

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051710.D
 Acq On : 6 Oct 2018 1:17
 Operator : MD\SY
 Sample : J5084-02DL 400X
 Misc : 6.44uL/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-8(9-9.5)DL

Manual Integrations
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 10/8/2018 12:50:11 PM

Quant Time: Oct 06 03:56:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	998651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	411511	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	7.59	113	377519	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.09	98	1414616	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	417495	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	42498	3.243	ug/l	95
52) Toluene	10.16	92	504996	24.537	ug/l	98
67) Ethyl Benzene	11.51	91	419649	11.112	ug/l	98
68) m/p-Xylenes	11.62	106	576036	38.123	ug/l	100
69) o-Xylene	11.95	106	221340	14.937	ug/l	98
73) Isopropylbenzene	12.25	105	50683	1.610	ug/l	100
78) n-propylbenzene	12.59	91	195922	5.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233567	8.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	792760	29.834	ug/l	99
85) sec-Butylbenzene	13.17	105	21571m	0.686	ug/l	
86) p-Isopropyltoluene	13.29	119	10665m	0.383	ug/l	
89) n-Butylbenzene	13.62	91	28505	1.293	ug/l #	62
95) Naphthalene	15.13	128	44683	3.488	ug/l	99

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

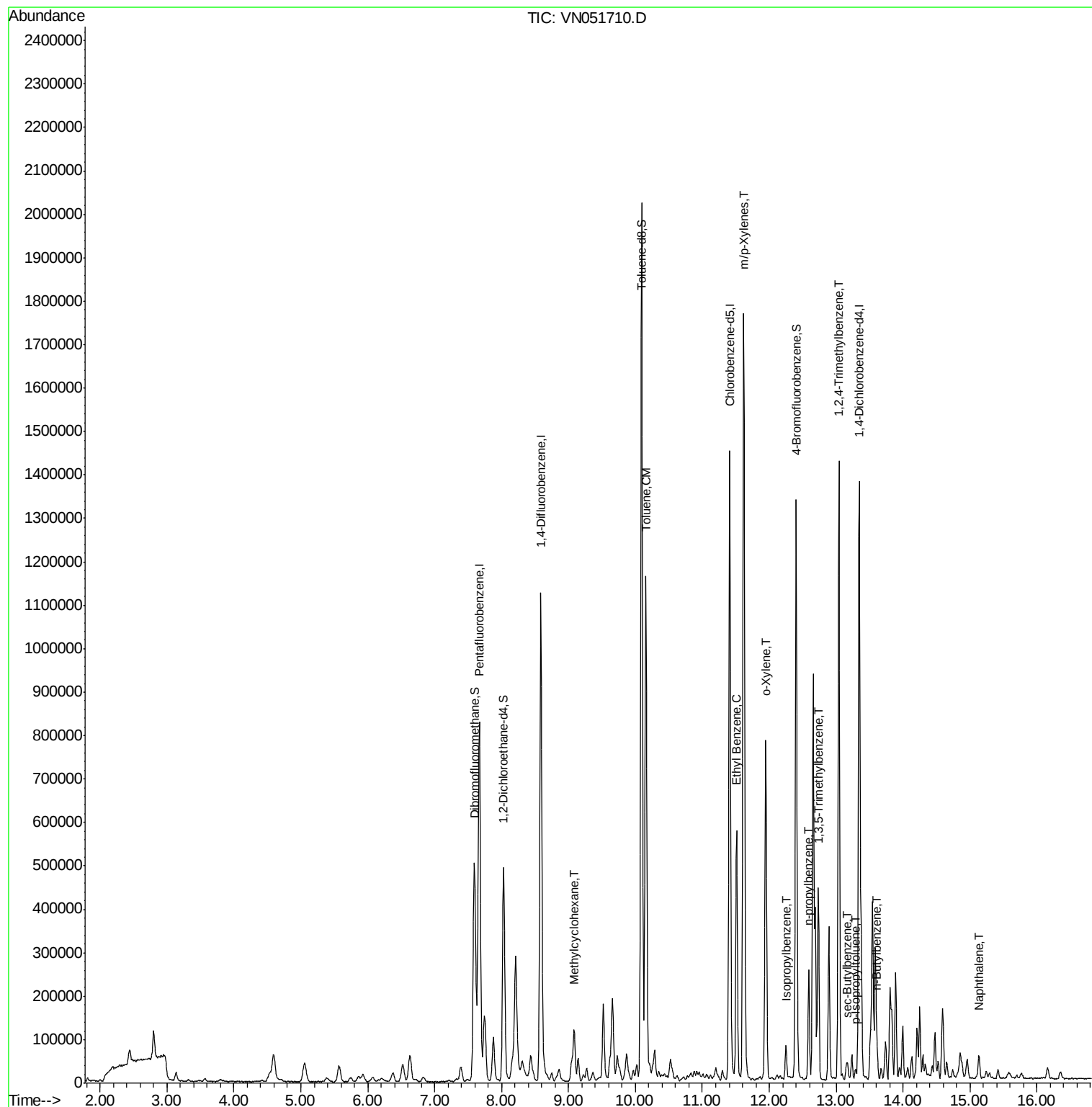
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051710.D
Acq On : 6 Oct 2018 1:17
Operator : MD\SY
Sample : J5084-02DL 400X
Misc : 6.44q/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 40 Sample Multiplier: 28

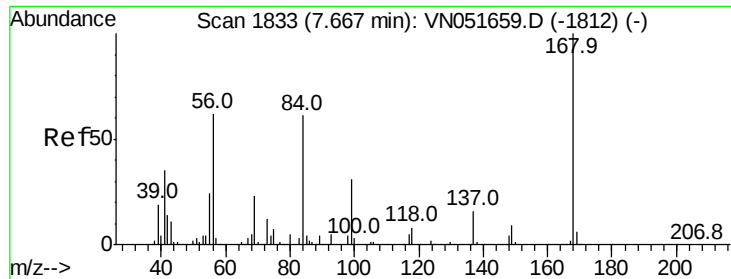
Instrument :
MSVOA_N
ClientSampleId :
B-8(9-9.5)DL

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Quant Time: Oct 06 03:56:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 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: VN051710.D

Acq: 6 Oct 2018 1:17

Instrument :

MSVOA_N

ClientSampled :

B-8(9-9.5)DL

Tot Ion:168 Resp: 684097

Ion Ratio Lower Upper

168 100

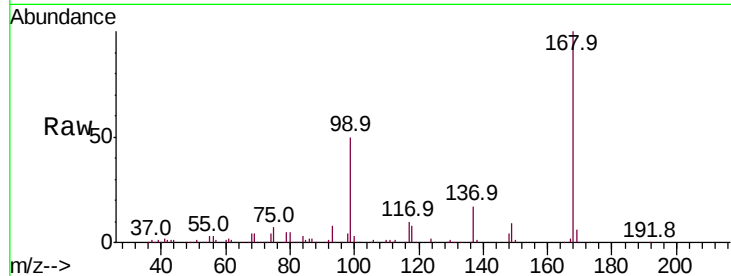
99 49.5 40.4 60.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

