

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051717.D
 Acq On : 6 Oct 2018 4:10
 Operator : MD\SY
 Sample : J5165-06 40X
 Misc : 5.89g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:14 PM

Quant Time: Oct 06 06:06:09 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	684618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	980208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	859799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	402104	44.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.92%	
35) Dibromofluoromethane	7.59	113	372359	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	10.09	98	1384809	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	398262	39.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.60%	
Target Compounds						
7) Trichlorofluoromethane	2.87	101	64	Below Cal	#	19
41) Methacrylonitrile	7.18	41	658	Below Cal	#	25
73) Isopropylbenzene	12.25	105	21064	0.696	ug/l	95
78) n-propylbenzene	12.59	91	67349	2.040	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	37148	1.456	ug/l	96
83) tert-Butylbenzene	12.99	119	9353	0.409	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	541615	21.200	ug/l	100
85) sec-Butylbenzene	13.17	105	72255	2.390	ug/l	80
86) p-Isopropyltoluene	13.29	119	75812	2.829	ug/l	98
89) n-Butylbenzene	13.62	91	53431m	2.522	ug/l	

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

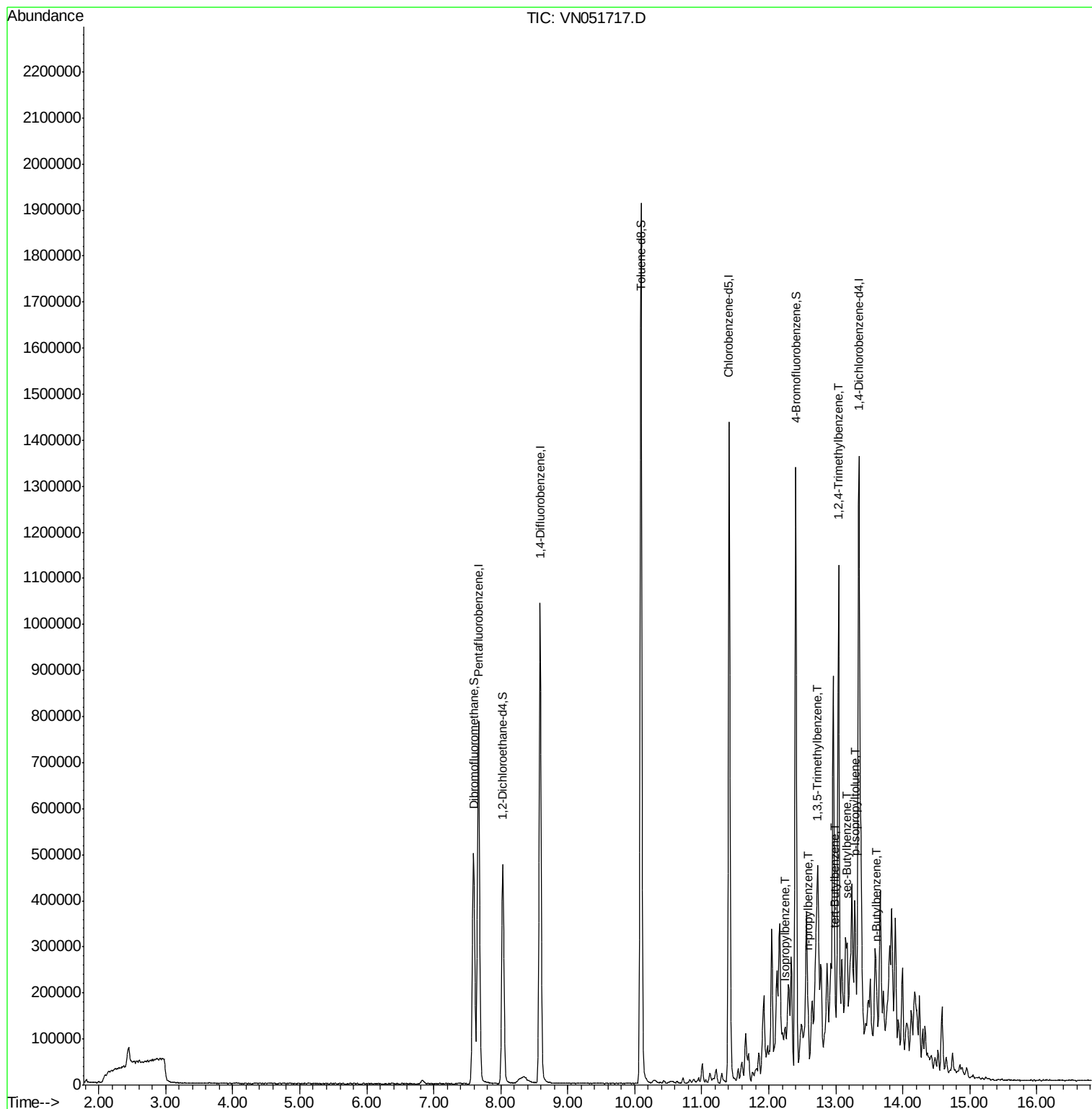
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051717.D
Acq On : 6 Oct 2018 4:10
Operator : MD\SY
Sample : J5165-06 40X
Misc : 5.89g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 47 Sample Multiplier: 28

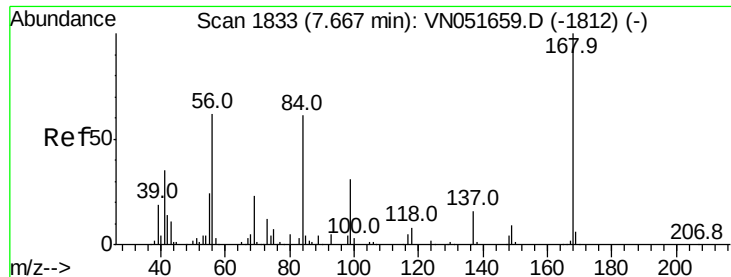
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)

Manual Integrations
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10/8/2018 12:50:14 PM

Quant Time: Oct 06 06:06:09 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: VN051717.D

Acq: 6 Oct 2018 4:10

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-H-092718(7-10)

