

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058586.D
 Acq On : 7 Oct 2019 22:40
 Operator : JC/SP
 Sample : K5215-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40151

Quant Time: Oct 08 15:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	485797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	668049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293848	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	320774	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
35) Dibromofluoromethane	7.57	113	229746	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	10.08	98	927079	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.41	95	320719	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	

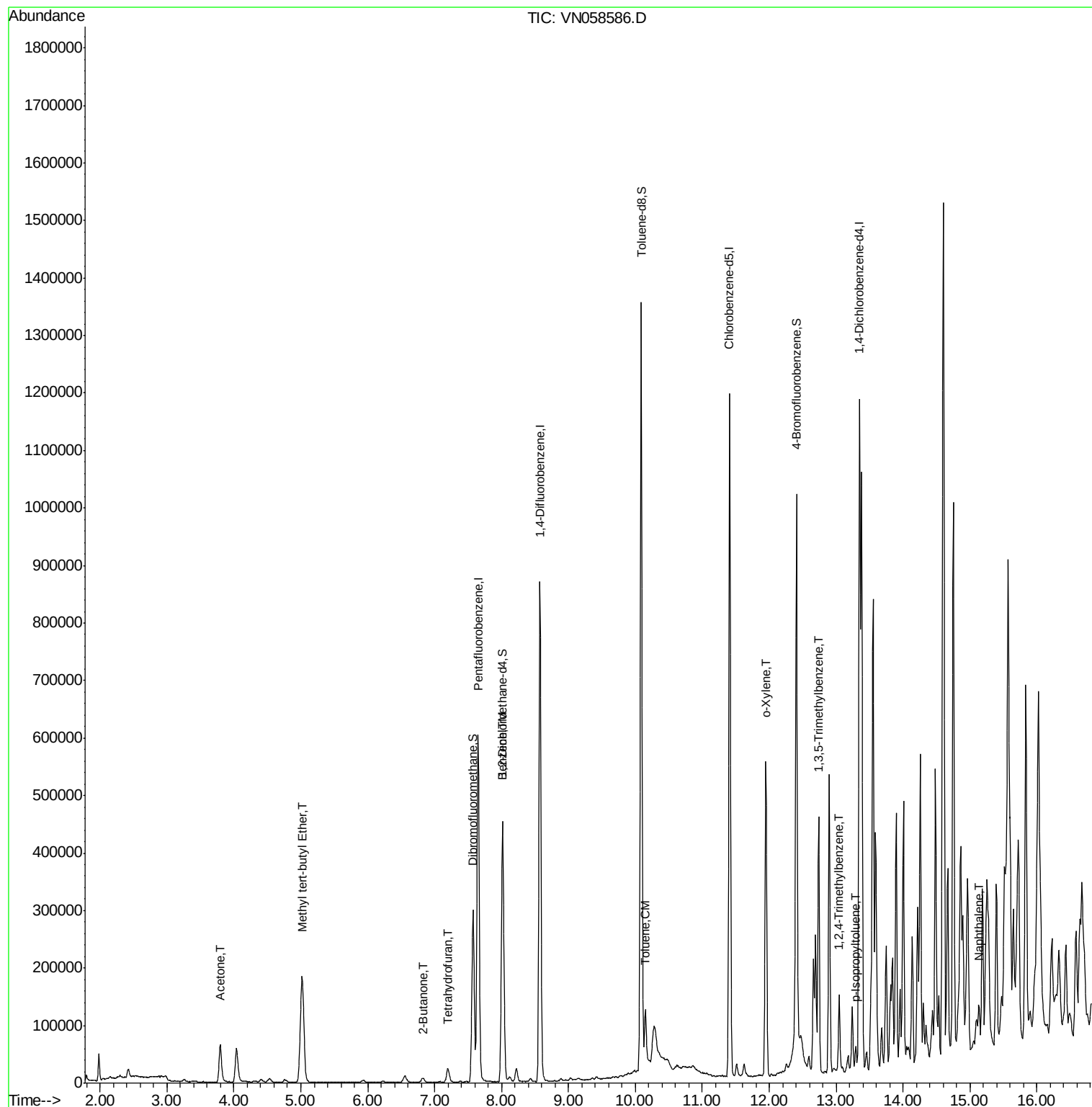
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	110599	45.702	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	318217	19.680	ug/l	99
25) 2-Butanone	6.82	43	12321	3.708	ug/l	91
29) Tetrahydrofuran	7.20	42	18390	8.720	ug/l	97
40) Benzene	8.03	78	137173	6.561	ug/l	100
52) Toluene	10.15	92	40075	3.045	ug/l	99
69) o-Xylene	11.95	106	148542	17.051	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	235814	12.972	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	73940	4.060	ug/l	99
86) p-Isopropyltoluene	13.29	119	23882	1.344	ug/l	94
95) Naphthalene	15.13	128	41191	2.842	ug/l	98

