

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052922.D
 Acq On : 17 Dec 2018 12:57
 Operator : MD\SY
 Sample : J6437-05 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23723

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:09 PM

Quant Time: Dec 18 05:44:54 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	1250950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1918430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1758286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	790437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	628445	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
35) Dibromofluoromethane	7.59	113	484563	45.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.50%	
50) Toluene-d8	10.09	98	2379277	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	831029	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.78	59	12970m	17.451	ug/l	
16) Acetone	3.82	43	149679	50.104	ug/l	98
18) Methyl Acetate	4.33	43	26374	2.406	ug/l	100
25) 2-Butanone	6.84	43	31667	6.832	ug/l	97
40) Benzene	8.05	78	60675	1.144	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	15412	1.545	ug/l	93
52) Toluene	10.16	92	420619	13.098	ug/l	99
67) Ethyl Benzene	11.51	91	204768	3.269	ug/l	98
68) m/p-Xylenes	11.62	106	411252	17.484	ug/l	100
69) o-Xylene	11.95	106	151950	6.615	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	107365	2.226	ug/l	98
95) Naphthalene	15.13	128	43366	1.501	ug/l	99

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

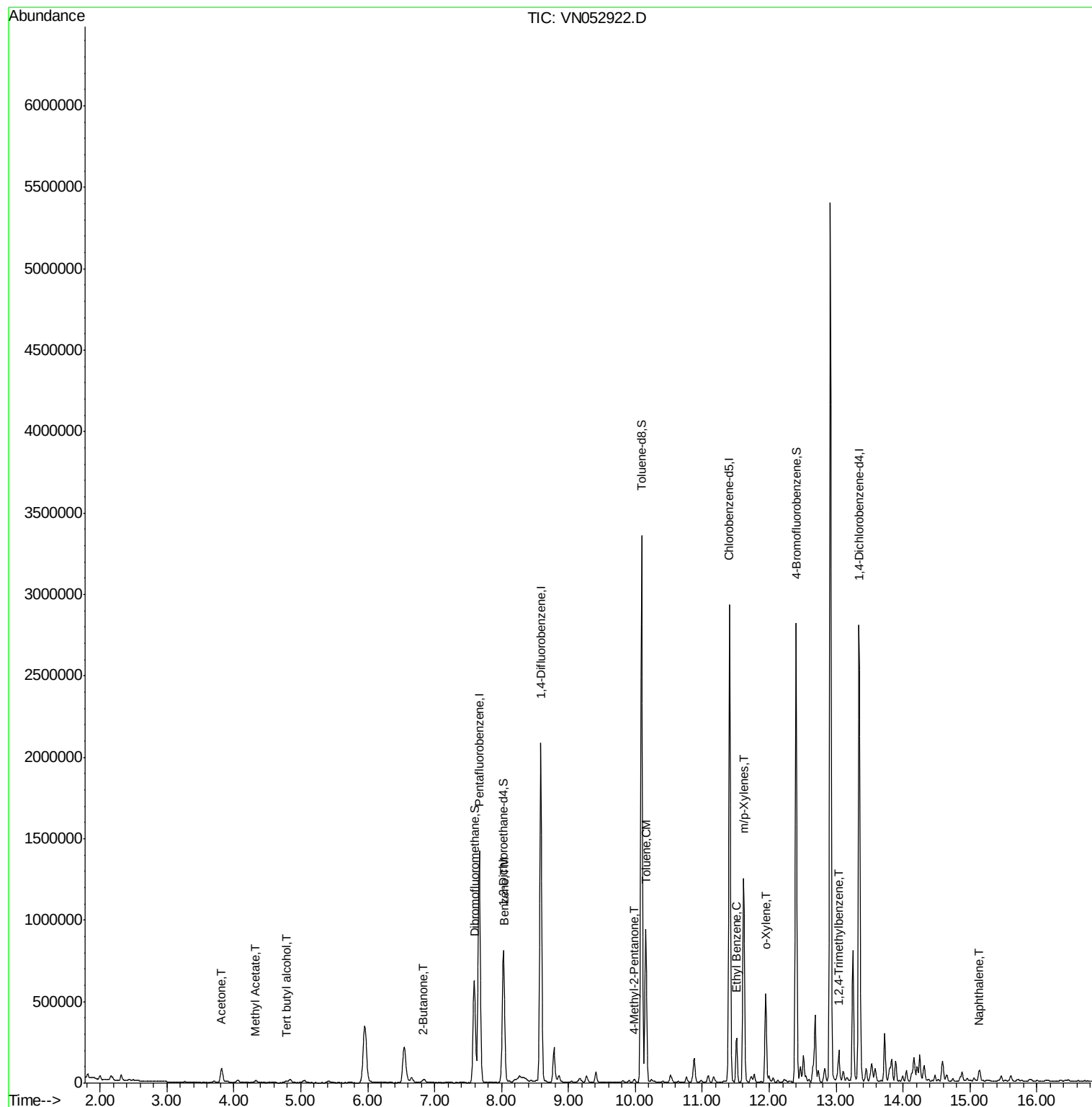
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
Data File : VN052922.D
Acq On : 17 Dec 2018 12:57
Operator : MD\SY
Sample : J6437-05 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

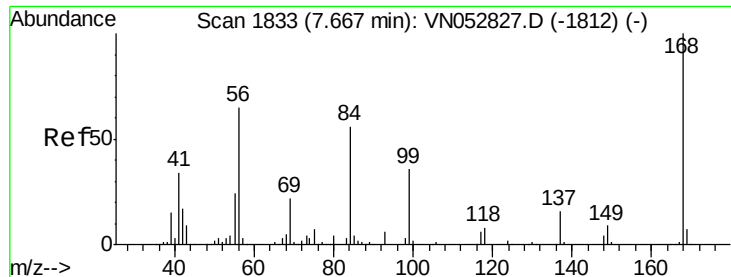
Instrument :
MSVOA_N
ClientSampleId :
23723

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12/18/2018 1:33:09 PM

Quant Time: Dec 18 05:44:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
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: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :
23723

Tgt Ion:168 Resp: 1250950

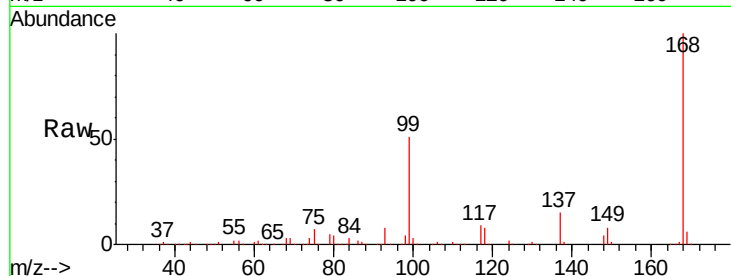
Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

