

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058332.D
 Acq On : 24 Sep 2019 7:02
 Operator : JC/SP
 Sample : K5008-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-9

Quant Time: Sep 25 12:26:35 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	529039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	850937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	761196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347379	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	348276	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	7.58	113	241908	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	10.08	98	1082638	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.41	95	392973	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	

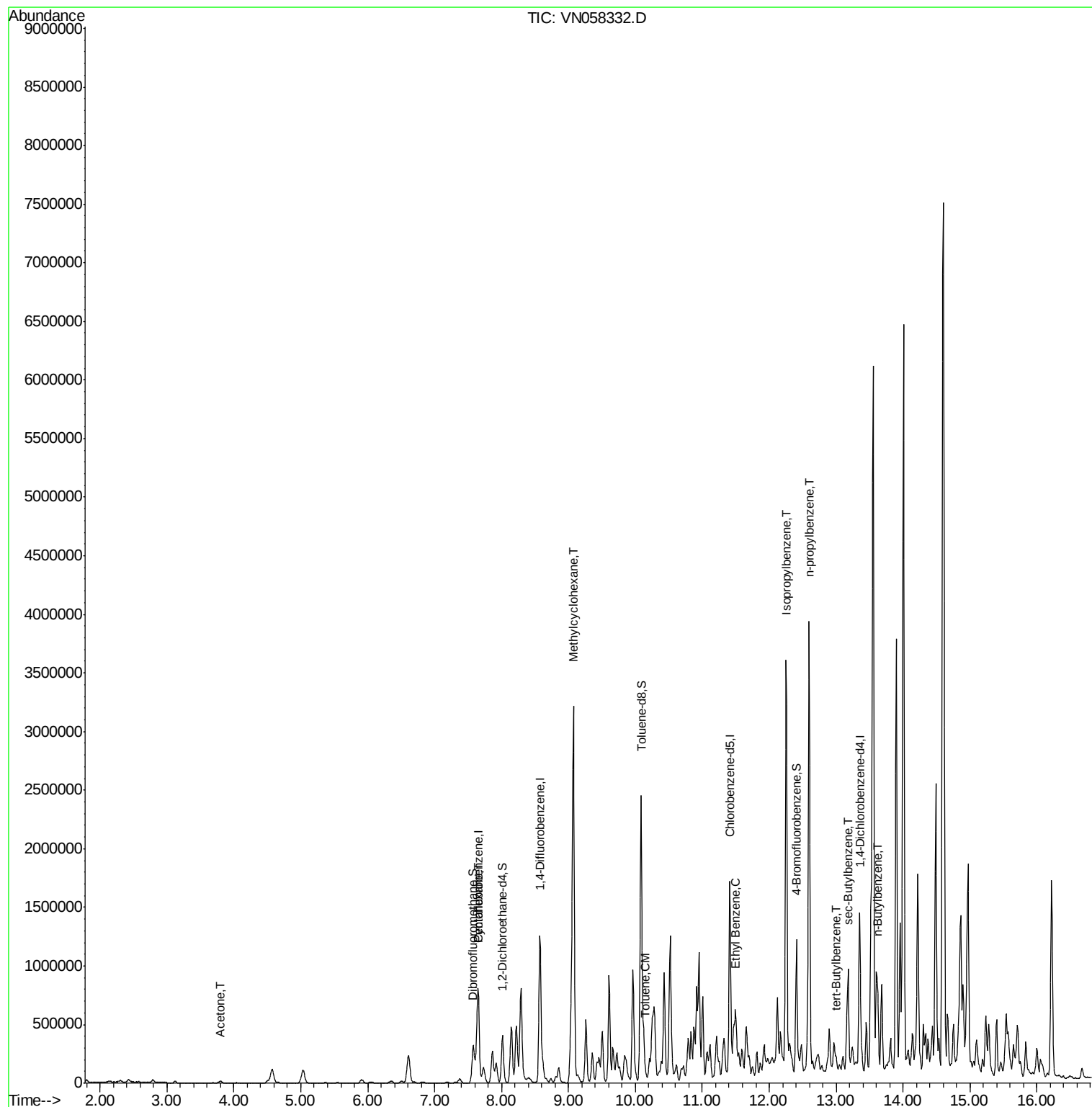
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	25953	10.376	ug/l	91
31) Cyclohexane	7.64	56	126946	19.212	ug/l	97
39) Methylcyclohexane	9.07	83	1428255	240.451	ug/l	98
52) Toluene	10.15	92	15420	1.313	ug/l	97
67) Ethyl Benzene	11.51	91	27898	1.216	ug/l #	87
73) Isopropylbenzene	12.25	105	2272139	104.496	ug/l	98
78) n-propylbenzene	12.60	91	2996713	121.283	ug/l	96
83) tert-Butylbenzene	13.00	119	58086	3.542	ug/l	96
85) sec-Butylbenzene	13.18	105	555458	25.905	ug/l	82
89) n-Butylbenzene	13.62	91	429282	23.753	ug/l #	77

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

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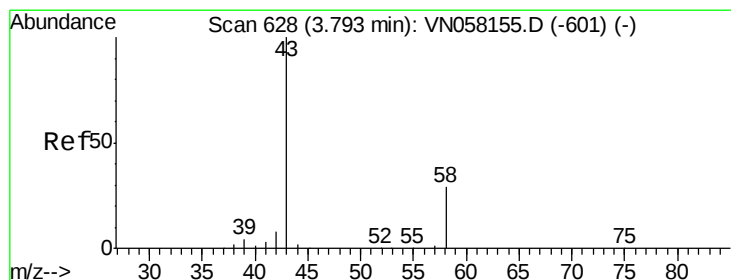
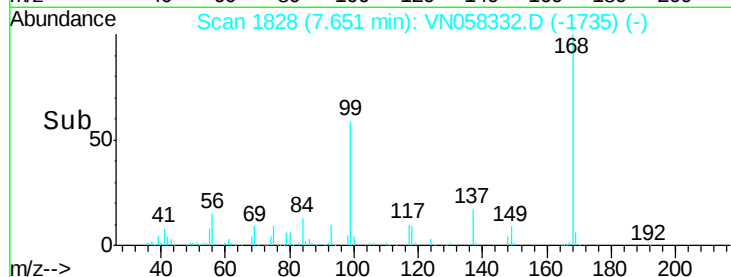
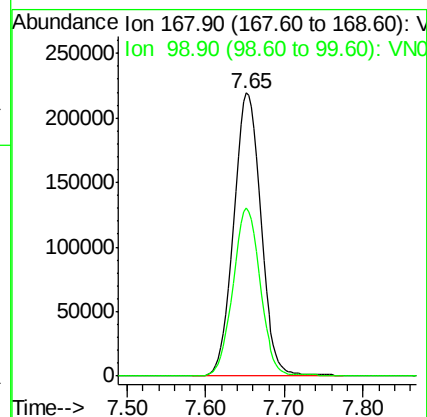
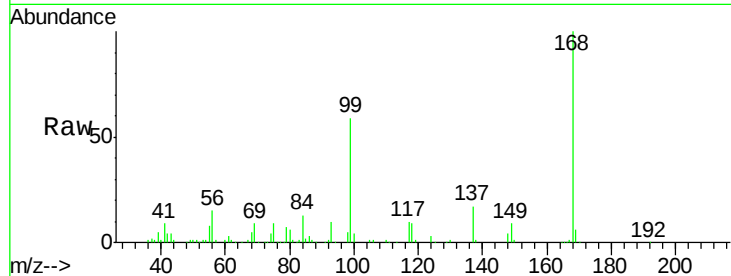