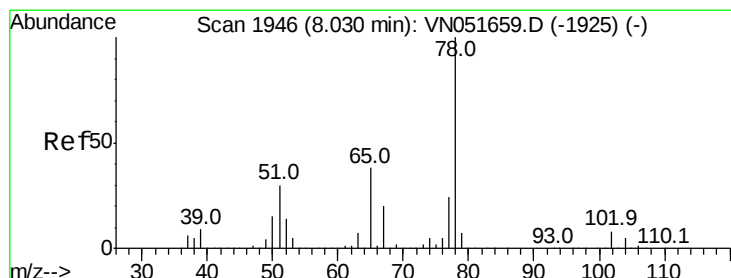
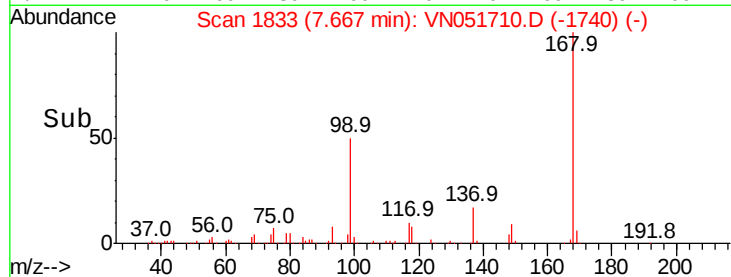
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051710.D

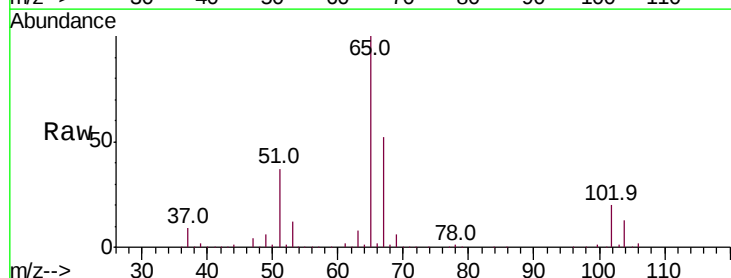
Acq: 6 Oct 2018 1:17

Tgt Ion: 65 Resp: 411511

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

200000

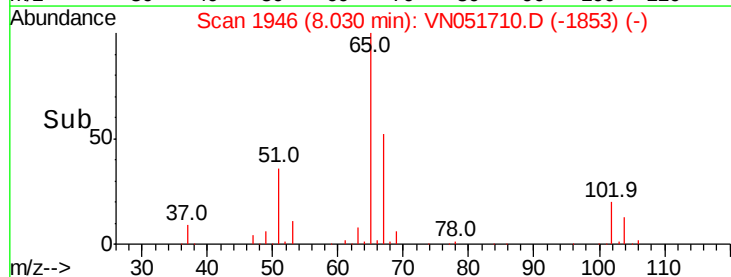
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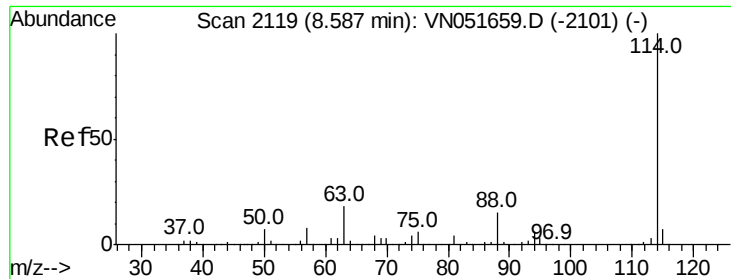
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Time-->





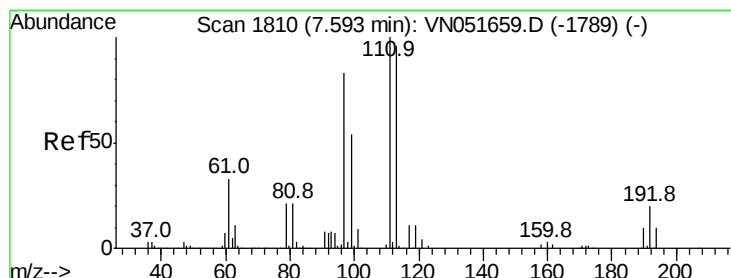
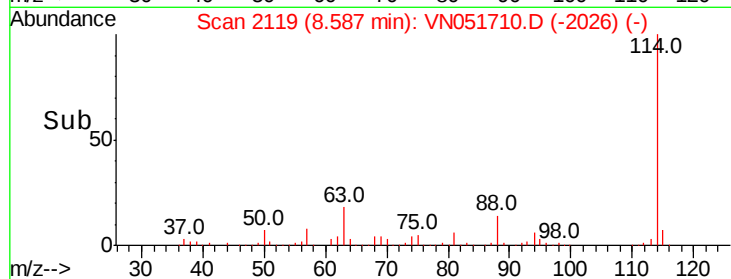
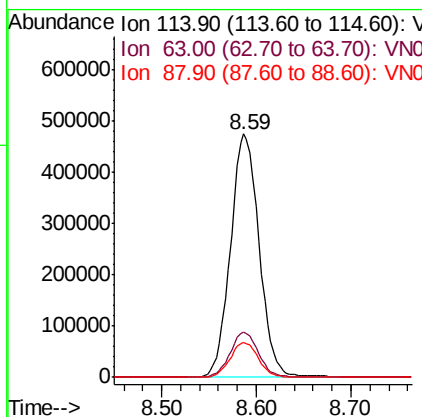
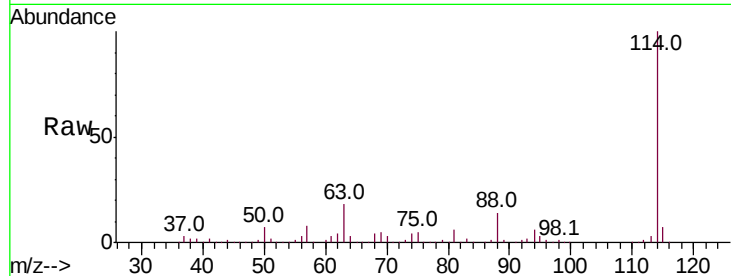
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051710.D
 Acq: 6 Oct 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 B-8(9-9.5)DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.4	0.0	36.2
88	14.3	0.0	30.2

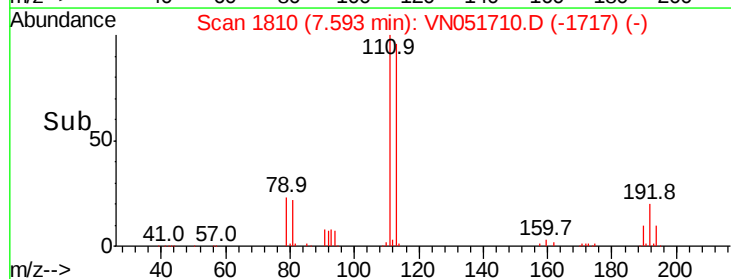
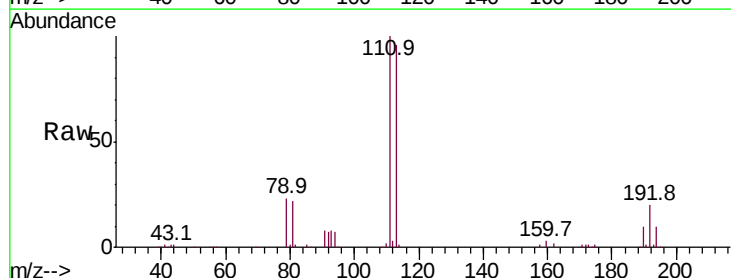
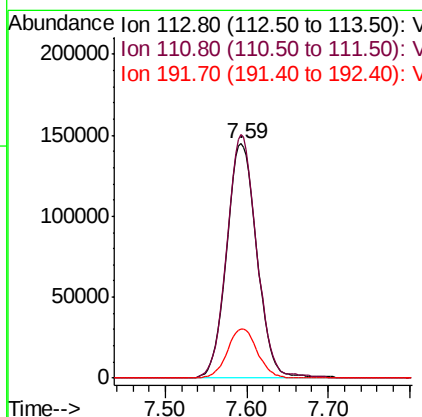
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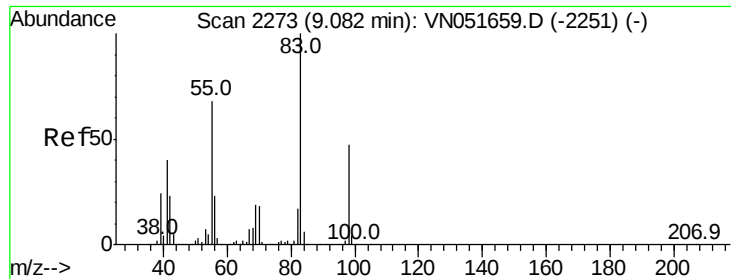
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051710.D
 Acq: 6 Oct 2018 1:17