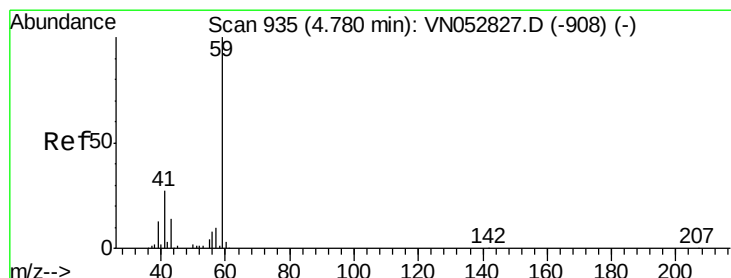
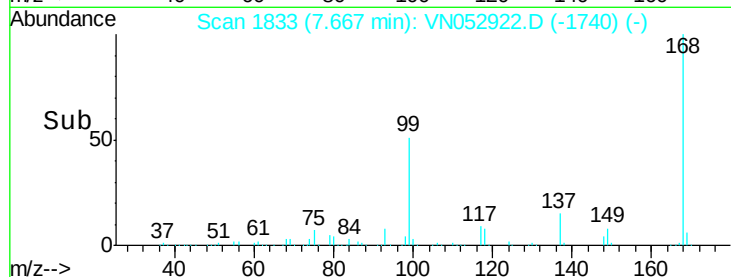
7.67

7.60

7.70

7.80

Time-->



#11

Tert butyl alcohol

Concen: 17.451 ug/l m

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN052922.D

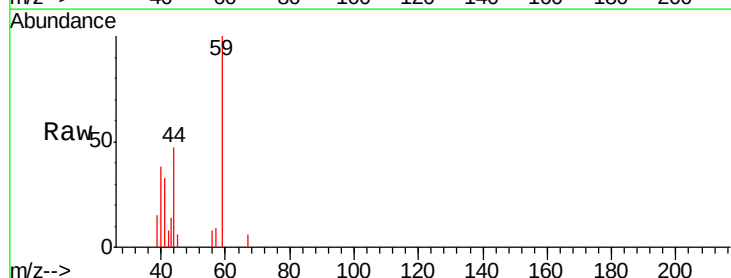
Acq: 17 Dec 2018 12:57

Tgt Ion: 59 Resp: 12970

Ion Ratio Lower Upper

59 100

57 7.7 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

3000

2000

1000

0

4.78

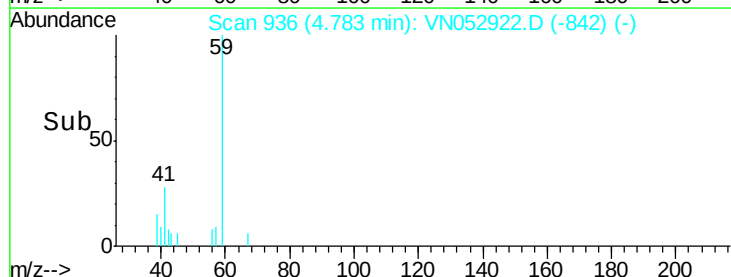
4.60

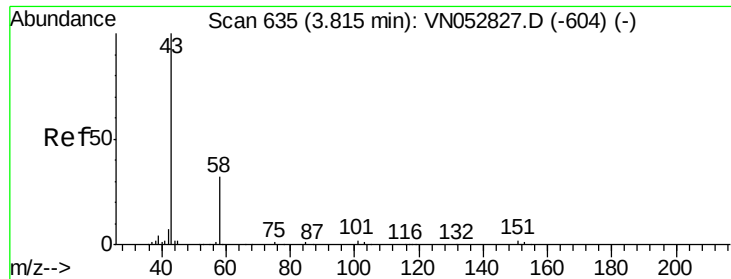
4.70

4.80

4.90

Time-->





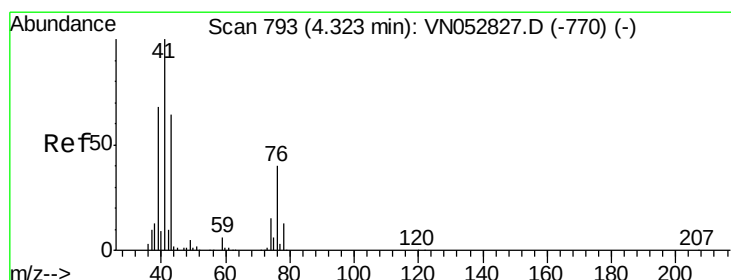
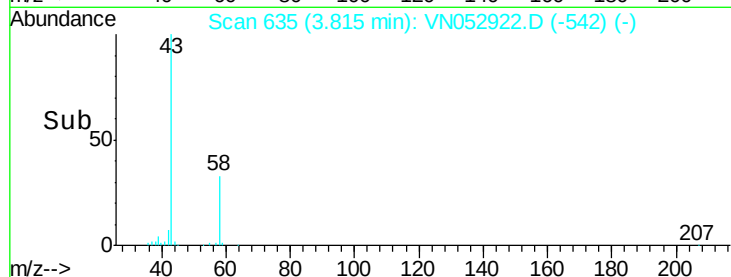
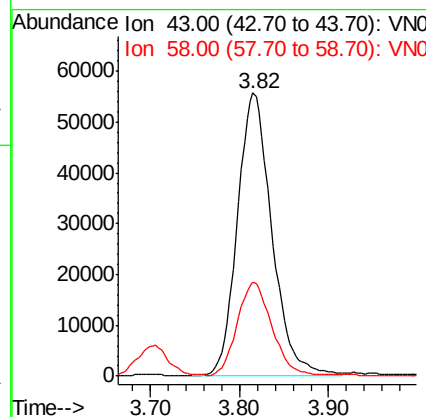
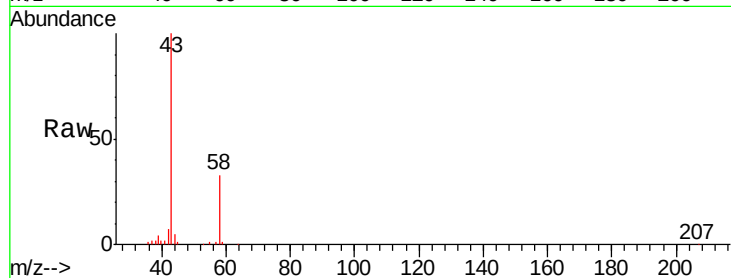
#16
Acetone
Concen: 50.104 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
23723