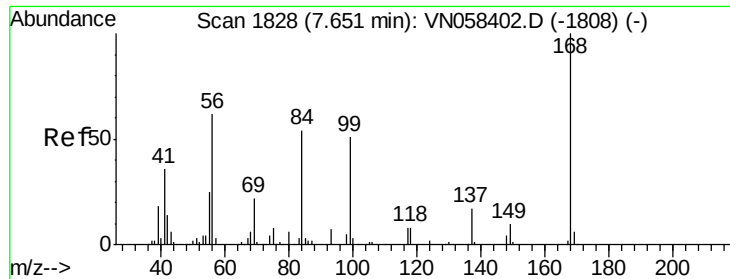
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
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QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058586.D

Acq: 7 Oct 2019 22:40

Instrument :

MSVOA_N

ClientSampled :

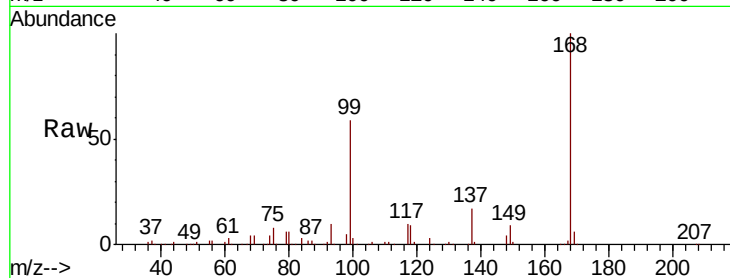
40151

Tot Ion:168 Resp: 485797

Ion Ratio Lower Upper

168 100

99 59.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

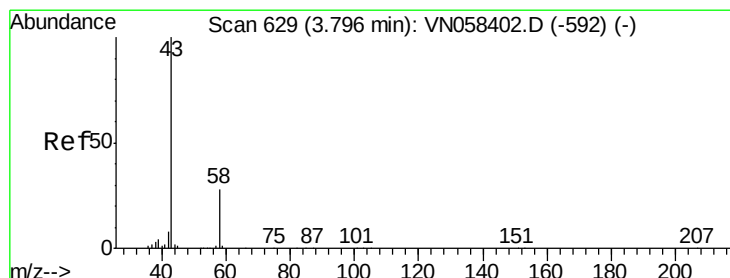
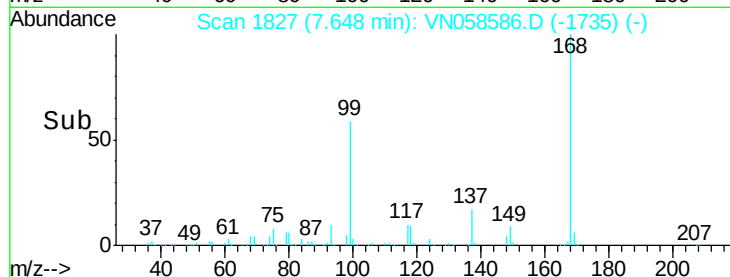
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 45.702 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058586.D