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.8	81.8	122.8
192	20.8	16.5	24.7





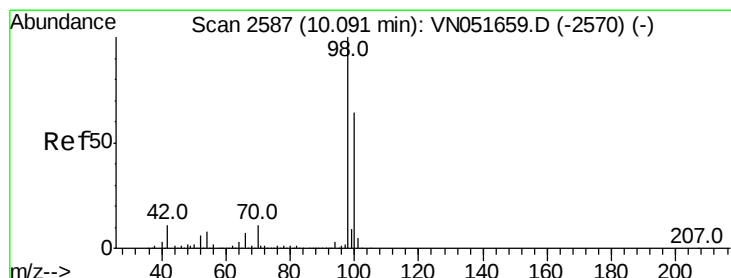
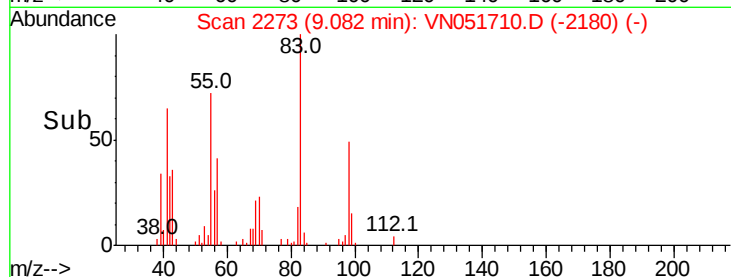
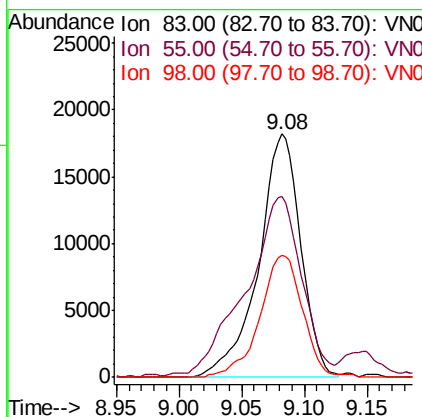
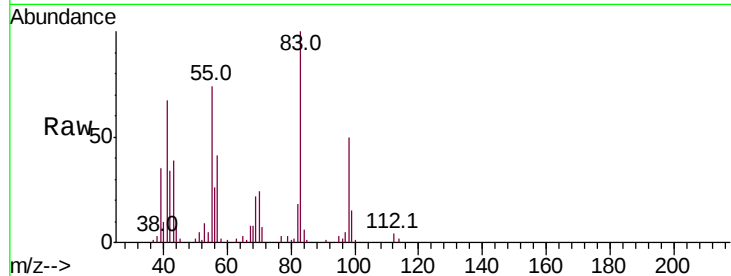
#39
Methvlcvclohexane
Concen: 3.243 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
B-8(9-9.5)DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	54.3	81.5
98	49.9	37.4	56.2

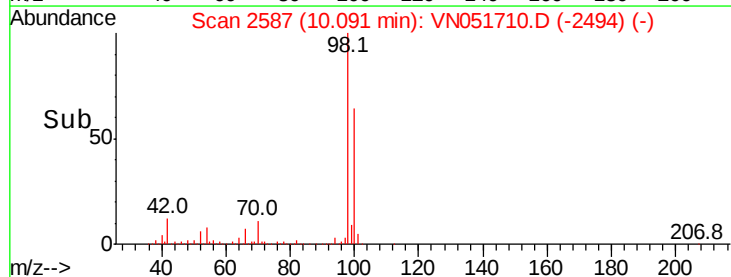
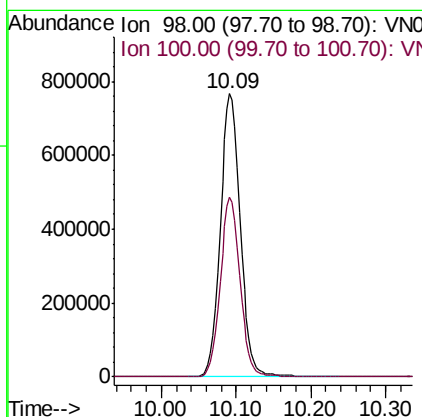
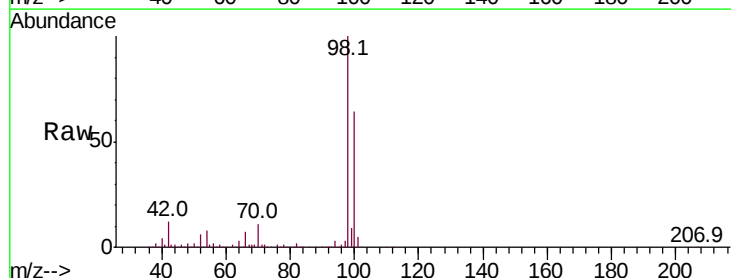
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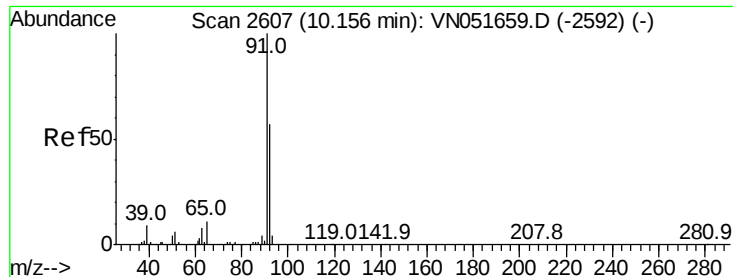
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.5	77.3





#52

Toluene

Concen: 24.537 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

Instrument :

MSVOA_N

ClientSampled :