Tot Ion:168 Resp: 684618

Ion Ratio Lower Upper

168 100

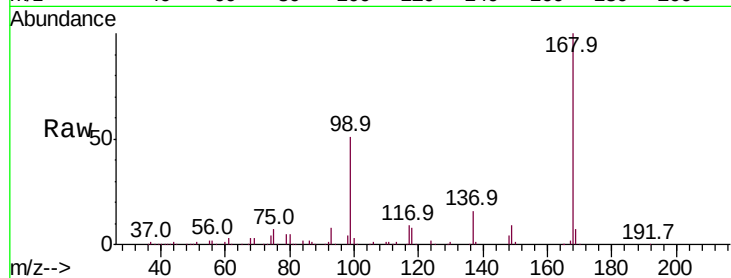
99 51.3 40.4 60.6

Manual Integrations

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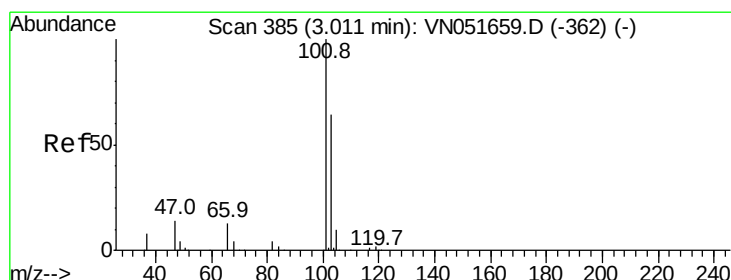
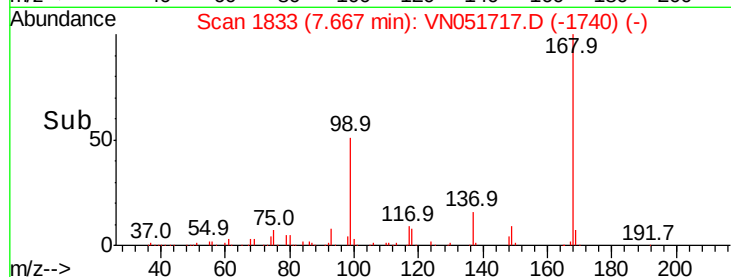
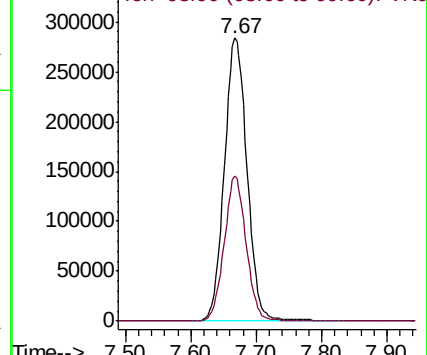
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.87 min Scan# 341

Delta R.T. -0.14 min

Lab File: VN051717.D

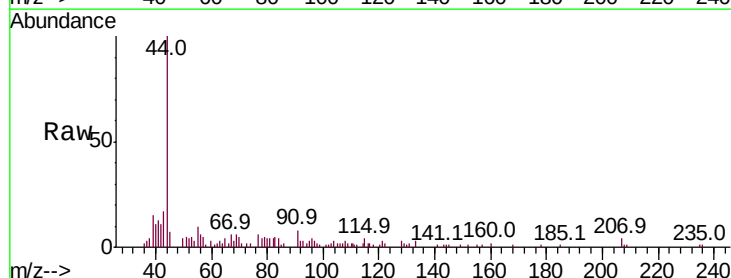
Acq: 6 Oct 2018 4:10

Tgt Ion:101 Resp: 64

Ion Ratio Lower Upper

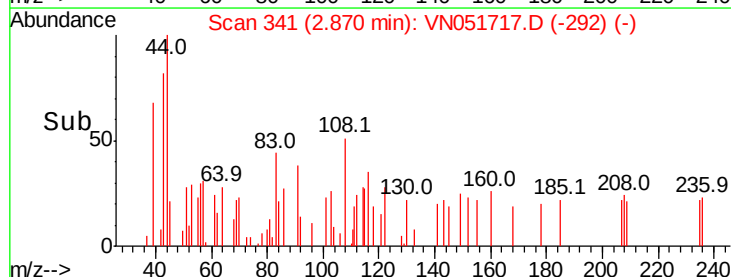
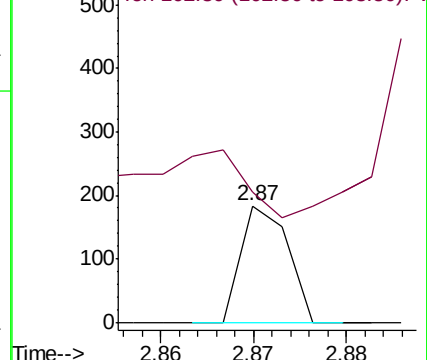
101 100

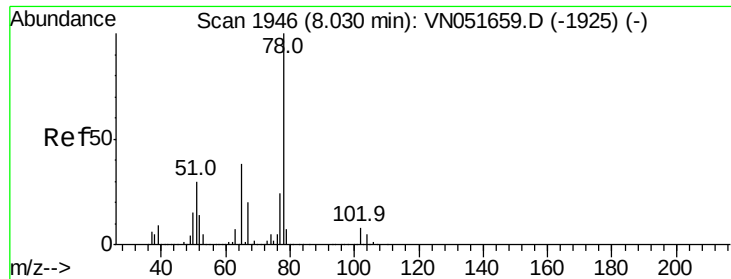
103 0.5 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