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

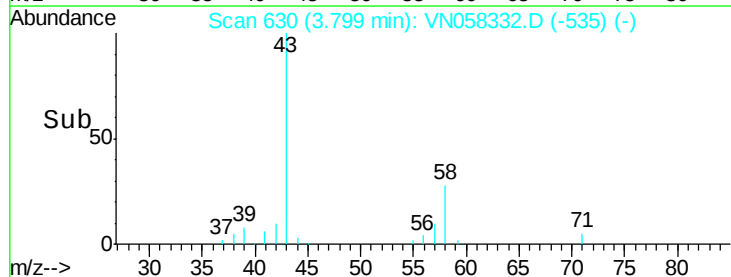
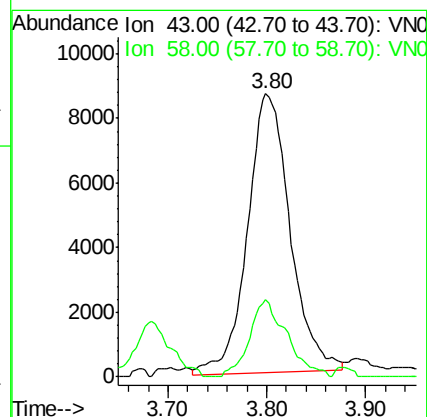
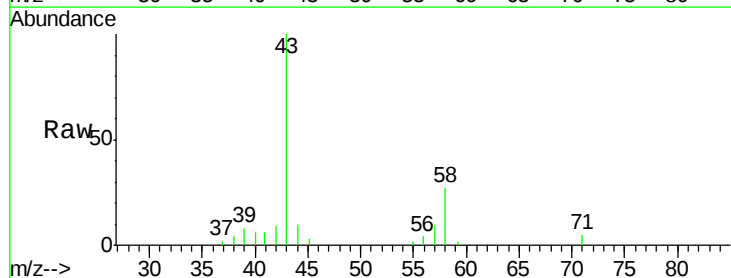
Instrument :
MSVOA_N
ClientSampled :
TWP-9

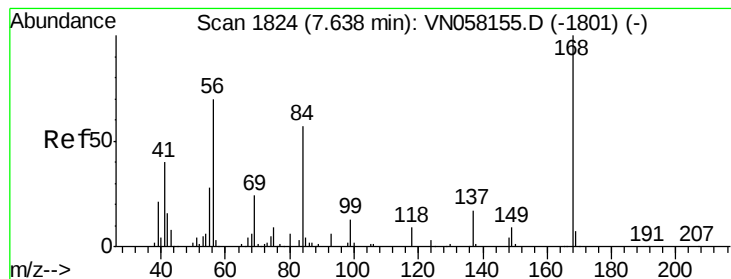
Tot Ion:168 Resp: 529039
Ion Ratio Lower Upper
168 100
99 59.5 47.4 71.2



#16
Acetone
Concen: 10.376 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 43 Resp: 25953
Ion Ratio Lower Upper
43 100
58 24.6 23.4 35.2





#31

Cyclohexane

Concen: 19.212 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

TWP-9

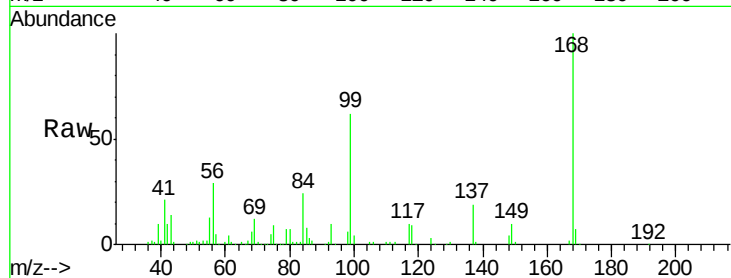
Tot Ion: 56 Resp: 126946

Ion Ratio Lower Upper

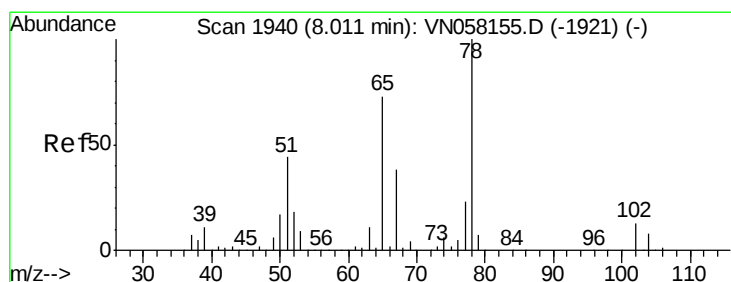
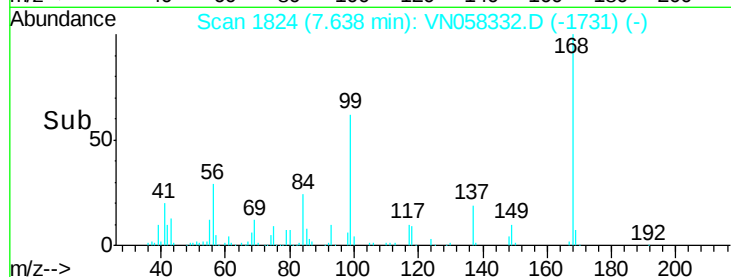
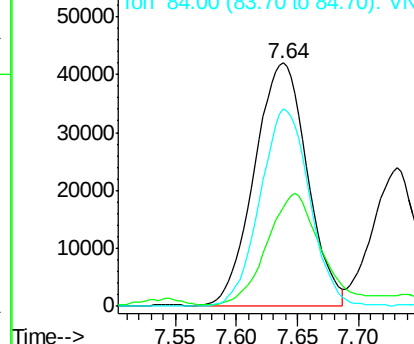
56 100