B-8(9-9.5)DL

Tot Ion: 92 Resp: 504996

Ion Ratio Lower Upper

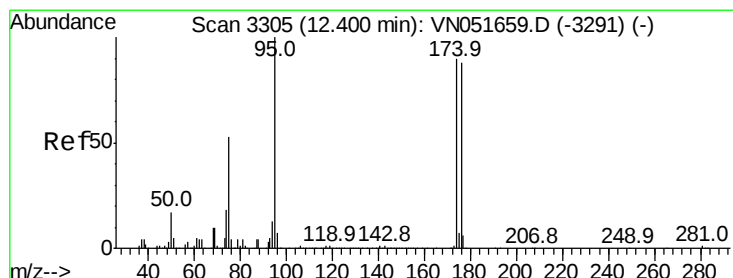
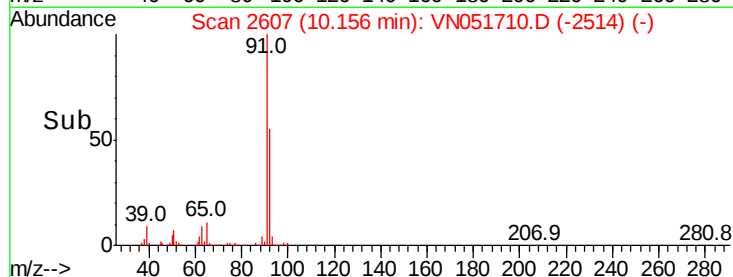
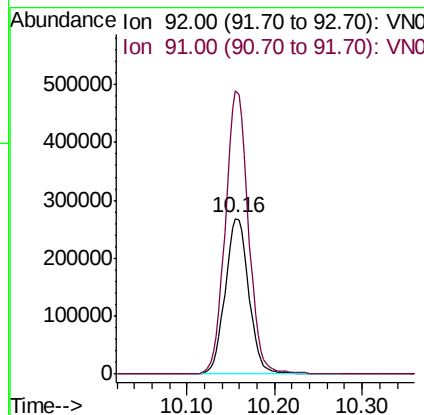
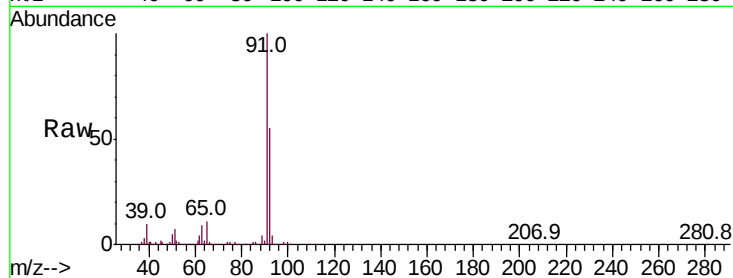
92 100

91 177.7 140.3 210.5

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#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

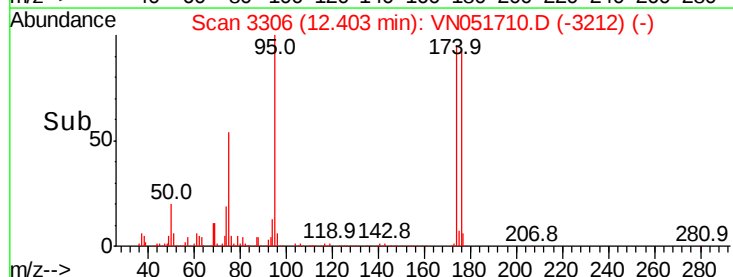
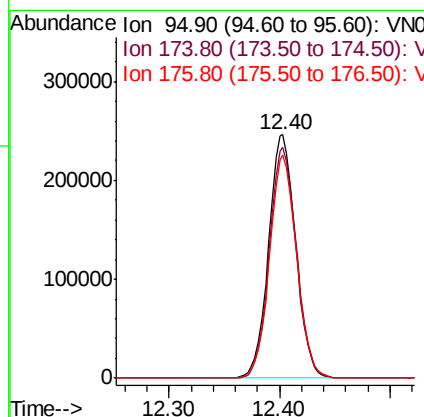
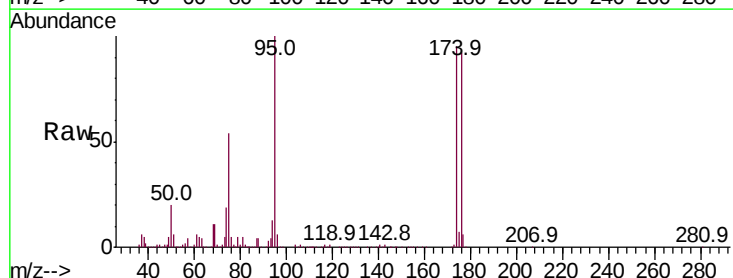
Tgt Ion: 95 Resp: 417495

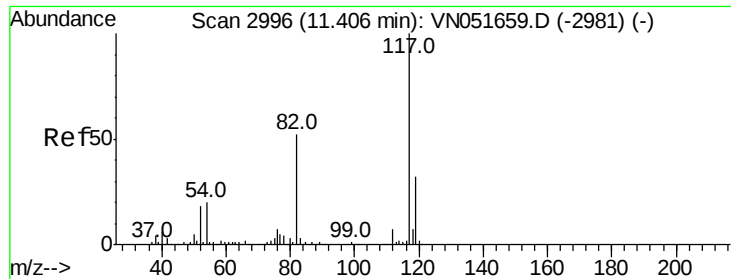
Ion Ratio Lower Upper

95 100

174 95.1 0.0 182.8

176 91.3 0.0 176.4





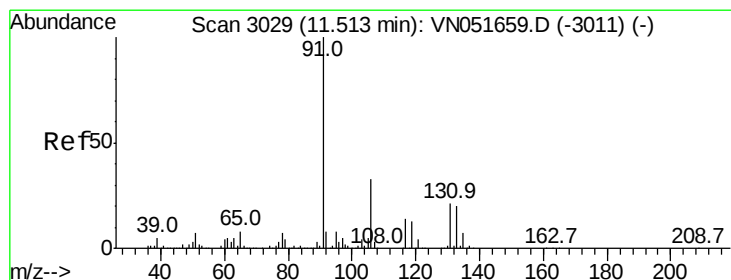
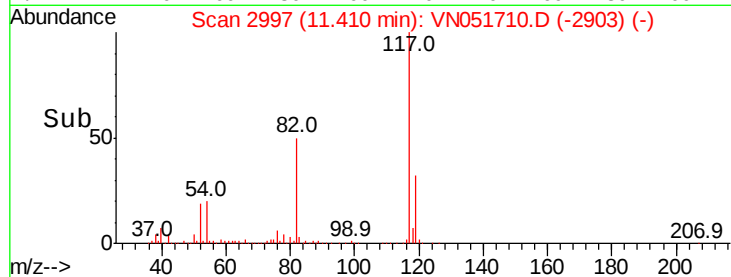
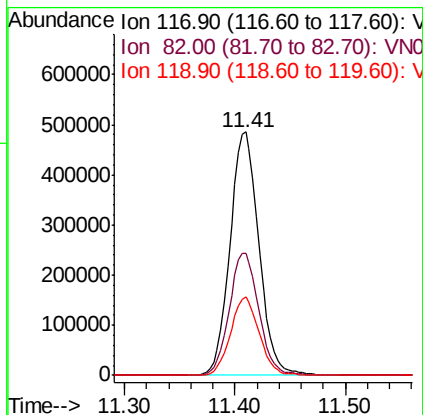
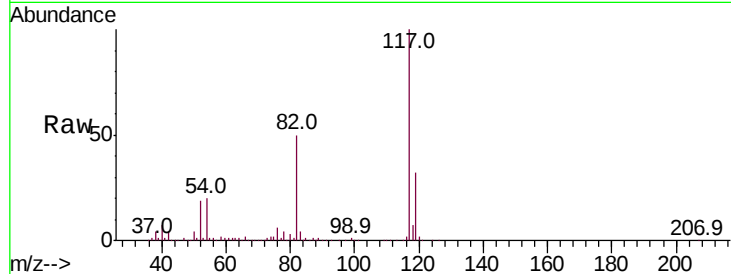
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Instrument :
MSVOA_N
ClientSampled :
B-8(9-9.5)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.3	61.9
119	32.1	25.9	38.9