Tgt Ion: 43 Resp: 149679
Ion Ratio Lower Upper
43 100
58 32.6 25.4 38.0

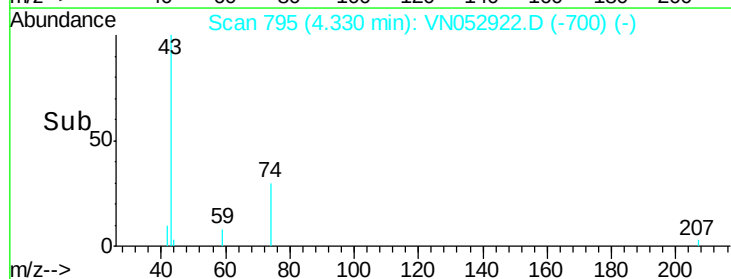
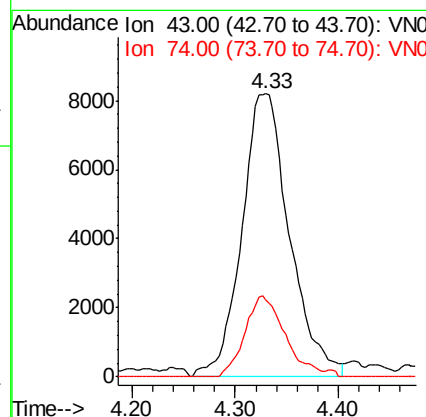
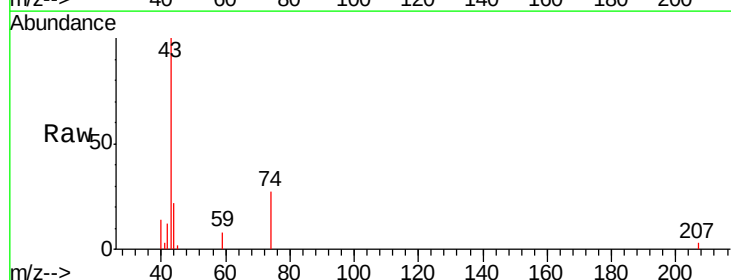
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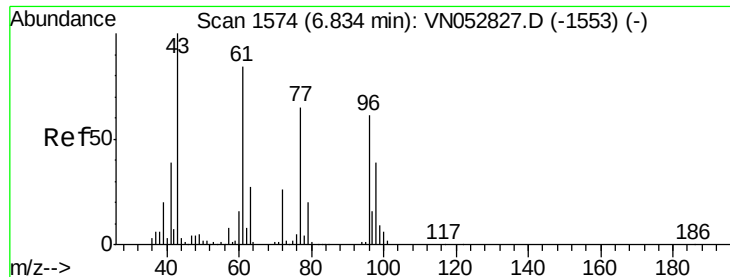
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#18
Methyl Acetate
Concen: 2.406 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 43 Resp: 26374
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





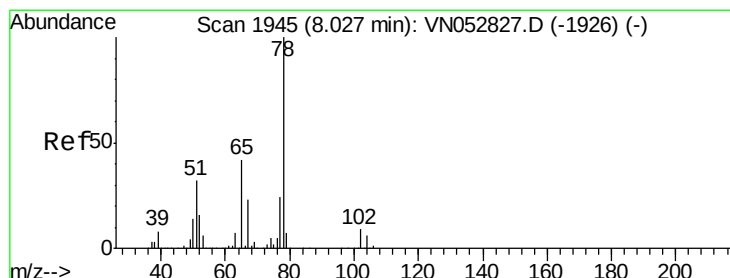
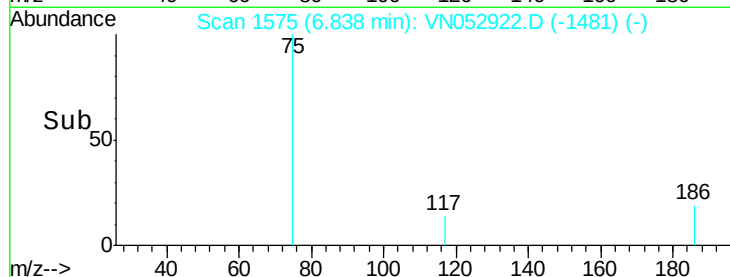
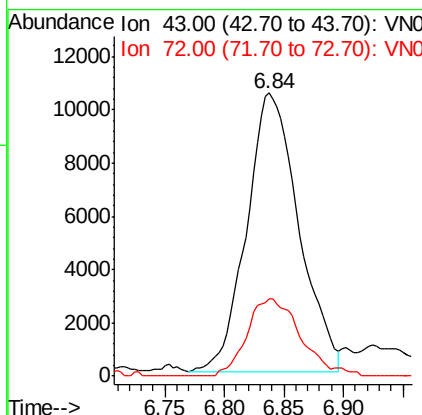
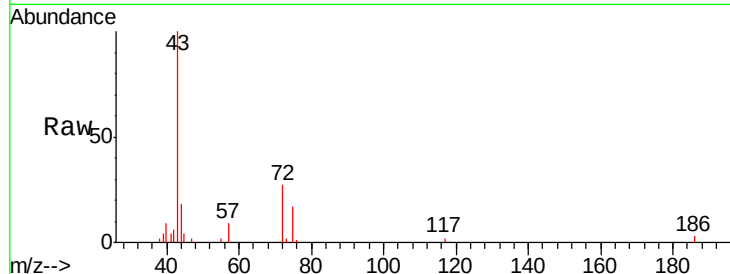
#25
2-Butanone
Concen: 6.832 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
23723

Tgt Ion: 43 Resp: 31667
Ion Ratio Lower Upper
43 100
72 28.0 21.0 31.6

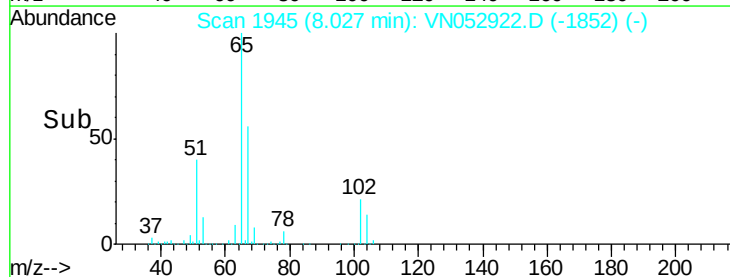
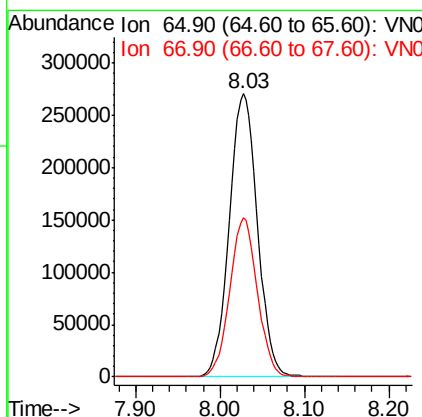
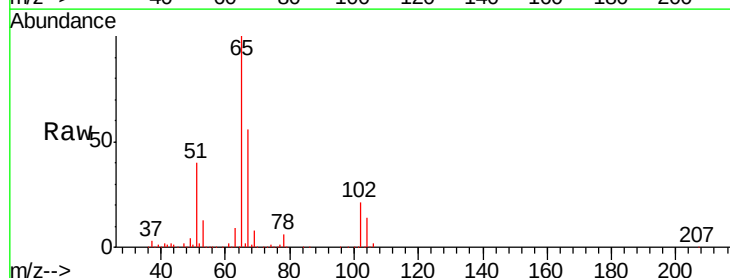
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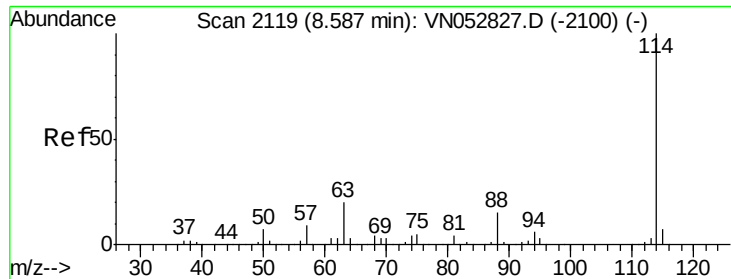
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#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 65 Resp: 628445
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4