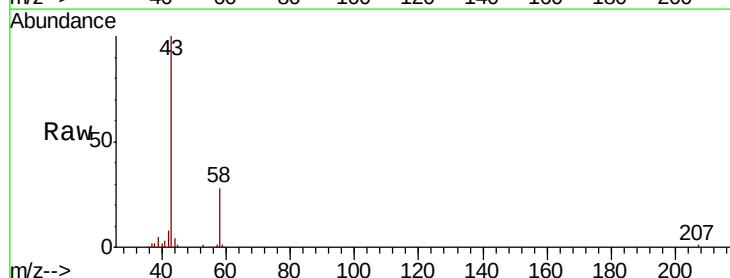
Acq: 7 Oct 2019 22:40

Tgt Ion: 43 Resp: 110599

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

50000

40000

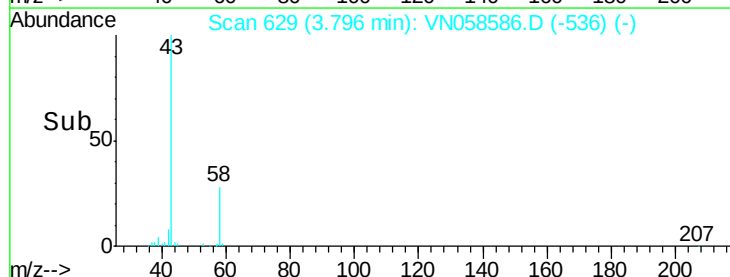
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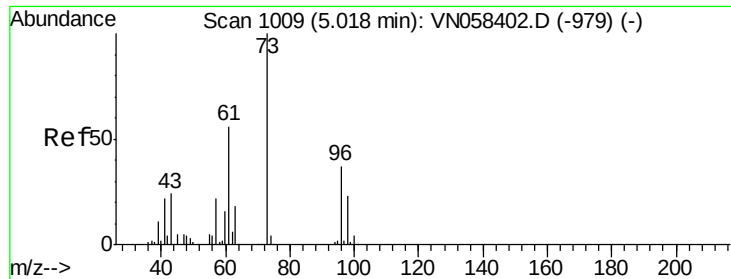
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10000

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Time-->

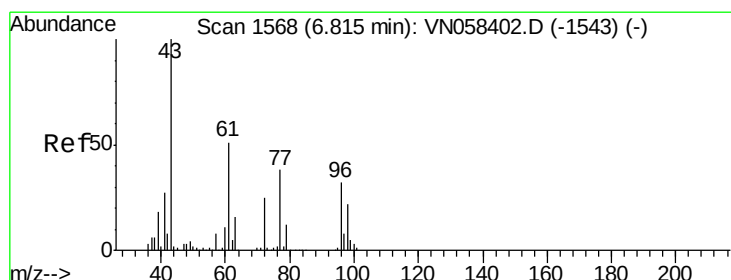
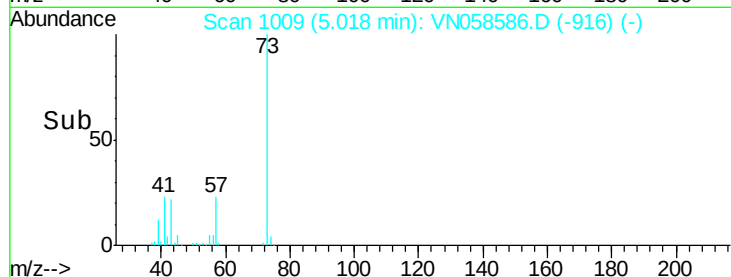
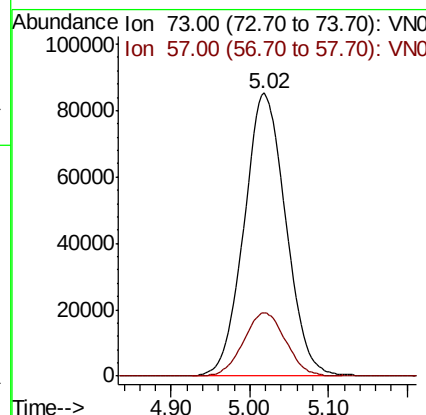
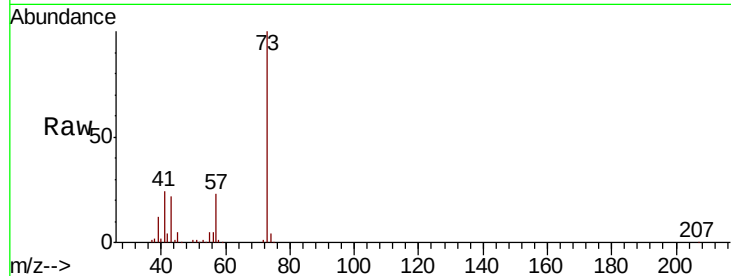




