

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058330.D
 Acq On : 24 Sep 2019 6:18
 Operator : JC/SP
 Sample : K5008-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 8:42:08 AM

Quant Time: Sep 26 06:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	486943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	800934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	722367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	354793	52.31	ug/l	0.00
Spiked Amount						
			Recovery	=	104.62%	
35) Dibromofluoromethane	7.57	113	243322	49.97	ug/l	0.00
Spiked Amount						
			Recovery	=	99.94%	
50) Toluene-d8	10.08	98	1064745	56.13	ug/l	0.00
Spiked Amount						
			Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.41	95	394055	55.92	ug/l	0.00
Spiked Amount						
			Recovery	=	111.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	32039	13.917	ug/l	92
25) 2-Butanone	6.82	43	24105	7.686	ug/l #	89
31) Cyclohexane	7.63	56	223007	38.972	ug/l #	81
39) Methylcyclohexane	9.07	83	745750	133.419	ug/l	98
67) Ethyl Benzene	11.51	91	2680855	123.137	ug/l	95
68) m/p-Xylenes	11.62	106	1069150	130.387	ug/l	98
69) o-Xylene	11.95	106	4934	0.612	ug/l	97
73) Isopropylbenzene	12.26	105	1861254	80.606	ug/l	99
78) n-propylbenzene	12.60	91	4224116	160.985	ug/l	82
80) 1,3,5-Trimethylbenzene	12.74	105	3961799	202.899	ug/l	74
83) tert-Butylbenzene	13.00	119	37760m	2.169	ug/l	
84) 1,2,4-Trimethylbenzene	13.05	105	6505058m	334.770	ug/l	
85) sec-Butylbenzene	13.18	105	581176	25.524	ug/l #	64
86) p-Isopropyltoluene	13.30	119	522629	25.818	ug/l	99
89) n-Butylbenzene	13.62	91	795220	41.435	ug/l #	70
95) Naphthalene	15.14	128	3074311	174.470	ug/l	97

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

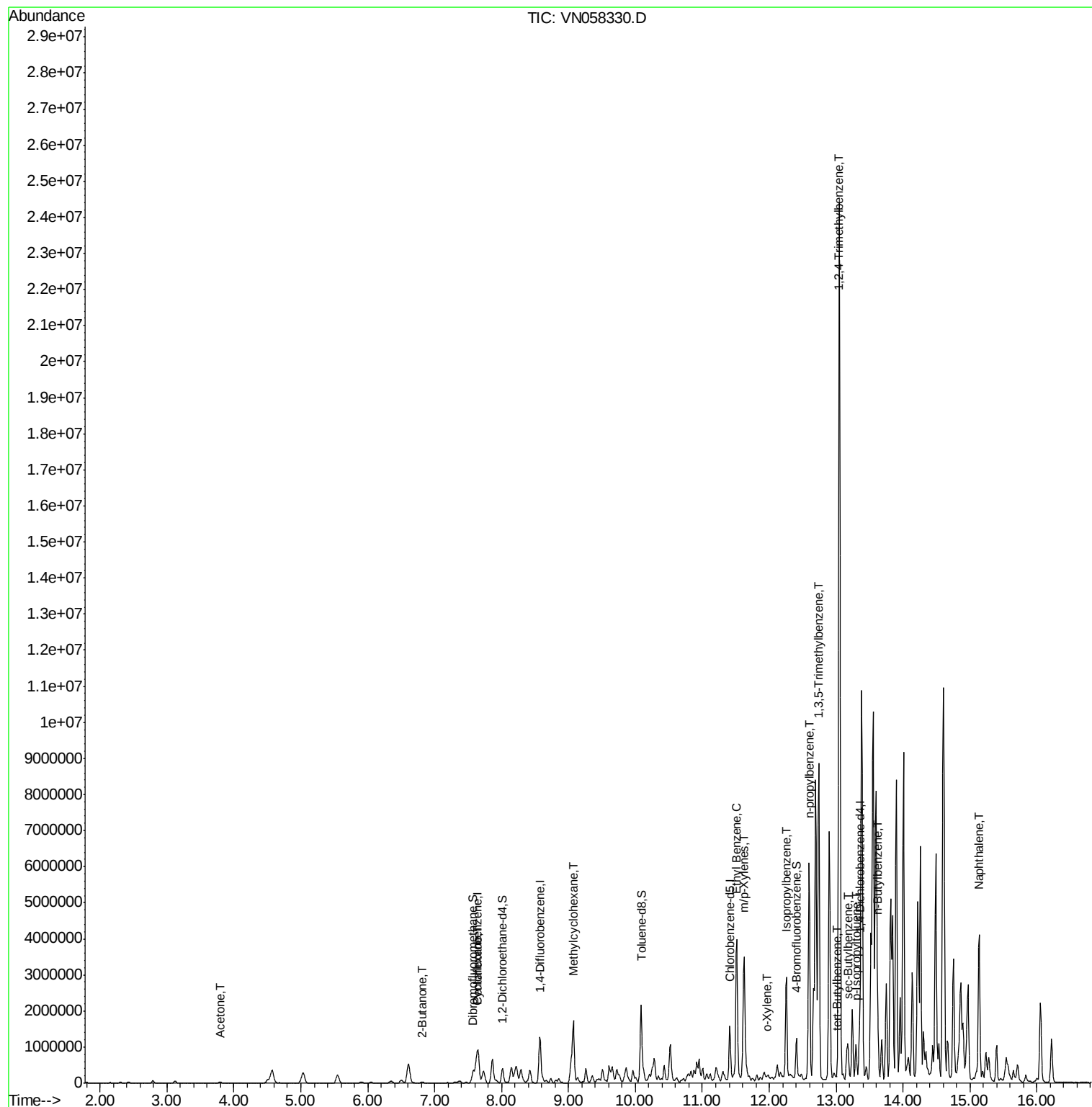
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058330.D
Acq On : 24 Sep 2019 6:18
Operator : JC/SP
Sample : K5008-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 60 Sample Multiplier: 1

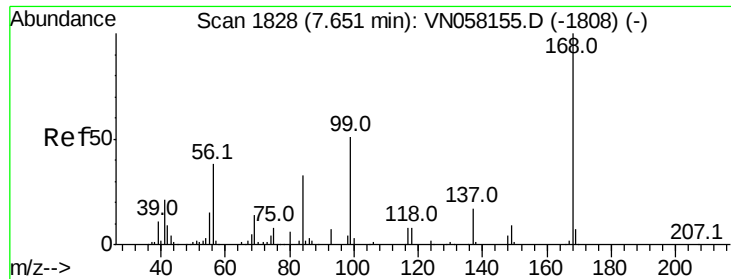
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

Quant Time: Sep 26 06:45:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampled :

TWP-4

Tot Ion:168 Resp: 486943

Ion Ratio Lower Upper

168 100

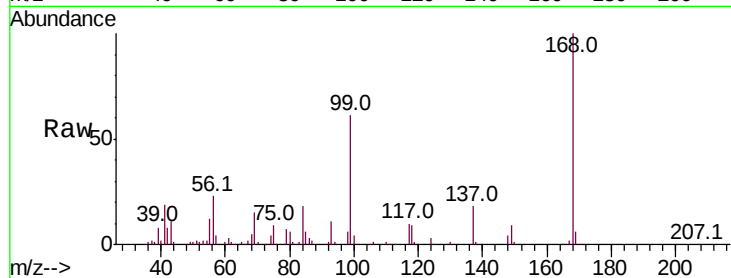
99 61.3 47.4 71.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

50000

0

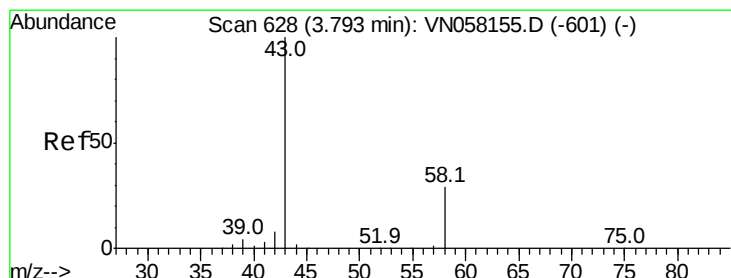
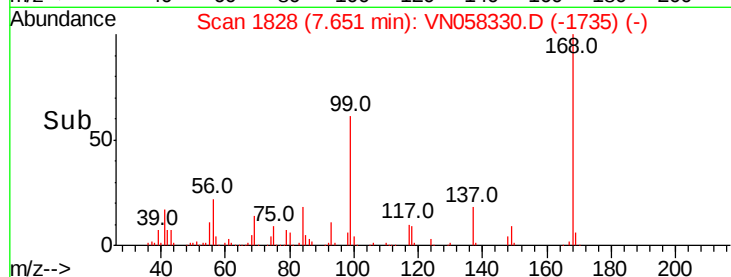
Time-->

