

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058013.D
 Acq On : 13 Sep 2019 13:08
 Operator : JC/SP
 Sample : K4859-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW200A-B4-091119

Manual Integrations
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 9/16/2019 2:49:51 PM

Quant Time: Sep 14 03:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	265161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	407952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	210483	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	321200	59.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.62%	
35) Dibromofluoromethane	7.58	113	226681	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.09	98	825640	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	279311	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
Target Compounds						
16) Acetone	3.80	43	24126	13.703	ug/l	94
25) 2-Butanone	6.84	43	7126m	2.796	ug/l	
30) Chloroform	7.36	83	89827	12.131	ug/l	96
40) Benzene	8.03	78	4879	0.311	ug/l #	88
44) Trichloroethene	8.83	130	1243	0.323	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	15864	2.962	ug/l	98
52) Toluene	10.15	92	7283	0.737	ug/l	98
64) Tetrachloroethene	10.63	164	15346	5.095	ug/l	95
67) Ethyl Benzene	11.51	91	7933	0.424	ug/l	96
68) m/p-Xylenes	11.62	106	4792	0.699	ug/l	96
69) o-Xylene	11.95	106	6160	0.904	ug/l	92
95) Naphthalene	15.13	128	46969	2.313	ug/l	98

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

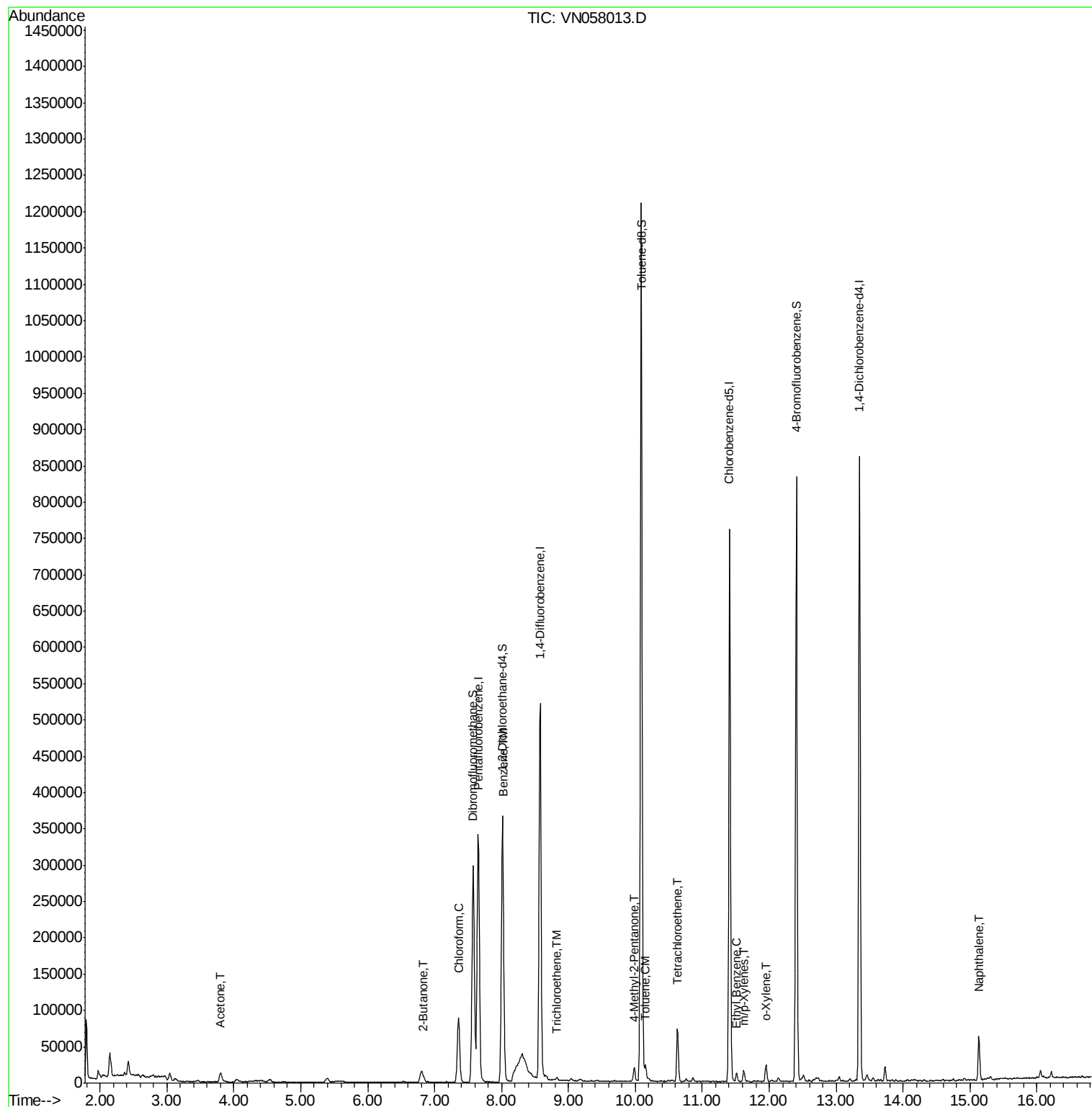
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\
Data File : VN058013.D
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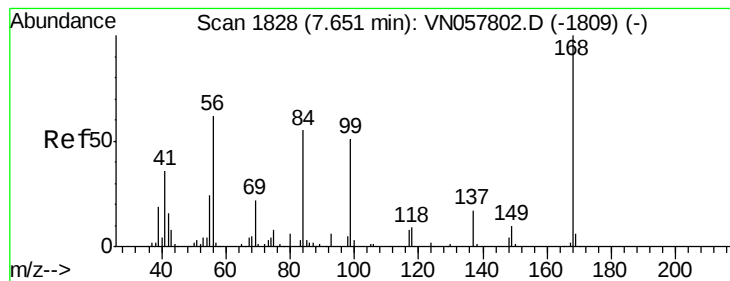
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200A-B4-091119

Manual Integrations
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9/16/2019 2:49:51 PM

Quant Time: Sep 14 03:11:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion:168 Resp: 265161