#19
Methvl tert-butvl Ether
Concen: 19.680 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

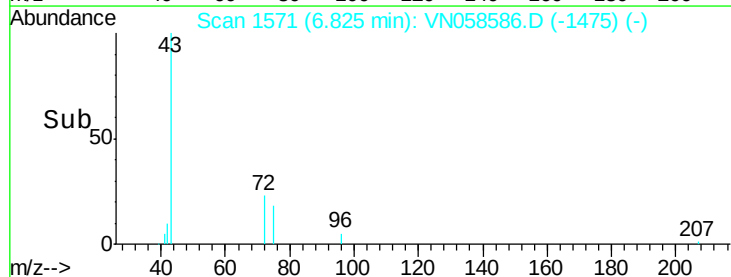
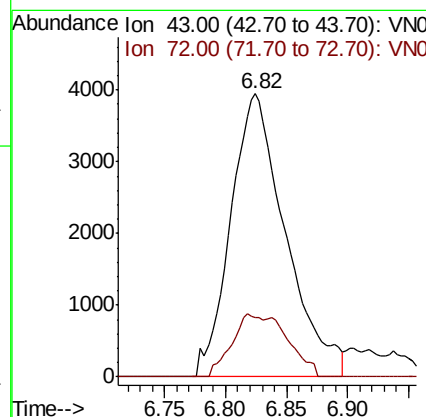
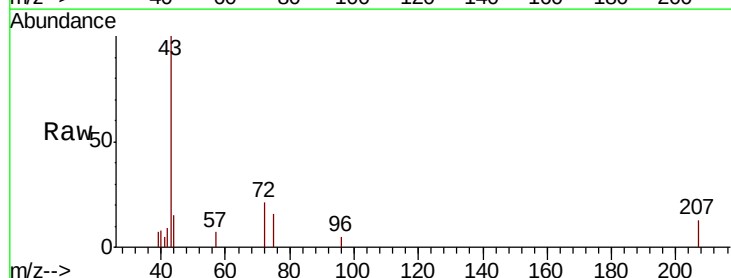
Instrument :
MSVOA_N
ClientSampleId :
40151

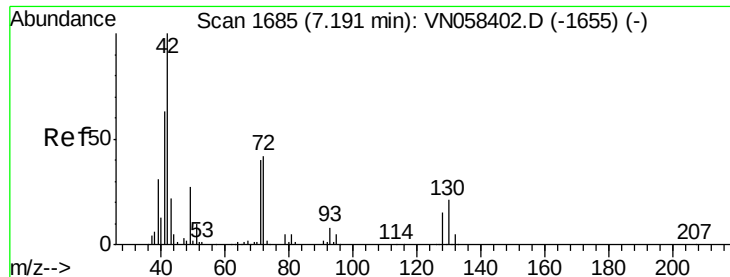
Tot Ion: 73 Resp: 318217
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#25
2-Butanone
Concen: 3.708 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