69 39.8 27.3 40.9

84 81.0 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 47.266 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058332.D

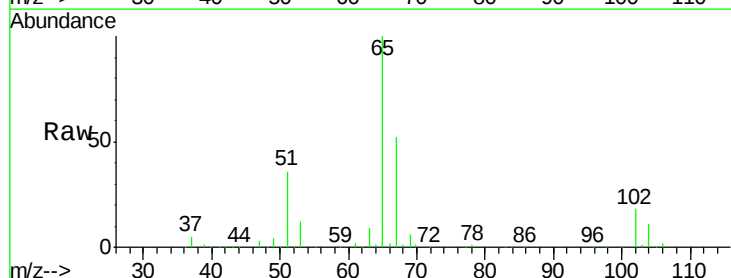
Acq: 24 Sep 2019 7:02

Tgt Ion: 65 Resp: 348276

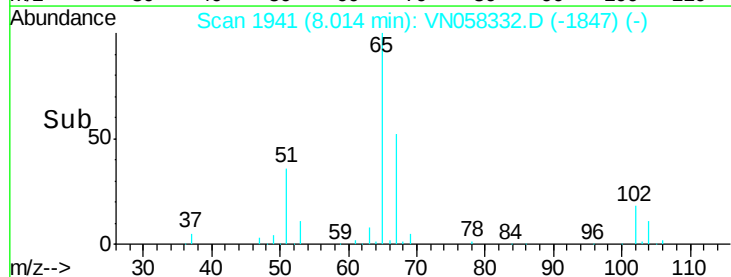
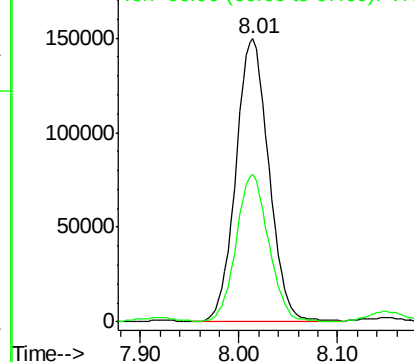
Ion Ratio Lower Upper

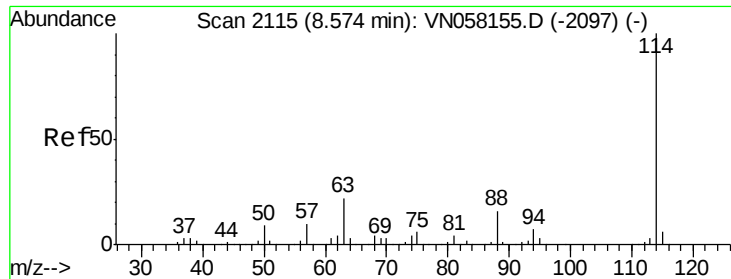
65 100

67 50.8 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

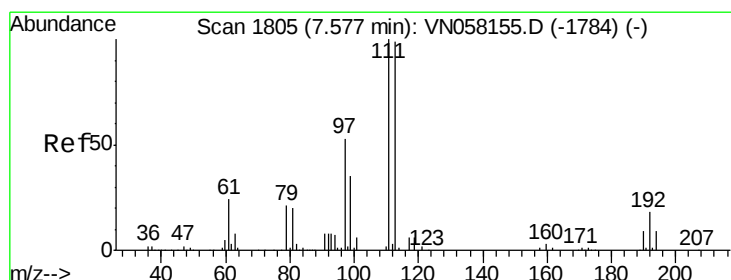
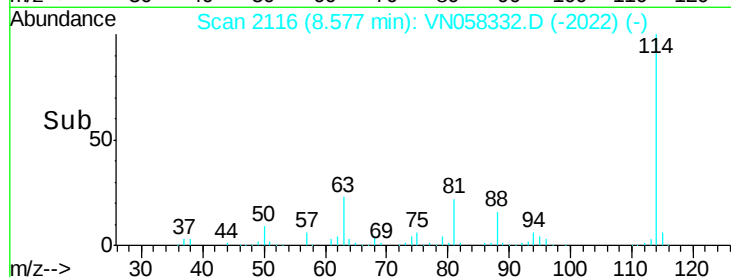
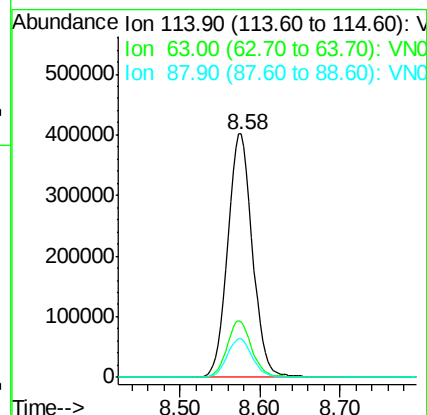
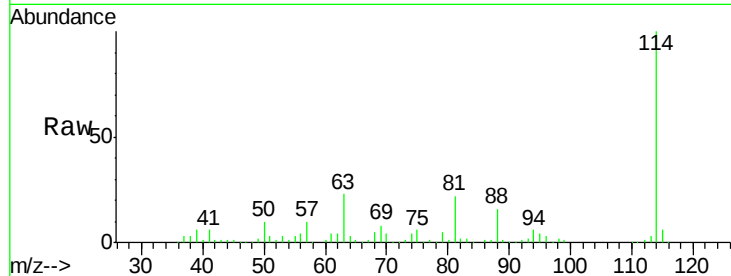




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

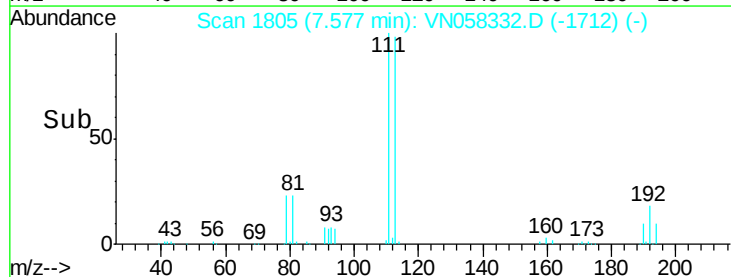
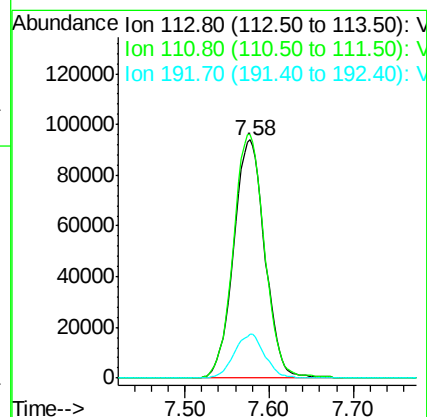
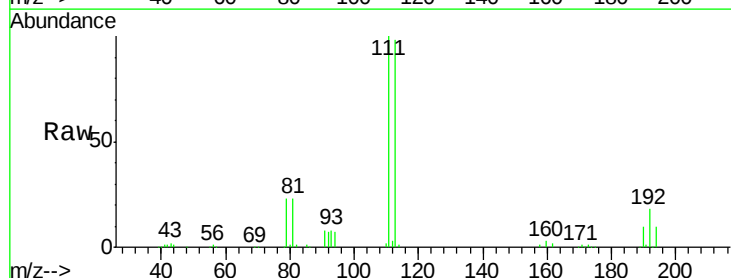
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-9