Ion Ratio Lower Upper

168 100

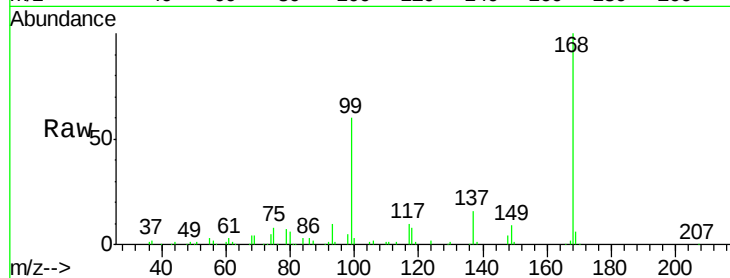
99 60.4 48.0 72.0

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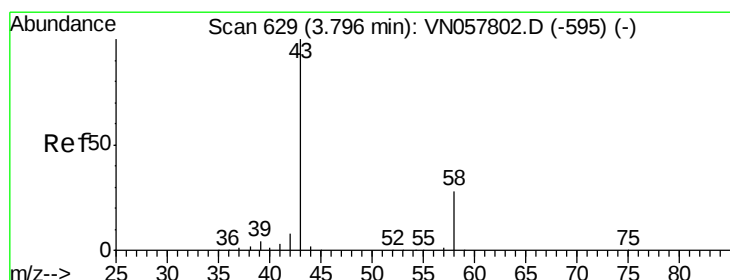
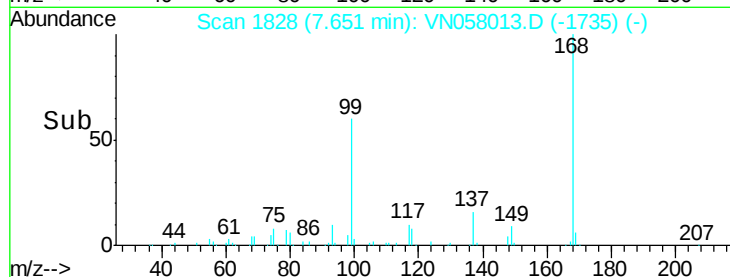
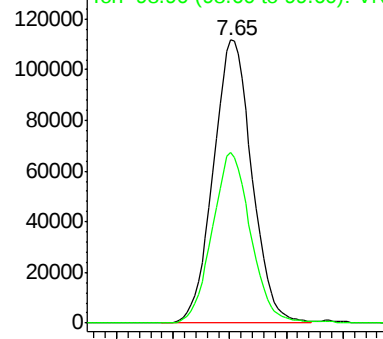
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 13.703 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058013.D

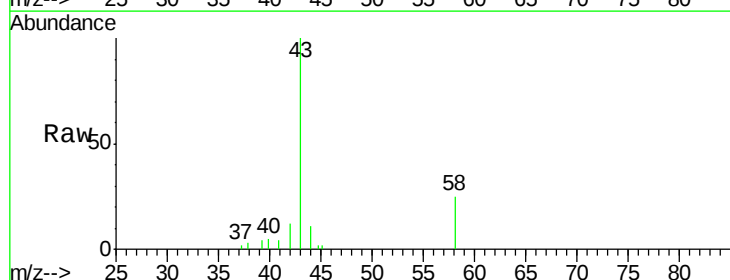
Acq: 13 Sep 2019 13:08

Tgt Ion: 43 Resp: 24126

Ion Ratio Lower Upper

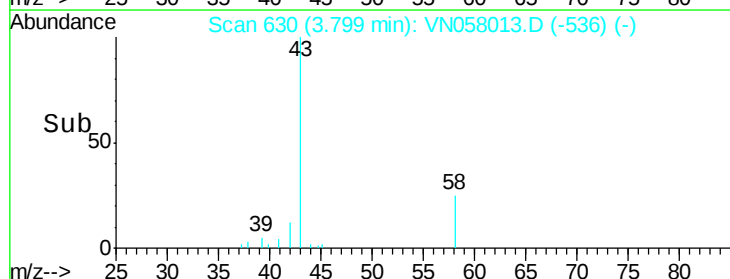
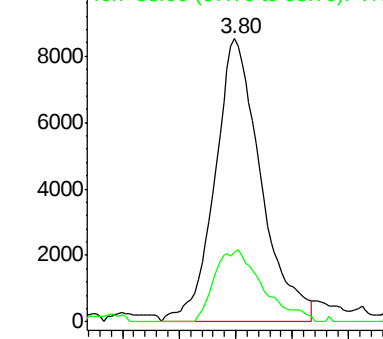
43 100

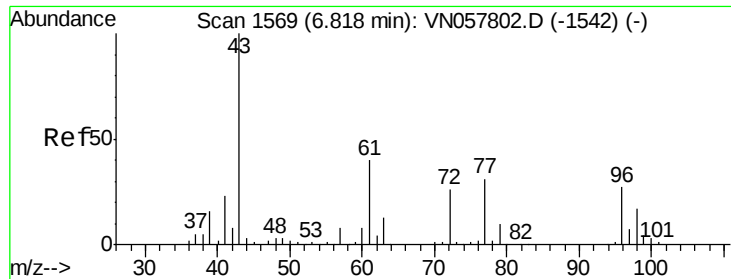
58 24.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#25

2-Butanone

Concen: 2.796 ug/l m

RT: 6.84 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion: 43 Resp: 7126

Ion Ratio Lower Upper

43 100

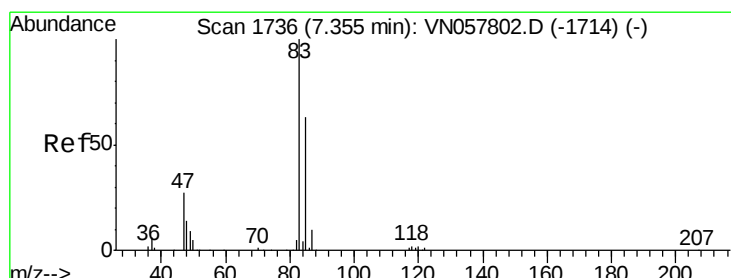
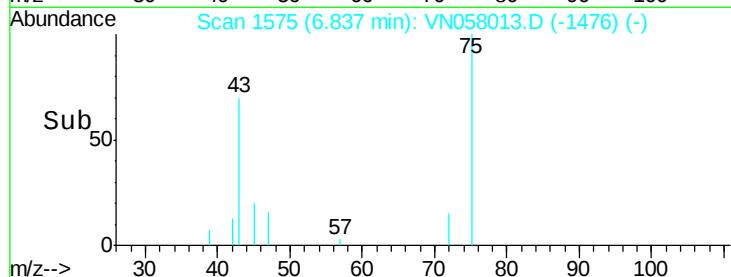
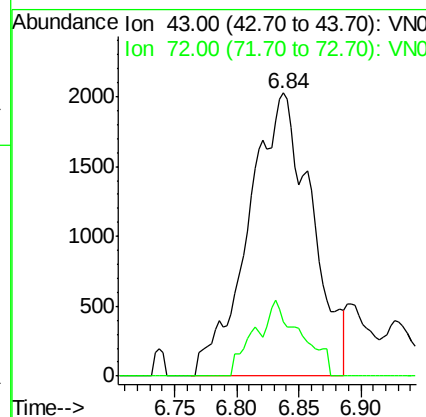
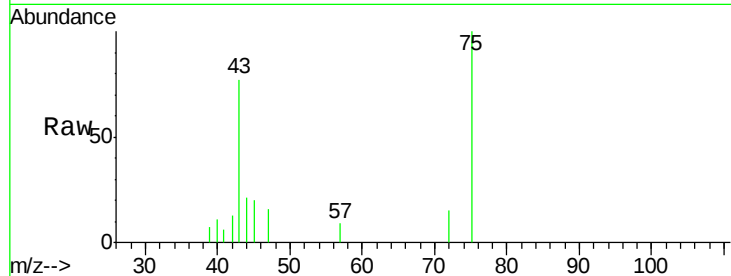
72 19.2 20.6 30.8#