Tgt Ion: 43 Resp: 12321
Ion Ratio Lower Upper
43 100
72 20.9 20.2 30.4

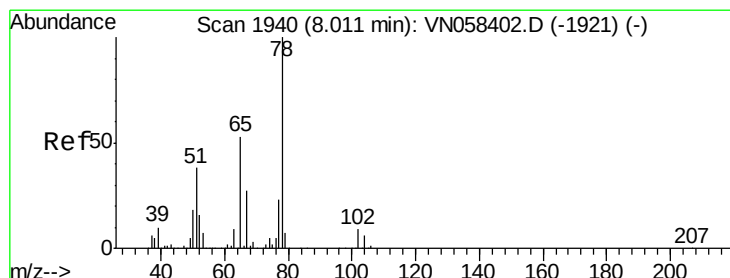
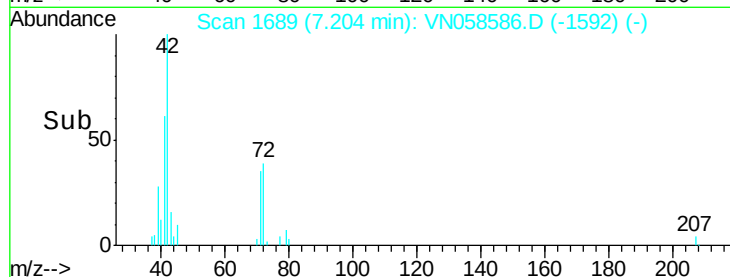
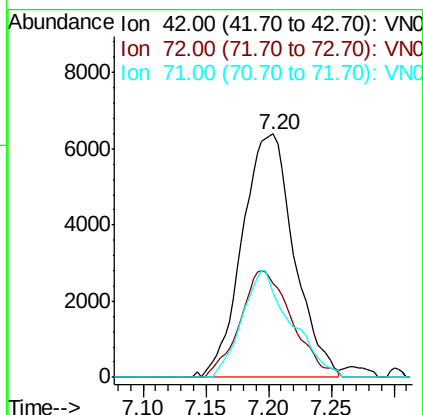
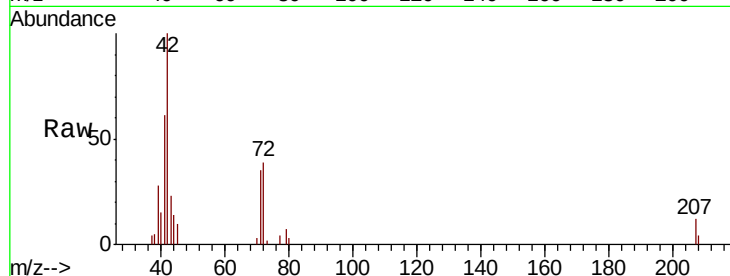




#29
Tetrahydrofuran
Concen: 8.720 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

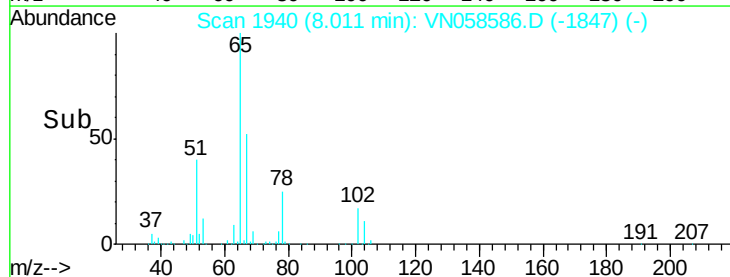
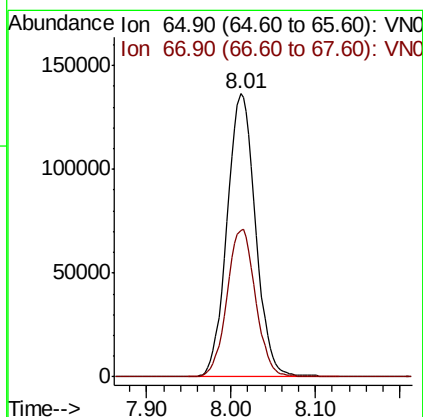
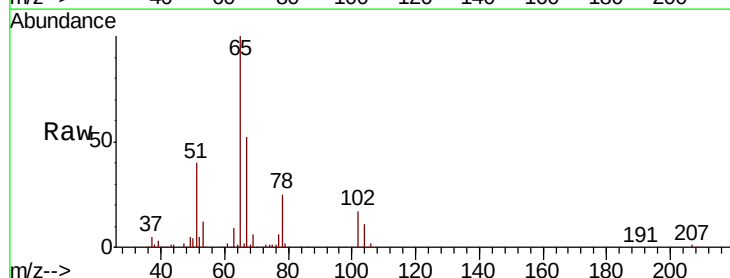
Instrument :
MSVOA_N
ClientSampled :
40151