7.50

7.60

7.70

7.80



#16

Acetone

Concen: 13.917 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058330.D

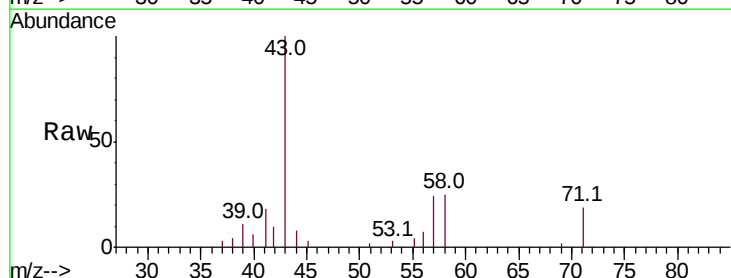
Acq: 24 Sep 2019 6:18

Tgt Ion: 43 Resp: 32039

Ion Ratio Lower Upper

43 100

58 25.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

12000

10000

8000

6000

4000

2000

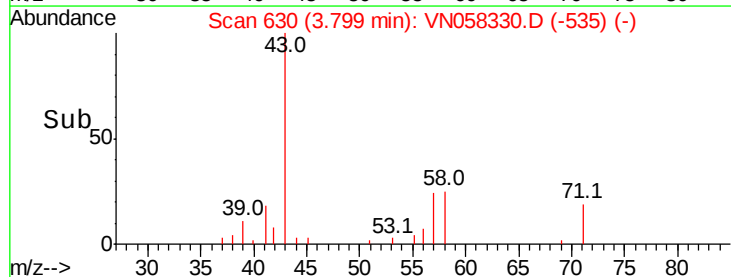
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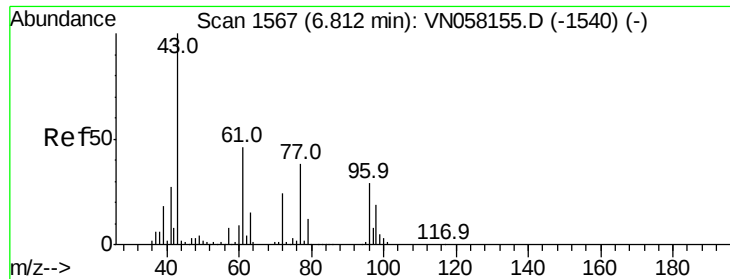
Time-->

3.70

3.80

3.90





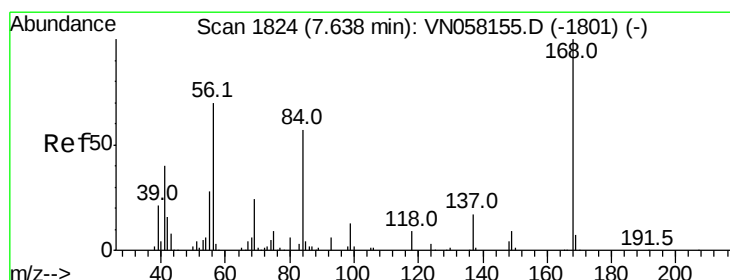
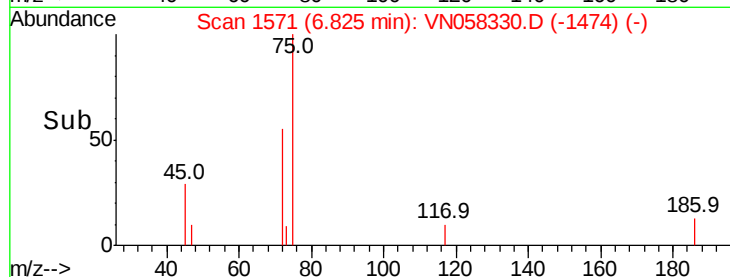
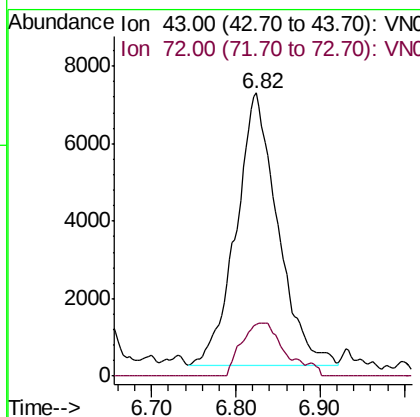
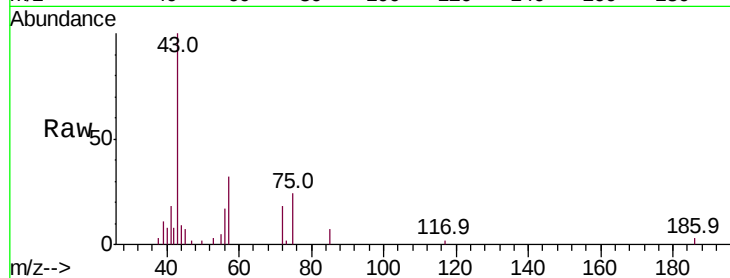
#25
2-Butanone
Concen: 7.686 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :
TWP-4

Tot Ion	Ratio	Lower	Upper
43	100		
72	19.2	19.5	29.3#

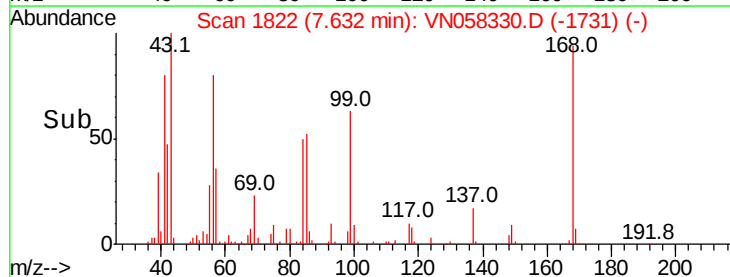
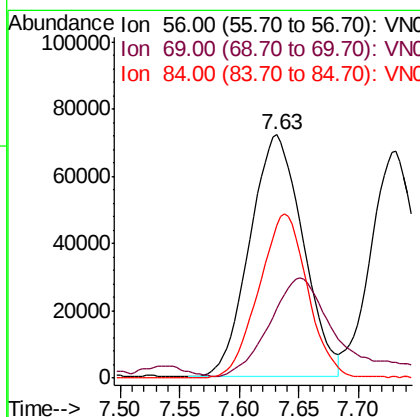
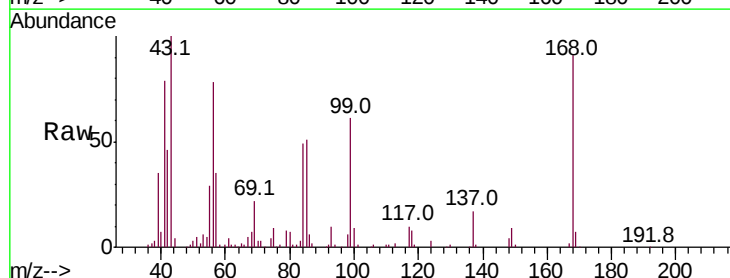
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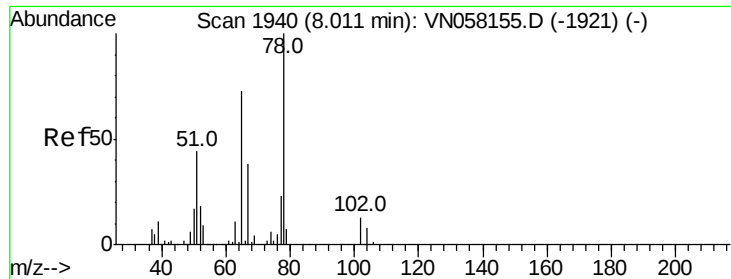
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#31
Cyclohexane
Concen: 38.972 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.0	27.3	40.9#
84	62.8	65.0	97.4#