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#30

Chloroform

Concen: 12.131 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058013.D

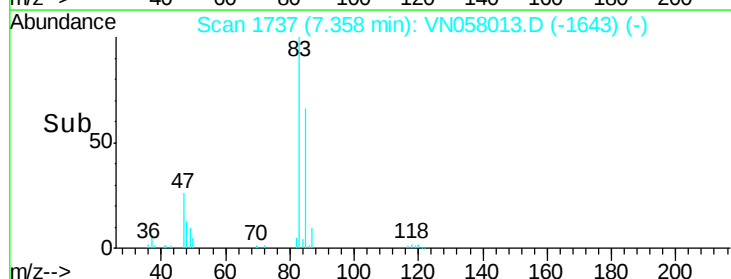
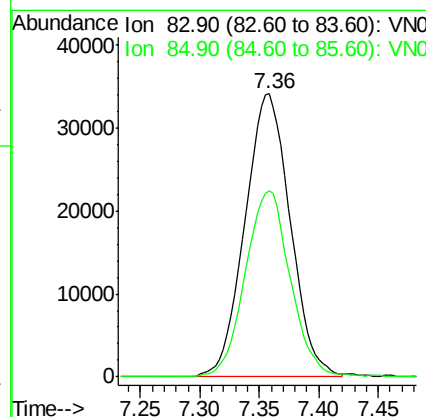
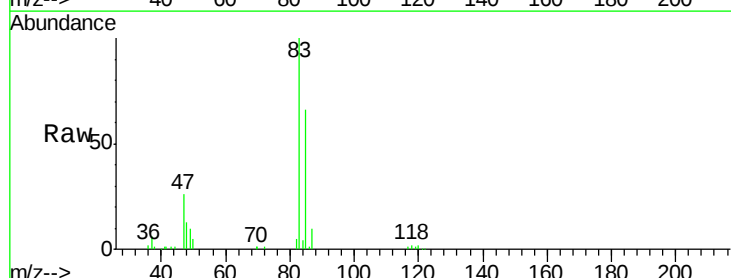
Acq: 13 Sep 2019 13:08

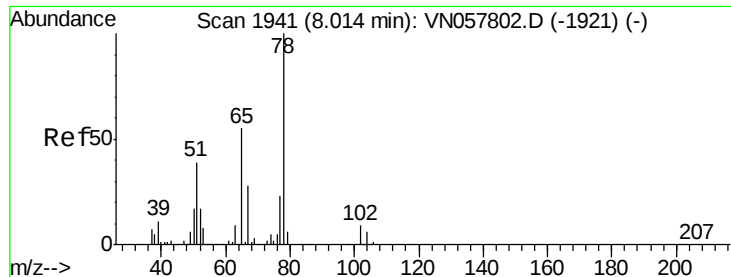
Tgt Ion: 83 Resp: 89827

Ion Ratio Lower Upper

83 100

85 66.0 50.6 75.8





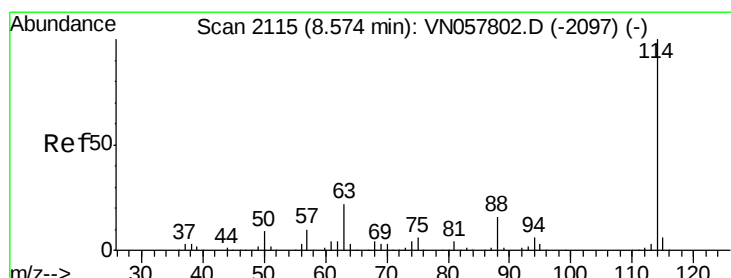
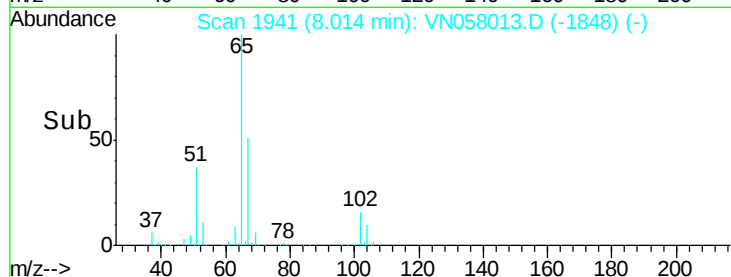
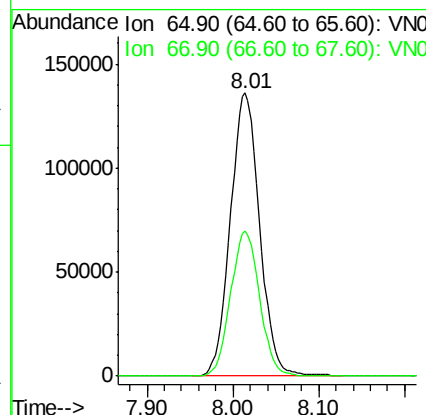
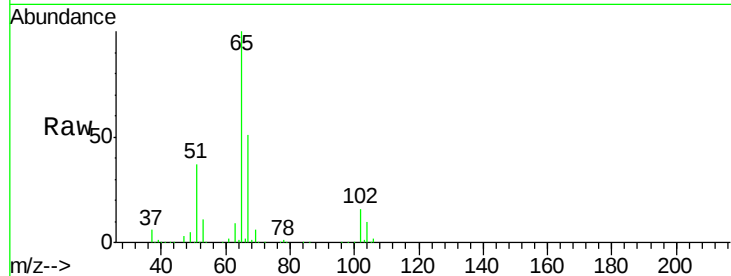
#33
 1,2-Dichloroethane-d4
 Concen: 59.807 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058013.D
 Acq: 13 Sep 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW200A-B4-091119

Tot Ion	Ratio	Resp	Lower	Upper
65	100	321200		
67	50.8	0.0	104.0	

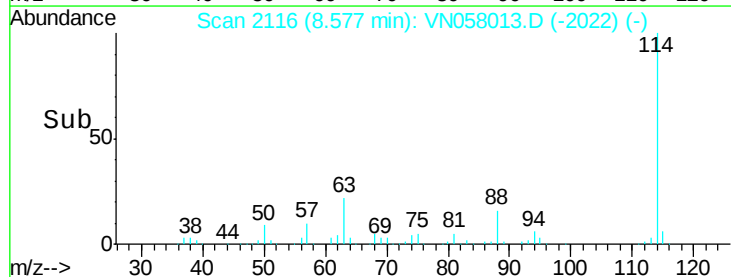
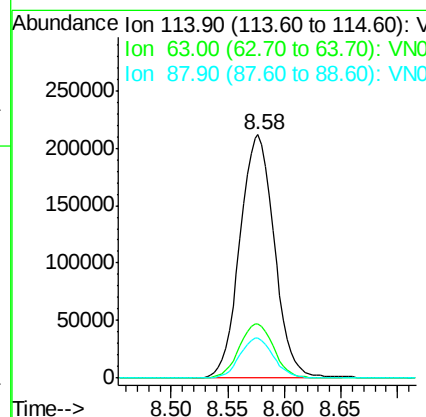
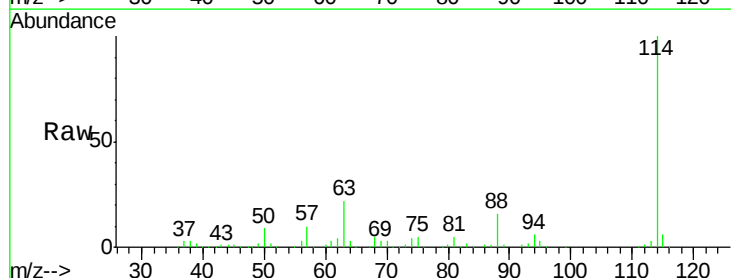
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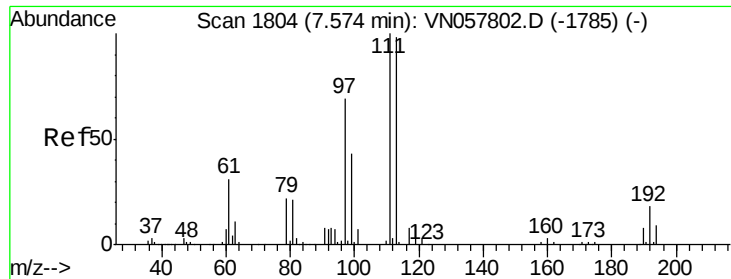
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058013.D
 Acq: 13 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449089		
63	22.2	0.0	44.0	
88	16.2	0.0	31.4	