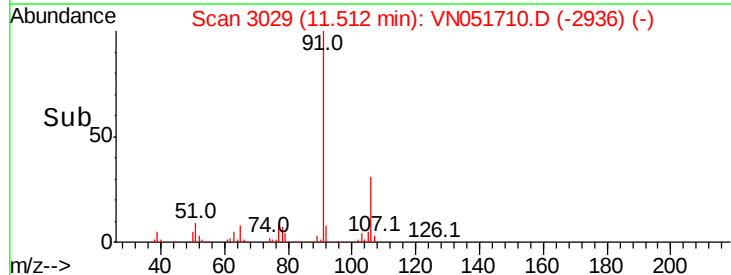
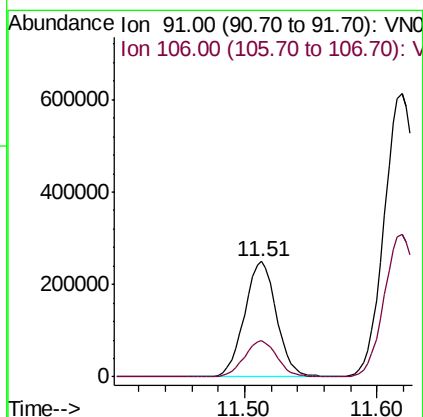
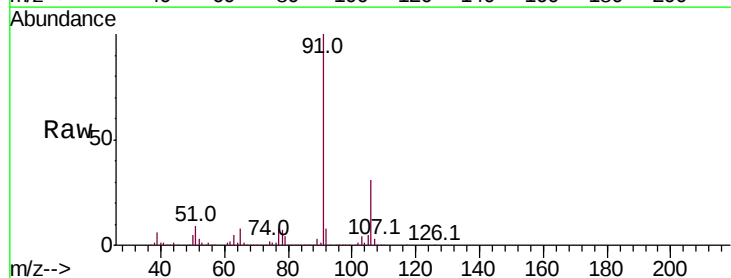
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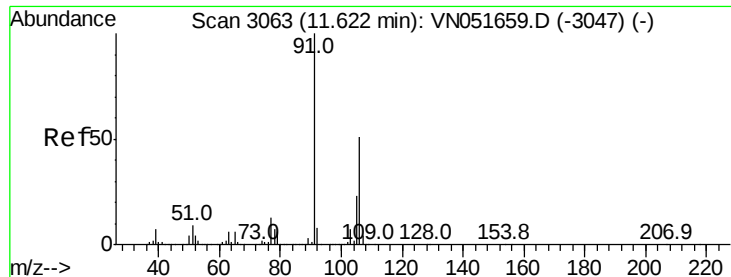
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#67
Ethyl Benzene
Concen: 11.112 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	26.0	39.0





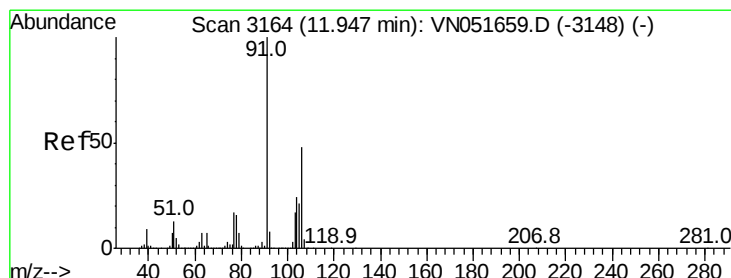
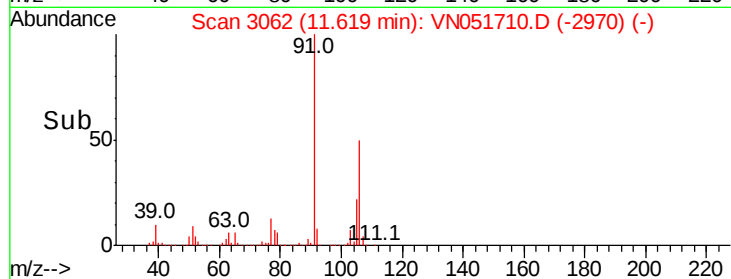
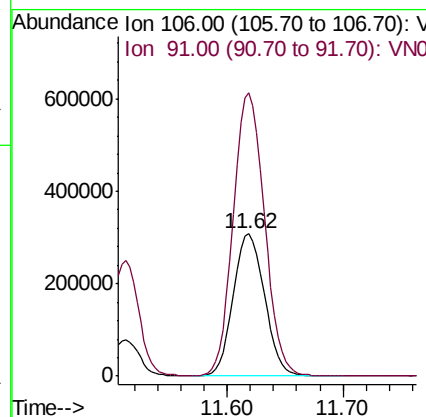
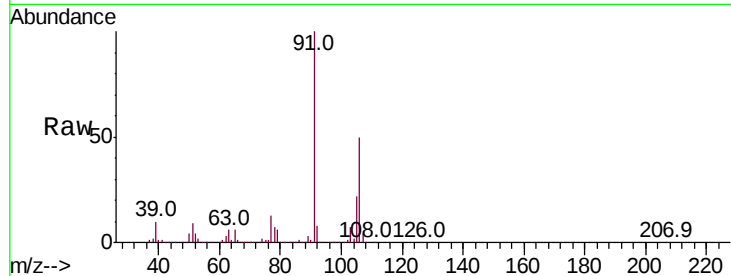
#68
m/p-Xylenes
Concen: 38.123 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
B-8(9-9.5)DL

Tot Ion:106 Resp: 576036
Ion Ratio Lower Upper
106 100
91 198.4 158.4 237.6

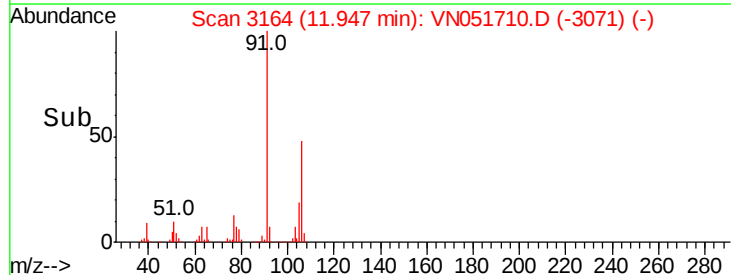
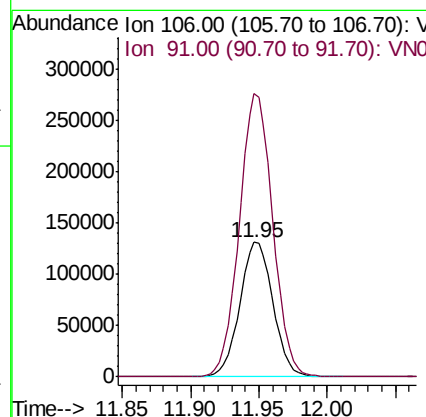
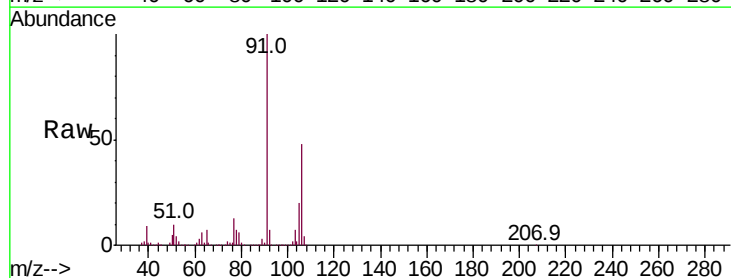
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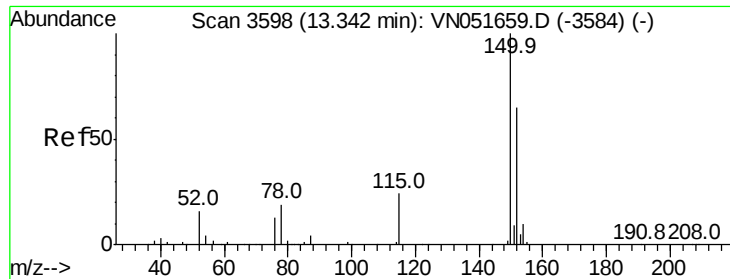
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#69
o-Xylene
Concen: 14.937 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Tgt Ion:106 Resp: 221340
Ion Ratio Lower Upper
106 100
91 212.0 104.4 313.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