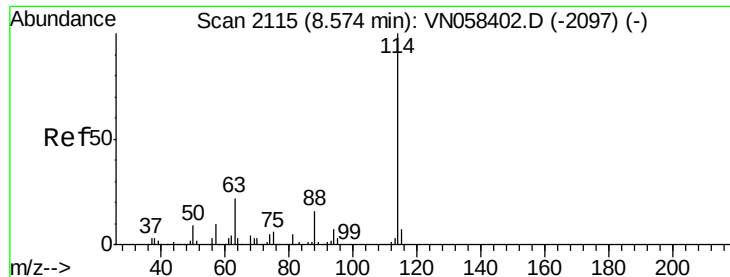
Tot Ion: 42 Resp: 18390
Ion Ratio Lower Upper
42 100
72 43.9 33.7 50.5
71 41.5 31.8 47.6



#33
1,2-Dichloroethane-d4
Concen: 45.185 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

Tgt Ion: 65 Resp: 320774
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.4

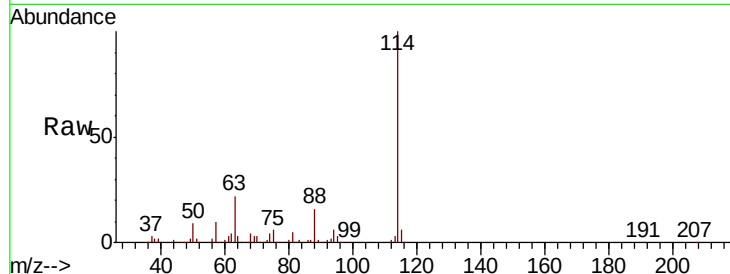




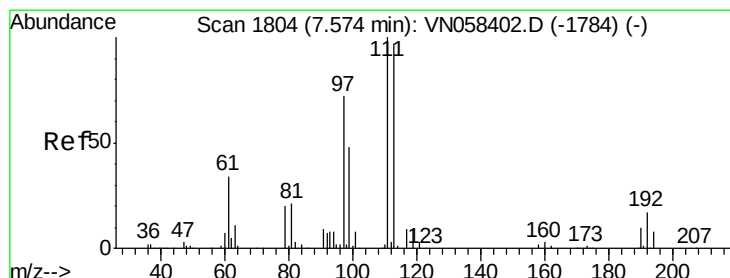
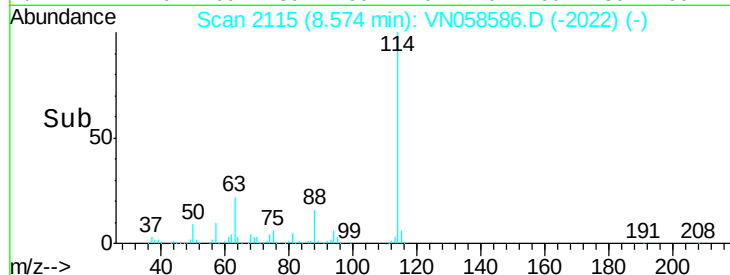
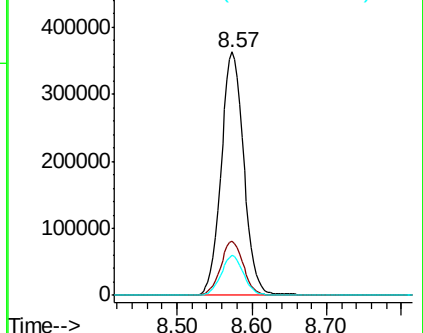
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 40151