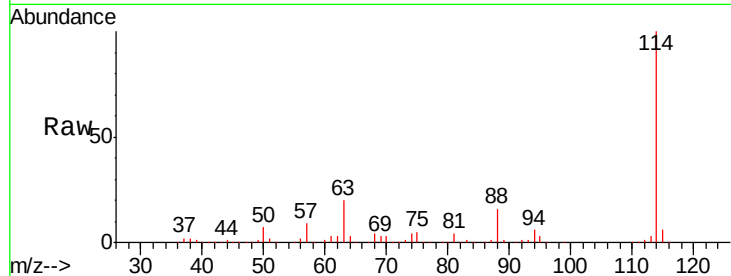
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
23723

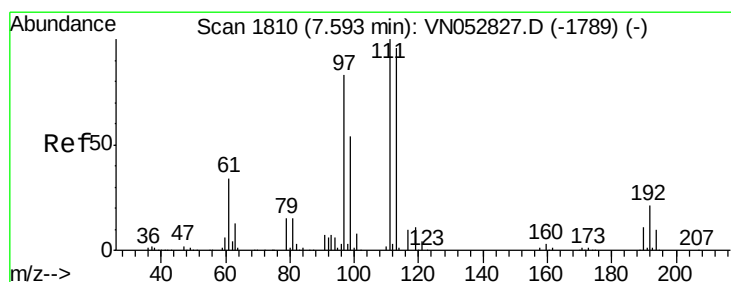
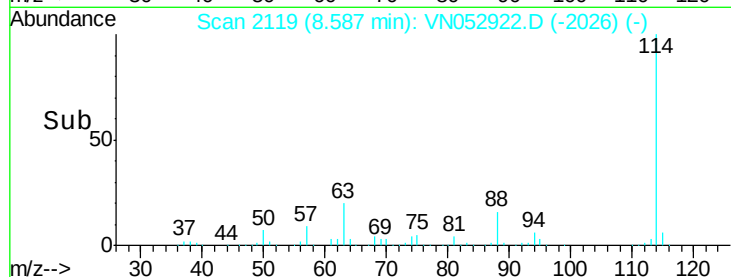
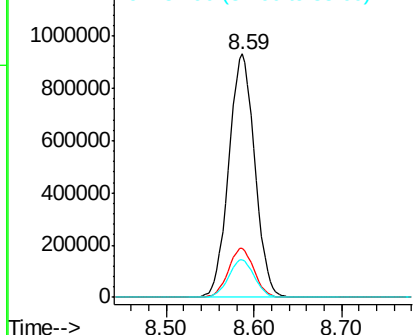
Tgt Ion:114 Resp: 1918430
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 15.6 0.0 31.0

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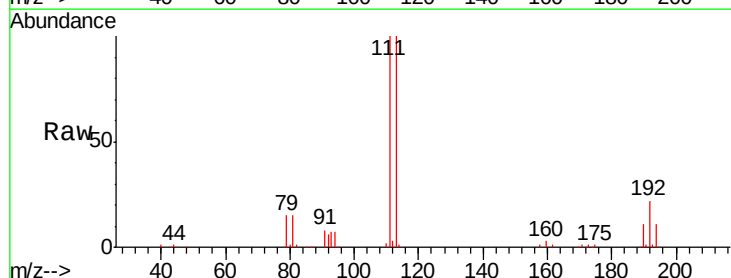


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

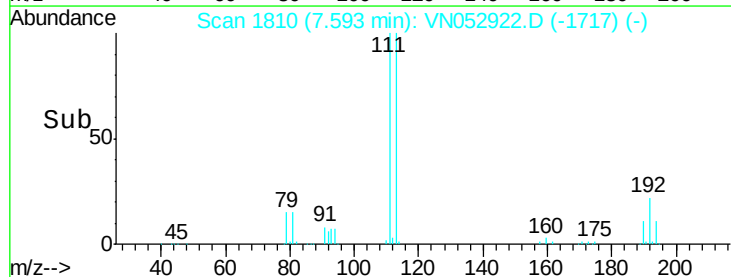
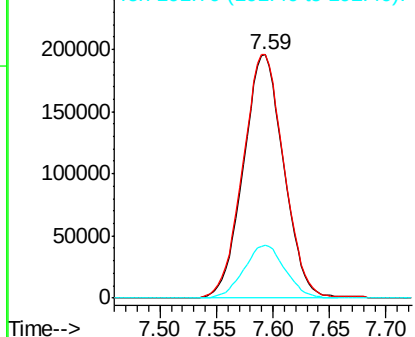


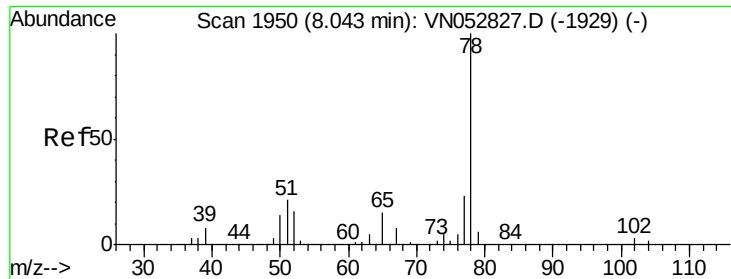
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion:113 Resp: 484563
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 22.2 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: 1.144 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :
23723

Tgt Ion: 78 Resp: 60675

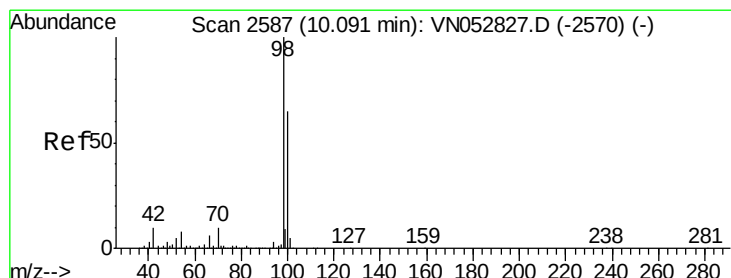
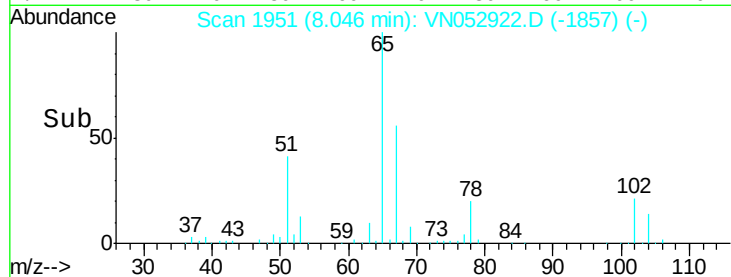
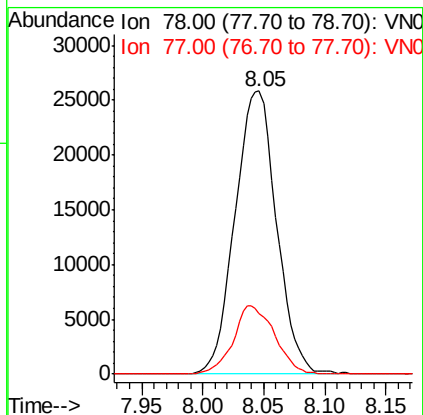
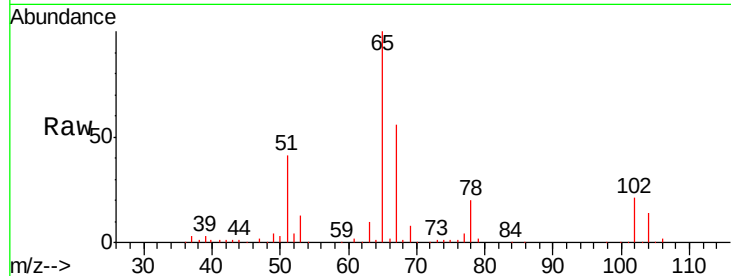
Ion Ratio Lower Upper