Instrument :

MSVOA_N

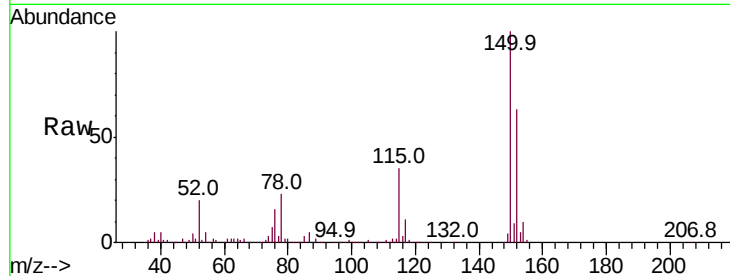
ClientSampleId :

B-8(9-9.5)DL

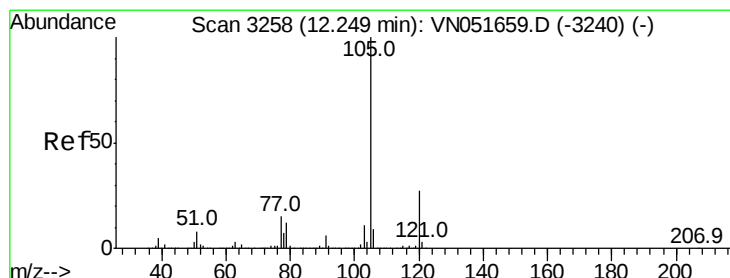
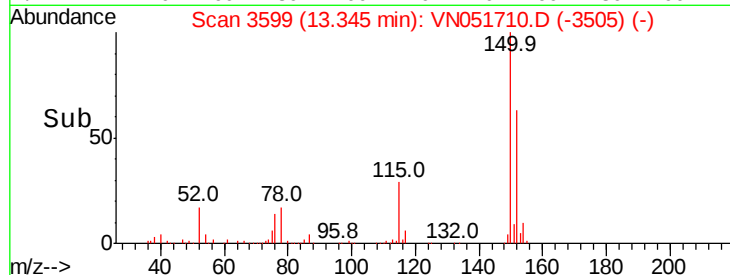
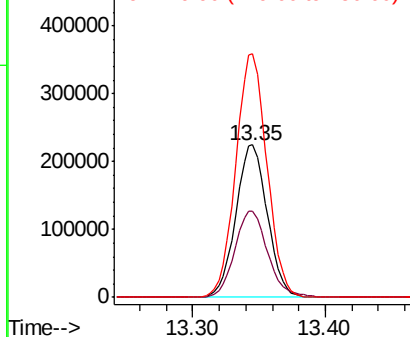
Tot Ion:	152	Resp:	369285
Ion Ratio	Lower	Upper	
152	100		
115	59.0	28.6	85.8
150	158.0	0.0	352.4

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



#73

Isopropylbenzene

Concen: 1.610 ug/l

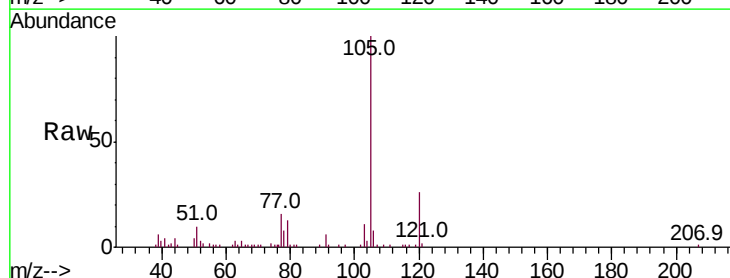
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

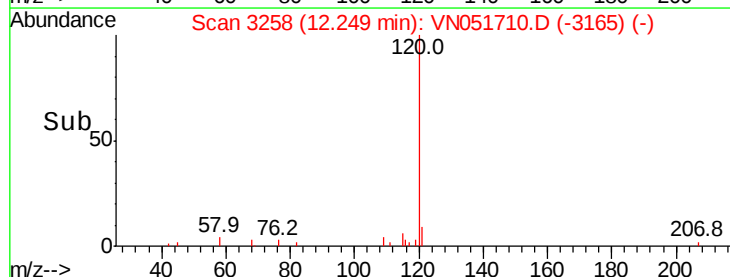
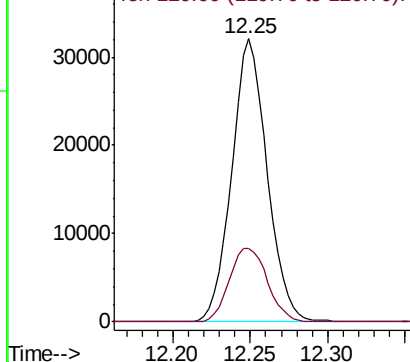
Lab File: VN051710.D

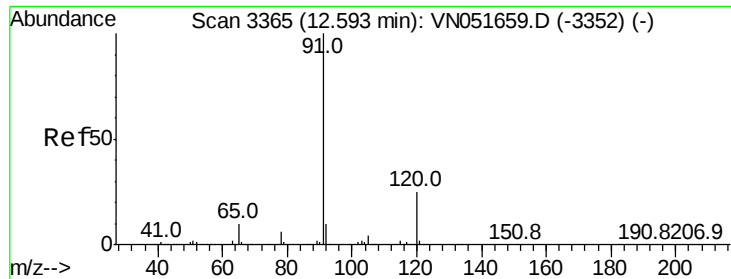
Acq: 6 Oct 2018 1:17

Tgt Ion:	105	Resp:	50683
Ion Ratio	Lower	Upper	
105	100		
120	27.9	13.9	41.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.706 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

B-8(9-9.5)DL

Tot Ion: 91 Resp: 195922

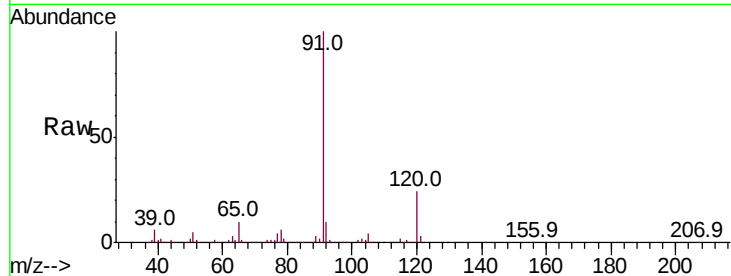
Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.2

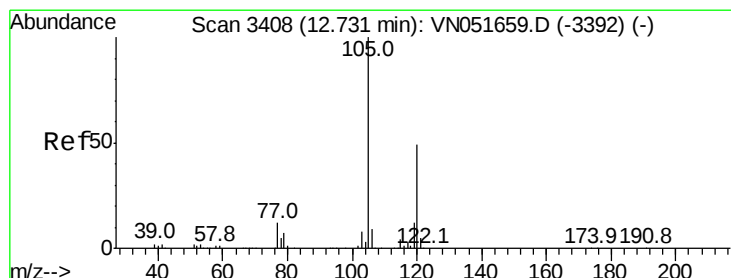
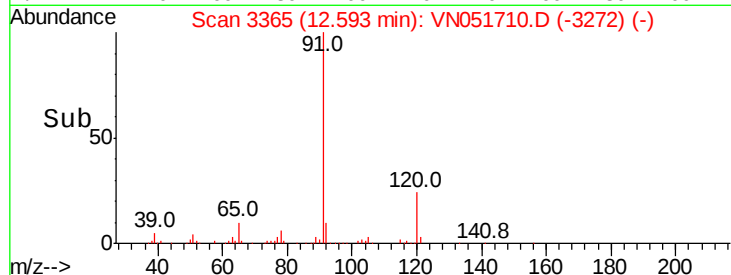
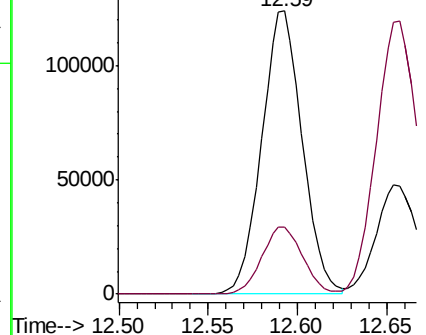
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Abundance Ion 91.00 (90.70 to 91.70): VN051710.D (-3272) (-)