#33

1,2-Dichloroethane-d4

Concen: 52.313 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058330.D

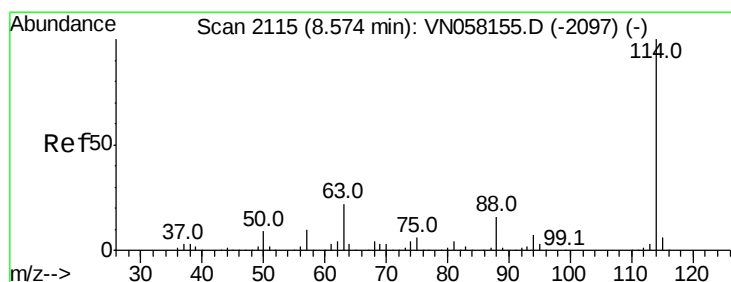
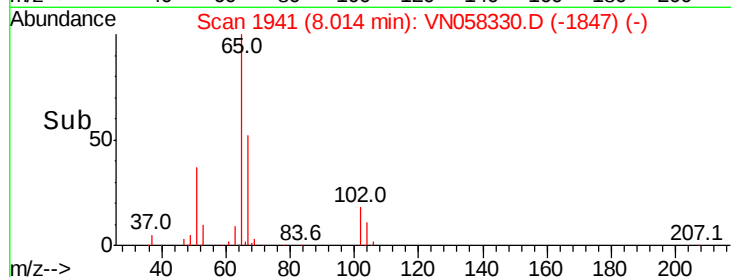
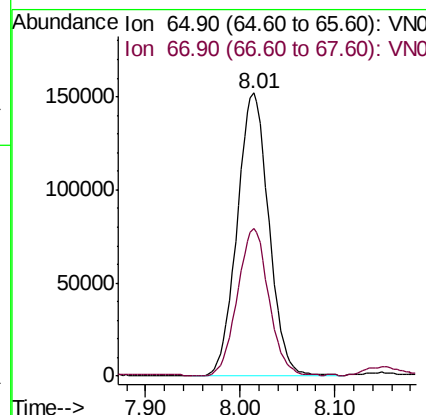
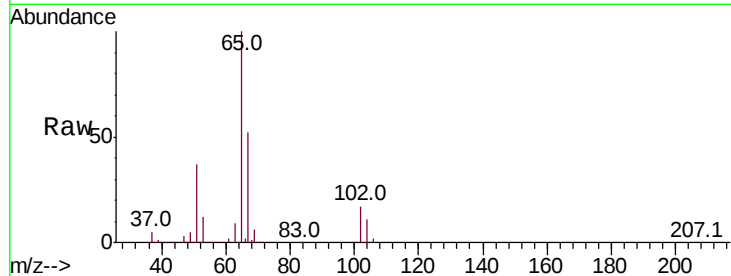
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :
TWP-4

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	103.4	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

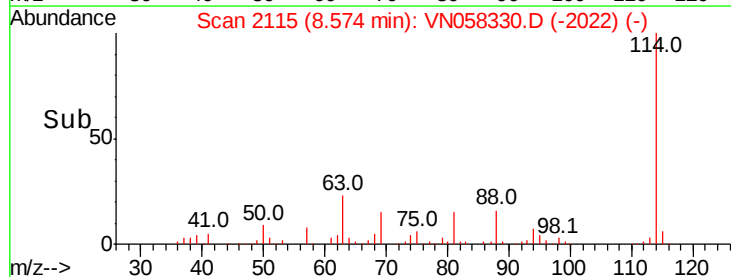
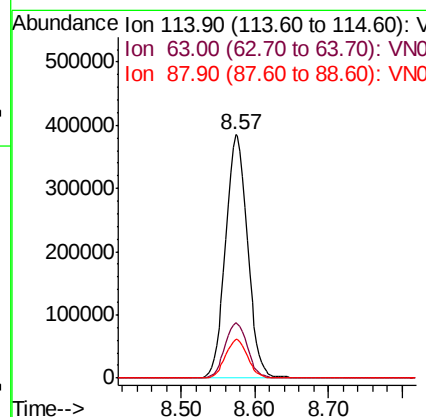
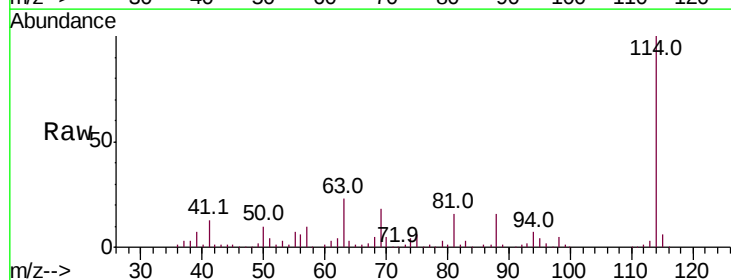
RT: 8.57 min Scan# 2115

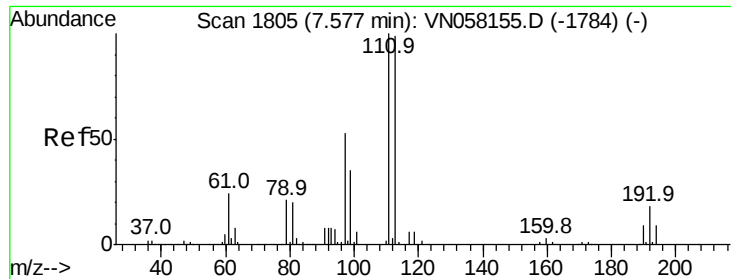
Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	44.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.974 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

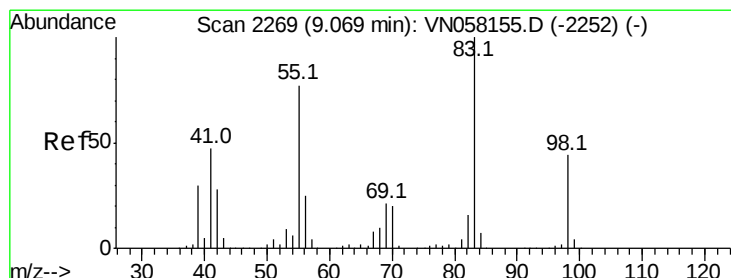
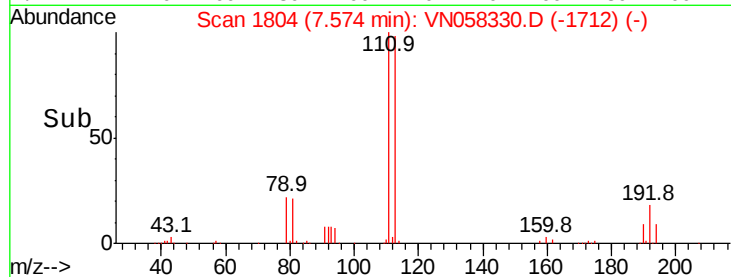
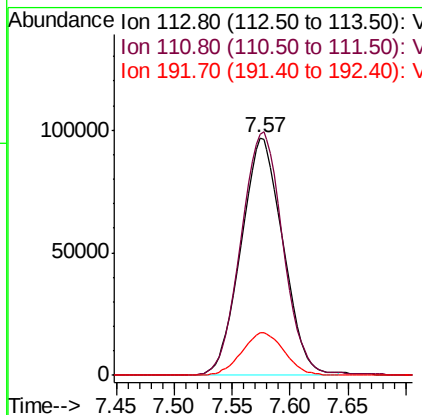
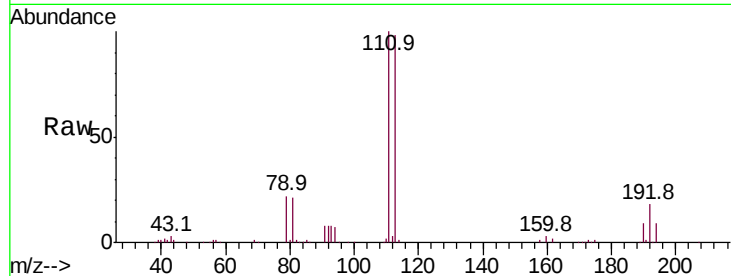
ClientSampled :

TWP-4

Tot Ion:	113	Resp:	243322
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.6
192	18.2	14.5	21.7

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#39

Methylcyclohexane

Concen: 133.419 ug/l

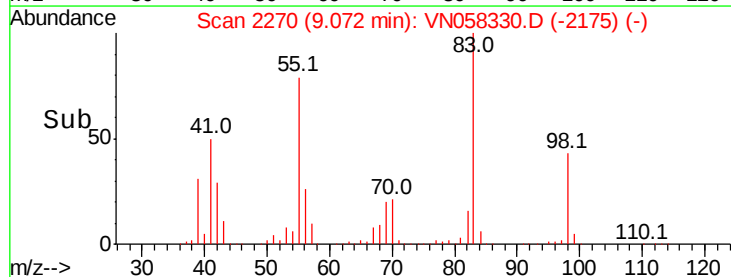
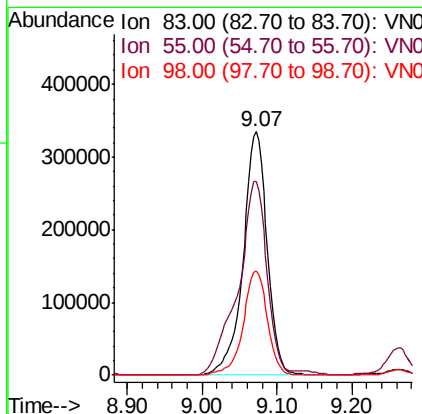
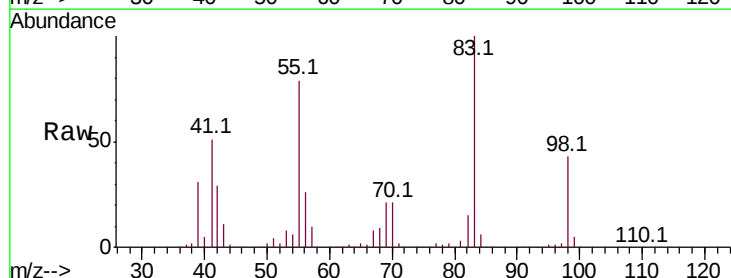
RT: 9.07 min Scan# 2270