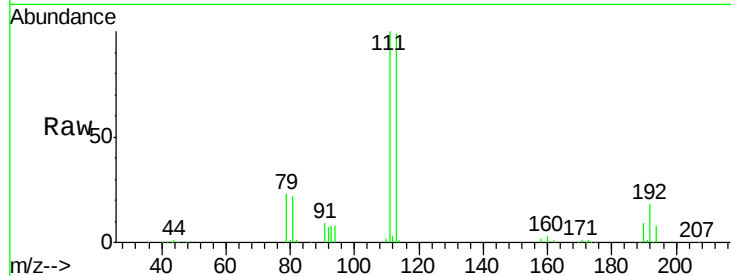
#35
Dibromofluoromethane
Concen: 54.689 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200A-B4-091119

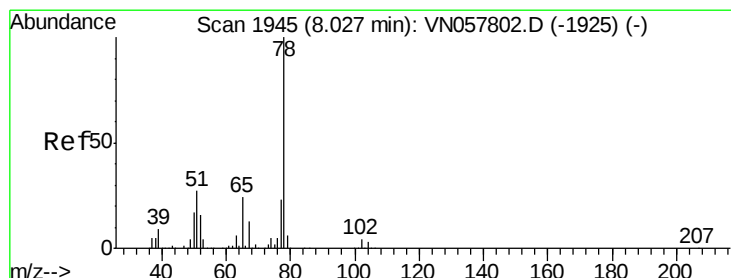
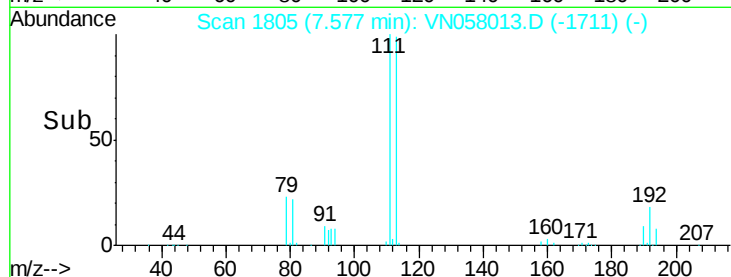
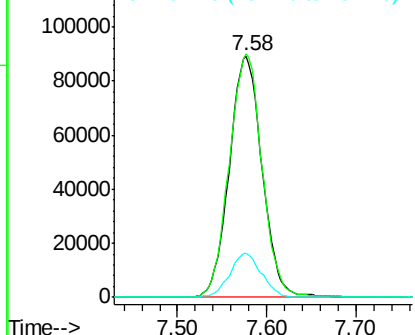
Tot Ion	Ratio	Resp	Lower	Upper
113	100	226681		
111	101.2	81.3	121.9	
192	17.7	14.6	22.0	

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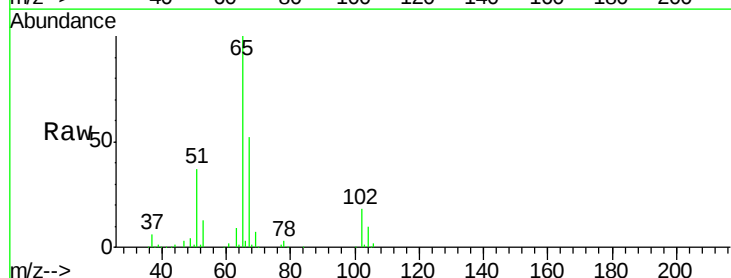


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

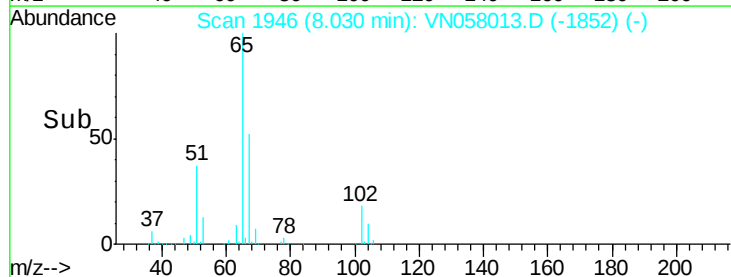
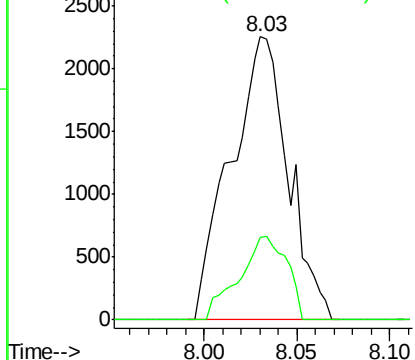


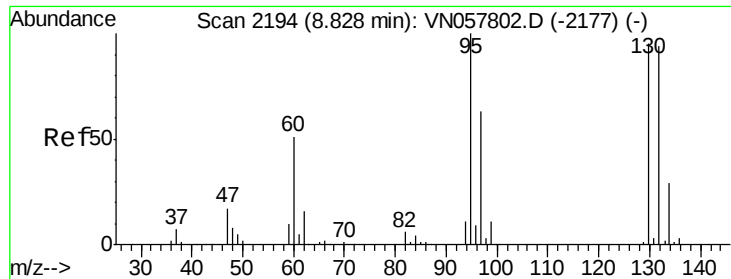
#40
Benzene
Concen: 0.311 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	4879		
77	28.9	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#44

Trichloroethene

Concen: 0.323 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion:130 Resp: 1243

Ion Ratio Lower Upper

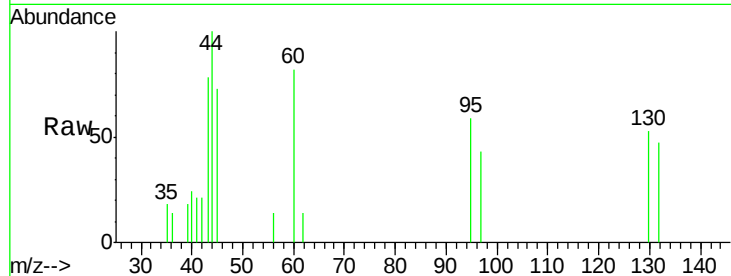
130 100

95 109.9 0.0 211.4

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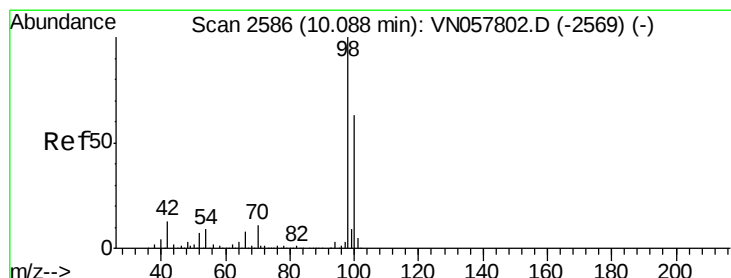
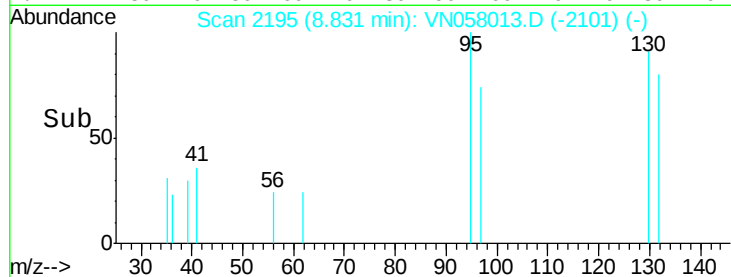
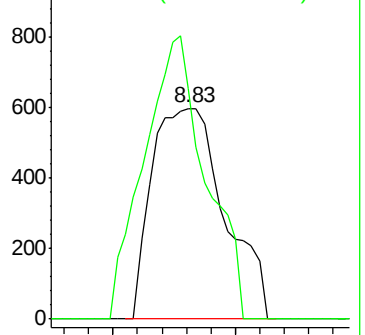
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#50