Ion 120.00 (119.70 to 120.70): VN051710.D (-3272) (-)



#80

1,3,5-Trimethylbenzene

Concen: 8.804 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051710.D

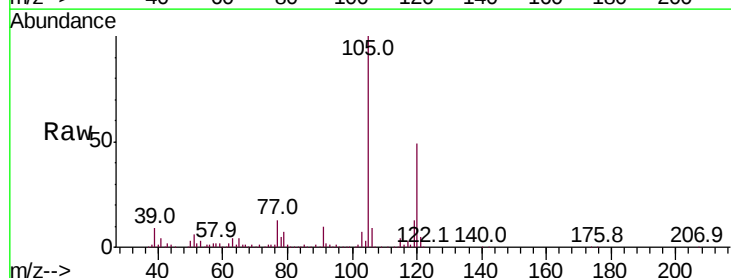
Acq: 6 Oct 2018 1:17

Tgt Ion: 105 Resp: 233567

Ion Ratio Lower Upper

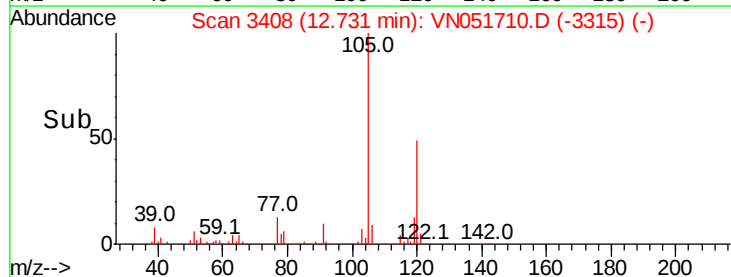
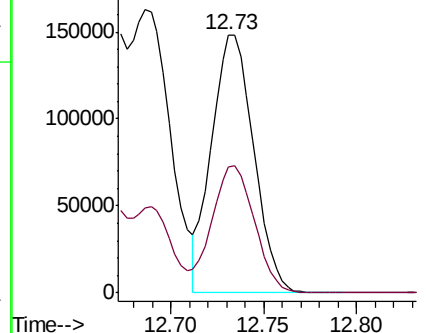
105 100

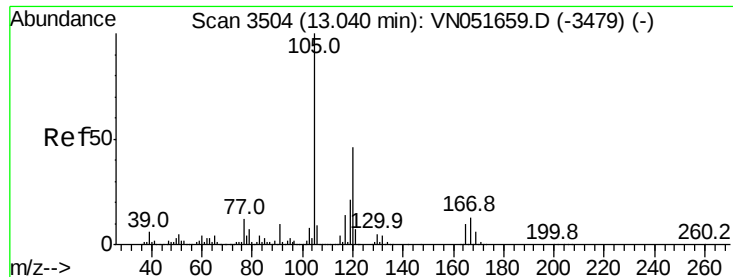
120 50.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051710.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051710.D (-3315) (-)





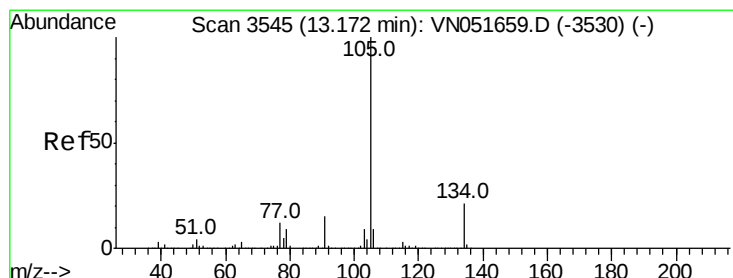
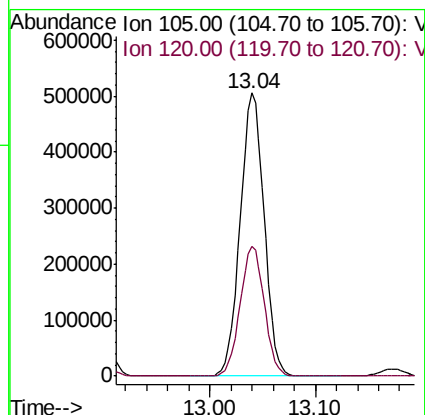
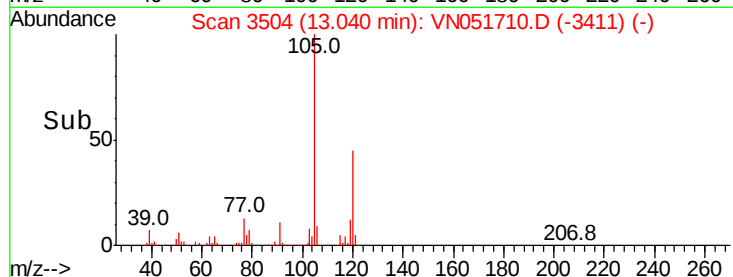
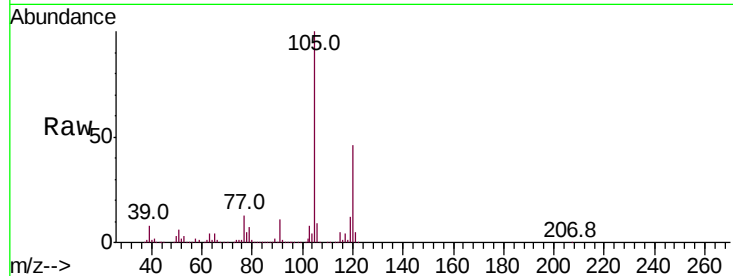
#84
1,2,4-Trimethylbenzene
Concen: 29.834 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
B-8(9-9.5)DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7