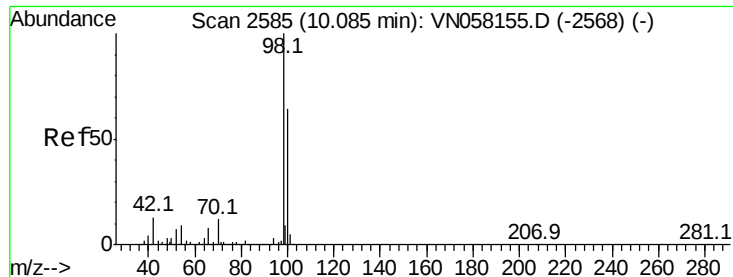
Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Tgt Ion:	83	Resp:	745750
Ion Ratio	Lower	Upper	
83	100		
55	79.5	61.9	92.9
98	42.9	35.4	53.2





#50

Toluene-d8

Concen: 56.126 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampled :

TWP-4

Tot Ion: 98 Resp: 1064745

Ion Ratio Lower Upper

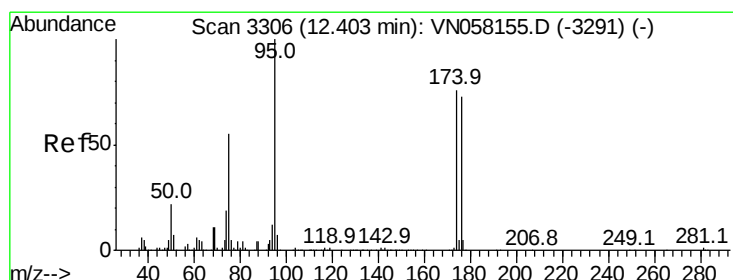
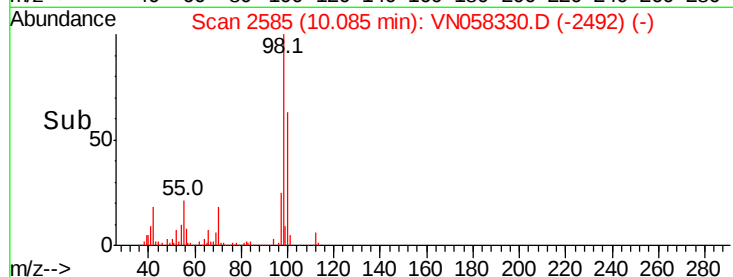
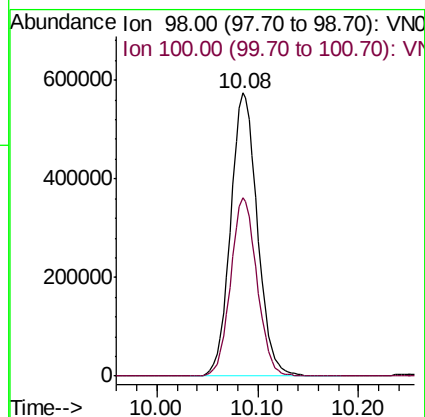
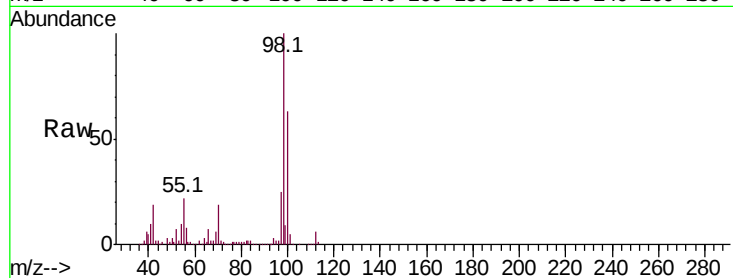
98 100

100 61.7 51.1 76.7

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#62

4-Bromofluorobenzene

Concen: 55.919 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

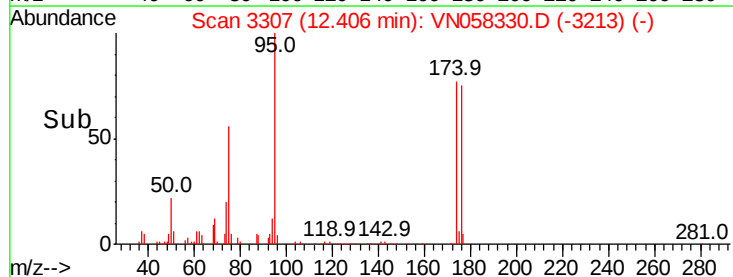
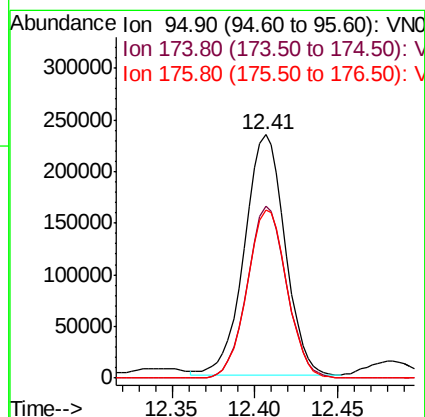
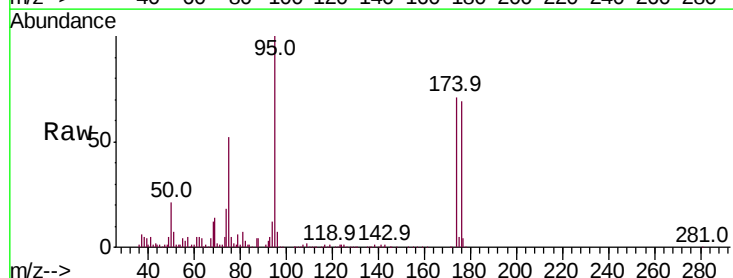
Tgt Ion: 95 Resp: 394055

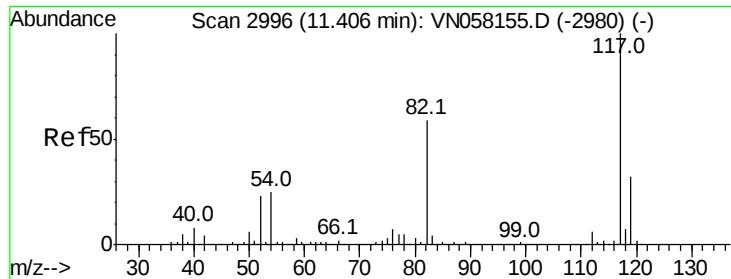
Ion Ratio Lower Upper

95 100

174 69.7 0.0 152.2

176 68.9 0.0 148.0





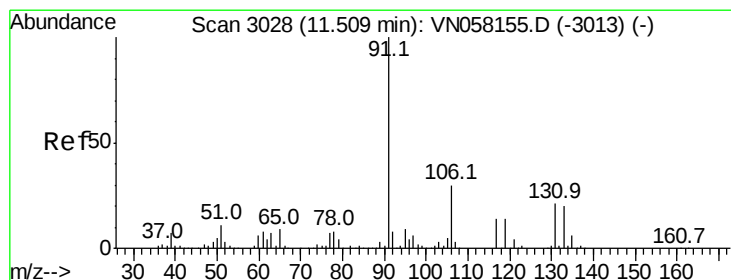
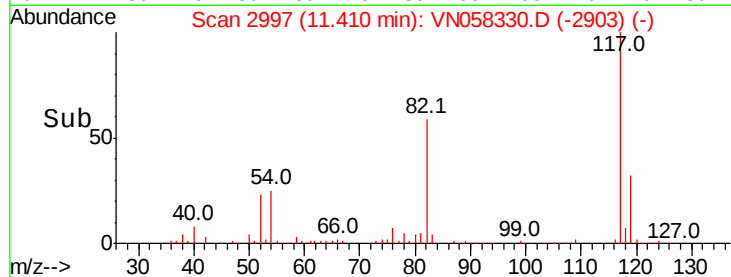
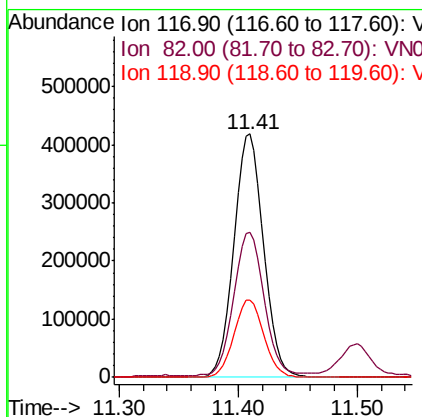
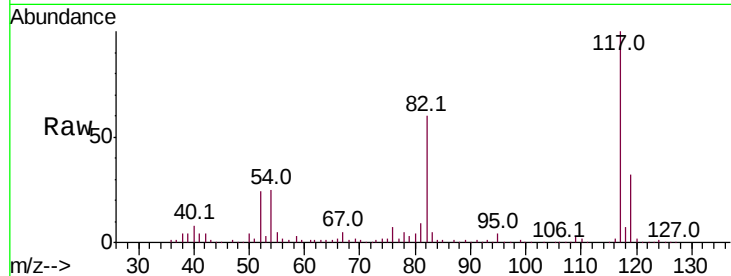
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampled :
TWP-4

