

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055345.D
 Acq On : 2 May 2019 12:58
 Operator : JC/SP
 Sample : K2658-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

Manual Integrations
 APPROVED

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 5/3/2019 1:09:25 PM

Quant Time: May 03 17:26:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	337623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	235364	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	7.59	113	190358	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
50) Toluene-d8	10.09	98	729035	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	262986	60.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	67019	13.084	ug/l	99
16) Acetone	3.83	43	15465	11.237	ug/l	99
25) 2-Butanone	6.84	43	36185	20.559	ug/l	98
40) Benzene	8.04	78	16750	1.007	ug/l	96
64) Tetrachloroethene	10.63	164	3431	0.763	ug/l	98
67) Ethyl Benzene	11.51	91	31779	1.637	ug/l	99
68) m/p-Xylenes	11.63	106	50396	7.275	ug/l	97
69) o-Xylene	11.95	106	11097	1.616	ug/l	61
73) Isopropylbenzene	12.25	105	3113153	186.116	ug/l	100
78) n-propylbenzene	12.59	91	912891	40.320	ug/l	99
83) tert-Butylbenzene	12.99	119	324290	25.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	15402774	996.688	ug/l	97
85) sec-Butylbenzene	13.17	105	1350527	71.908	ug/l #	77
86) p-Isopropyltoluene	13.29	119	670341	43.425	ug/l	100
89) n-Butylbenzene	13.61	91	314969m	28.714	ug/l	
95) Naphthalene	15.13	128	119940	21.602	ug/l	99

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

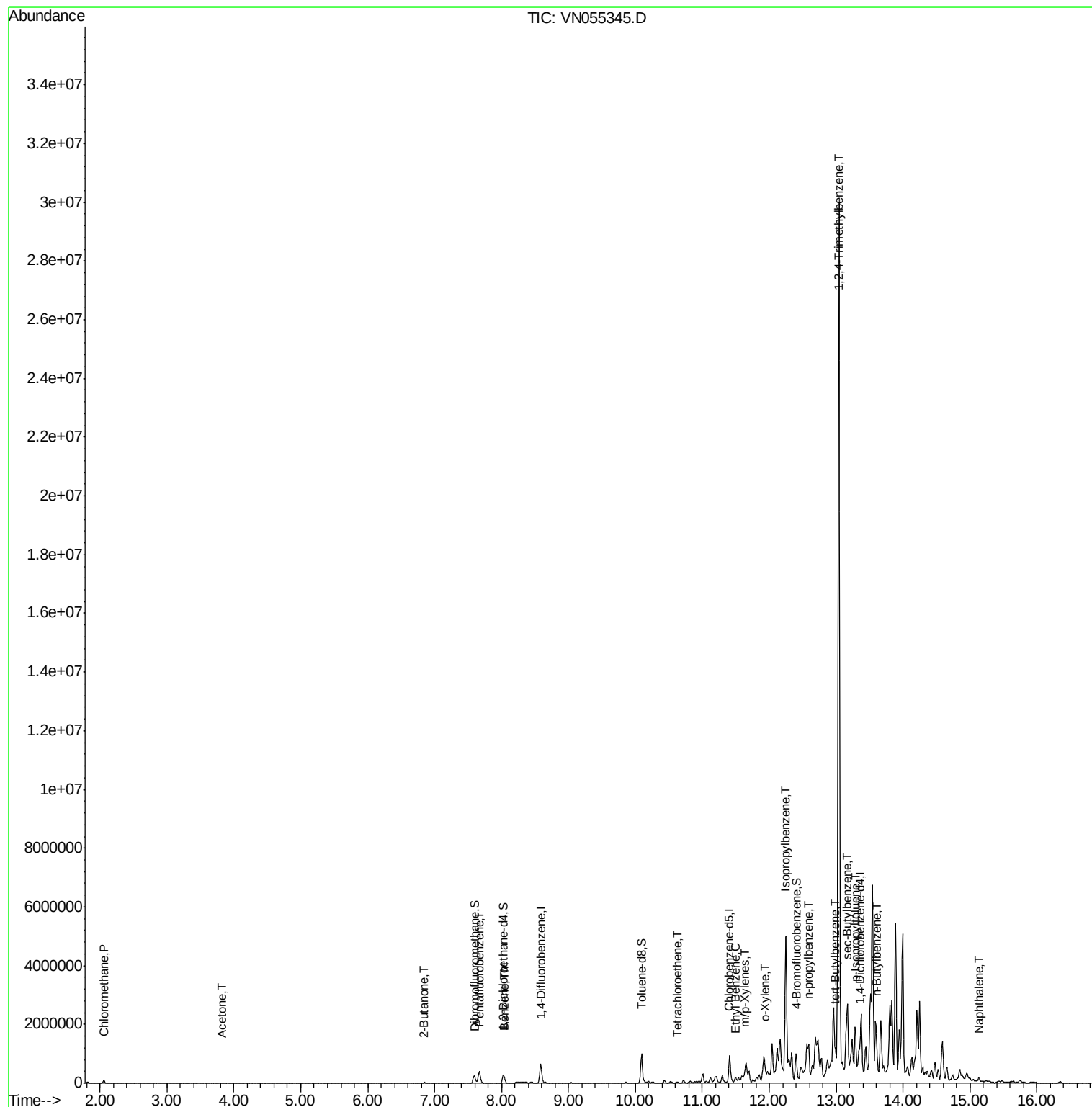
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Data File : VN055345.D
Acq On : 2 May 2019 12:58
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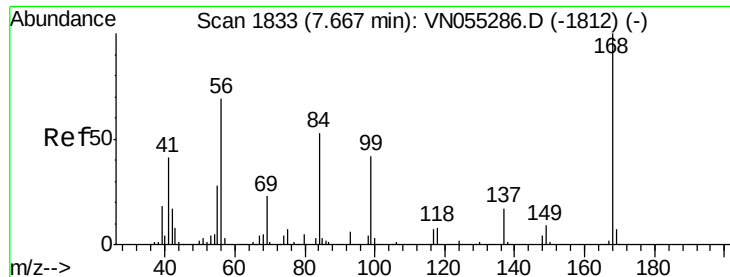
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

Manual Integrations
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Quant Time: May 03 17:26:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
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: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

Tgt Ion:168 Resp: 337623

Ion Ratio Lower Upper

168 100

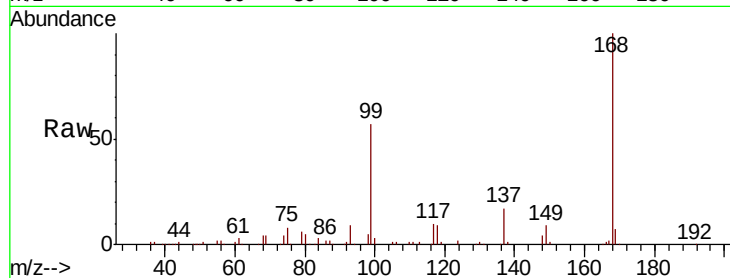
99 56.8 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

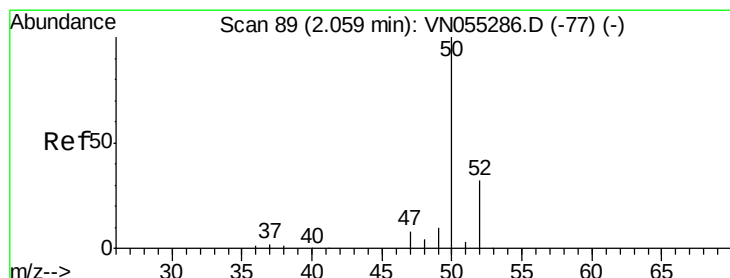
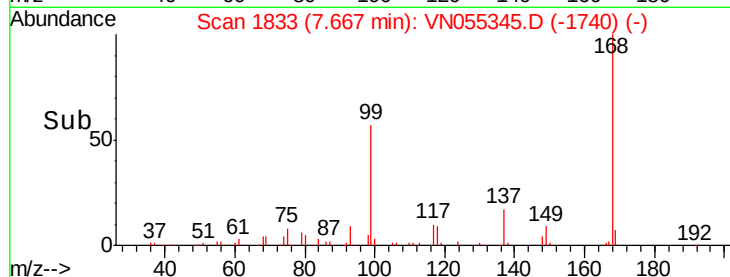
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50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 13.084 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055345.D