78 100

77 21.6 18.5 27.7

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#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052922.D

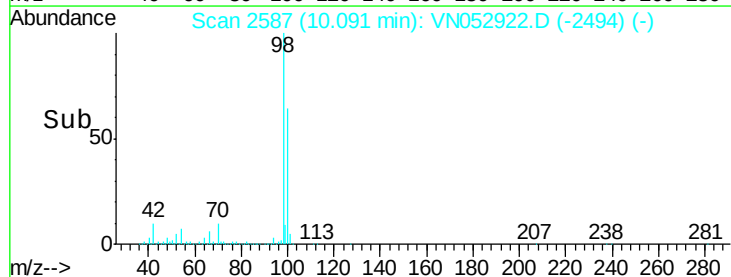
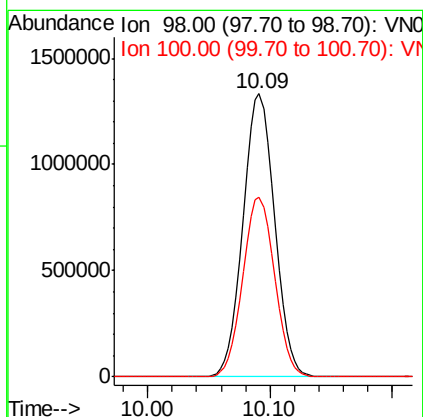
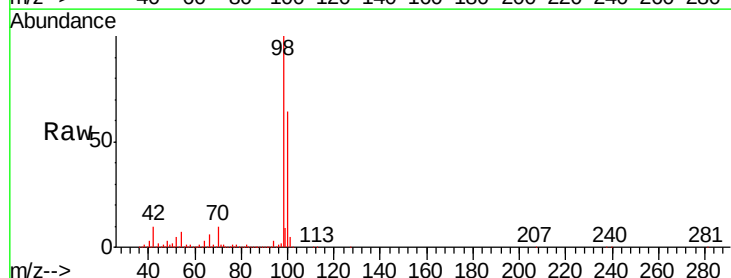
Acq: 17 Dec 2018 12:57

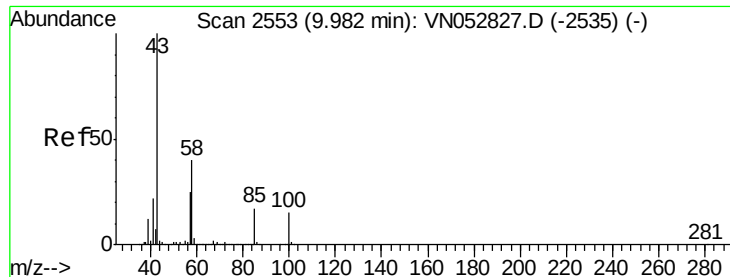
Tgt Ion: 98 Resp: 2379277

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4





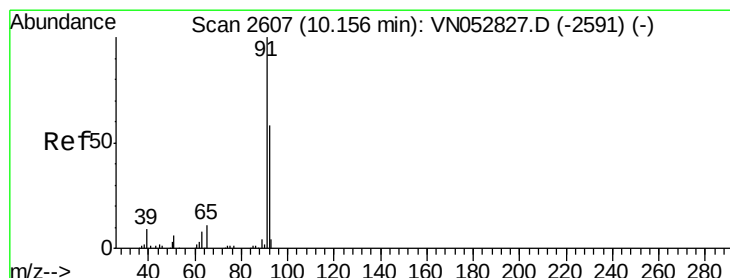
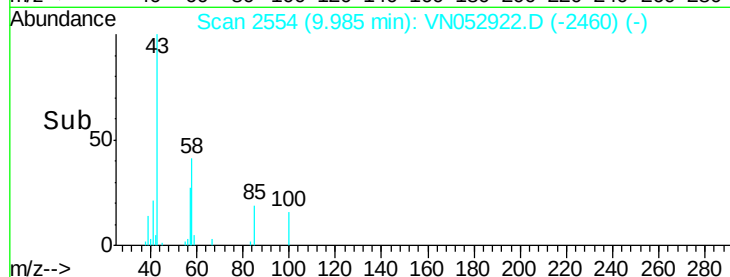
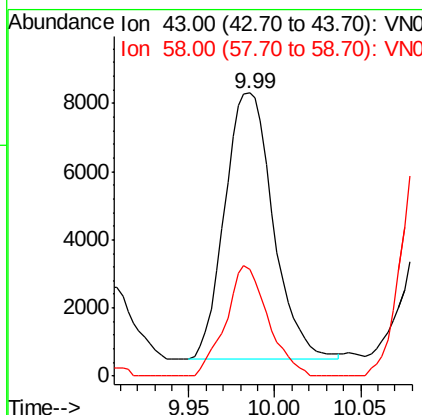
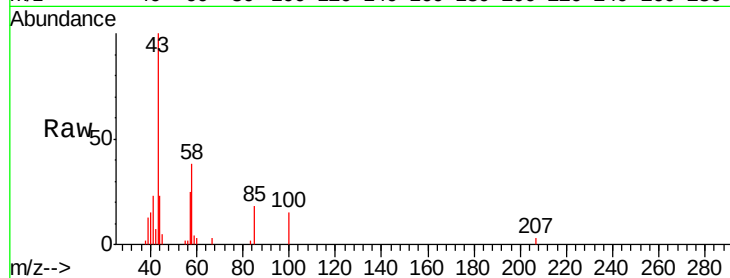
#51
4-Methyl-2-Pentanone
Concen: 1.545 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
23723