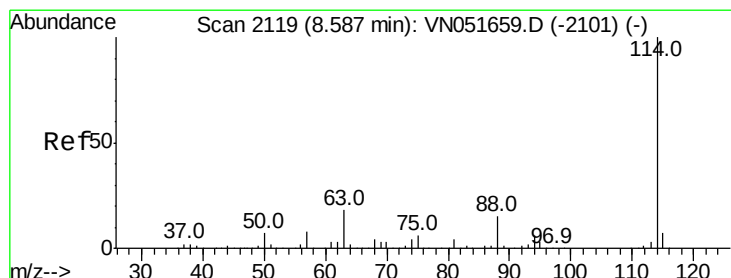
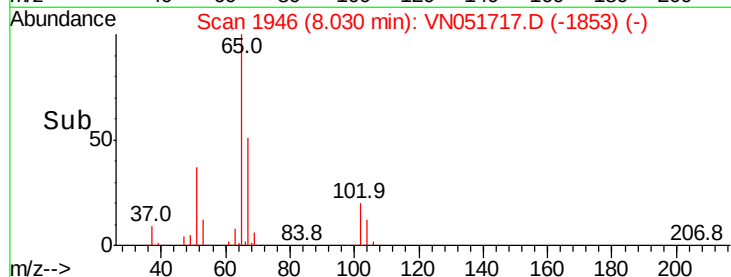
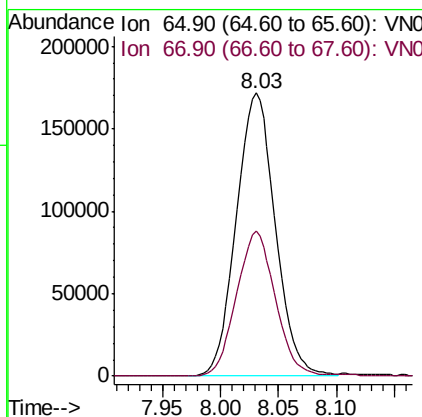
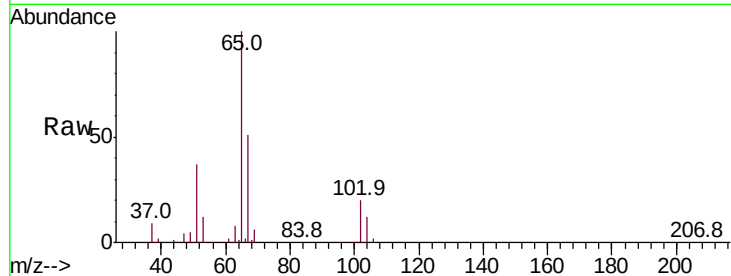
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051717.D
 Acq: 6 Oct 2018 4:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)

Tot Ion: 65 Resp: 402104
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6

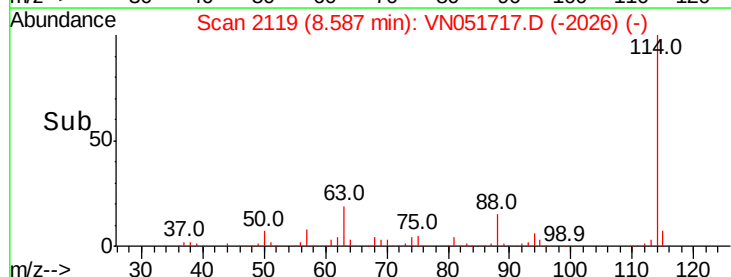
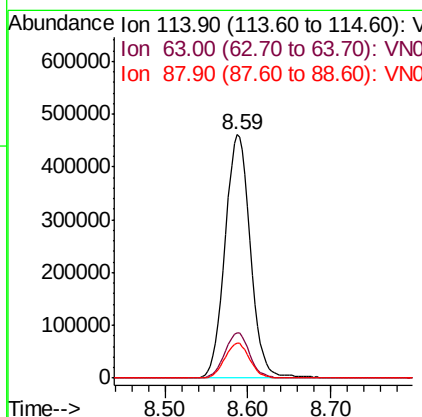
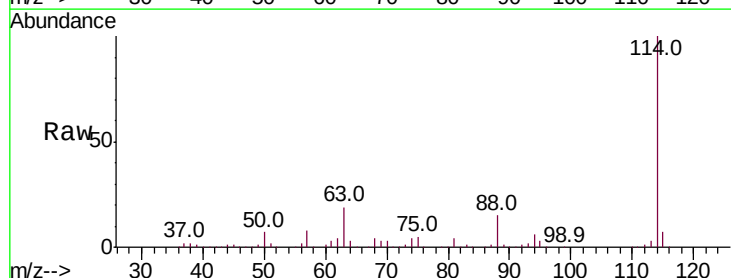
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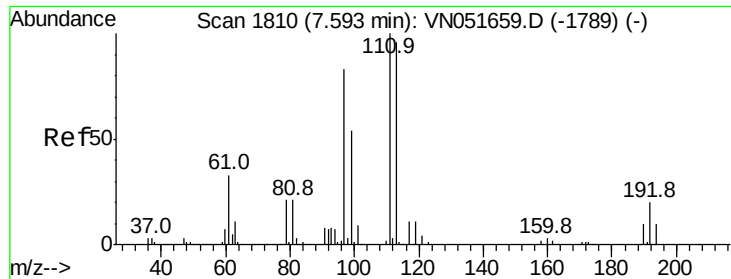
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051717.D
 Acq: 6 Oct 2018 4:10

Tgt Ion: 114 Resp: 980208
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.2
 88 14.6 0.0 30.2





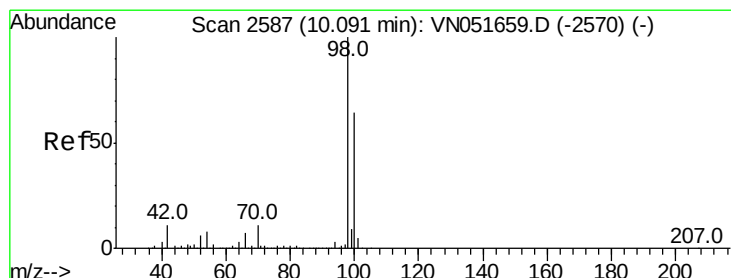
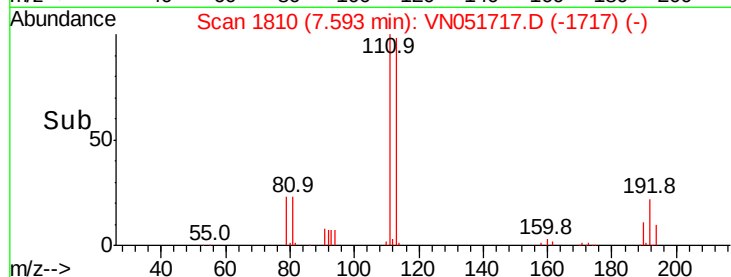
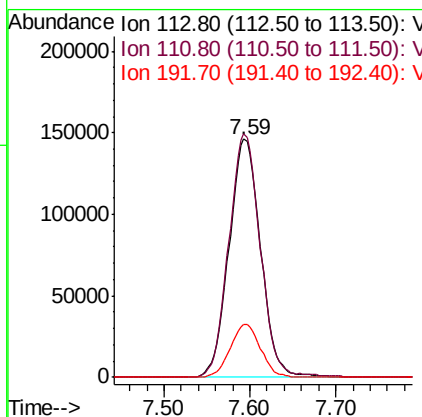
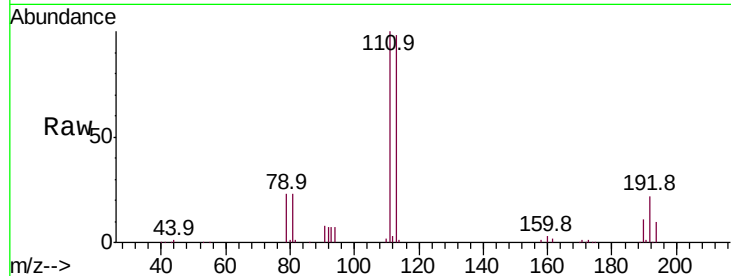
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051717.D
Acq: 6 Oct 2018 4:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	21.4	16.5	24.7