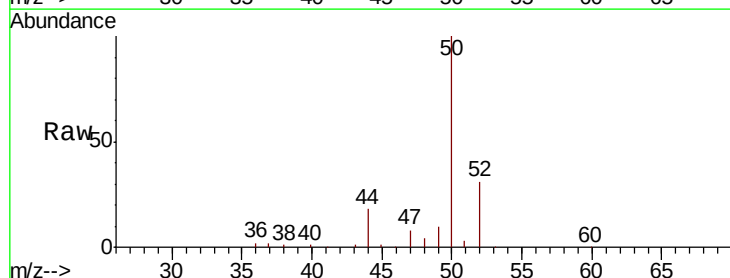
Acq: 2 May 2019 12:58

Tgt Ion: 50 Resp: 67019

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

50000

40000

30000

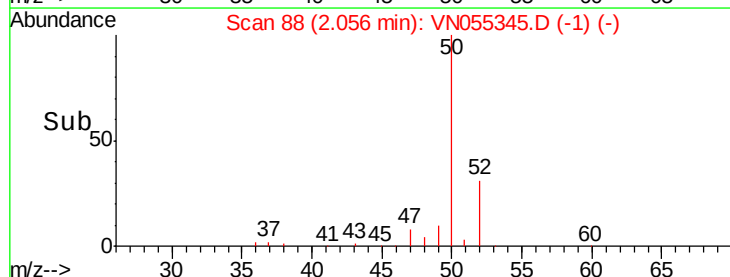
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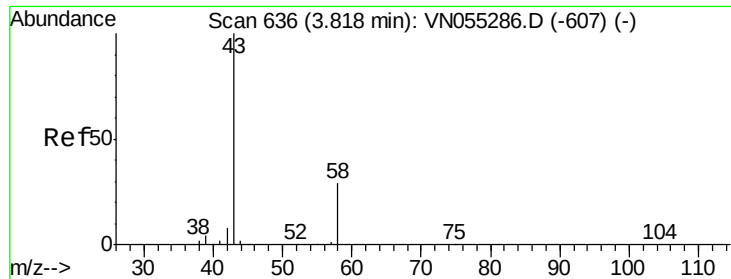
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0

2.00 2.05 2.10

Time-->





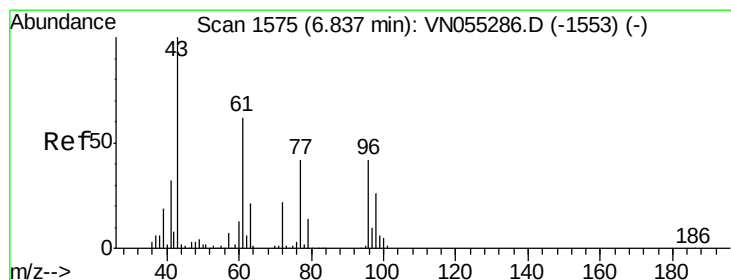
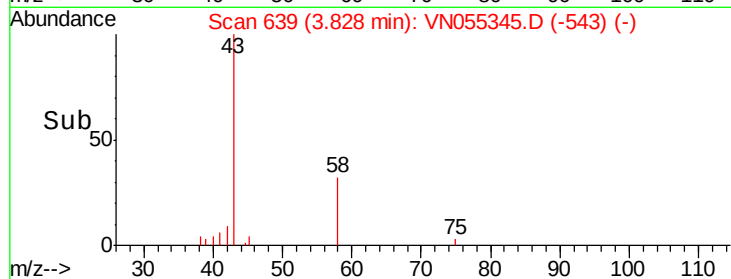
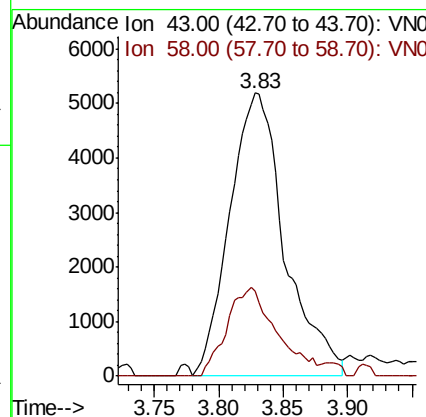
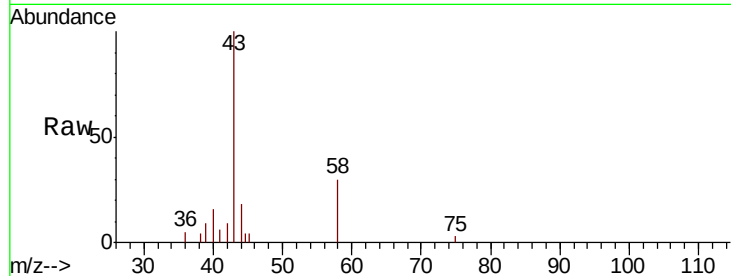
#16
Acetone
Concen: 11.237 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

Tgt Ion: 43 Resp: 15465
Ion Ratio Lower Upper
43 100
58 30.2 23.6 35.4

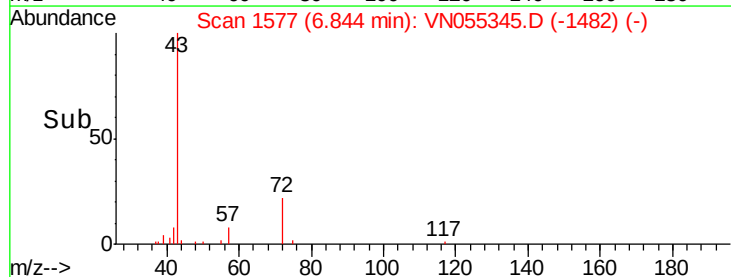
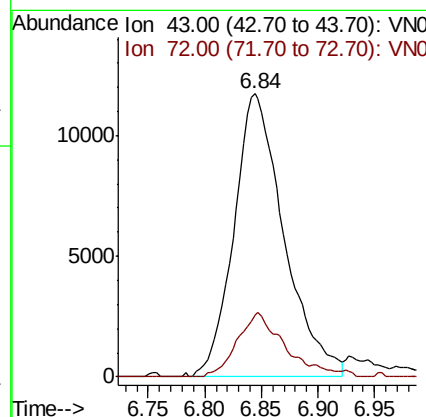
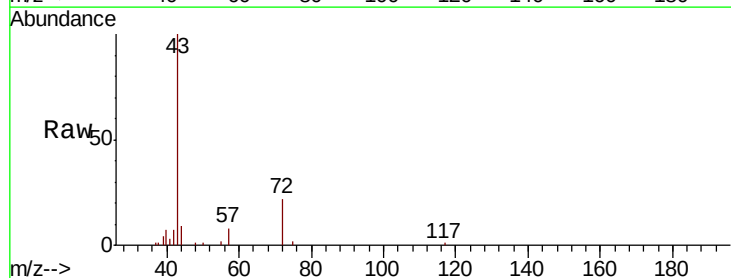
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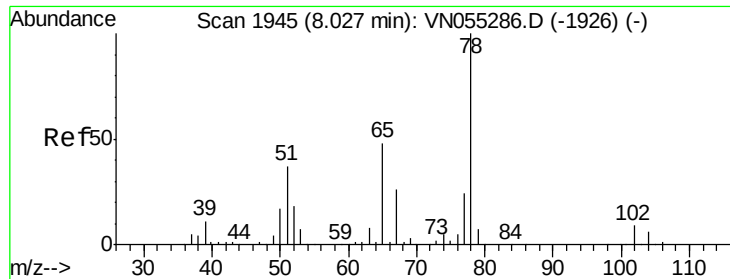
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#25
2-Butanone
Concen: 20.559 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 36185
Ion Ratio Lower Upper
43 100
72 21.7 18.0 27.0