Toluene-d8

Concen: 51.305 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058013.D

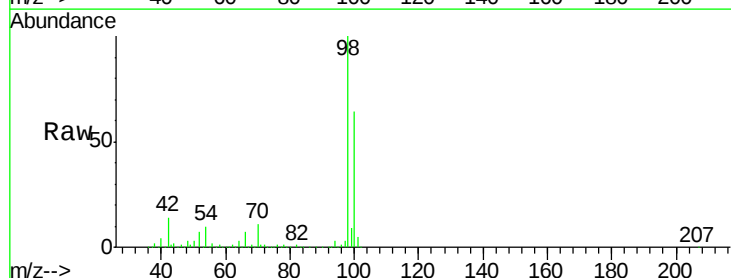
Acq: 13 Sep 2019 13:08

Tgt Ion: 98 Resp: 825640

Ion Ratio Lower Upper

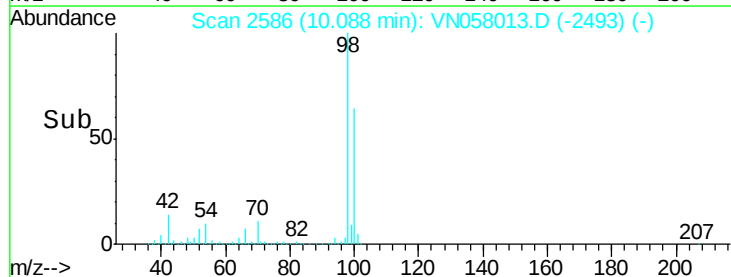
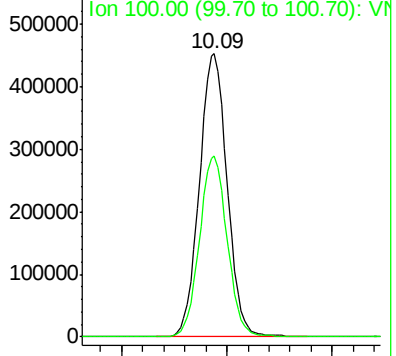
98 100

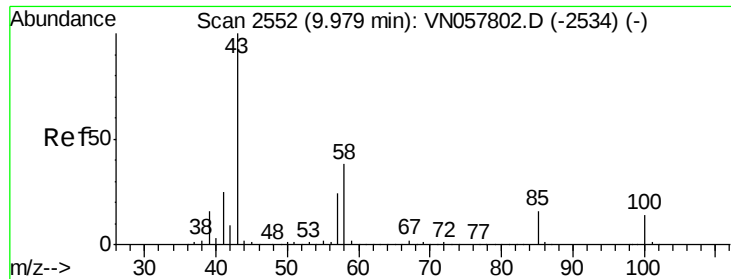
100 63.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 2.962 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion: 43 Resp: 15864

Ion Ratio Lower Upper

43 100

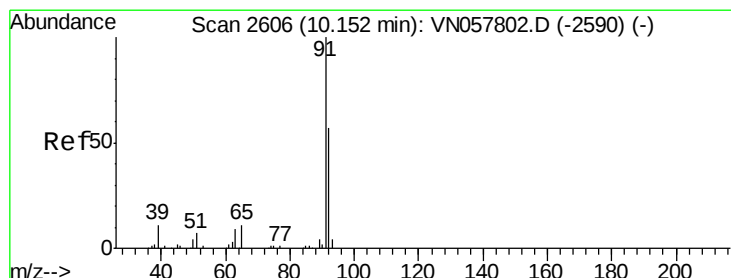
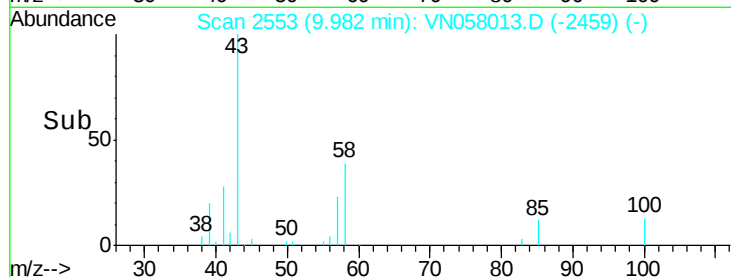
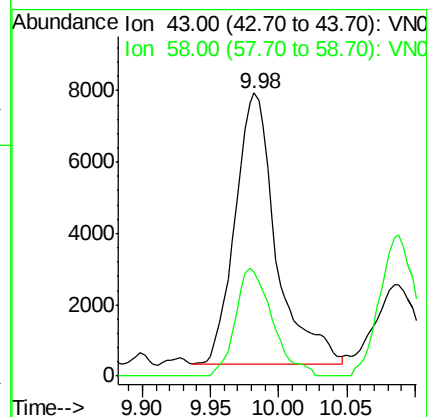
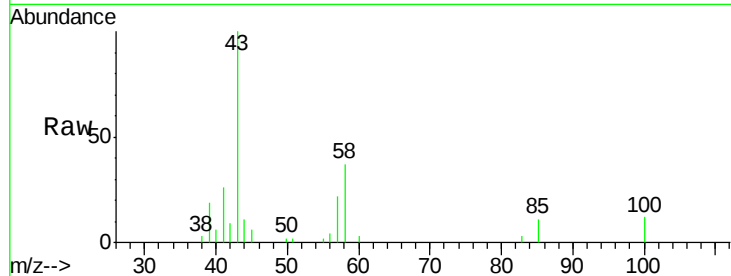
58 35.9 29.8 44.6