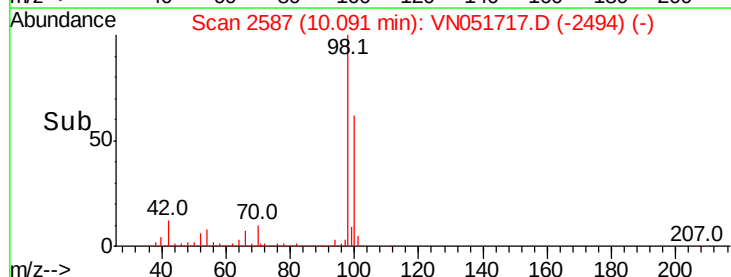
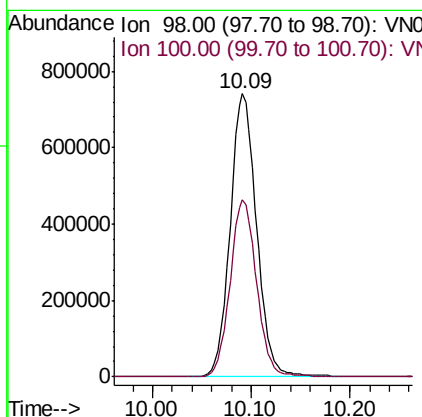
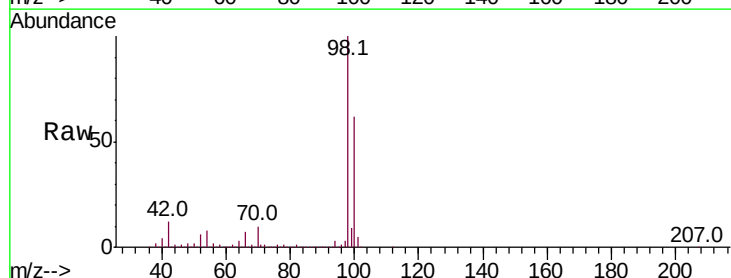
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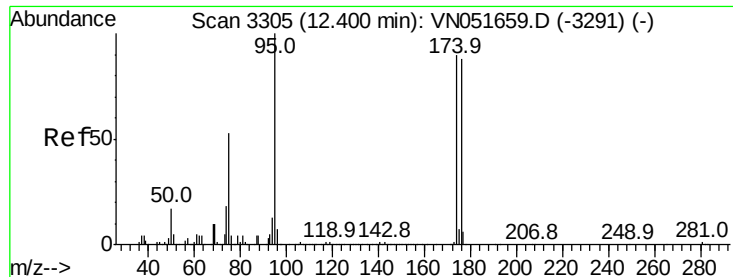
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051717.D
Acq: 6 Oct 2018 4:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.5	77.3





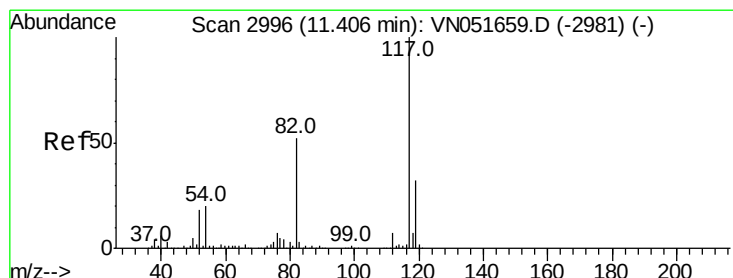
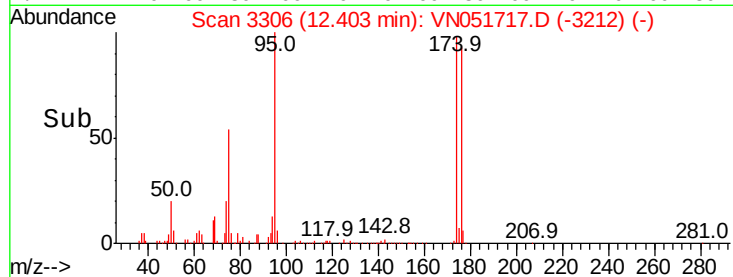
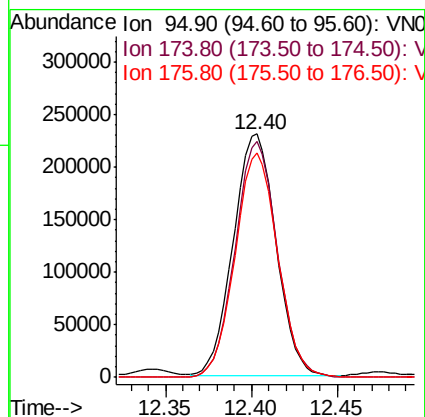
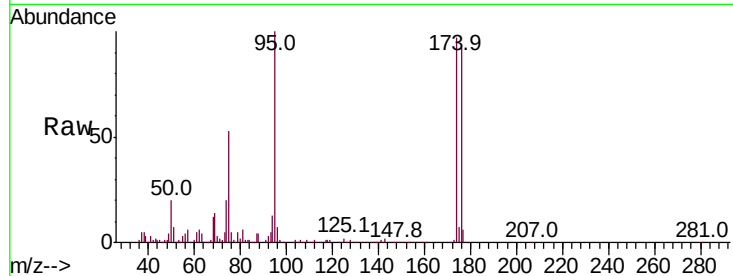
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051717.D
Acq: 6 Oct 2018 4:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	96.0	0.0	182.8	
176	92.2	0.0	176.4	