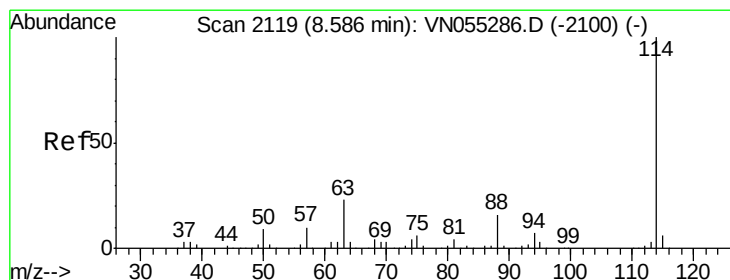
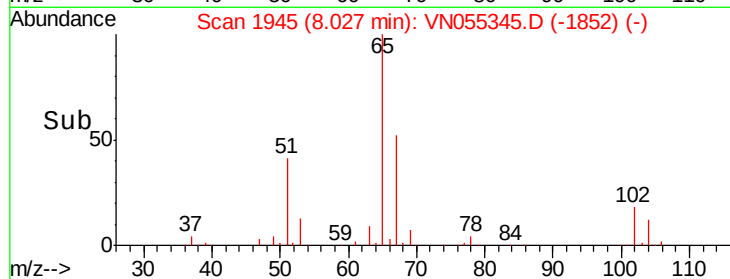
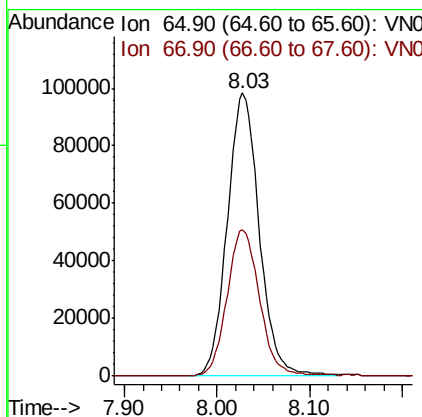
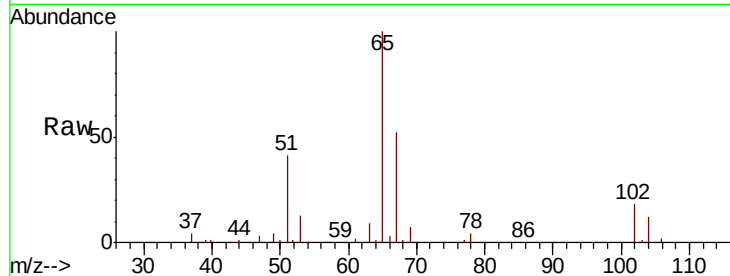
#33
 1,2-Dichloroethane-d4
 Concen: 53.287 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-FD-01

Tgt Ion: 65 Resp: 235364
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8

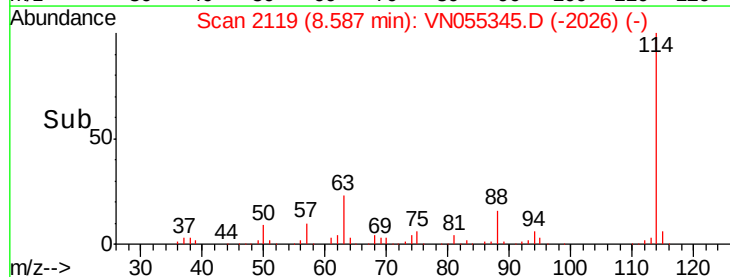
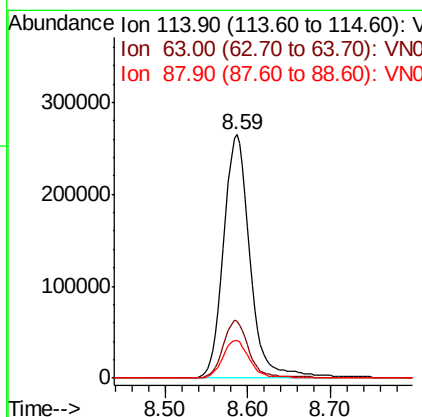
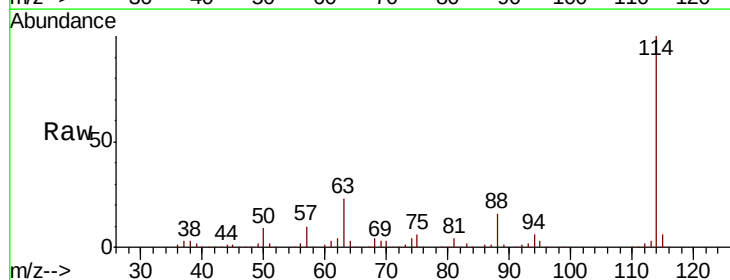
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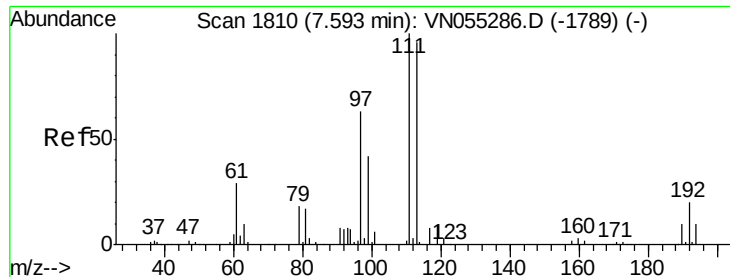
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion: 114 Resp: 588856
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.2
 88 15.6 0.0 31.6





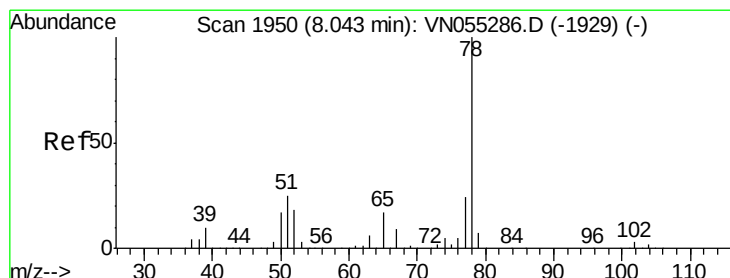
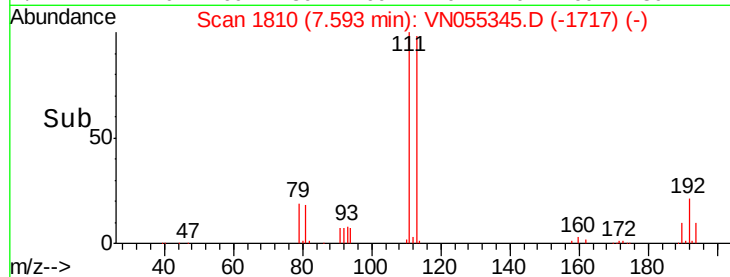
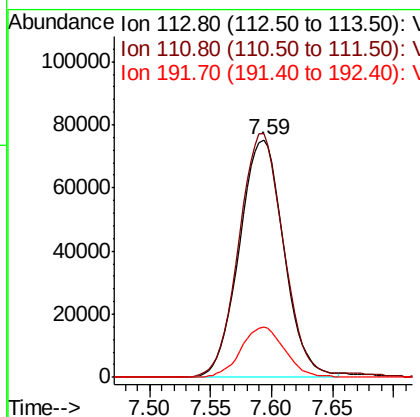
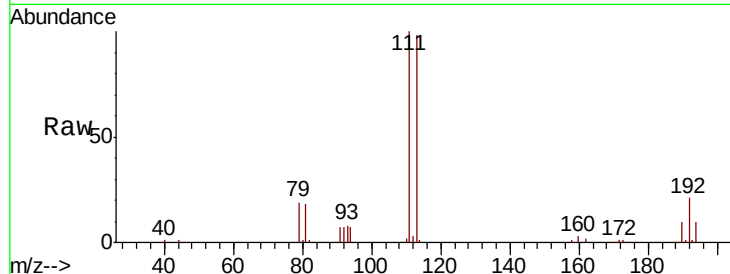
#35
 Dibromofluoromethane
 Concen: 49.251 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-FD-01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	190358		
111	102.9	82.3	123.5	
192	21.0	17.0	25.6	

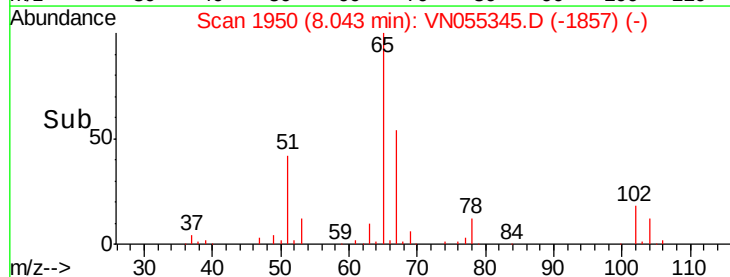
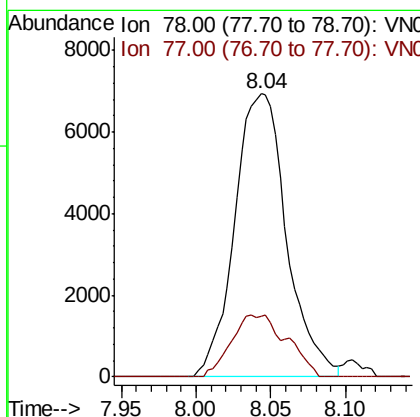
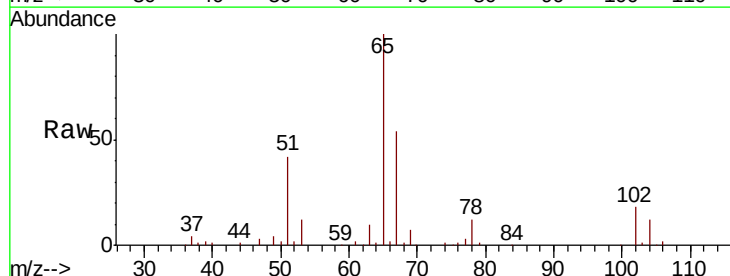
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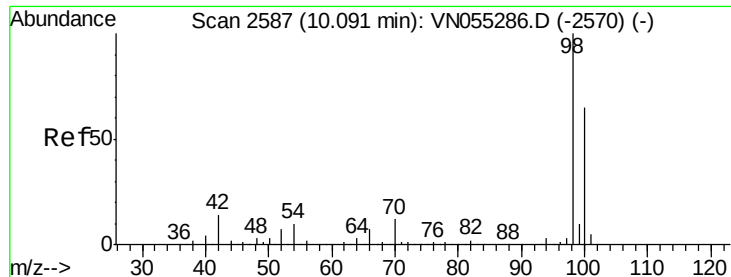
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#40
 Benzene
 Concen: 1.007 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	16750		
77	21.6	19.0	28.6	