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.9	46.9	70.3
119	31.9	25.3	37.9

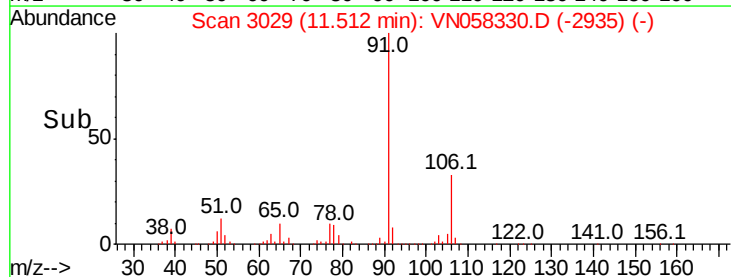
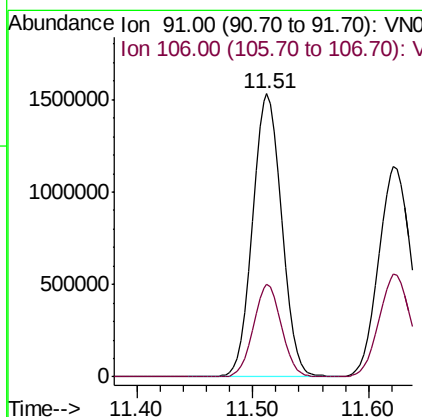
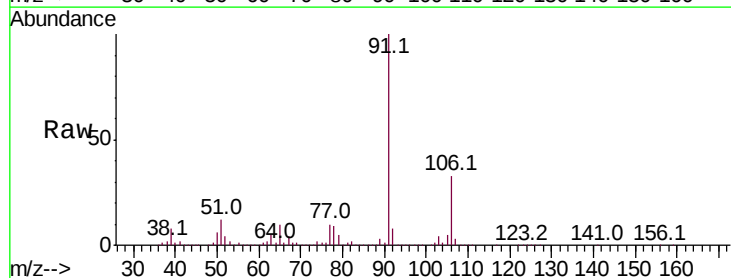
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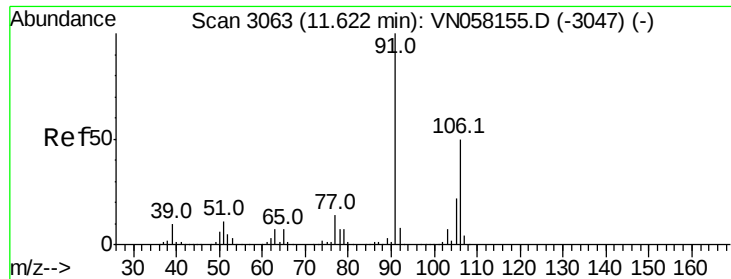
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#67
Ethyl Benzene
Concen: 123.137 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
106	32.9	24.0	36.0





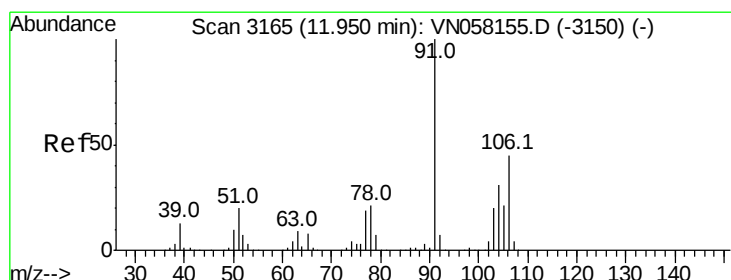
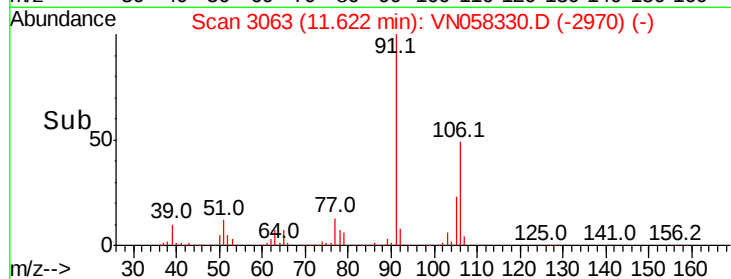
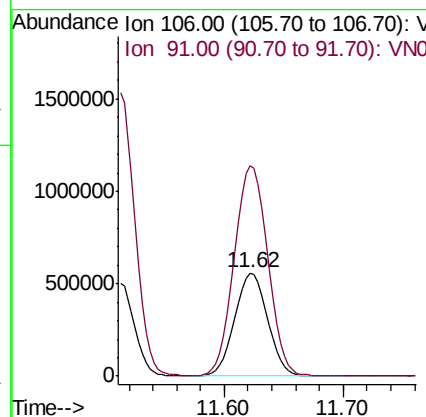
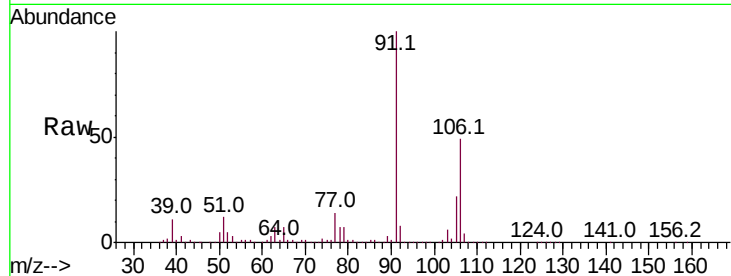
#68
m/p-Xylenes
Concen: 130.387 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampled :
TWP-4

Tot Ion:106 Resp: 1069150
Ion Ratio Lower Upper
106 100
91 208.0 163.6 245.4

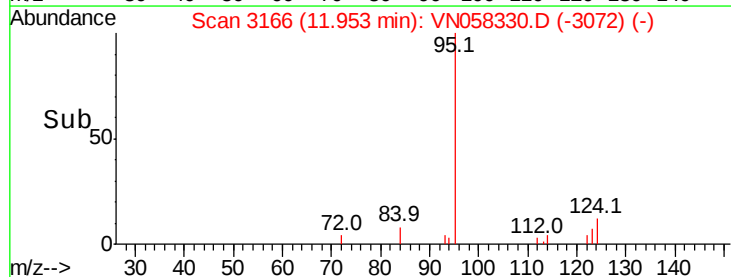
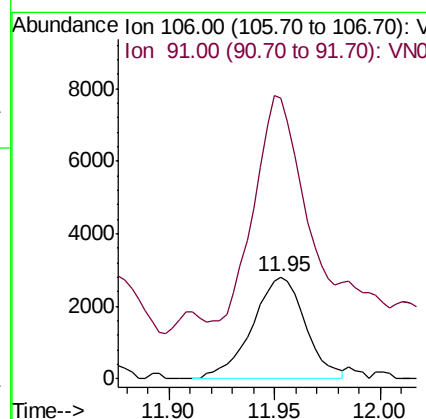
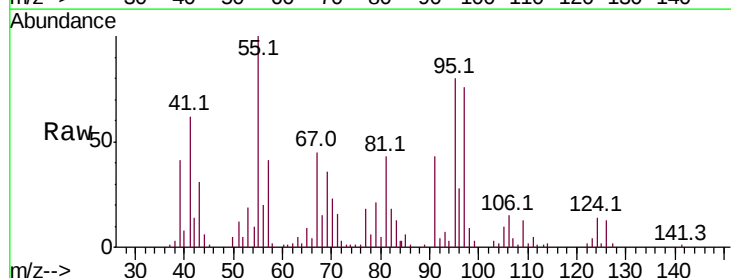
Manual Integrations
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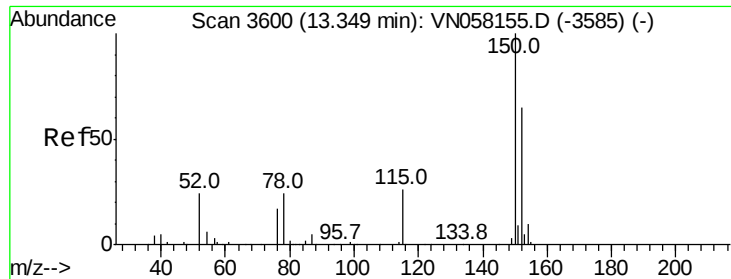
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#69
o-Xylene
Concen: 0.612 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion:106 Resp: 4934
Ion Ratio Lower Upper
106 100
91 228.6 111.8 335.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