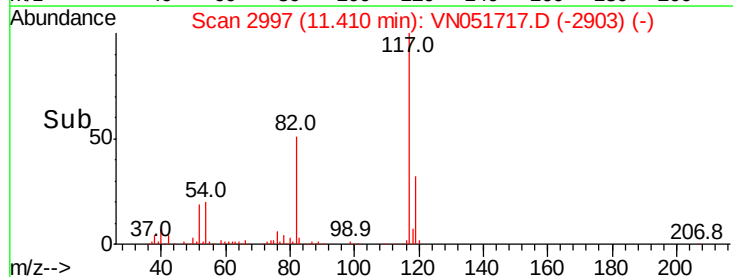
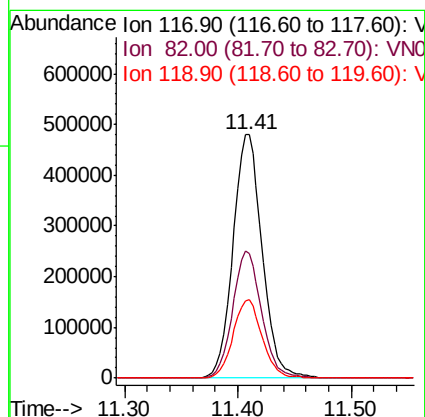
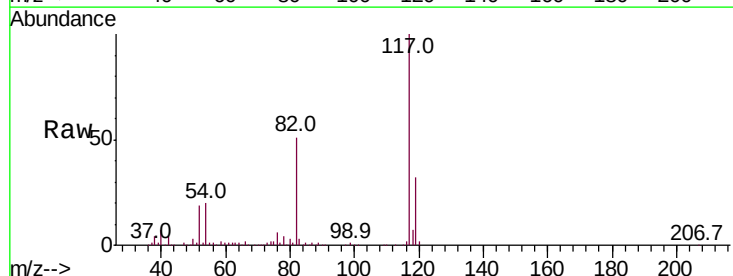
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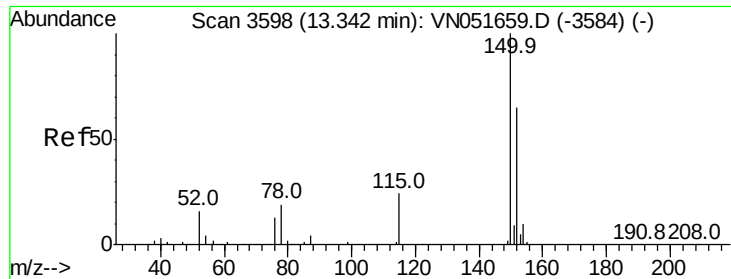
MMDadoda
10/8/2018 12:50:14 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051717.D
Acq: 6 Oct 2018 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	50.8	41.3	61.9	
119	32.1	25.9	38.9	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051717.D

Acq: 6 Oct 2018 4:10

Instrument :

MSVOA_N

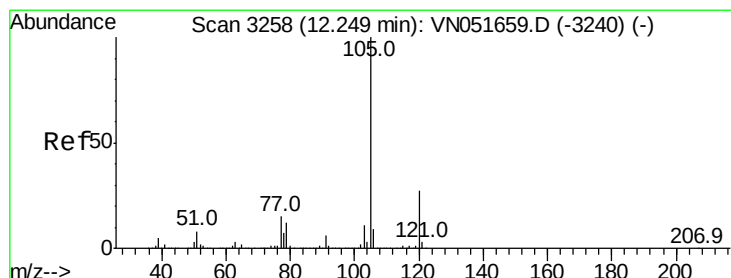
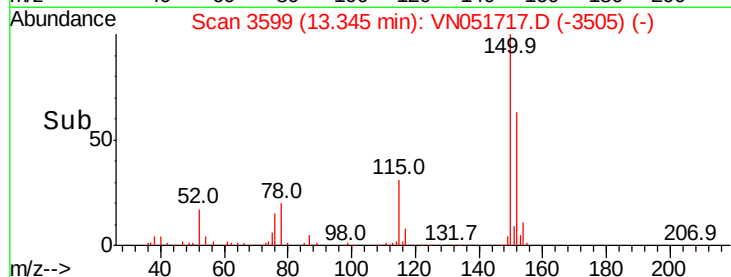
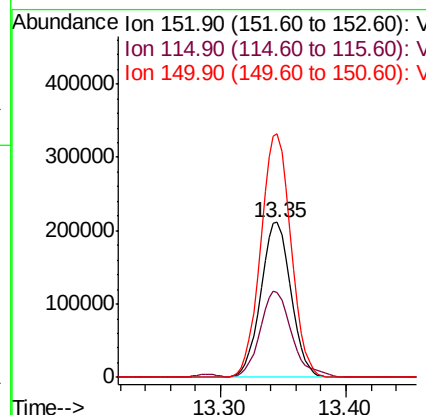
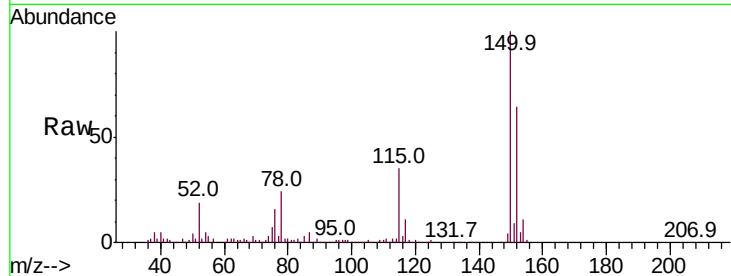
ClientSampleId :

EP1-MW-H-092718(7-10)

Tot Ion:	152	Resp:	355039
Ion Ratio	Lower	Upper	
152	100		
115	58.4	28.6	85.8
150	156.9	0.0	352.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.696 ug/l