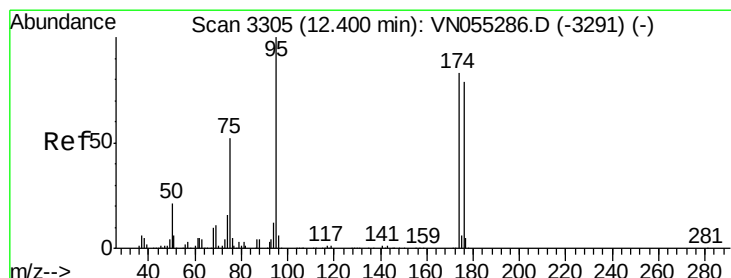
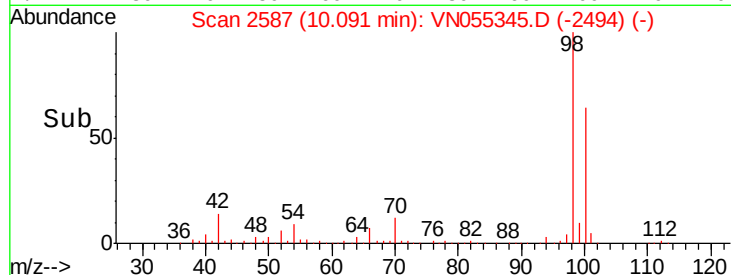
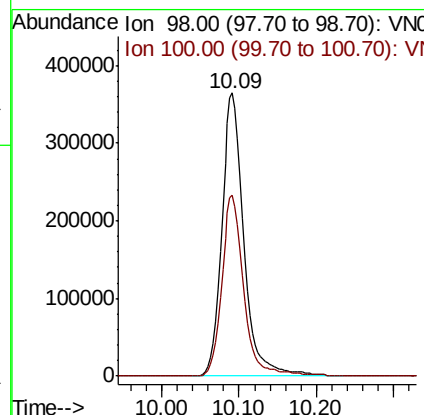
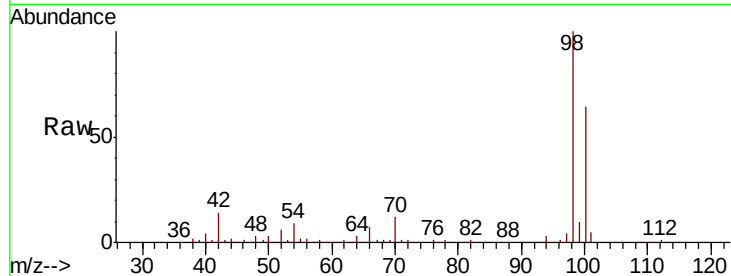
#50
Toluene-d8
Concen: 52.237 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

Tgt Ion: 98 Resp: 729035
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

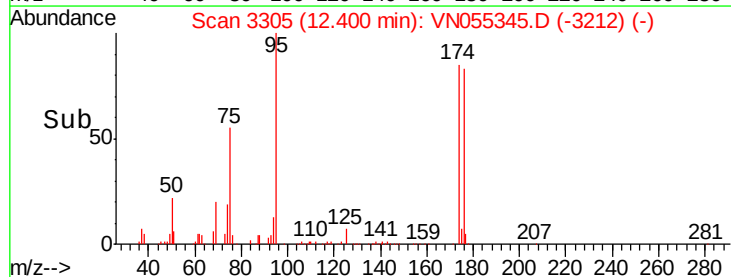
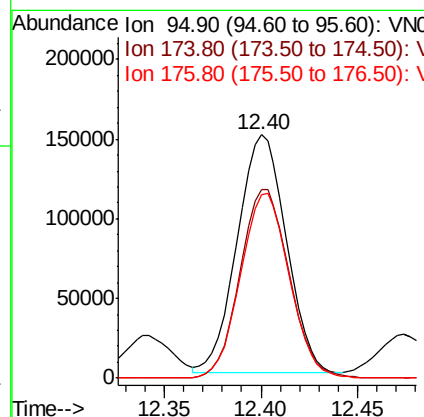
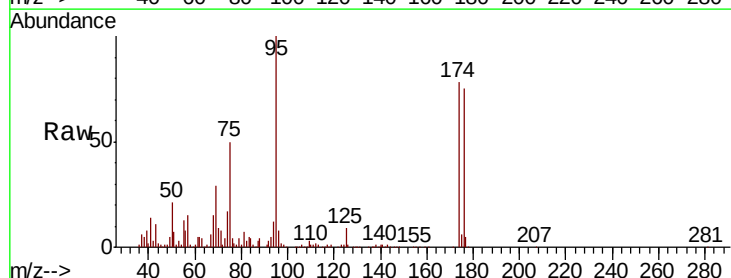
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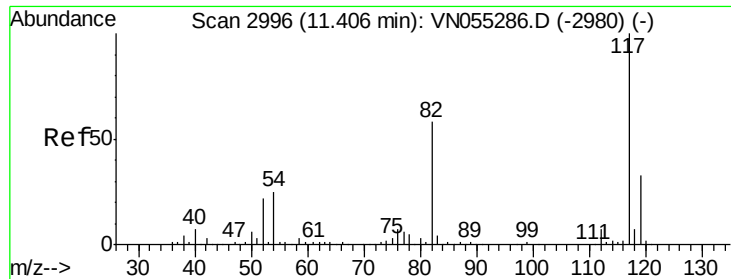
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#62
4-Bromofluorobenzene
Concen: 60.292 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 95 Resp: 262986
Ion Ratio Lower Upper
95 100
174 79.9 0.0 166.6
176 77.6 0.0 157.8





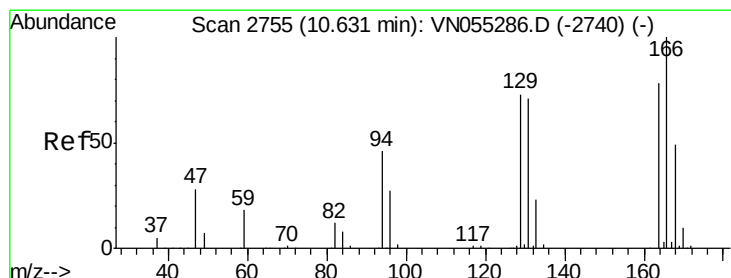
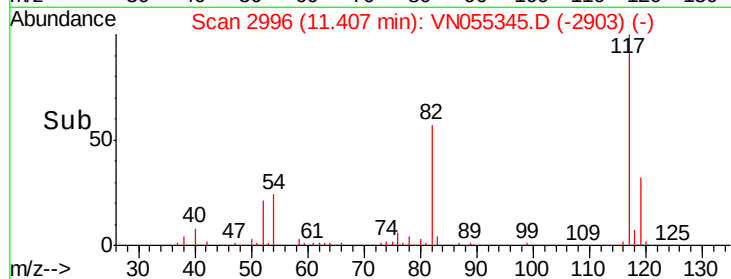
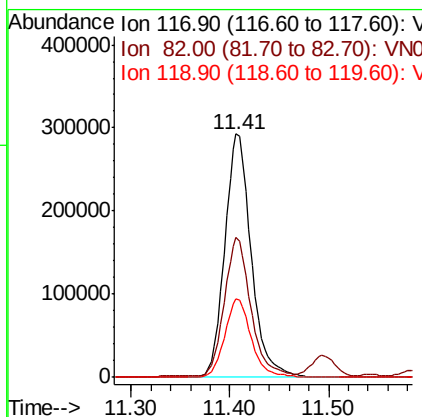
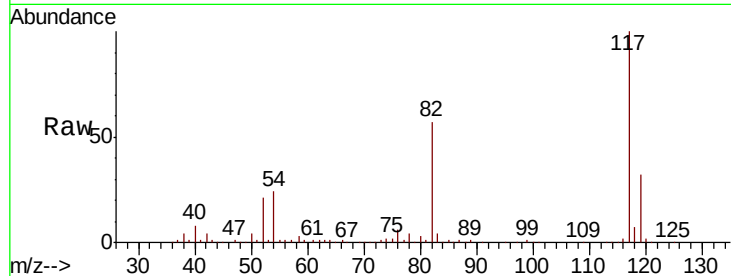
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	549703		
82	56.8	46.2	69.4	
119	32.4	26.6	40.0	