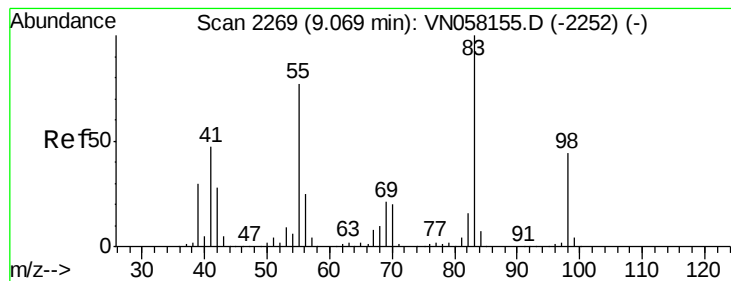
Tot Ion:114 Resp: 850937
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.2
 88 15.8 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 46.764 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion:113 Resp: 241908
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.6
 192 18.1 14.5 21.7





#39

Methvlcvclohexane

Concen: 240.451 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

TWP-9

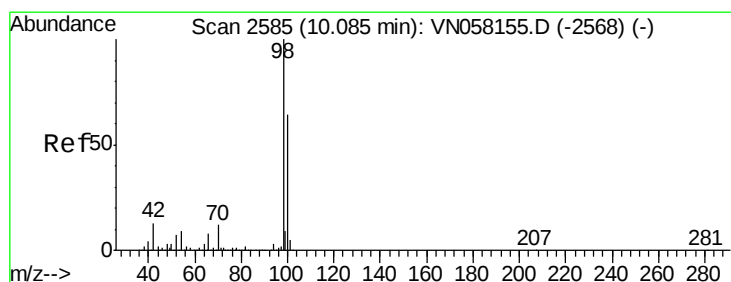
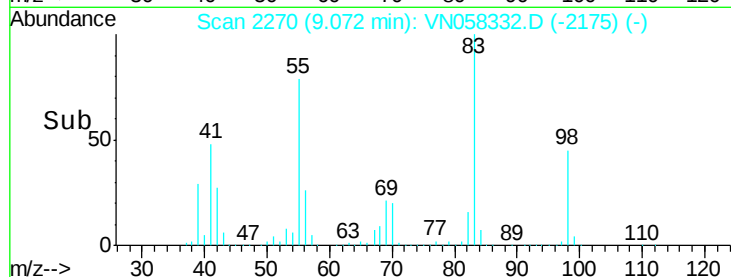
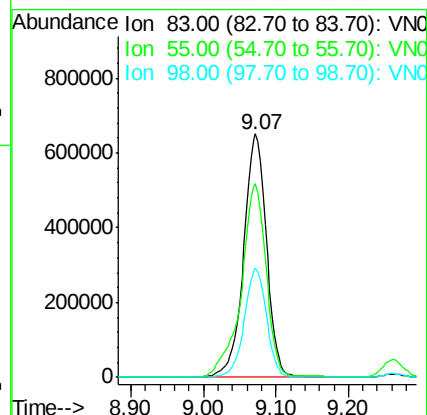
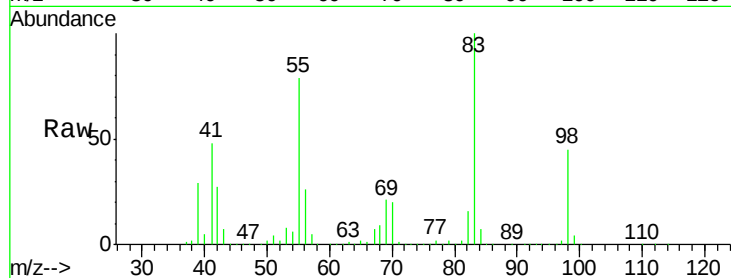
Tot Ion: 83 Resp: 1428255

Ion Ratio Lower Upper

83 100

55 79.3 61.9 92.9

98 44.9 35.4 53.2



#50

Toluene-d8

Concen: 53.715 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058332.D

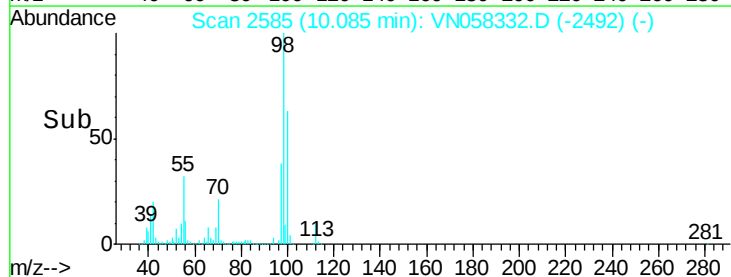
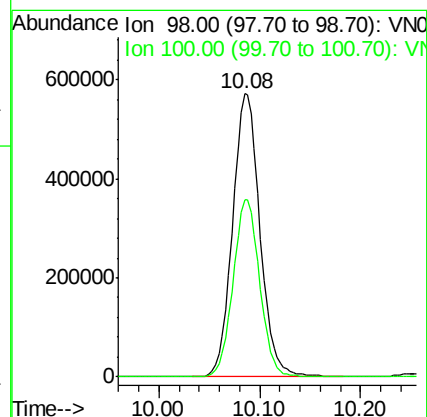
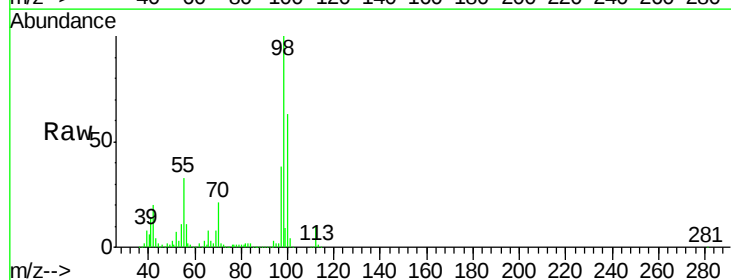
Acq: 24 Sep 2019 7:02