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#52

Toluene

Concen: 0.737 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058013.D

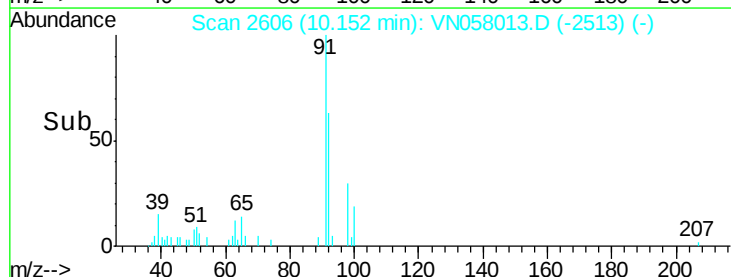
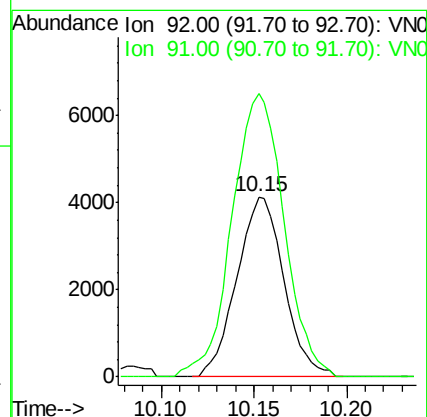
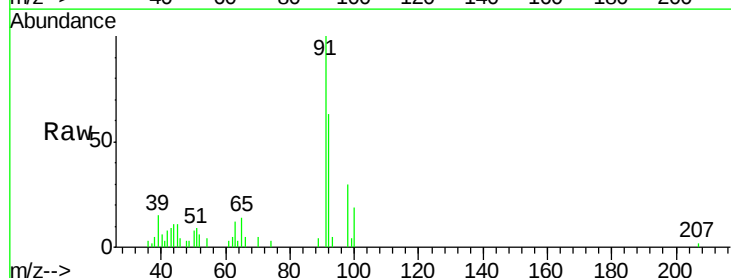
Acq: 13 Sep 2019 13:08

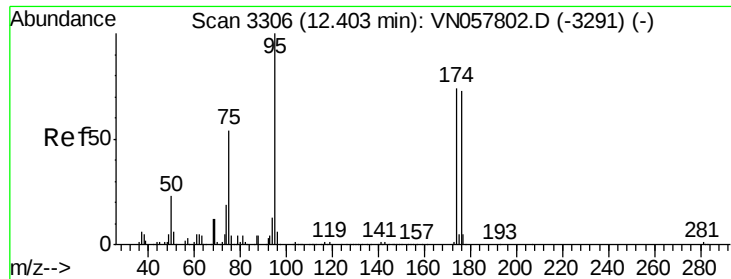
Tgt Ion: 92 Resp: 7283

Ion Ratio Lower Upper

92 100

91 173.5 141.0 211.6





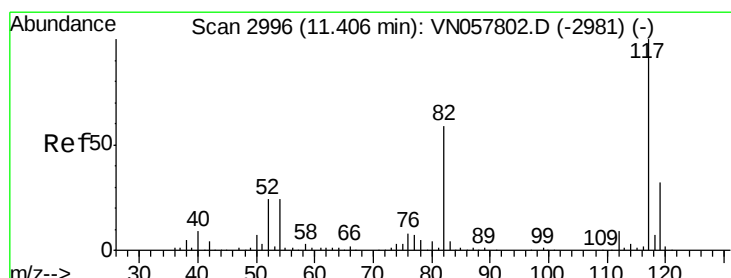
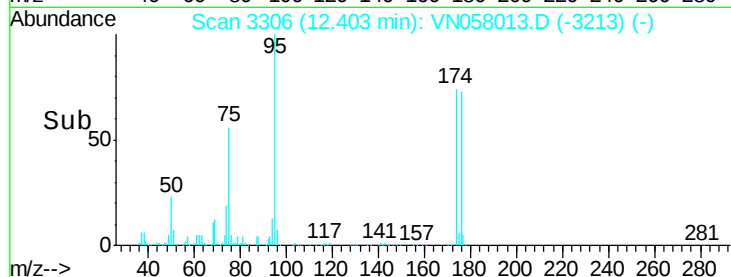
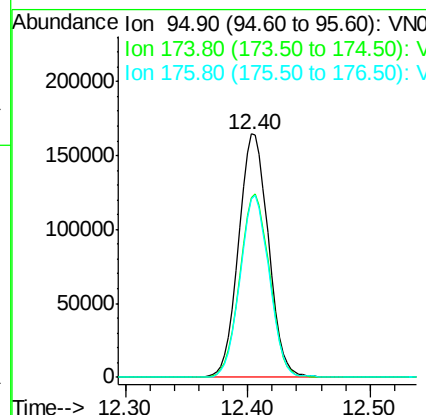
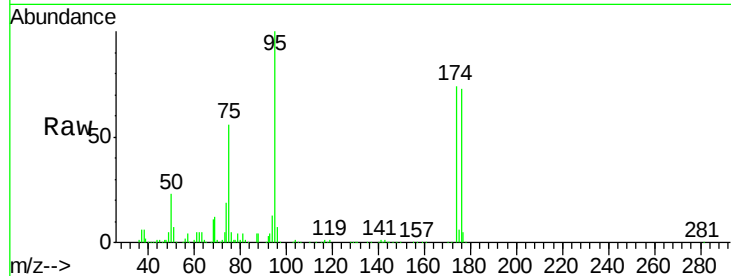
#62
4-Bromofluorobenzene
Concen: 45.544 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200A-B4-091119

Tot Ion	Ratio	Resp	Lower	Upper
95	100	279311		
174	74.9	0.0	150.2	
176	73.2	0.0	146.0	

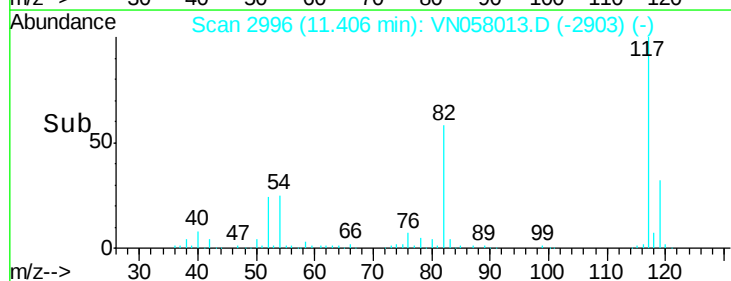
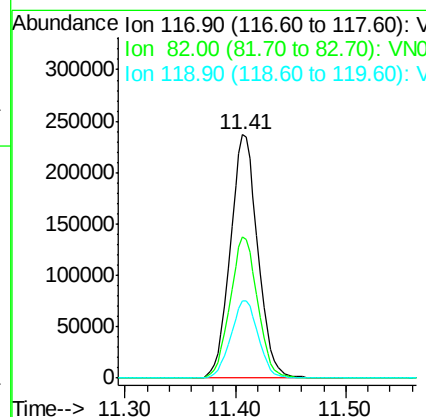
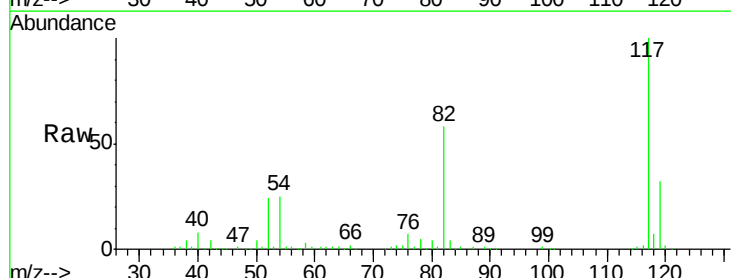
Manual Integrations
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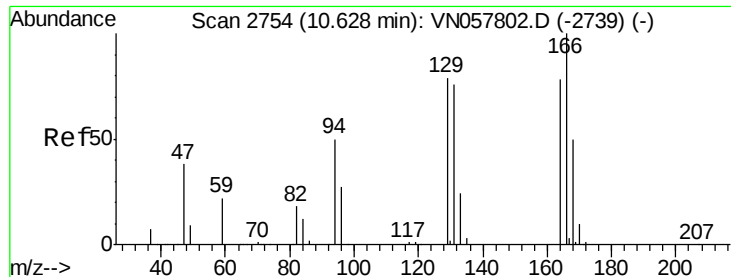
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	407952		
82	58.0	47.2	70.8	
119	31.7	25.3	37.9	