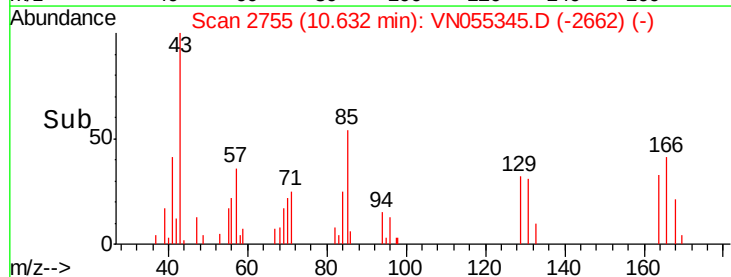
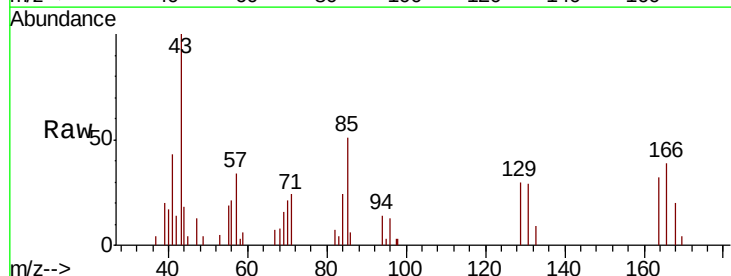
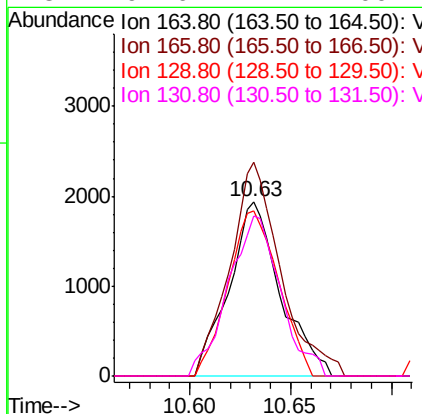
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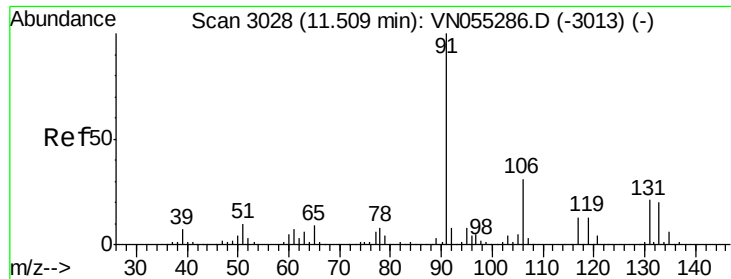
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#64
Tetrachloroethene
Concen: 0.763 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3431		
166	122.2	102.3	153.5	
129	94.7	75.0	112.6	
131	91.6	72.7	109.1	





#67

Ethyl Benzene

Concen: 1.637 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

Tgt Ion: 91 Resp: 31779

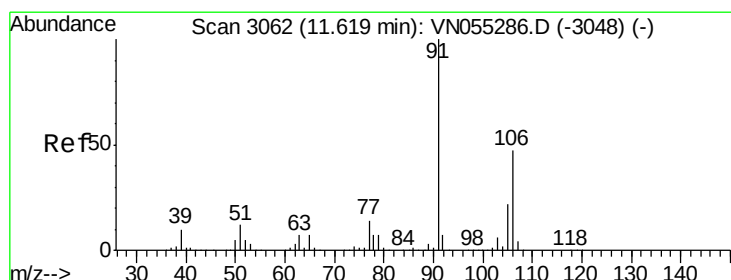
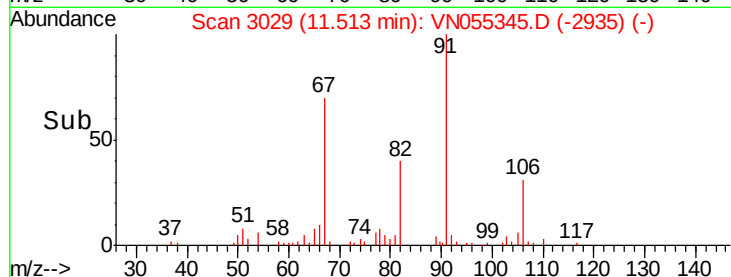
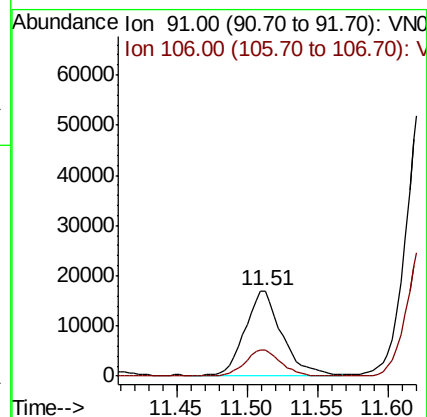
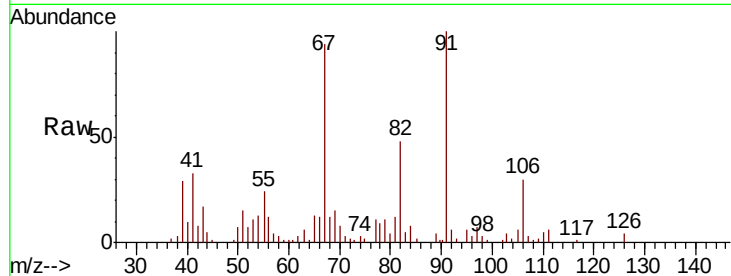
Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8

Manual Integrations
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5/3/2019 1:09:25 PM



#68

m/p-Xylenes

Concen: 7.275 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN055345.D

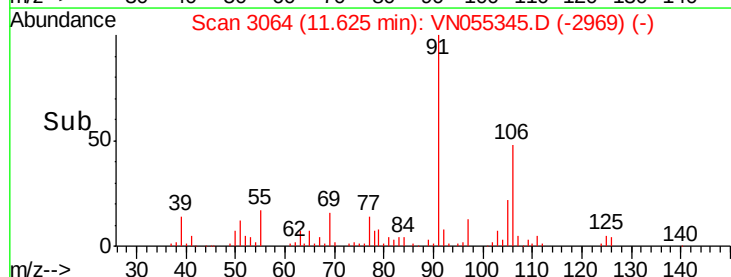
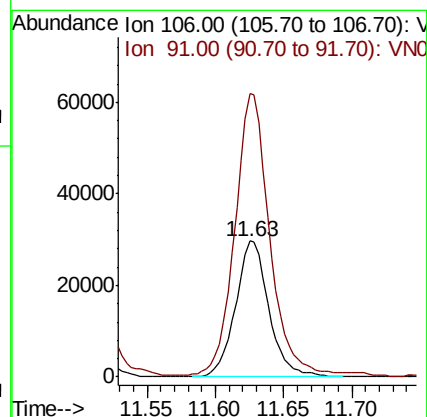
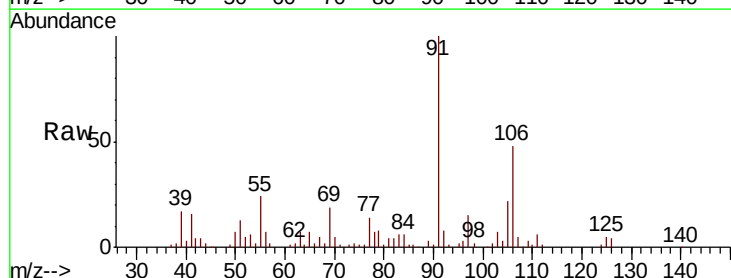
Acq: 2 May 2019 12:58

