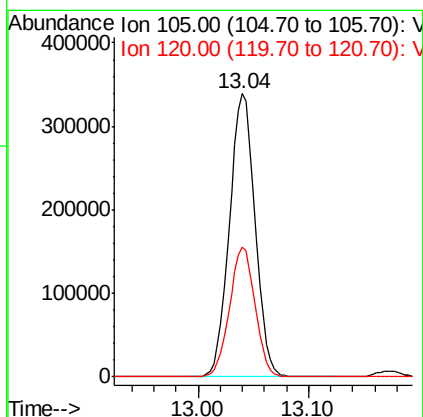
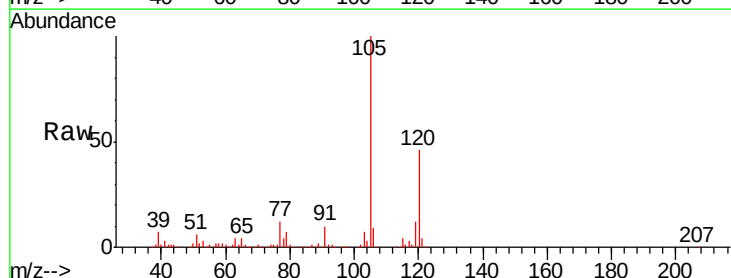
Instrument :
 MSVOA_N
 ClientSampled :
 23723

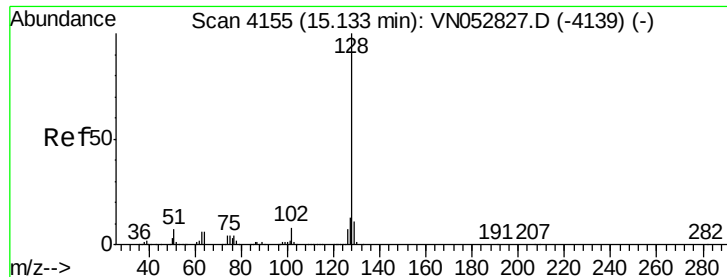
Tgt Ion:105 Resp: 173882
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 11.538 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Tgt Ion:105 Resp: 546908
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8





#95

Naphthalene

Concen: 7.492 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

23723

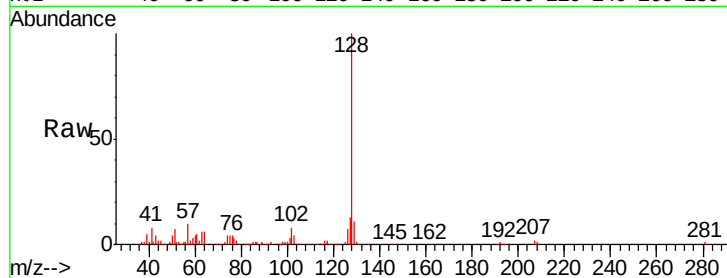
Tgt Ion:128 Resp: 212699

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.9 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