Tgt Ion: 43 Resp: 15412
Ion Ratio Lower Upper
43 100
58 36.0 32.2 48.4

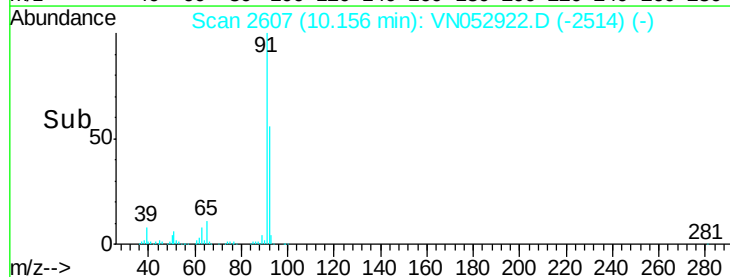
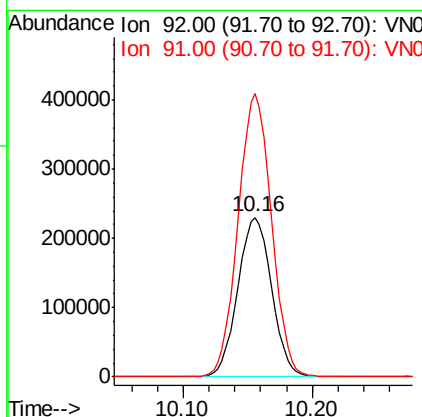
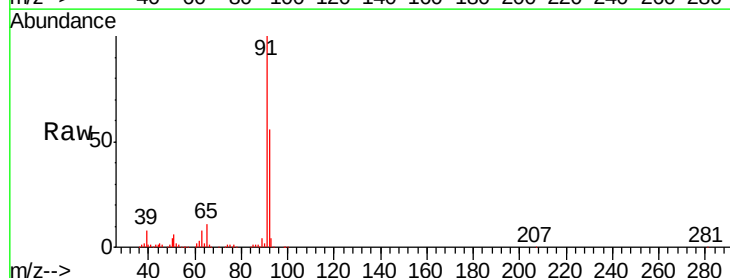
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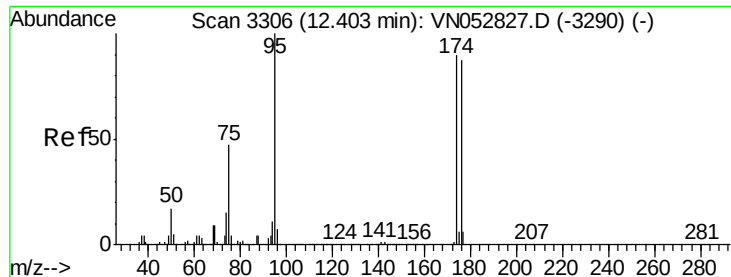
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#52
Toluene
Concen: 13.098 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 92 Resp: 420619
Ion Ratio Lower Upper
92 100
91 175.6 139.8 209.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

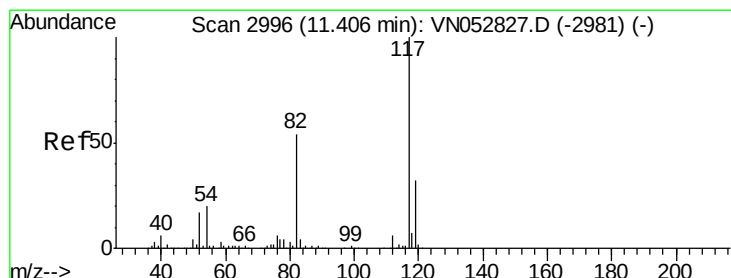
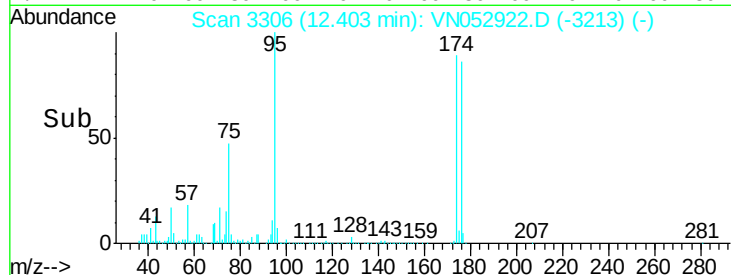
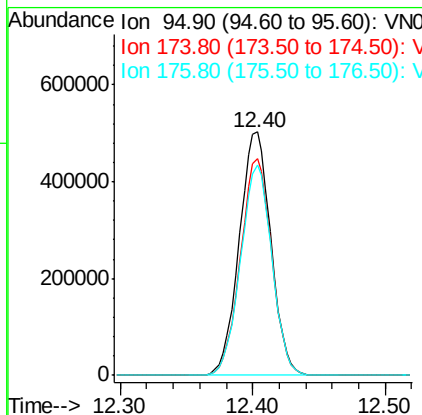
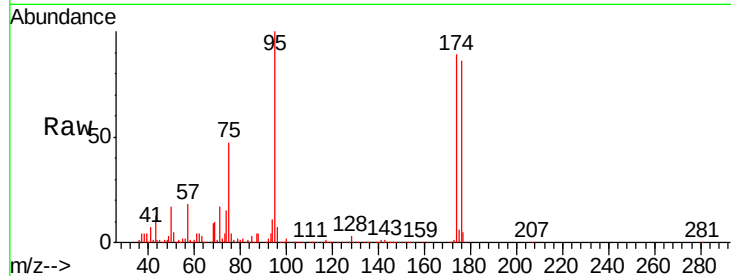
MSVOA_N

ClientSampleId :
23723

Tgt Ion:	95	Resp:	831029
Ion Ratio	Lower	Upper	
95	100		
174	88.0	0.0	178.8
176	85.5	0.0	173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

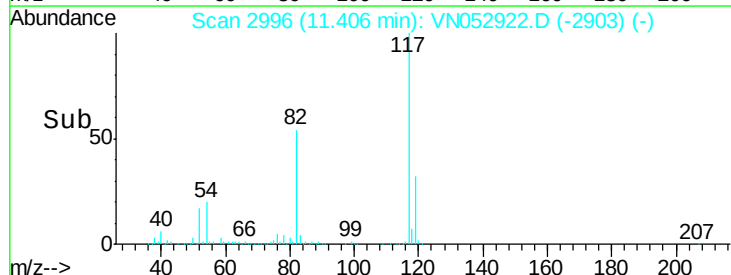
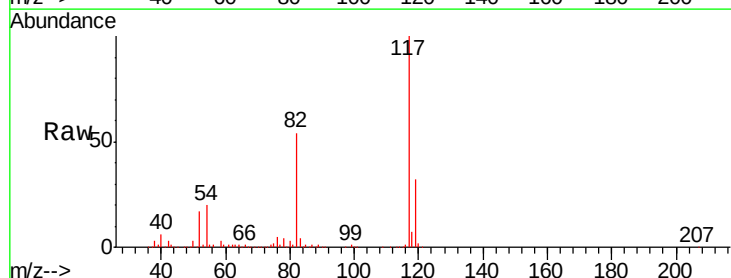
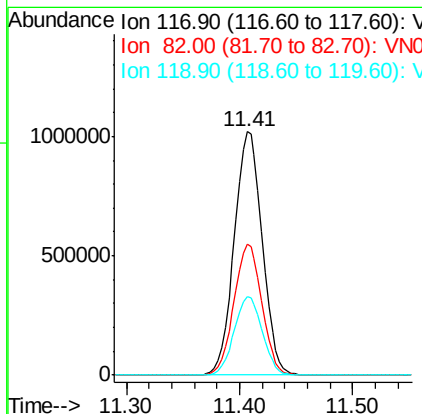
RT: 11.41 min Scan# 2996

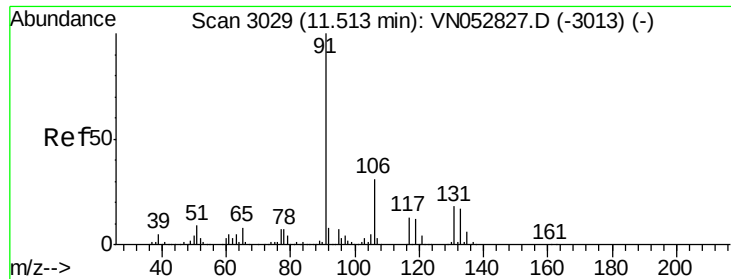
Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	117	Resp:	1758286
Ion Ratio	Lower	Upper	
117	100		
82	53.5	42.8	64.2
119	32.2	25.5	38.3