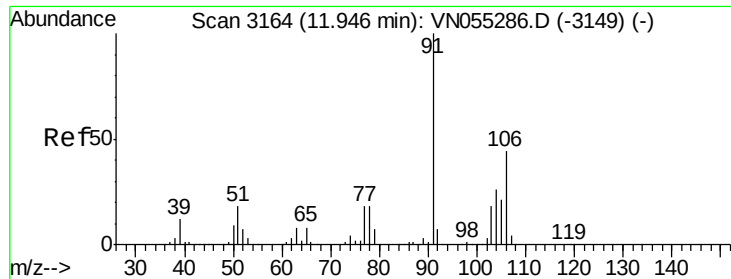
Tgt Ion: 106 Resp: 50396

Ion Ratio Lower Upper

106 100

91 215.9 169.5 254.3





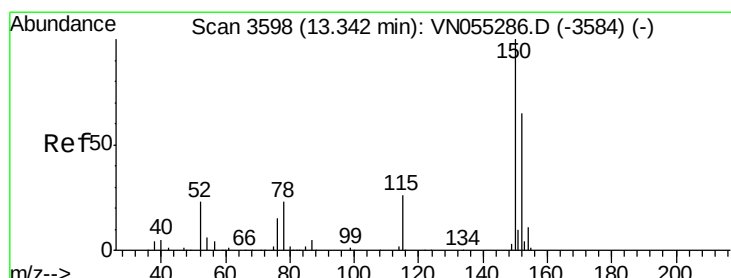
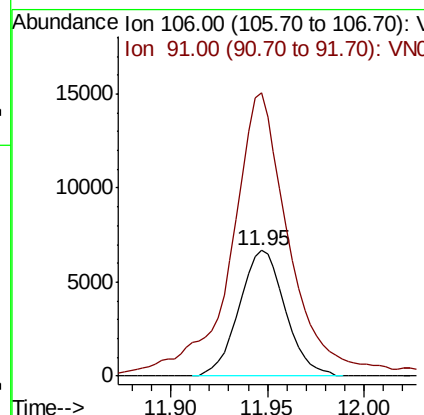
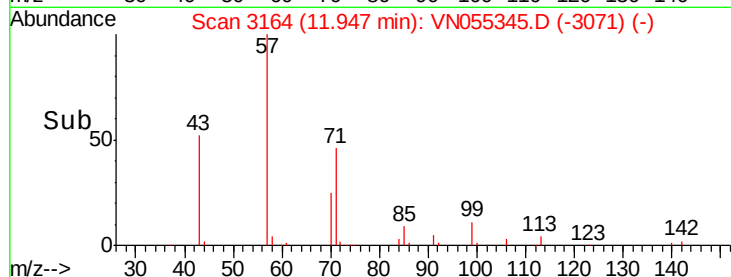
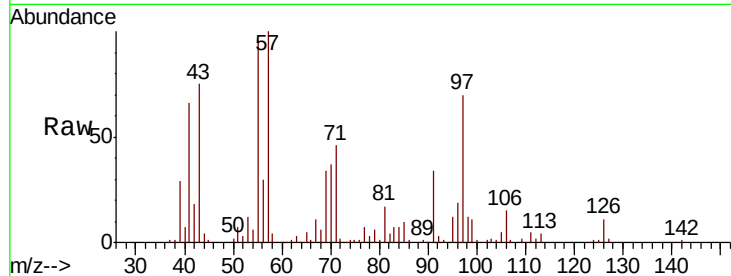
#69
o-Xylene
Concen: 1.616 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

Tgt Ion:106 Resp: 11097
Ion Ratio Lower Upper
106 100
91 286.2 111.5 334.5

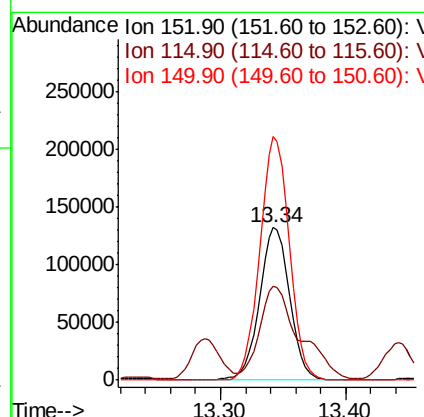
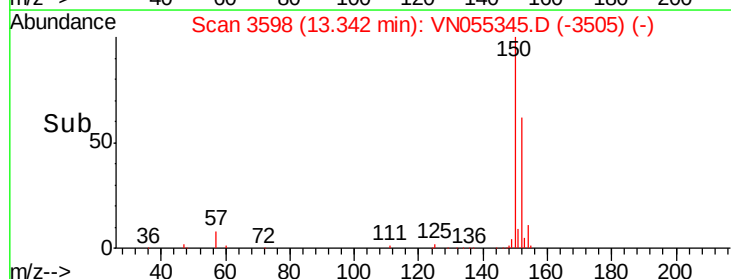
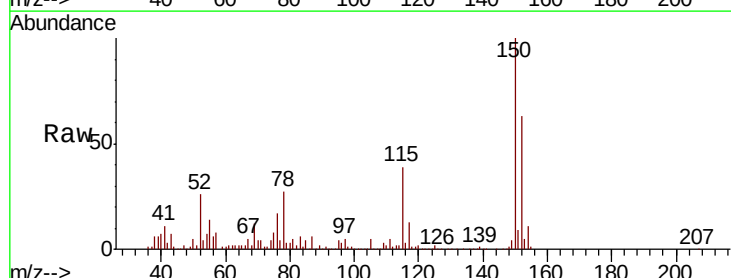
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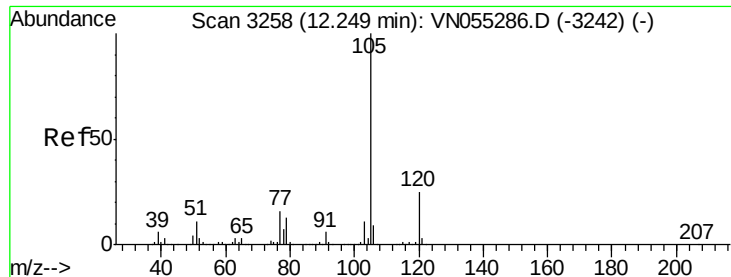
MMDadoda
5/3/2019 1:09:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion:152 Resp: 220412
Ion Ratio Lower Upper
152 100
115 80.4 29.0 87.0
150 156.5 0.0 345.6





#73

Isopropylbenzene

Concen: 186.116 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

Tgt Ion: 105 Resp: 3113153

Ion Ratio Lower Upper

105 100

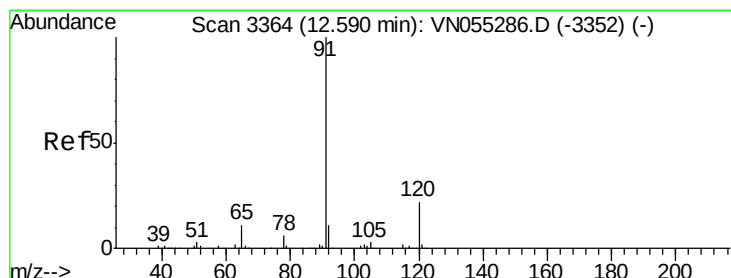
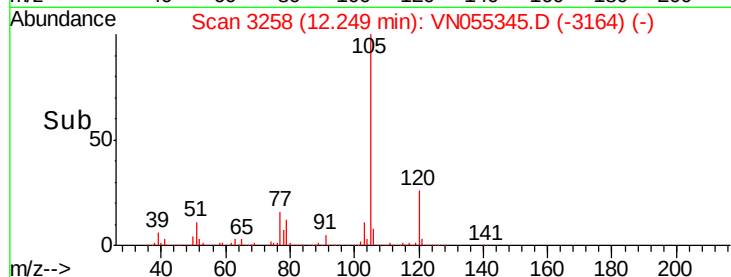
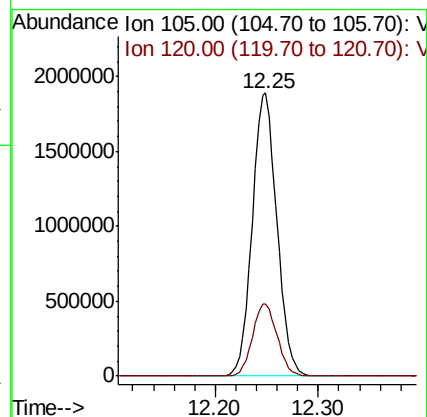
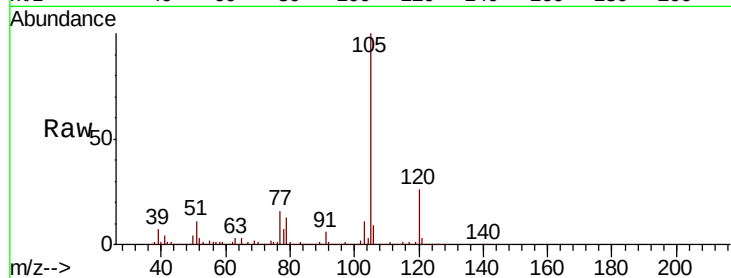
120 25.7 12.9 38.7