TWP-4

Tot Ion:152 Resp: 368899

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.3

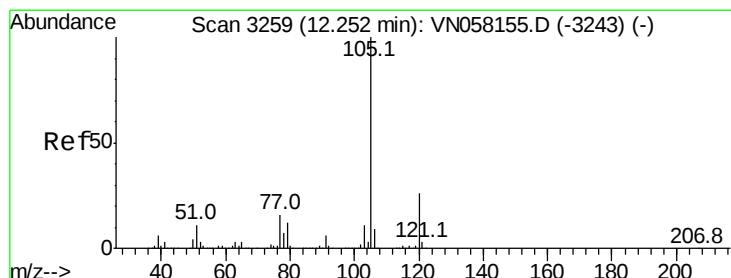
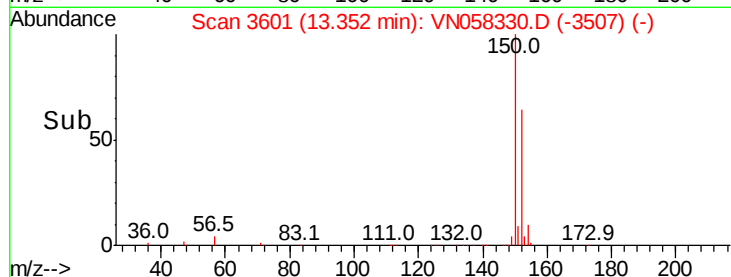
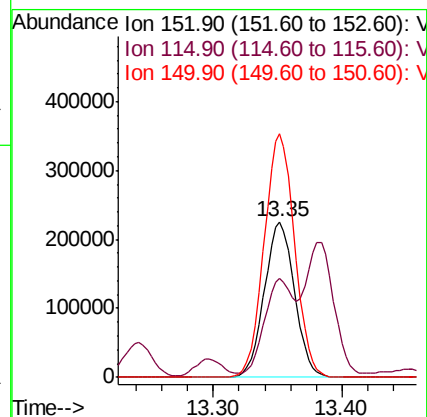
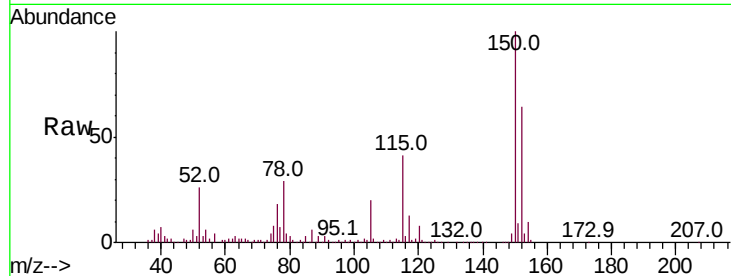
150 157.5 0.0 346.4

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#73

Isopropylbenzene

Concen: 80.606 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058330.D

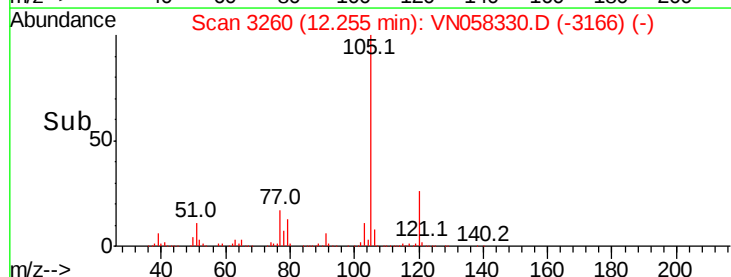
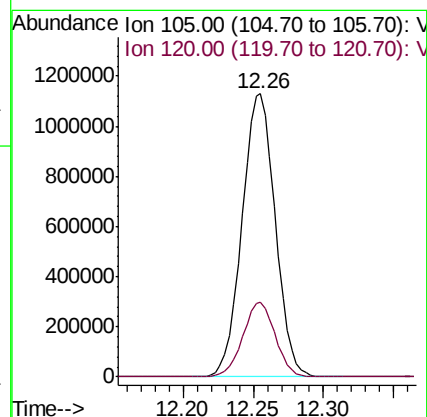
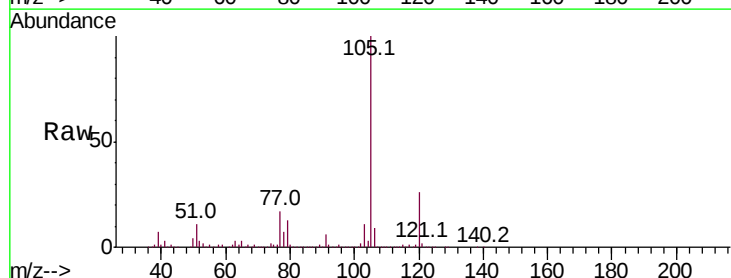
Acq: 24 Sep 2019 6:18

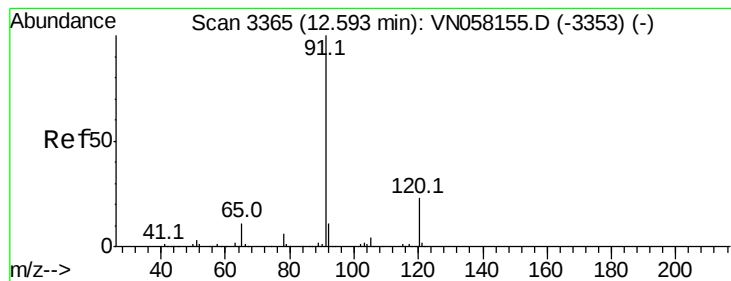
Tgt Ion:105 Resp: 1861254

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3





#78

n-propylbenzene

Concen: 160.985 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampled :

TWP-4

Tot Ion: 91 Resp: 4224116

Ion Ratio Lower Upper

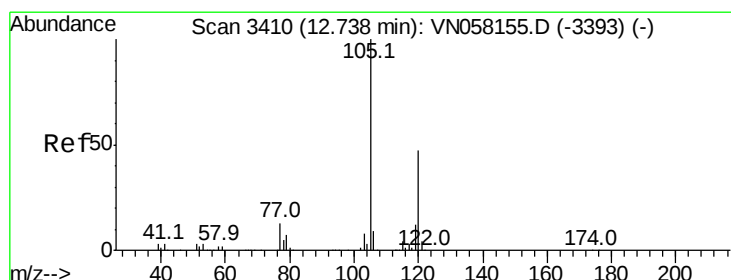
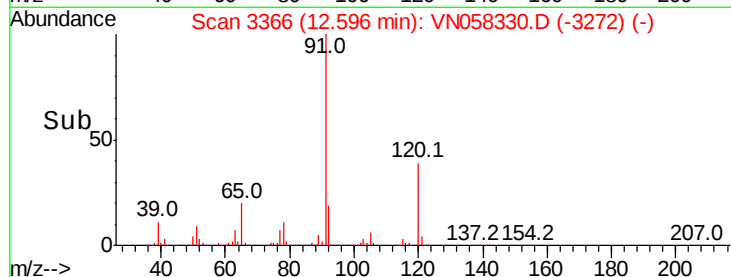
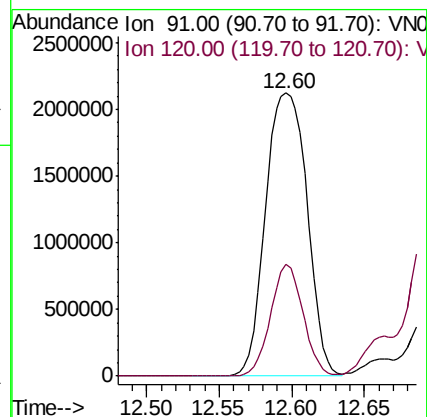
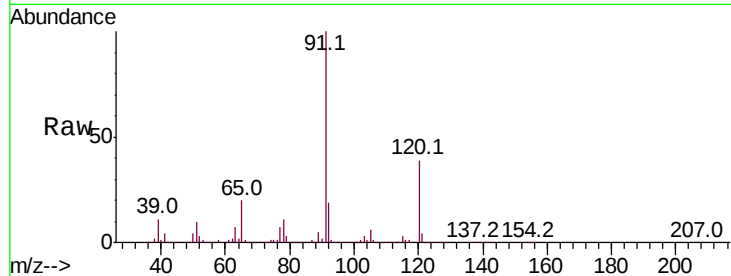
91 100