#67

Ethyl Benzene

Concen: 3.269 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :
23723

Tgt Ion: 91 Resp: 204768

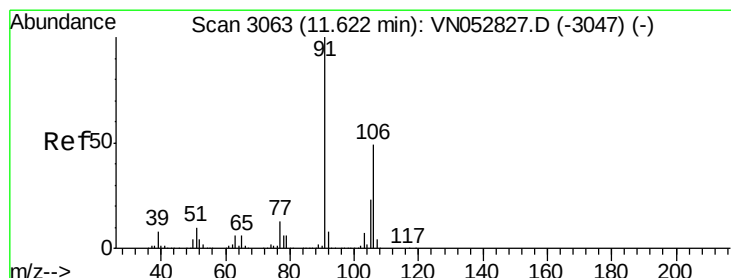
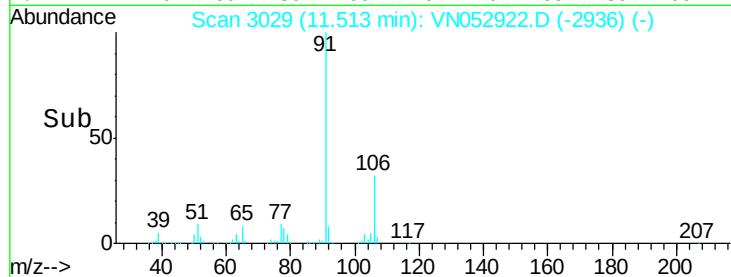
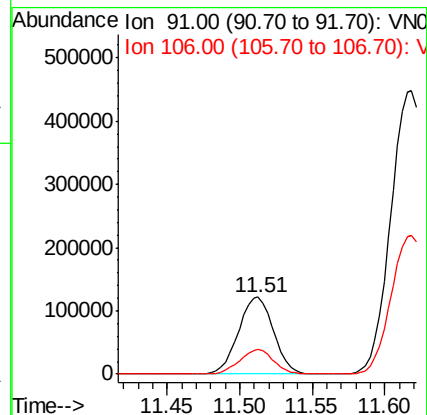
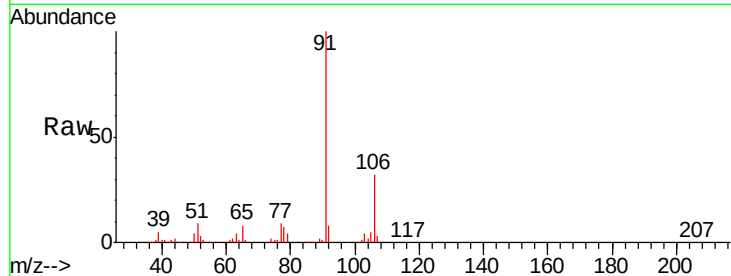
Ion Ratio Lower Upper

91 100

106 32.1 24.9 37.3

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#68

m/p-Xylenes

Concen: 17.484 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052922.D

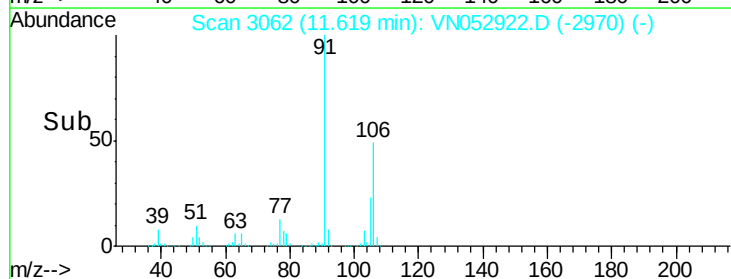
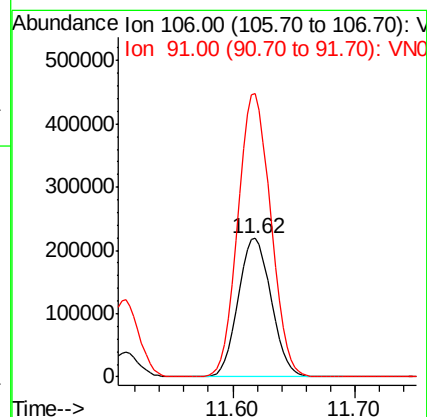
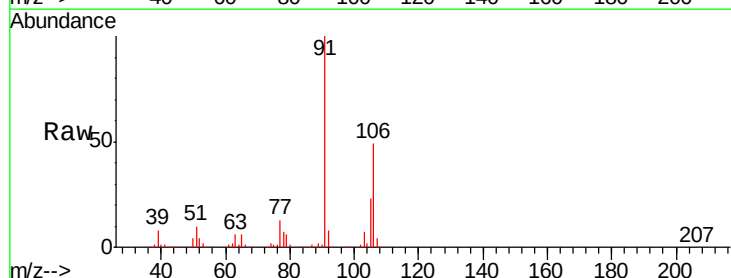
Acq: 17 Dec 2018 12:57