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5/3/2019 1:09:25 PM



#78

n-propylbenzene

Concen: 40.320 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055345.D

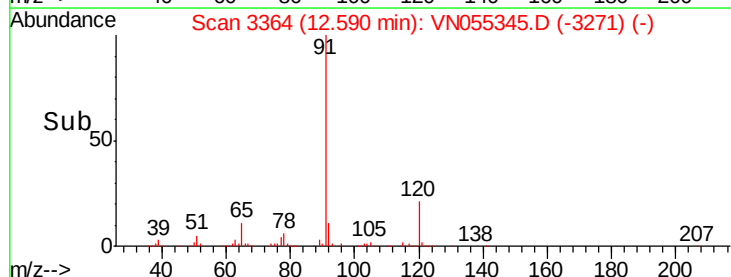
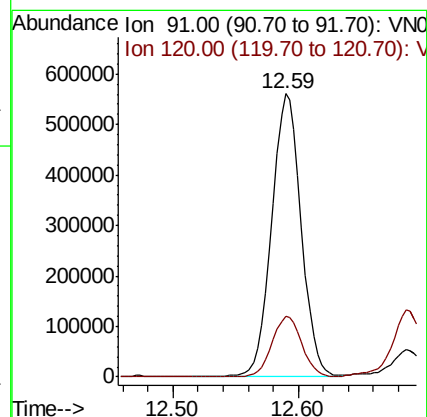
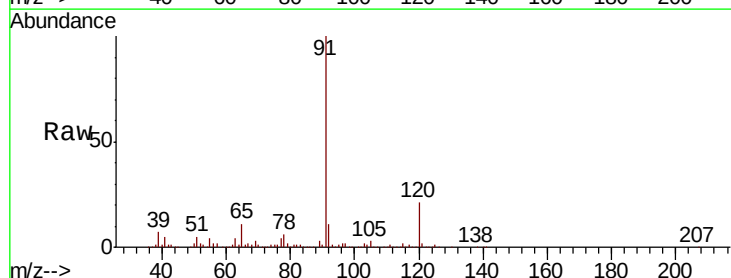
Acq: 2 May 2019 12:58

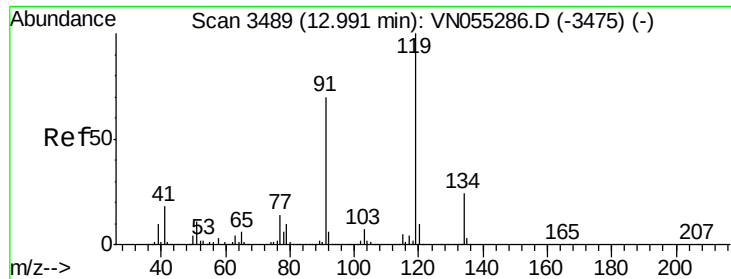
Tgt Ion: 91 Resp: 912891

Ion Ratio Lower Upper

91 100

120 21.6 11.0 33.0





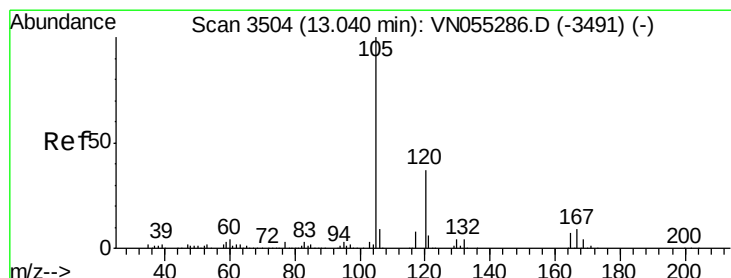
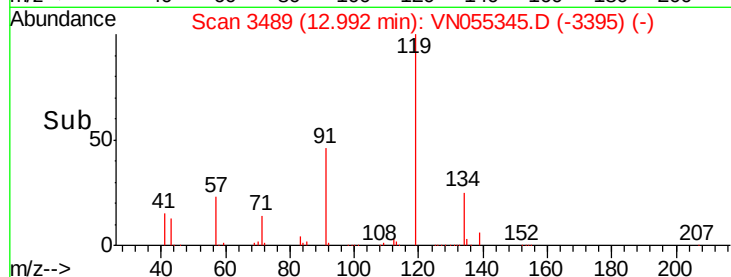
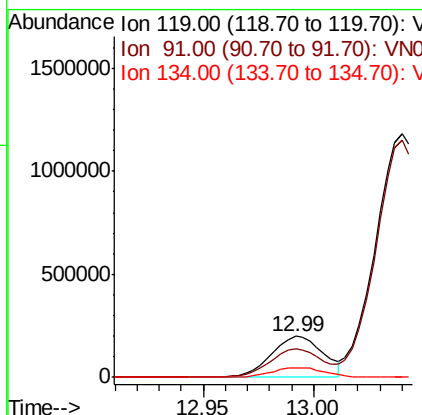
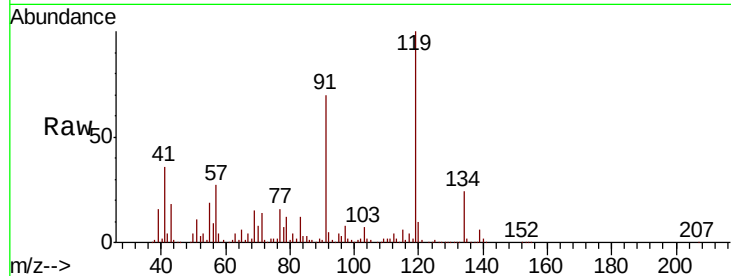
#83
 tert-Butylbenzene
 Concen: 25.063 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.6	34.3	102.9
134	24.4	13.1	39.3

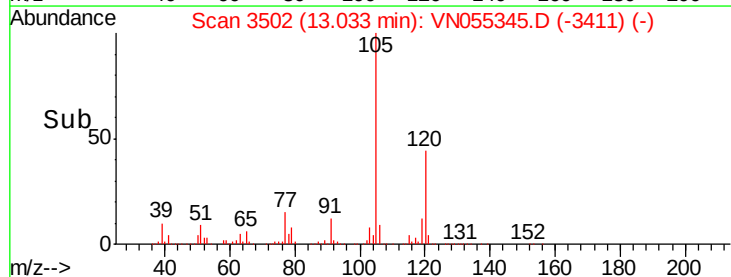
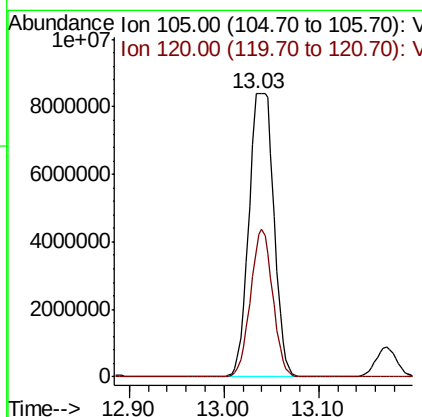
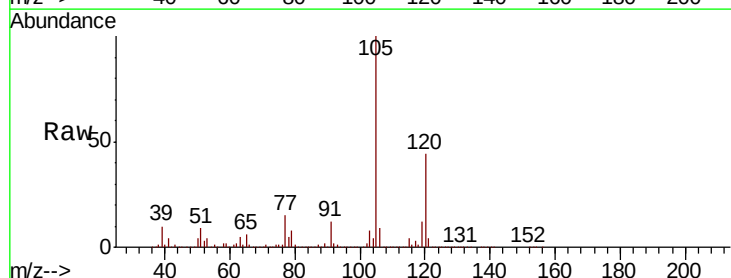
Manual Integrations
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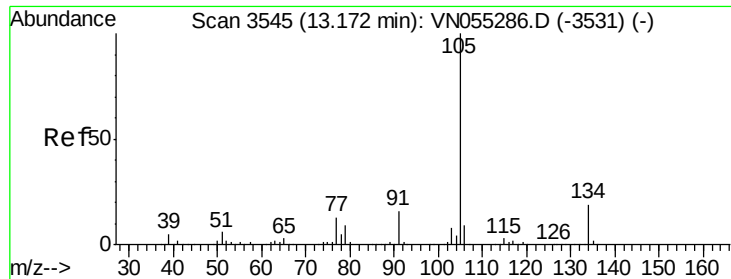
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#84
 1,2,4-Trimethylbenzene
 Concen: 996.688 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 71.908 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-FD-01