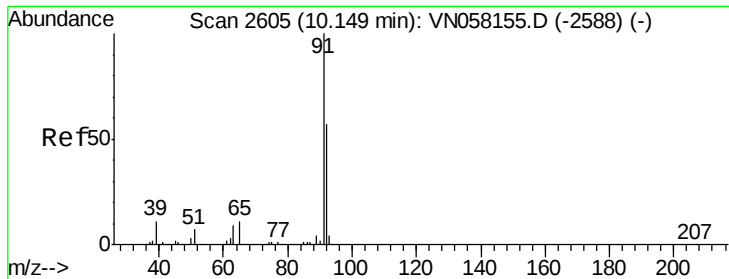
Tgt Ion: 98 Resp: 1082638

Ion Ratio Lower Upper

98 100

100 60.9 51.1 76.7





#52

Toluene

Concen: 1.313 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

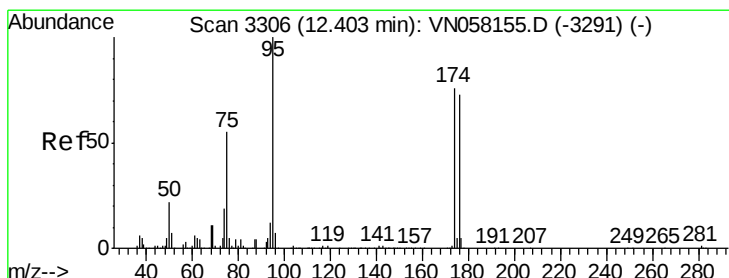
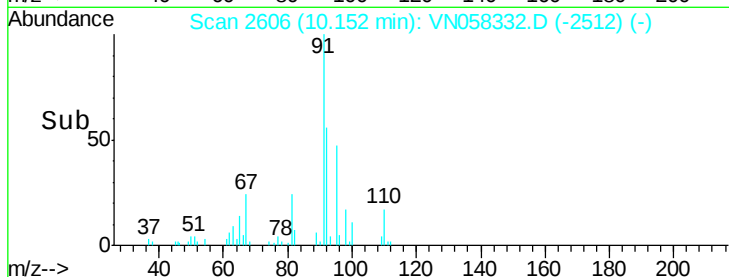
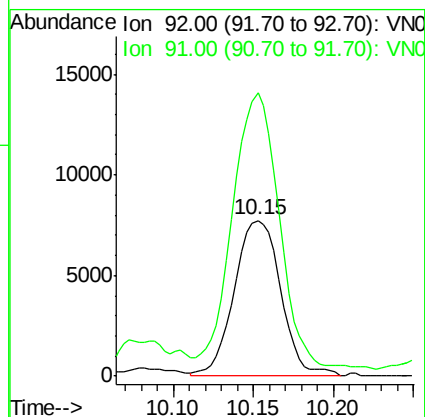
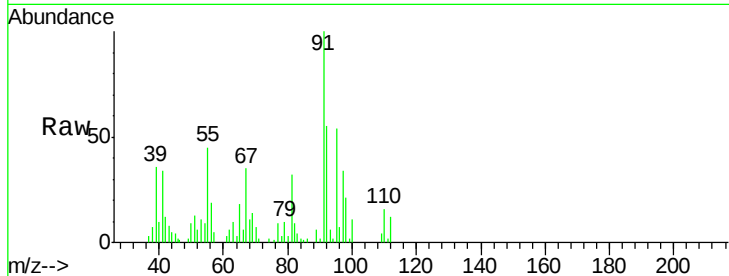
TWP-9

Tot Ion: 92 Resp: 15420

Ion Ratio Lower Upper

92 100

91 171.3 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 52.489 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

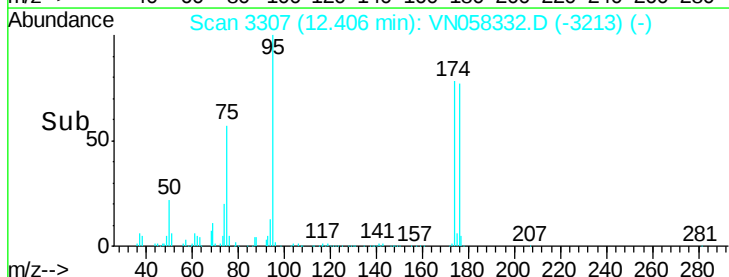
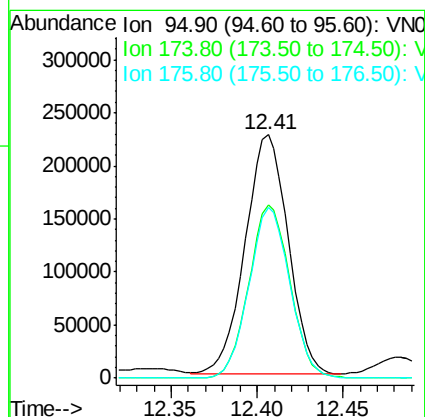
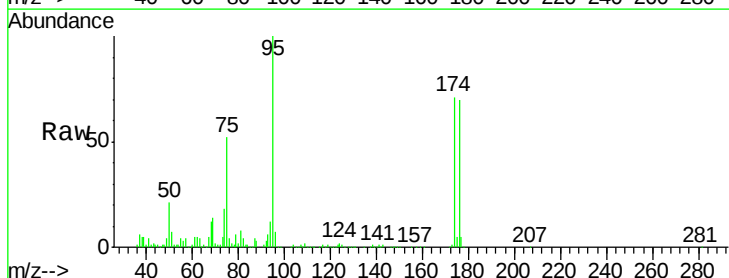
Tgt Ion: 95 Resp: 392973

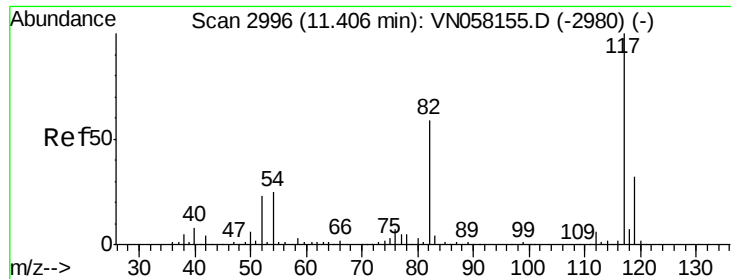
Ion Ratio Lower Upper

95 100

174 69.1 0.0 152.2

176 67.4 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: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