120 31.0 11.1 33.3

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#80

1,3,5-Trimethylbenzene

Concen: 202.899 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058330.D

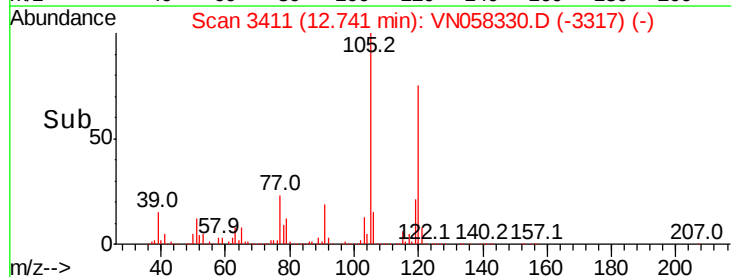
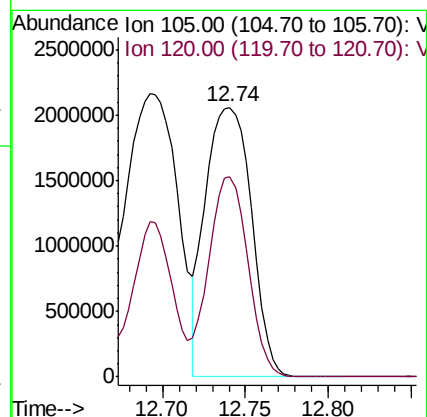
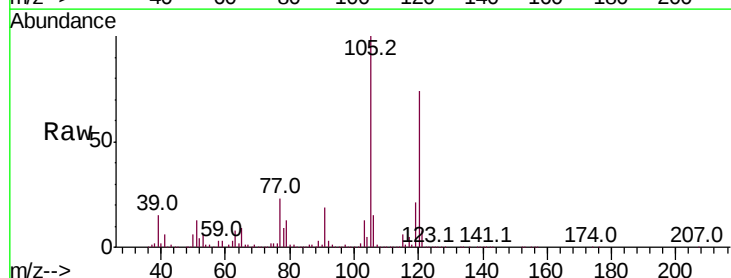
Acq: 24 Sep 2019 6:18

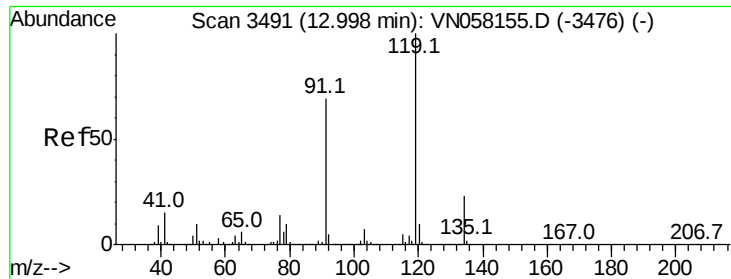
Tgt Ion: 105 Resp: 3961799

Ion Ratio Lower Upper

105 100

120 64.2 23.4 70.0





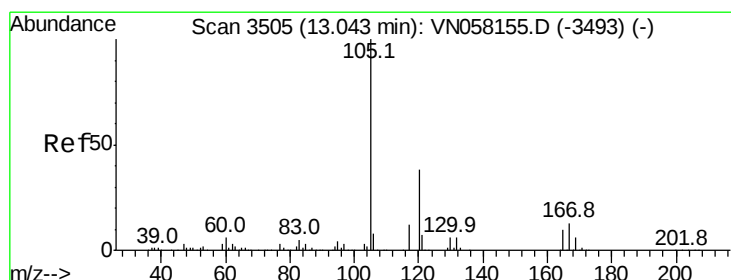
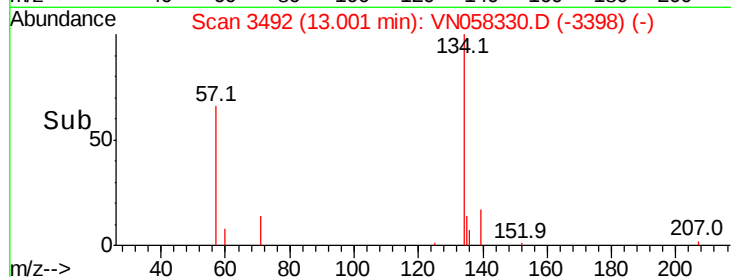
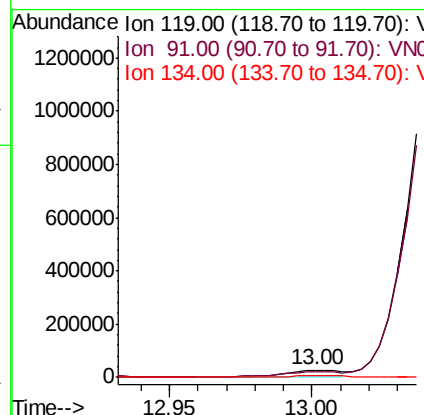
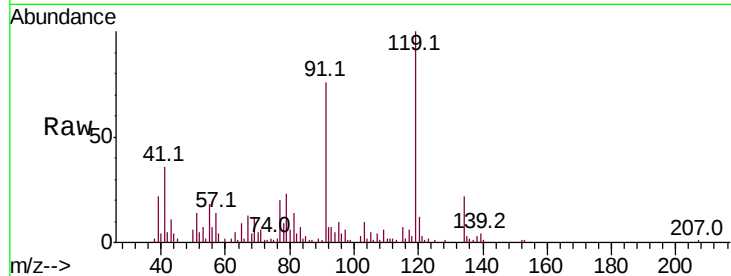
#83
tert-Butylbenzene
Concen: 2.169 ug/l m
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :
TWP-4

Tot Ion:119 Resp: 37760
Ion Ratio Lower Upper
119 100
91 6050.0 33.8 101.3
134 0.0 11.6 34.8#

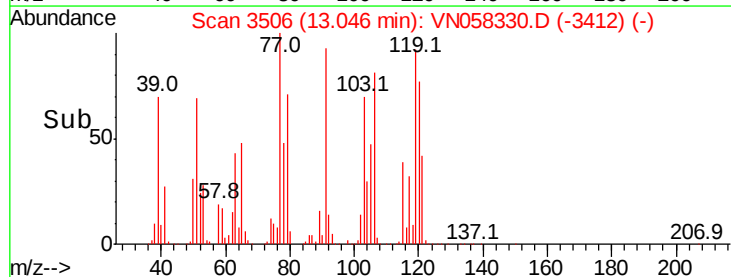
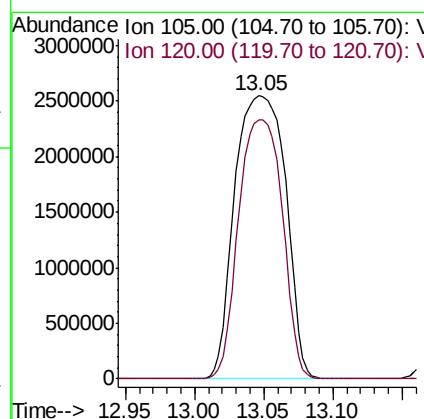
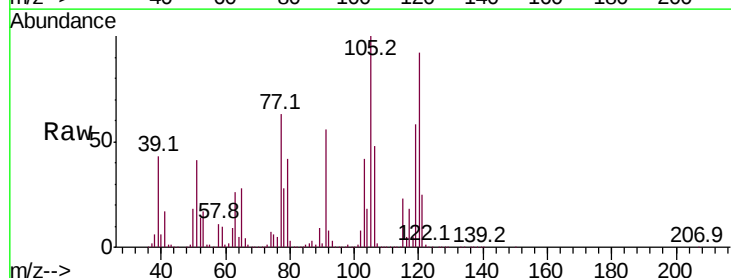
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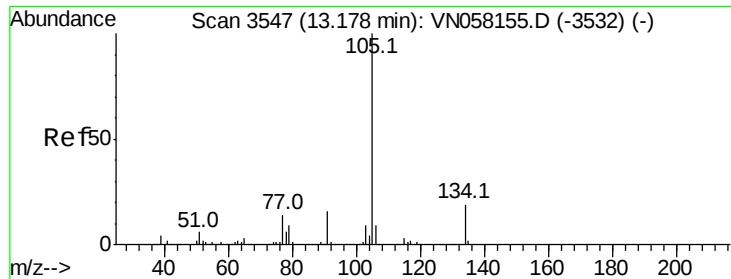
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#84
1,2,4-Trimethylbenzene
Concen: 334.770 ug/l m
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion:105 Resp: 6505058
Ion Ratio Lower Upper
105 100
120 23.1 22.1 66.5