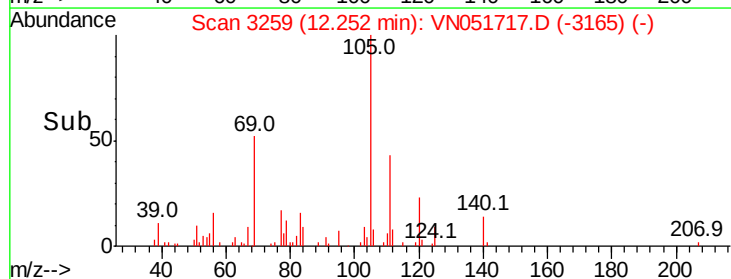
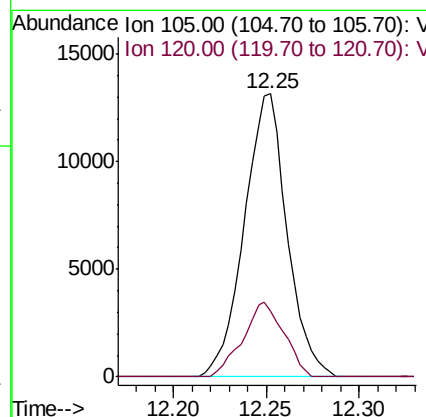
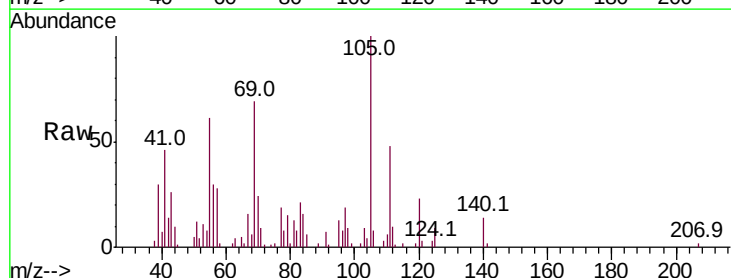
RT: 12.25 min Scan# 3259

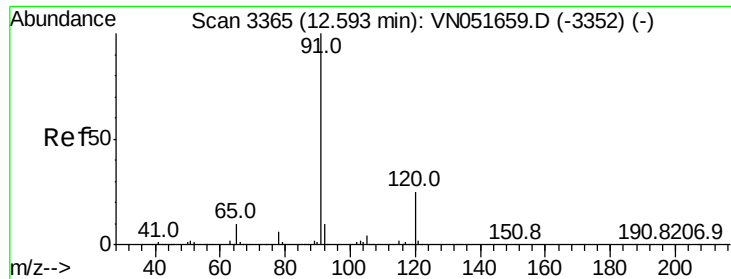
Delta R.T. 0.00 min

Lab File: VN051717.D

Acq: 6 Oct 2018 4:10

Tgt Ion:	105	Resp:	21064
Ion Ratio	Lower	Upper	
105	100		
120	25.3	13.9	41.6





#78

n-propylbenzene

Concen: 2.040 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051717.D

Acq: 6 Oct 2018 4:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)

Tot Ion: 91 Resp: 67349

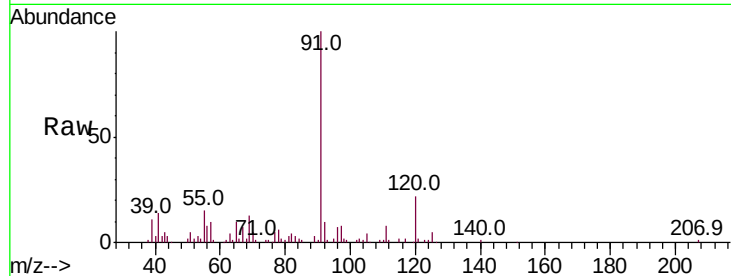
Ion Ratio Lower Upper

91 100

120 23.6 12.4 37.2

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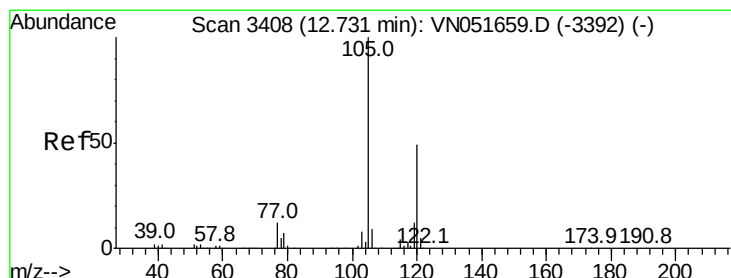
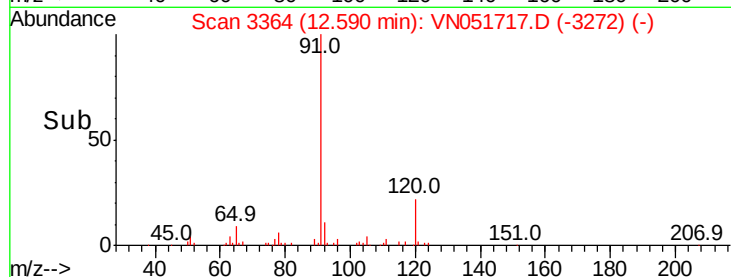


Abundance Ion 91.00 (90.70 to 91.70): VN051717.D (-3364) (-)

Ion 120.00 (119.70 to 120.70): VN051717.D (-3364) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.456 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051717.D

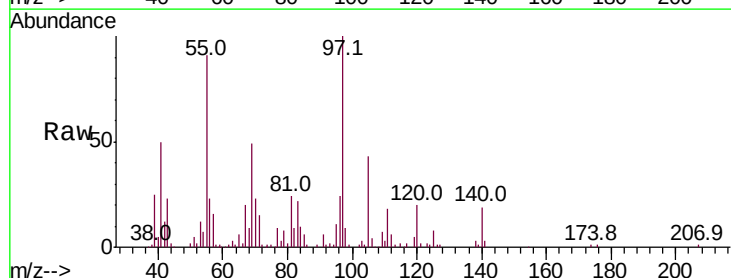
Acq: 6 Oct 2018 4:10

Tgt Ion: 105 Resp: 37148

Ion Ratio Lower Upper

105 100

120 46.3 24.6 74.0

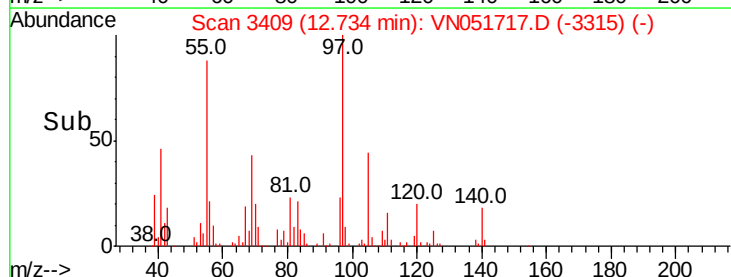


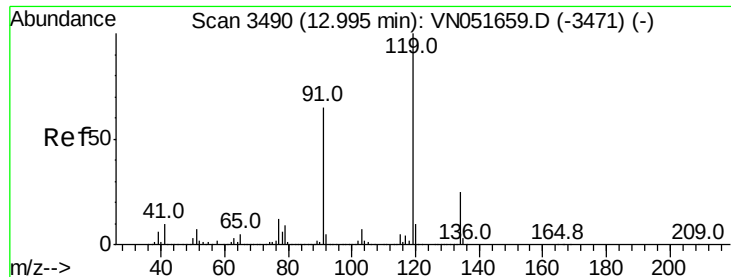
Abundance Ion 105.00 (104.70 to 105.70): VN051717.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN051717.D (-3408) (-)