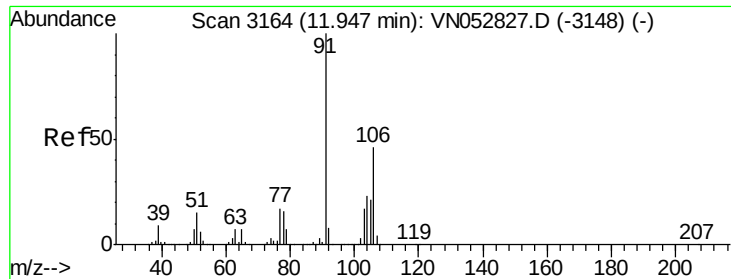
Tgt Ion: 106 Resp: 411252

Ion Ratio Lower Upper

106 100

91 203.1 162.2 243.4





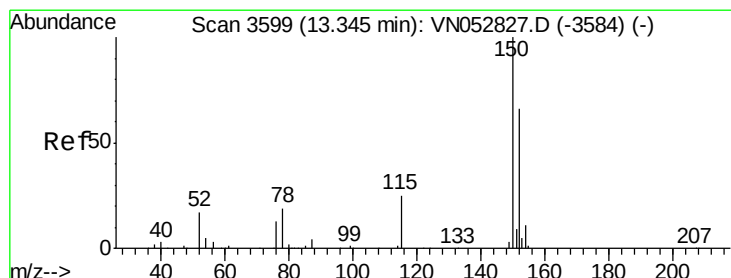
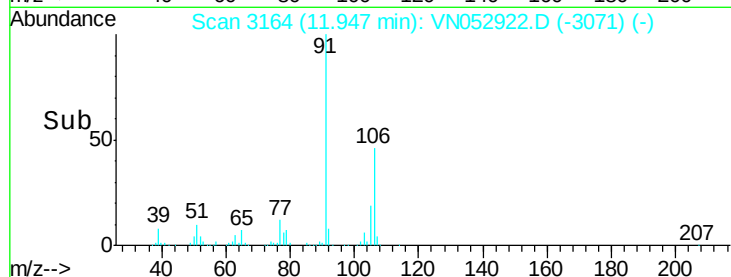
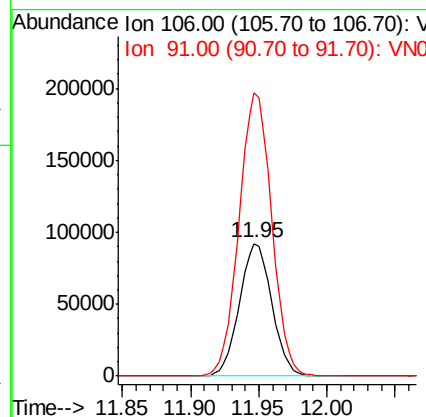
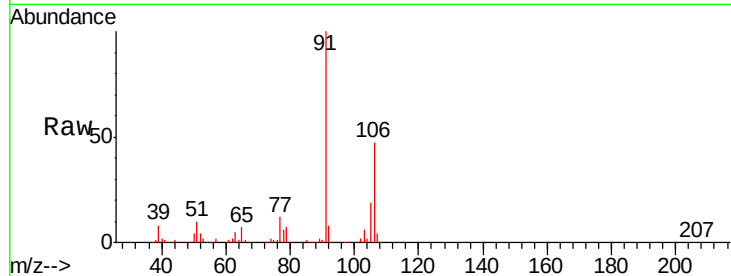
#69
o-Xylene
Concen: 6.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
23723

Tgt Ion:106 Resp: 151950
Ion Ratio Lower Upper
106 100
91 215.8 106.6 319.8

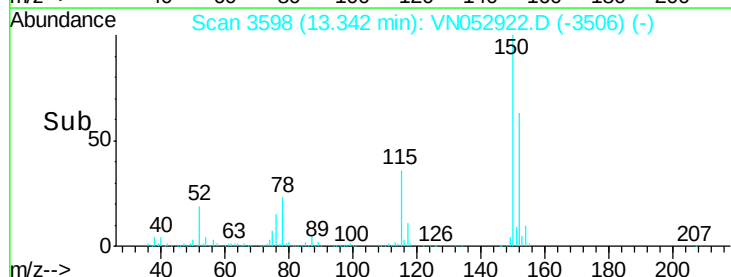
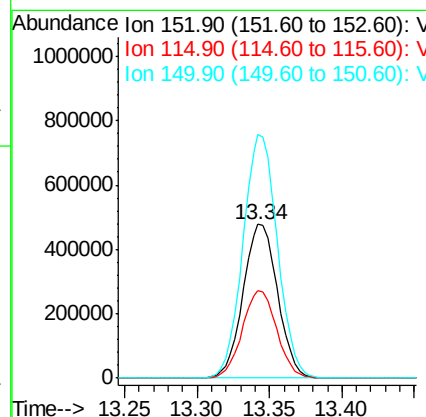
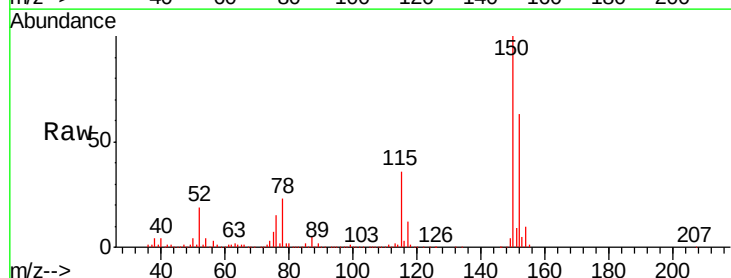
Manual Integrations
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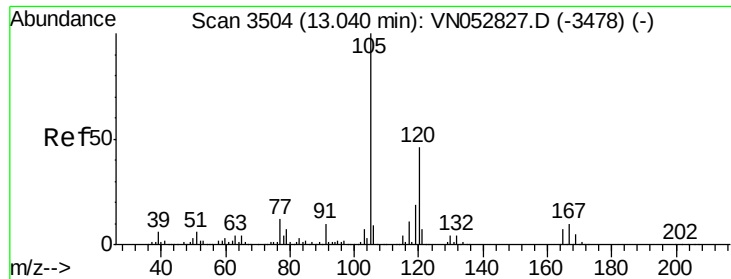
MMDadoda
12/18/2018 1:33:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion:152 Resp: 790437
Ion Ratio Lower Upper
152 100
115 57.0 28.3 85.0
150 157.8 0.0 347.8





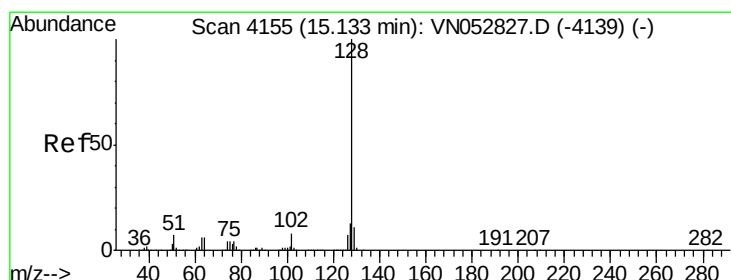
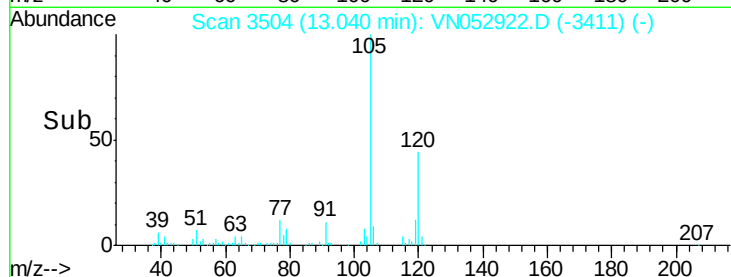
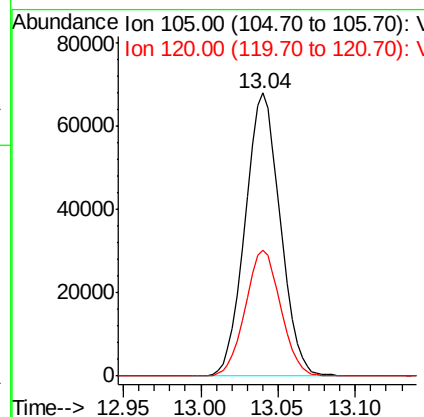
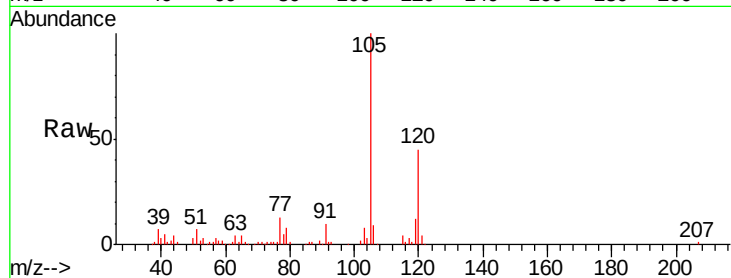
#84
 1,2,4-Trimethylbenzene
 Concen: 2.226 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 23723

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.9	68.8

Manual Integrations
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MMDadoda
 12/18/2018 1:33:09 PM



#95
 Naphthalene
 Concen: 1.501 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.3	8.6	13.0