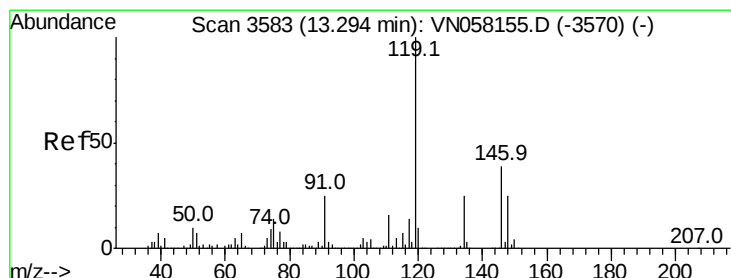
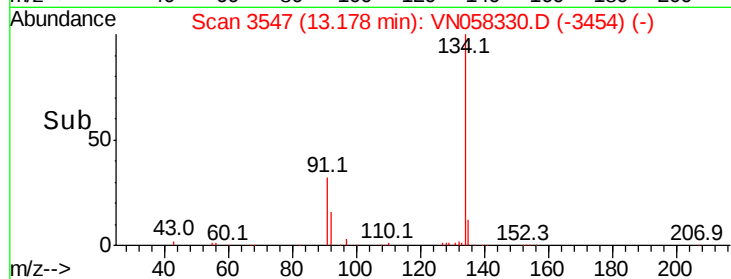
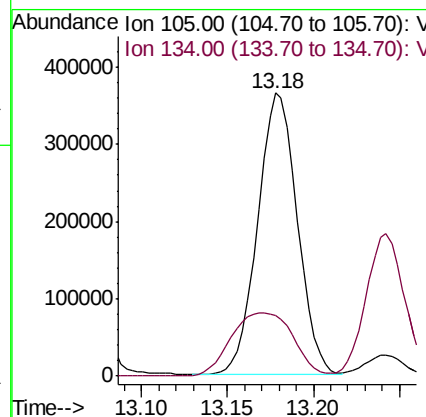
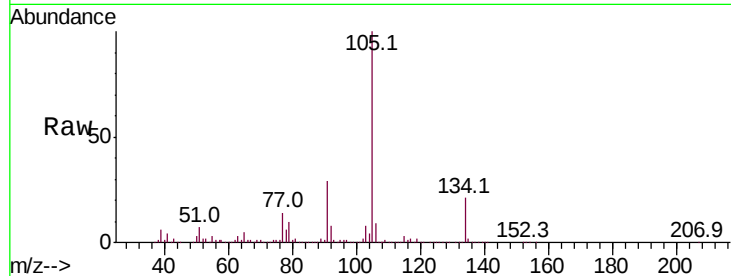
#85
 sec-Butylbenzene
 Concen: 25.524 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Instrument :
 MSVOA_N
 ClientSampled :
 TWP-4

Tot Ion	Ratio	Resp	Lower	Upper
105	100	581176		
134	35.3	9.5	28.5#	

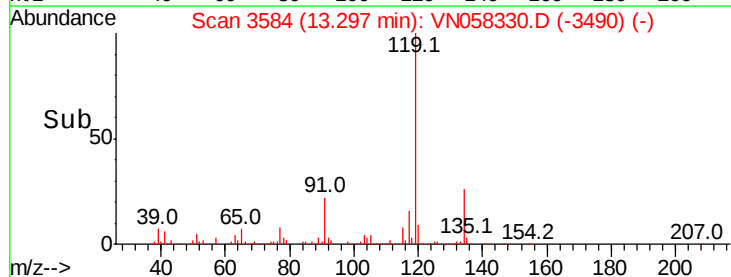
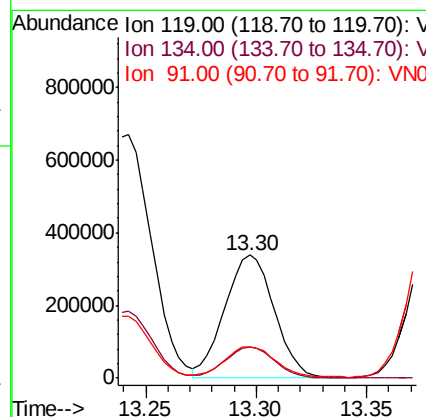
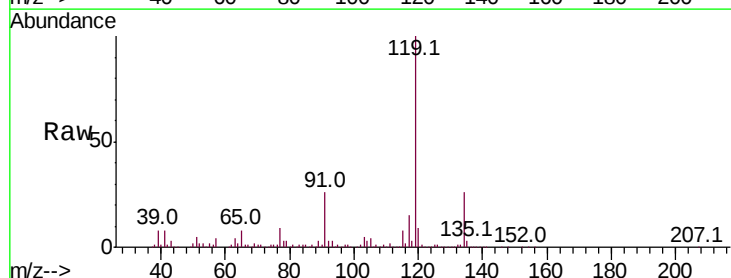
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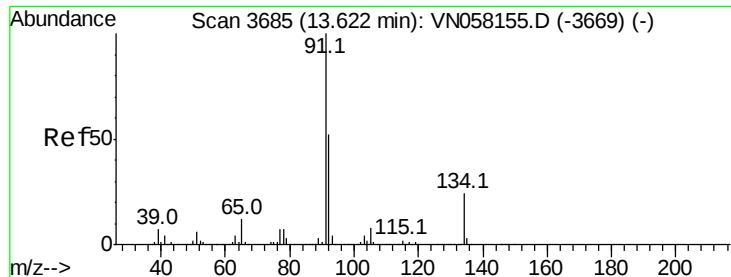
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#86
 p-Isopropyltoluene
 Concen: 25.818 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	522629		
134	25.4	12.7	38.0	
91	25.3	12.3	36.8	





#89

n-Butylbenzene

Concen: 41.435 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

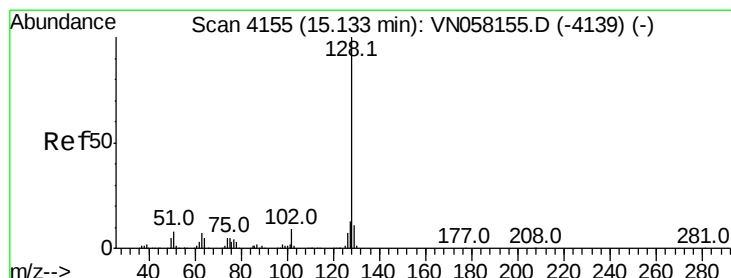
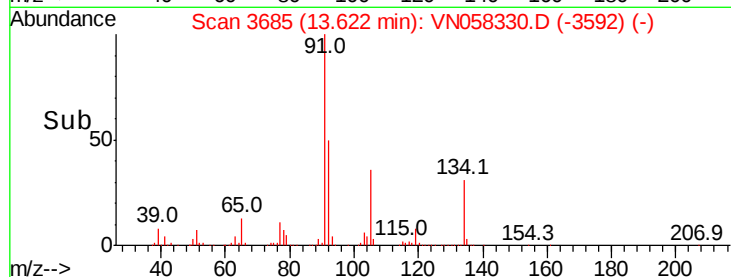
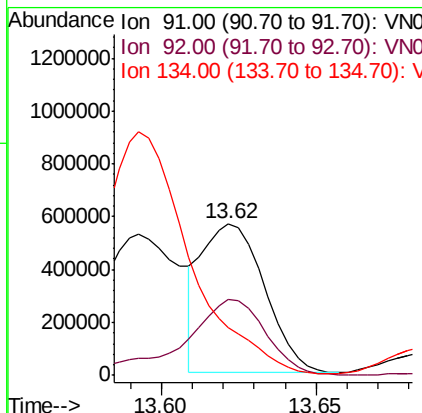
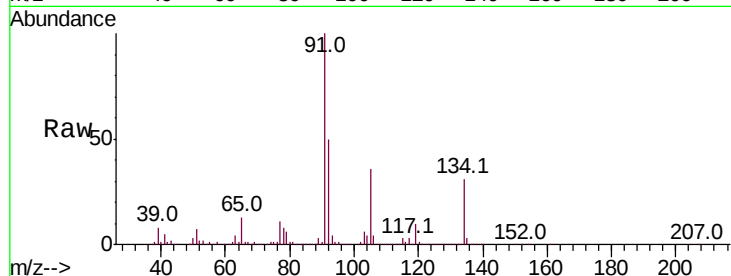
ClientSampled :

TWP-4

Tot Ion:	91	Resp:	795220
Ion Ratio	Lower	Upper	
91	100		
92	66.7	25.7	77.0
134	0.0	11.8	35.4#

Manual Integrations
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#95

Naphthalene

Concen: 174.470 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Tgt Ion:	128	Resp:	3074311
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.2
129	11.7	8.6	12.8