12.73

Time-->





#83

tert-Butylbenzene

Concen: 0.409 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051717.D

Acq: 6 Oct 2018 4:10

Instrument :

MSVOA_N

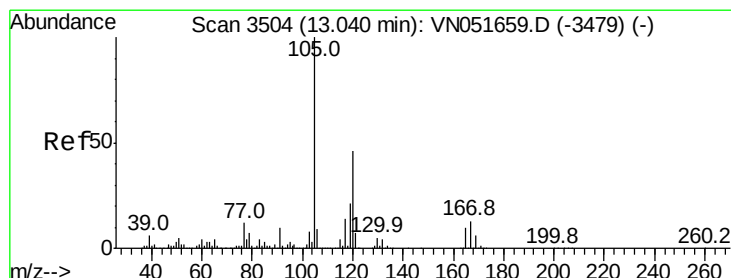
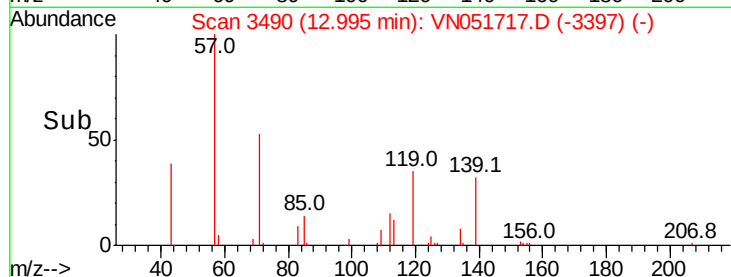
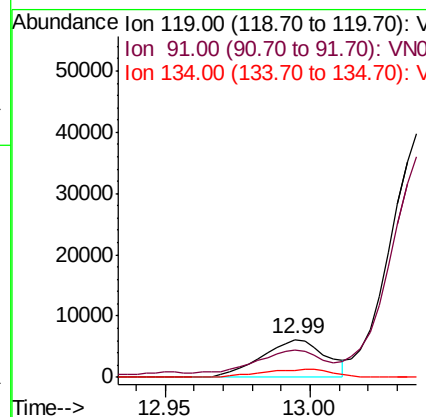
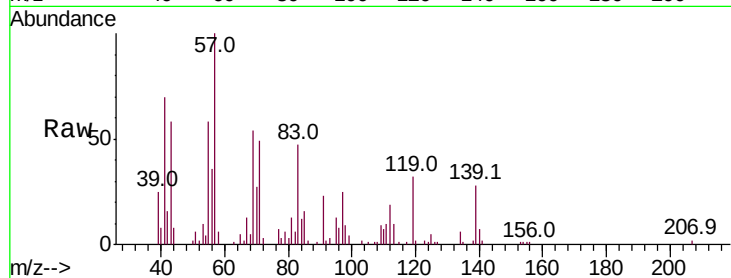
ClientSampleId :

EP1-MW-H-092718(7-10)

Tot Ion:	119	Resp:	9353
Ion Ratio	Lower	Upper	
119	100		
91	57.6	32.1	96.5
134	23.9	13.3	39.9

Manual Integrations
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10/8/2018 12:50:14 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.200 ug/l

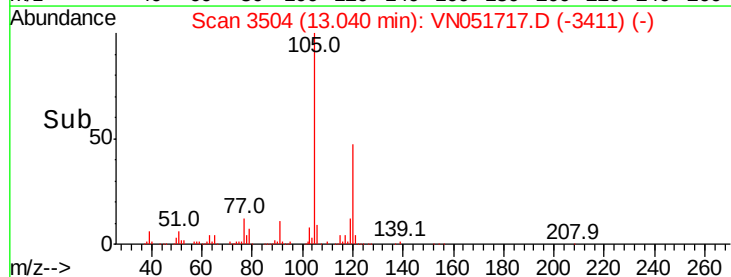
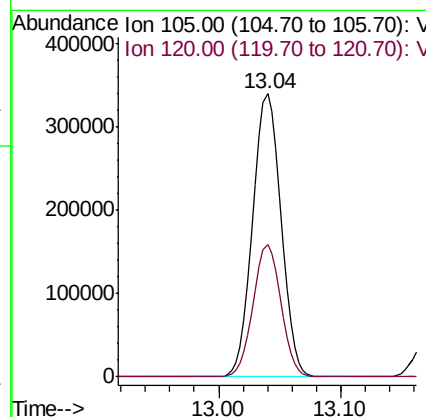
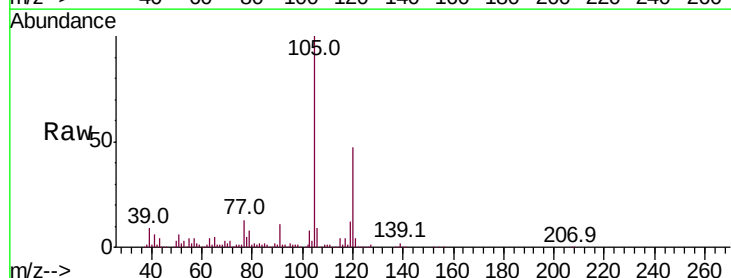
RT: 13.04 min Scan# 3504