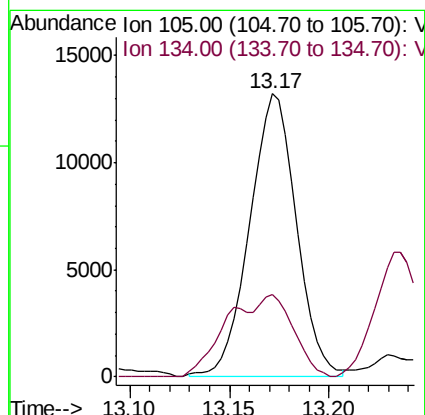
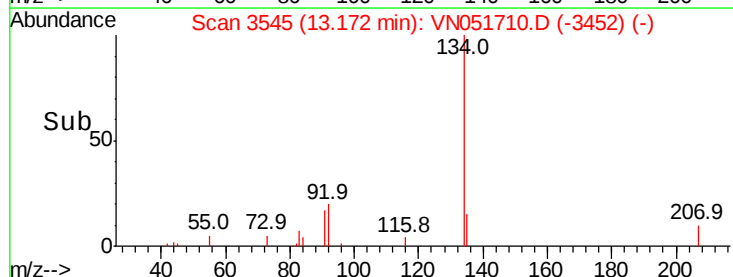
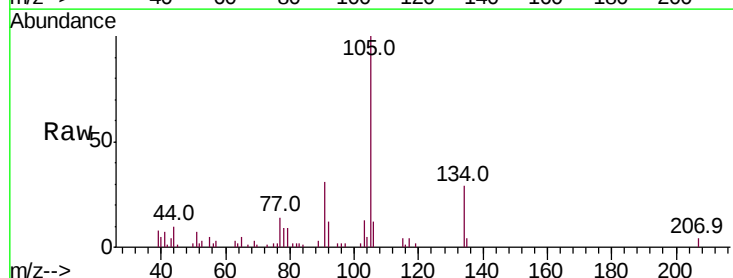
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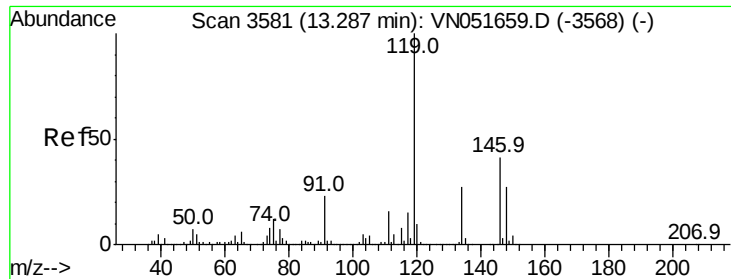
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#85
sec-Butylbenzene
Concen: 0.686 ug/l m
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.5	31.6#





#86

p-Isopropyltoluene

Concen: 0.383 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

Instrument :

MSVOA_N

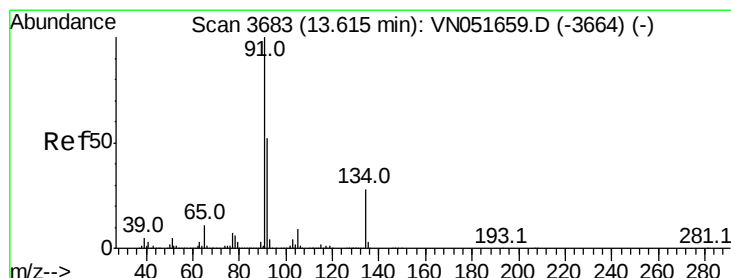
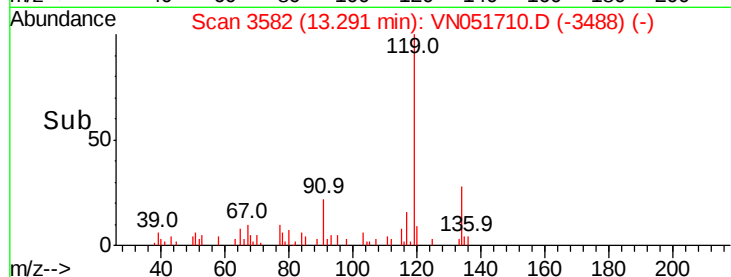
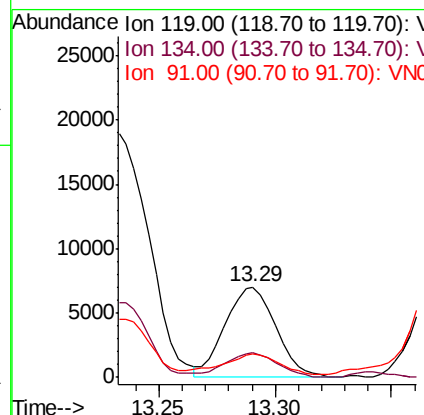
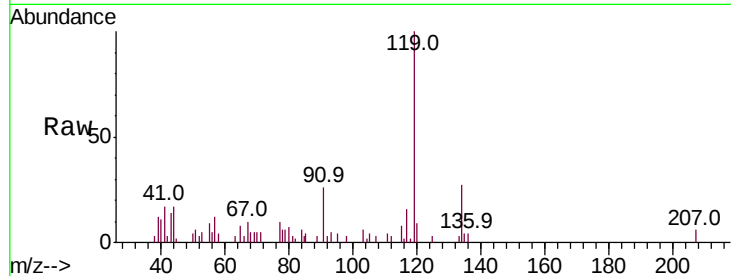
ClientSampleId :

B-8(9-9.5)DL

Tot Ion:	119	Resp:	10665
Ion Ratio	Lower	Upper	
119	100		
134	84.9	13.4	40.2#
91	69.6	11.7	35.1#

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#89

n-Butylbenzene

Concen: 1.293 ug/l

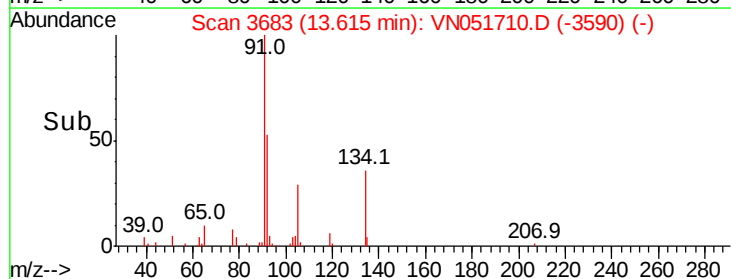
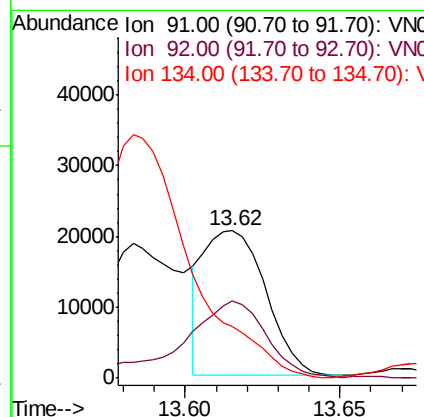
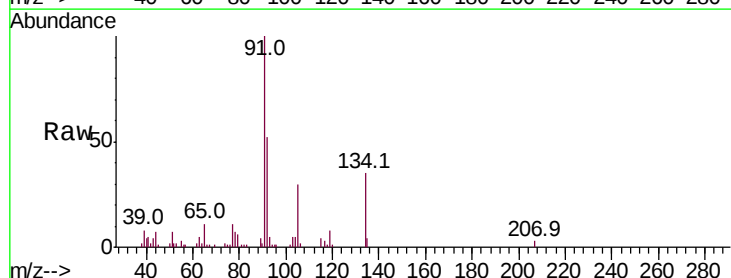
RT: 13.62 min Scan# 3683

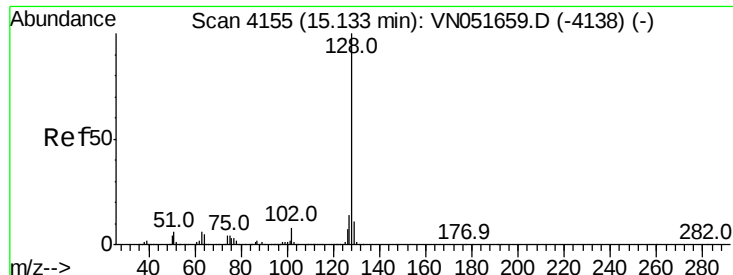
Delta R.T. -0.00 min

Lab File: VN051710.D

Acq: 6 Oct 2018 1:17

Tgt Ion:	91	Resp:	28505
Ion Ratio	Lower	Upper	
91	100		
92	73.0	26.0	78.0
134	0.0	14.2	42.6#





#95
Naphthalene
Concen: 3.488 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051710.D
Acq: 6 Oct 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
B-8(9-9.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	44683		
127	13.6		10.6	15.8
129	11.7		9.0	13.6

Manual Integrations
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