#64

Tetrachloroethene

Concen: 5.095 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

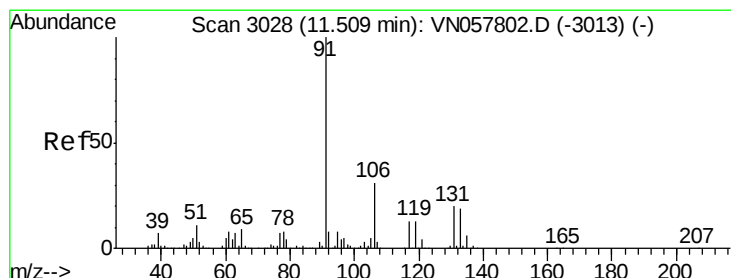
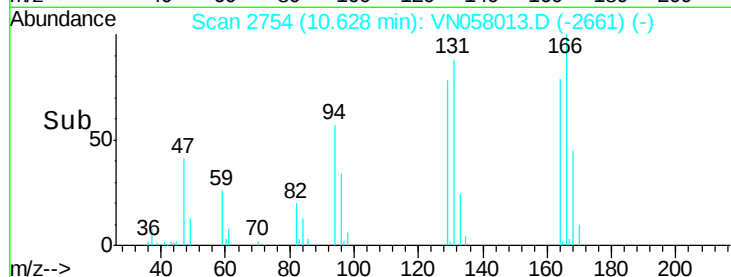
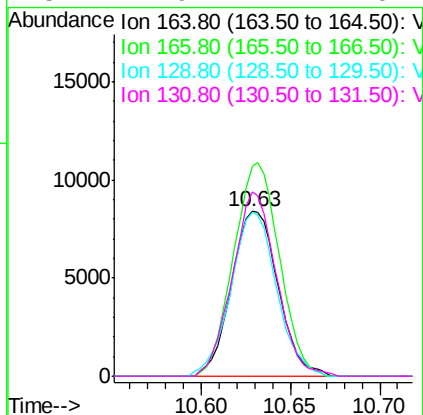
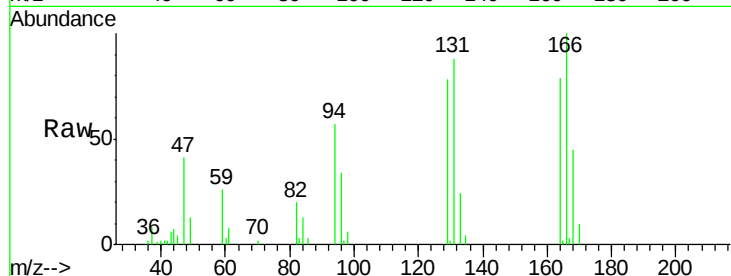
ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion:	164	Resp:	15346
Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.2	153.2
129	99.7	80.8	121.2
131	111.9	77.4	116.2

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#67

Ethyl Benzene

Concen: 0.424 ug/l

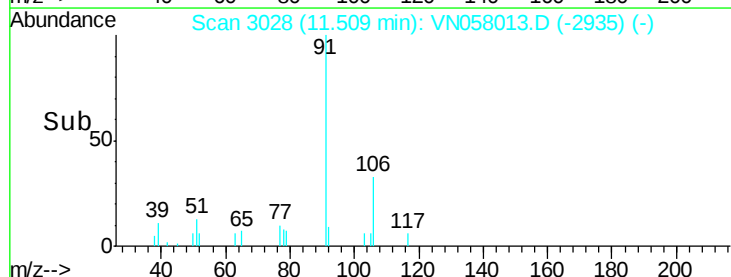
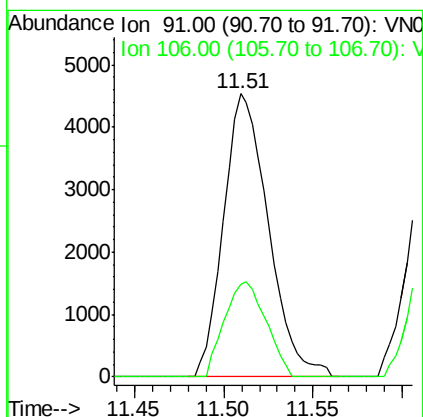
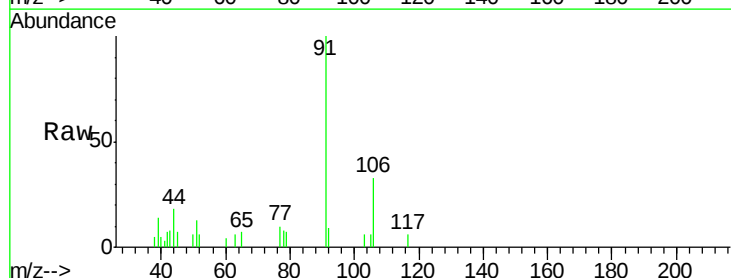
RT: 11.51 min Scan# 3028

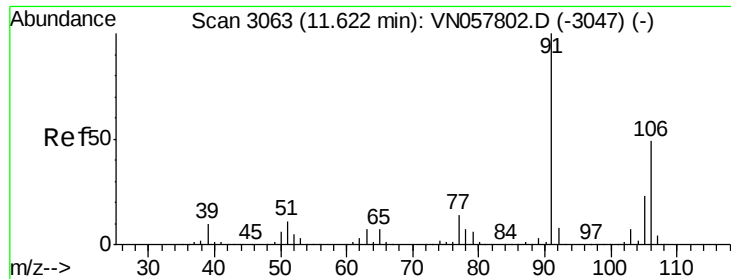
Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Tgt Ion:	91	Resp:	7933
Ion	Ratio	Lower	Upper
91	100		
106	32.8	24.4	36.6





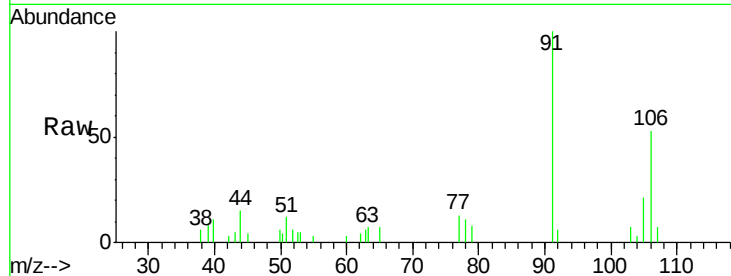
#68
m/p-Xylenes
Concen: 0.699 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200A-B4-091119