Tgt Ion:105 Resp: 1350527

Ion Ratio Lower Upper

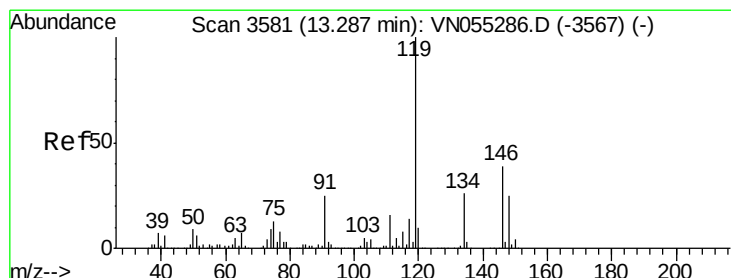
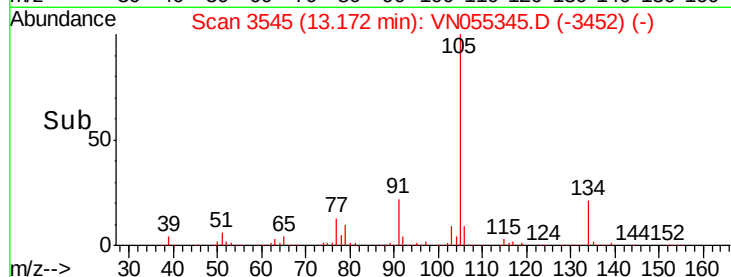
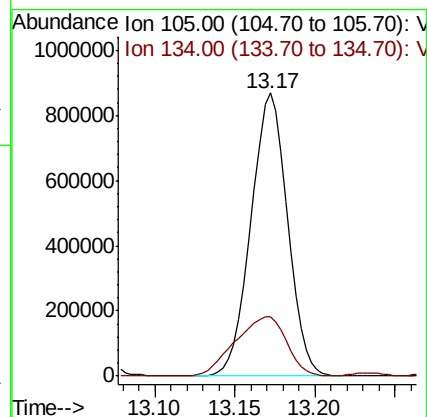
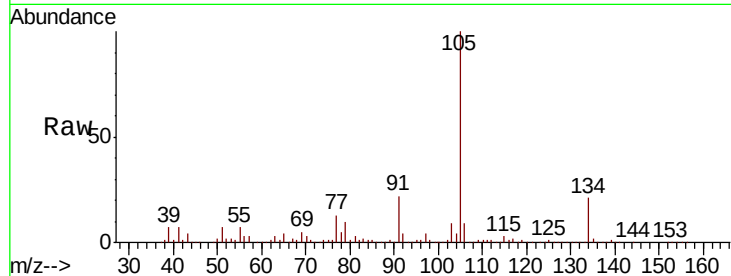
105 100

134 29.8 9.6 28.8#

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5/3/2019 1:09:25 PM



#86

p-Isopropyltoluene

Concen: 43.425 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

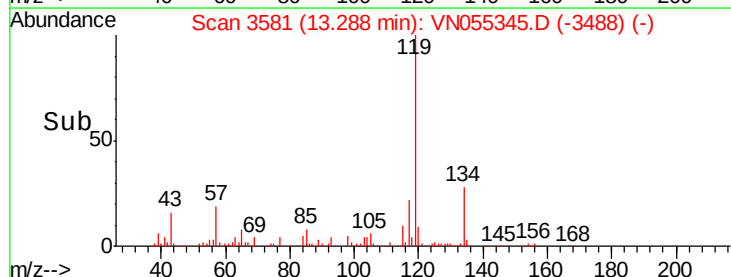
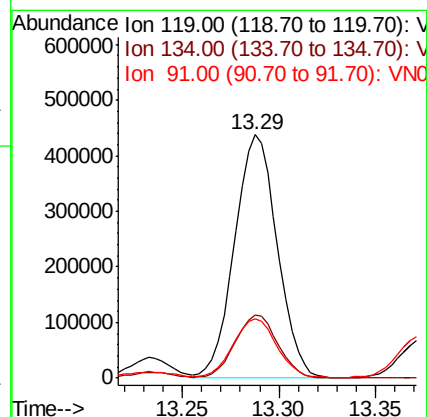
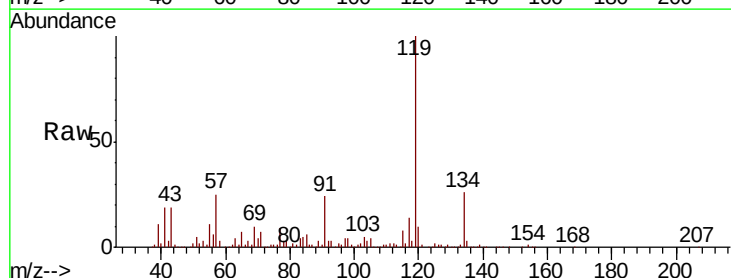
Tgt Ion:119 Resp: 670341

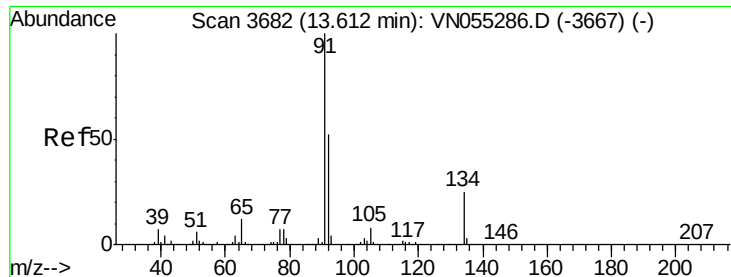
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.3 12.2 36.6





#89

n-Butylbenzene

Concen: 28.714 ug/l m

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

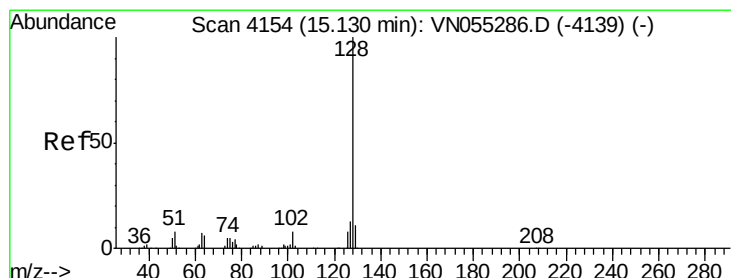
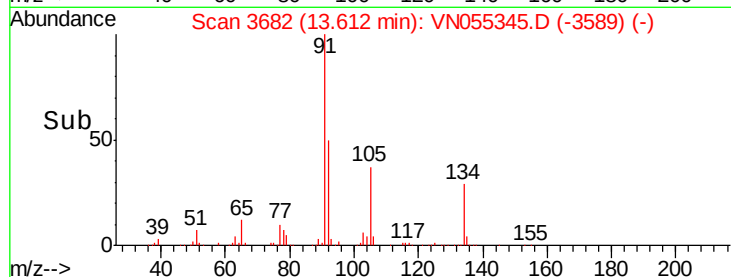
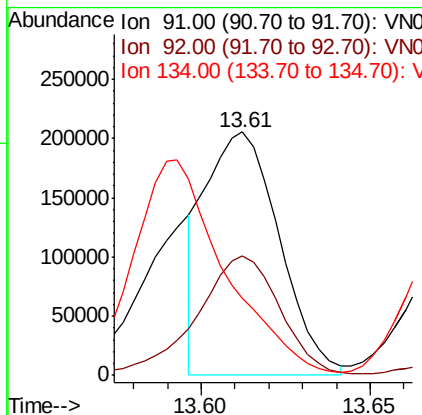
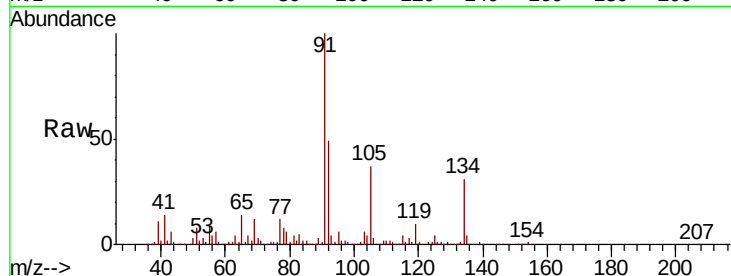
ClientSampled :

EP1-PZ-FD-01

Tgt Ion:	91	Resp:	314969
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.1	78.3
134	108.2	12.4	37.4#

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#95

Naphthalene

Concen: 21.602 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Tgt Ion:	128	Resp:	119940
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	11.5	8.6	13.0