TWP-9

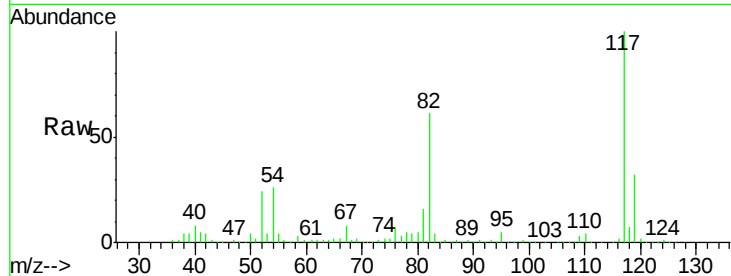
Tot Ion:117 Resp: 761196

Ion Ratio Lower Upper

117 100

82 60.0 46.9 70.3

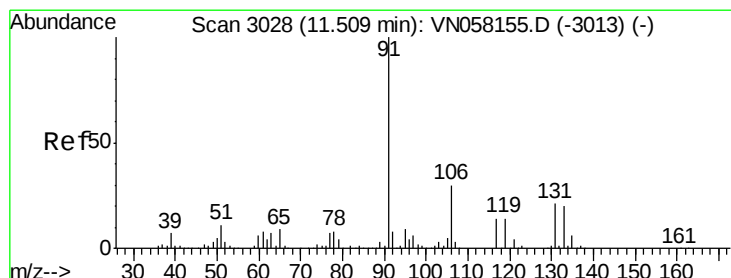
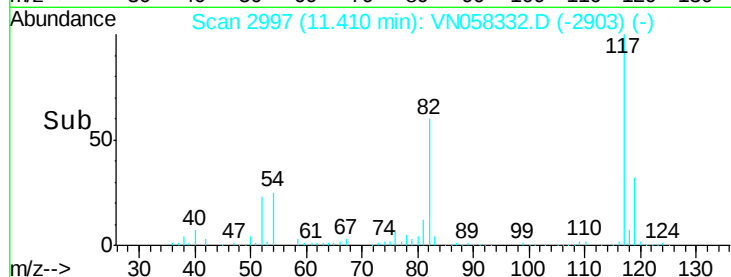
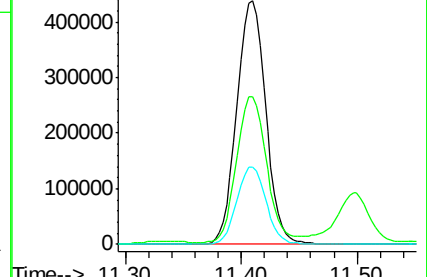
119 32.0 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.216 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058332.D

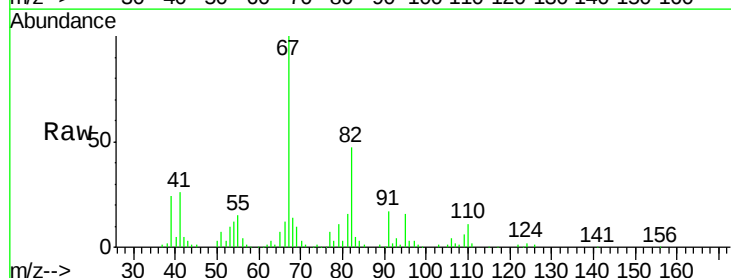
Acq: 24 Sep 2019 7:02

Tgt Ion: 91 Resp: 27898

Ion Ratio Lower Upper

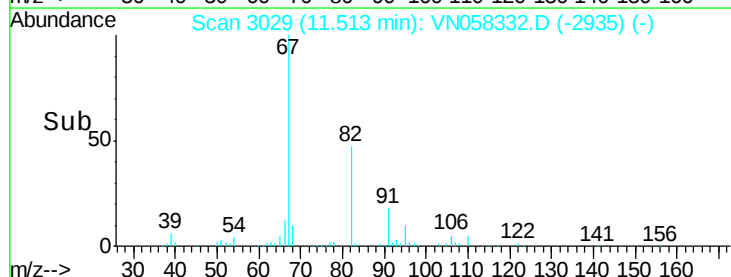
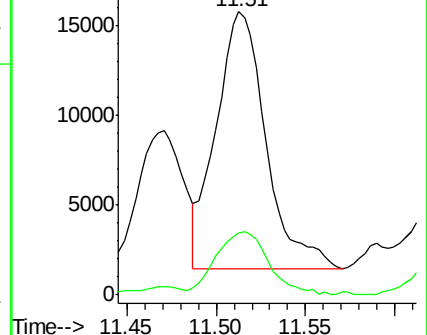
91 100

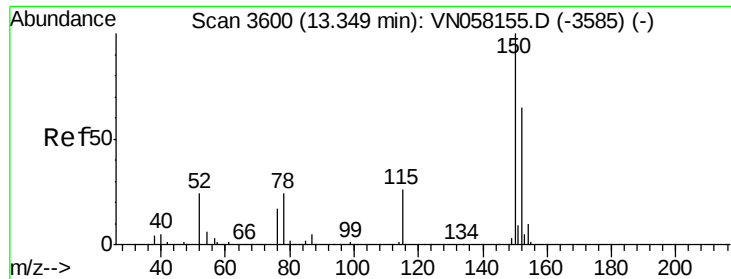
106 23.1 24.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