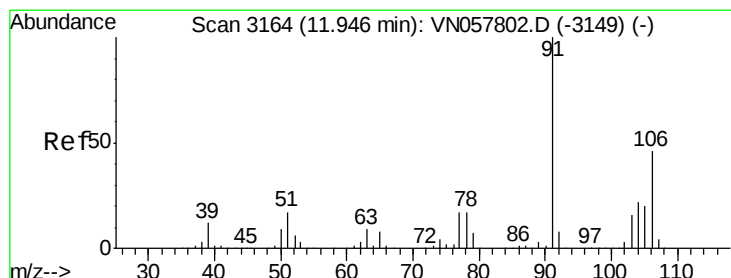
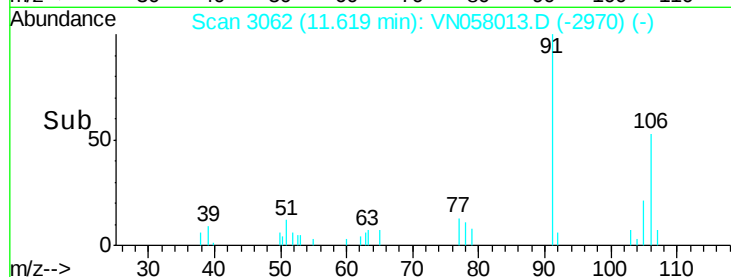
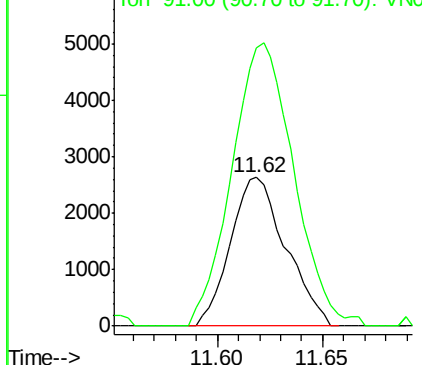
Tot Ion:106 Resp: 4792
Ion Ratio Lower Upper
106 100
91 213.9 165.8 248.6

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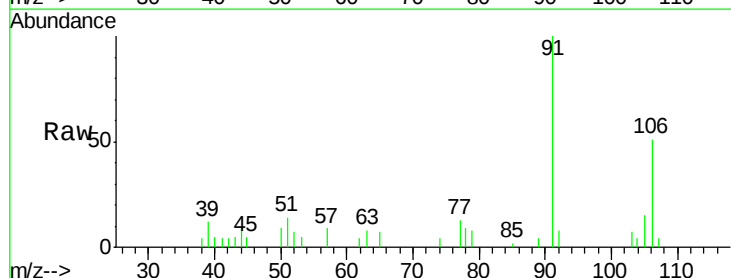


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

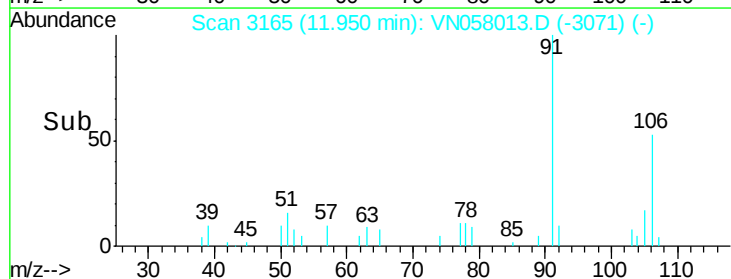
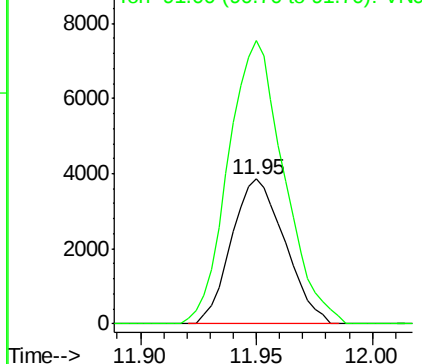


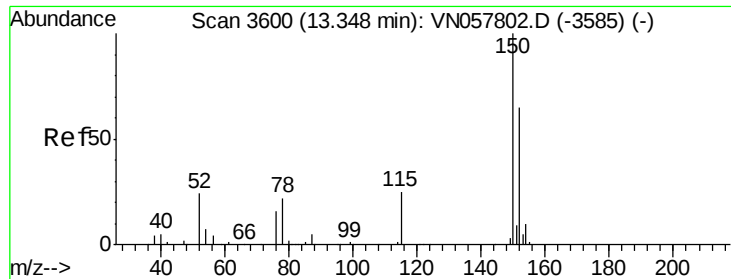
#69
o-Xylene
Concen: 0.904 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058013.D
Acq: 13 Sep 2019 13:08

Tgt Ion:106 Resp: 6160
Ion Ratio Lower Upper
106 100
91 204.5 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Instrument :

MSVOA_N

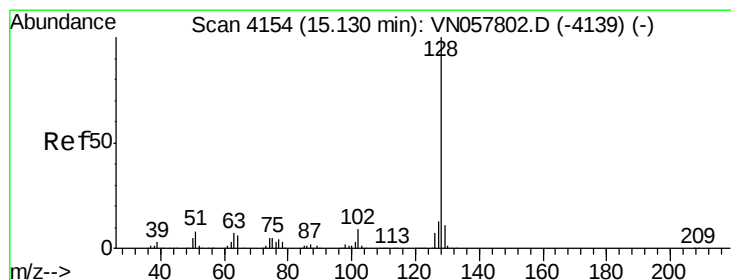
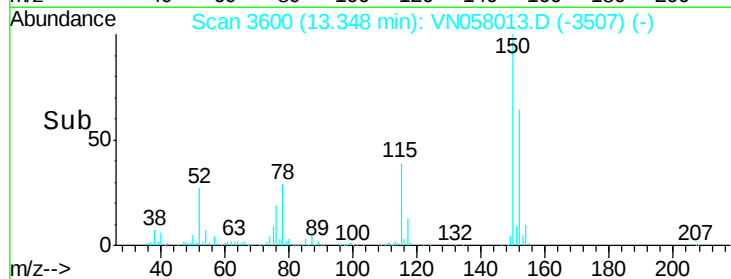
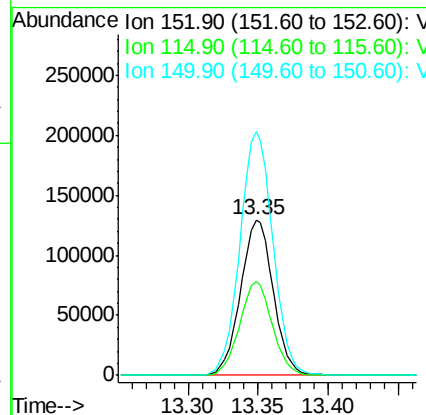
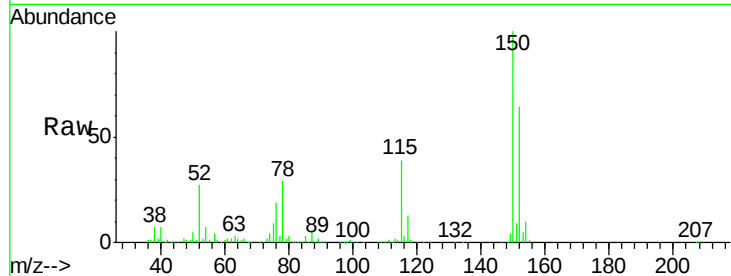
ClientSampleId :

IDW-GW200A-B4-091119

Tot Ion:	152	Resp:	210483
Ion Ratio	Lower	Upper	
152	100		
115	59.9	30.3	91.0
150	157.7	0.0	352.4

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#95

Naphthalene

Concen: 2.313 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058013.D

Acq: 13 Sep 2019 13:08

Tgt Ion:	128	Resp:	46969
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.3	15.5
129	11.1	8.6	12.8