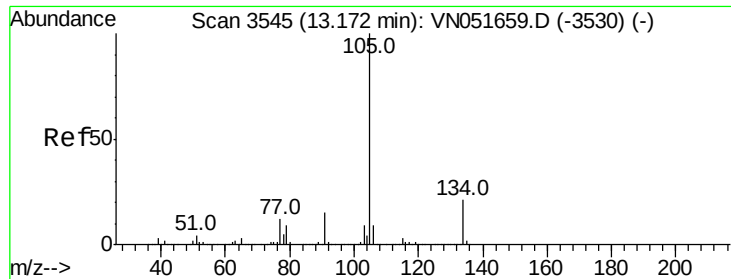
Delta R.T. 0.00 min

Lab File: VN051717.D

Acq: 6 Oct 2018 4:10

Tgt Ion:	105	Resp:	541615
Ion Ratio	Lower	Upper	
105	100		
120	45.9	22.9	68.7





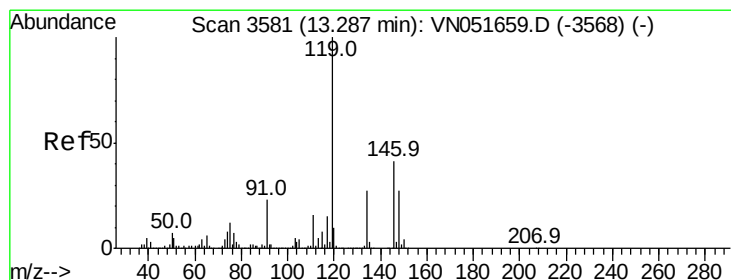
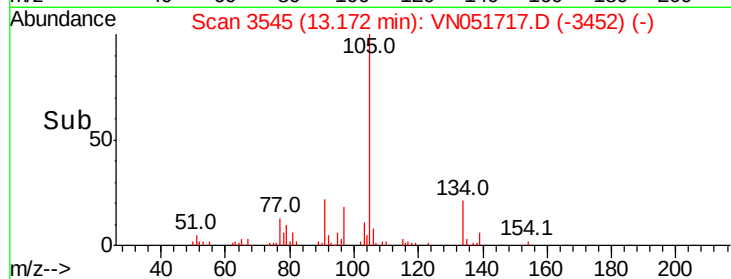
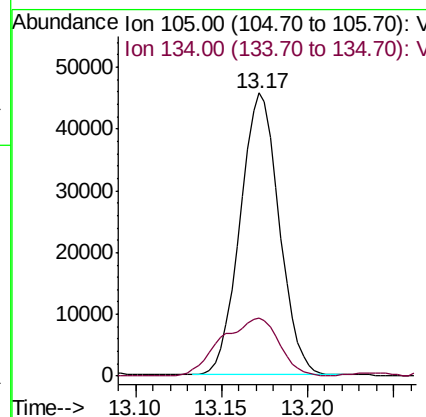
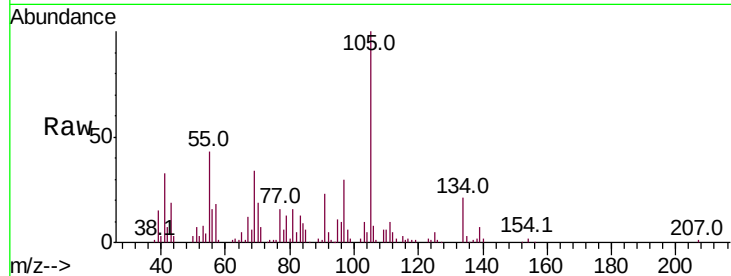
#85
 sec-Butylbenzene
 Concen: 2.390 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051717.D
 Acq: 6 Oct 2018 4:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)

Tot Ion	Ratio	Lower	Upper
105	100		
134	30.5	10.5	31.6

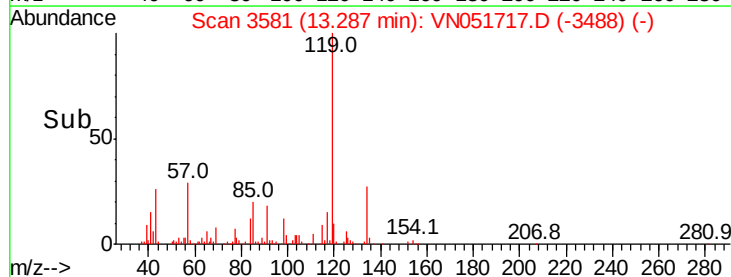
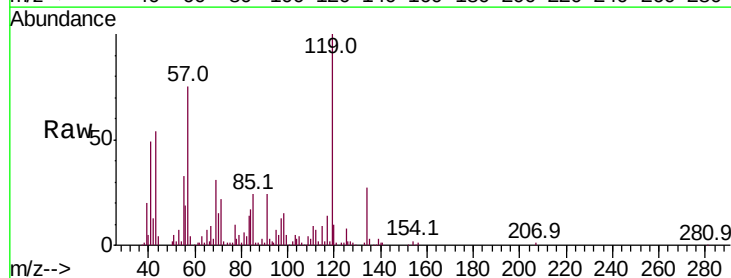
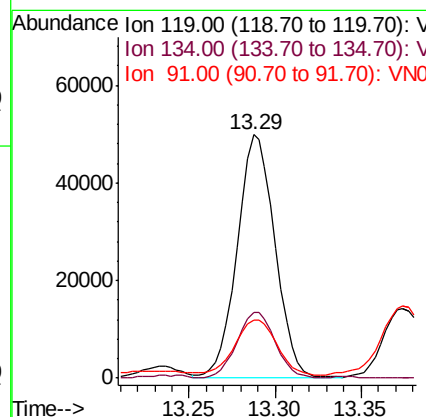
Manual Integrations
 APPROVED

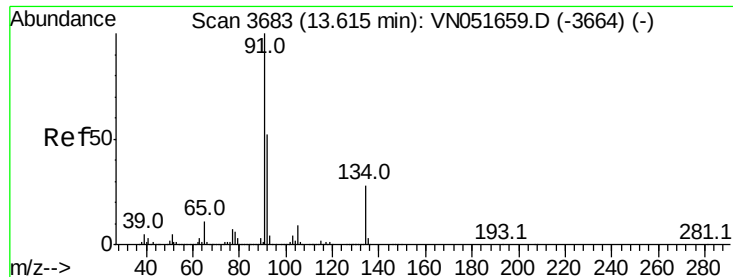
MMDadoda
 10/8/2018 12:50:14 PM



#86
 p-Isopropyltoluene
 Concen: 2.829 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051717.D
 Acq: 6 Oct 2018 4:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.4	40.2
91	24.9	11.7	35.1





#89
 n-Butylbenzene
 Concen: 2.522 ug/l m
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051717.D
 Acq: 6 Oct 2018 4:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.3	26.0	78.0
134	0.0	14.2	42.6#

Manual Integrations
 APPROVED

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 10/8/2018 12:50:14 PM