TWP-9

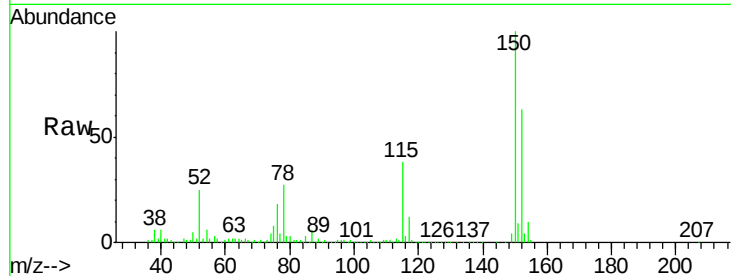
Tot Ion:152 Resp: 347379

Ion Ratio Lower Upper

152 100

115 62.2 30.1 90.3

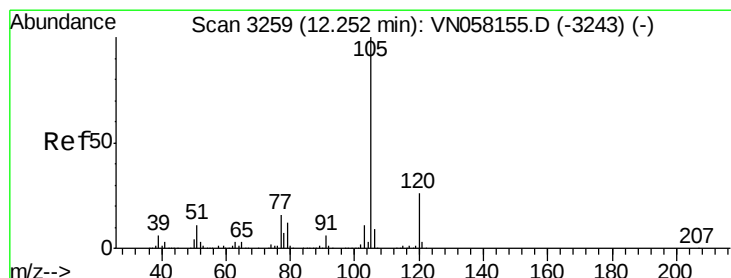
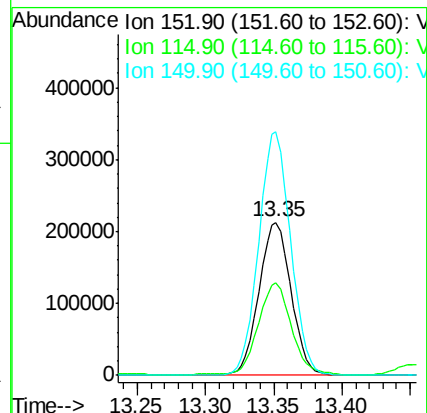
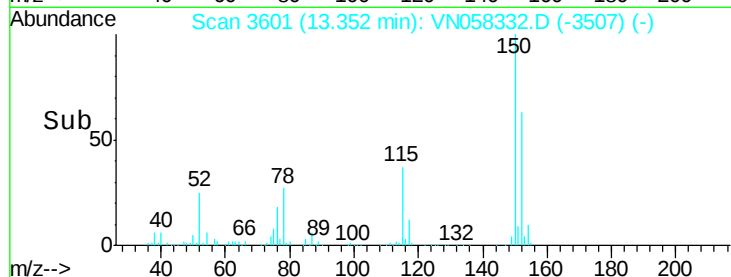
150 158.4 0.0 346.4



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: 104.496 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058332.D

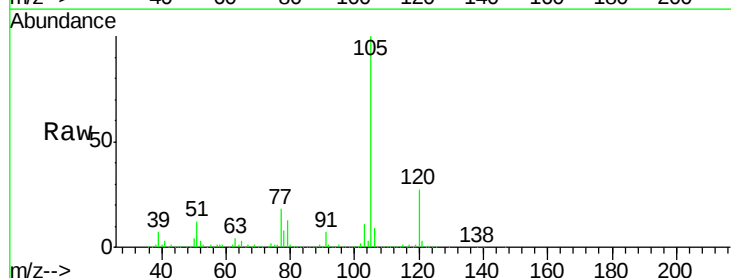
Acq: 24 Sep 2019 7:02

Tgt Ion:105 Resp: 2272139

Ion Ratio Lower Upper

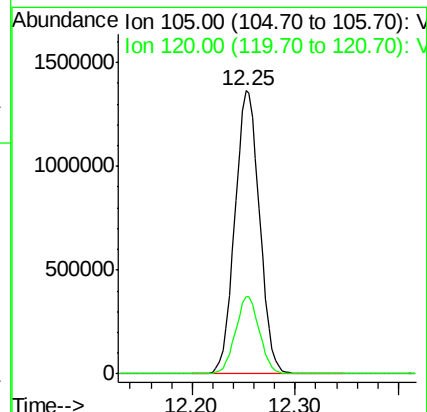
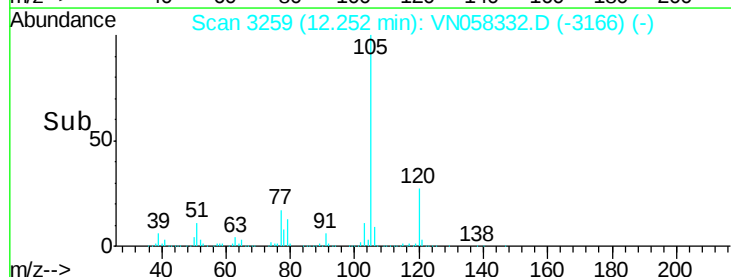
105 100

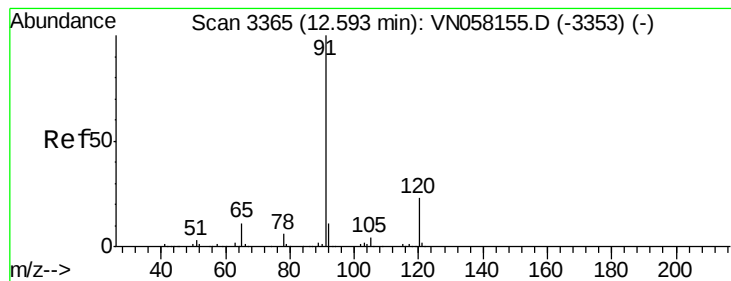
120 26.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 121.283 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

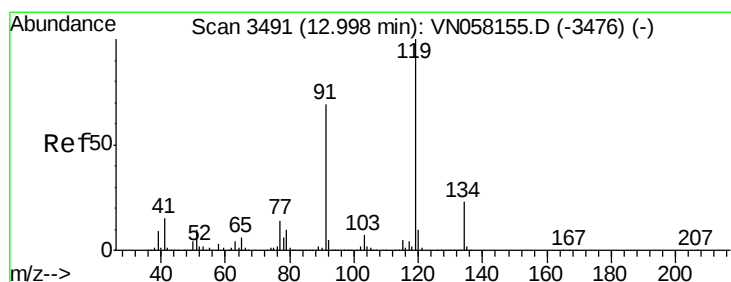
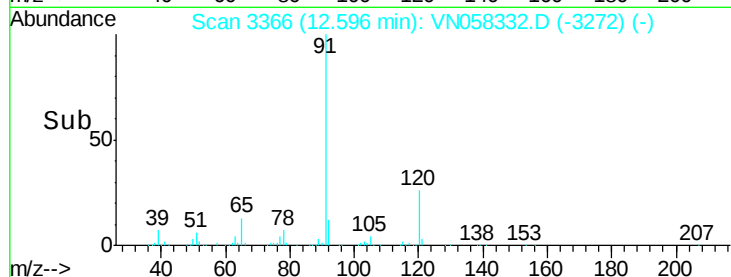
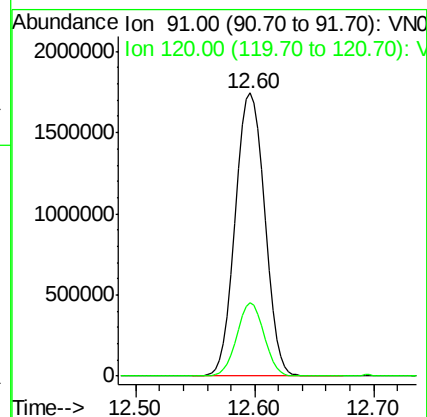
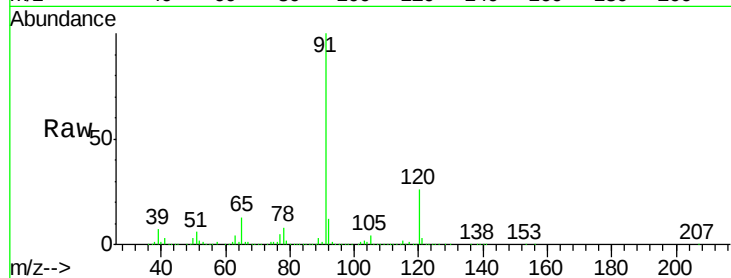
TWP-9

Tot Ion: 91 Resp: 2996713

Ion Ratio Lower Upper

91 100

120 24.0 11.1 33.3



#83

tert-Butylbenzene

Concen: 3.542 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

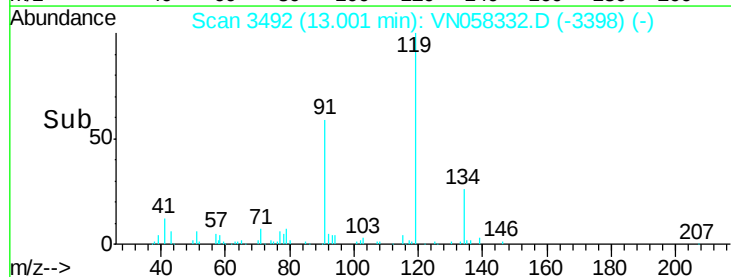
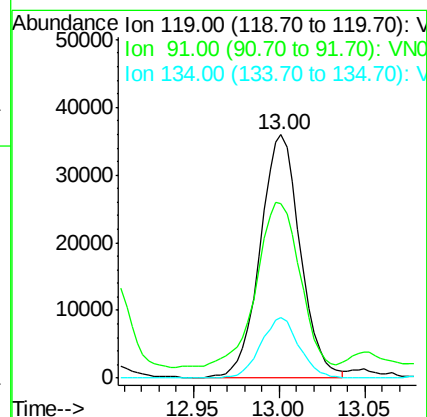
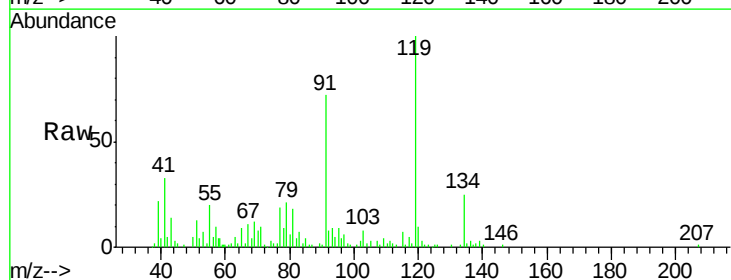
Tgt Ion: 119 Resp: 58086

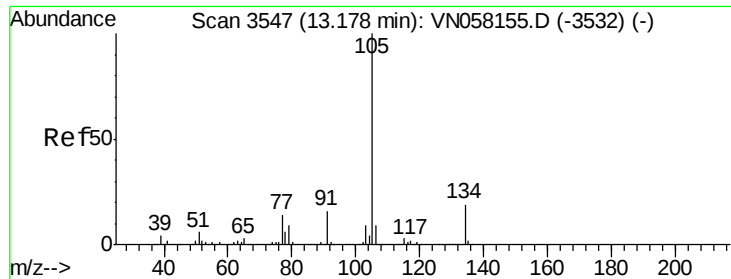
Ion Ratio Lower Upper

119 100

91 71.9 33.8 101.3

134 23.9 11.6 34.8





#85

sec-Butylbenzene

Concen: 25.905 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

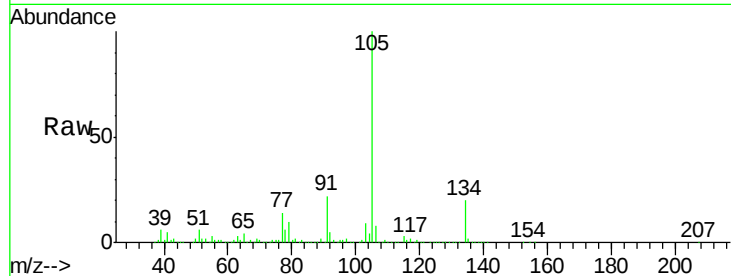
TWP-9

Tot Ion:105 Resp: 555458

Ion Ratio Lower Upper

105 100

134 27.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

400000

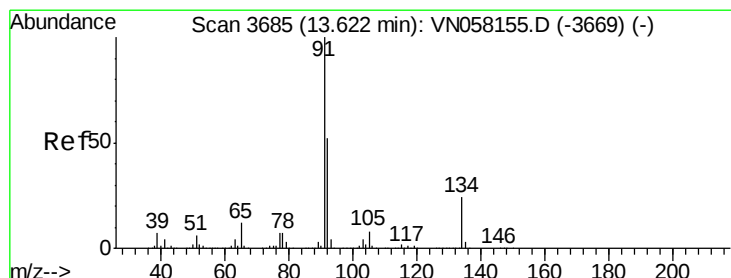
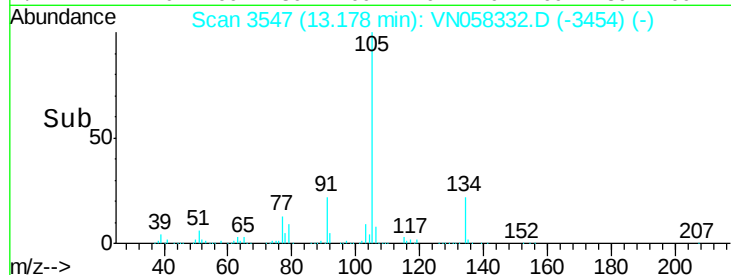
300000

200000

100000

0

Time-->



#89

n-Butylbenzene

Concen: 23.753 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

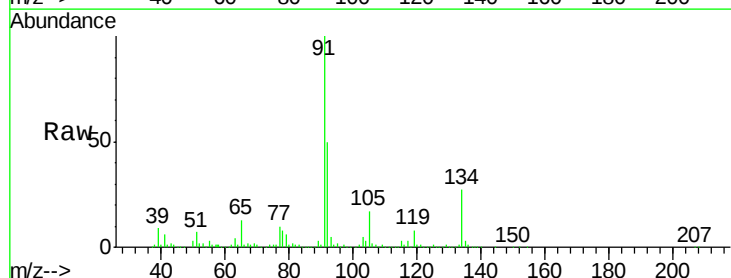
Tgt Ion: 91 Resp: 429282

Ion Ratio Lower Upper

91 100

92 44.0 25.7 77.0

134 47.8 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

400000

300000

200000

100000

0

Time-->