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.0
88	16.3	0.0	32.2

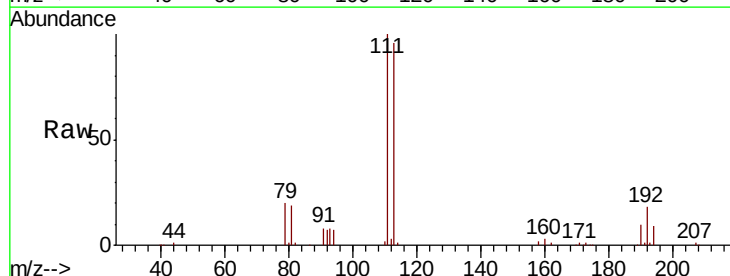


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

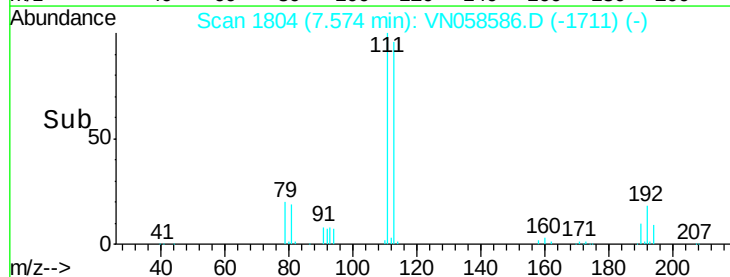
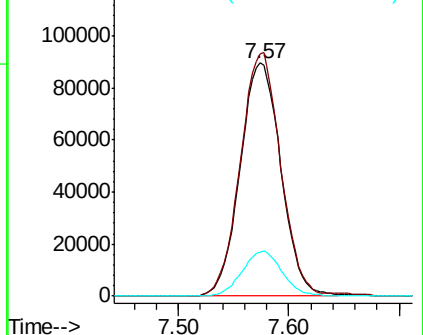


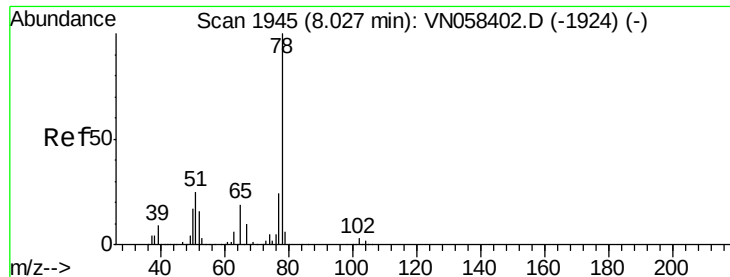
#35
 Dibromofluoromethane
 Concen: 49.281 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.2
192	19.0	14.9	22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 6.561 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058586.D

Acq: 7 Oct 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

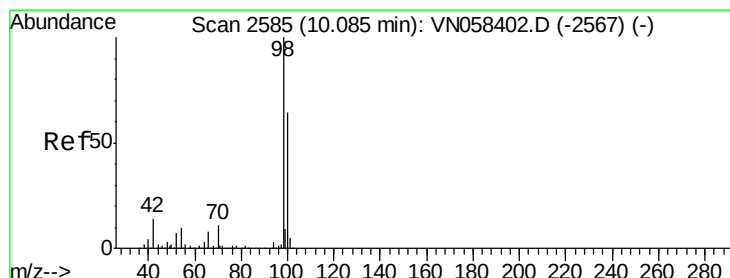
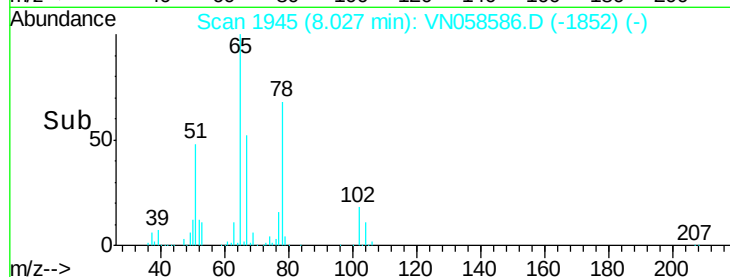
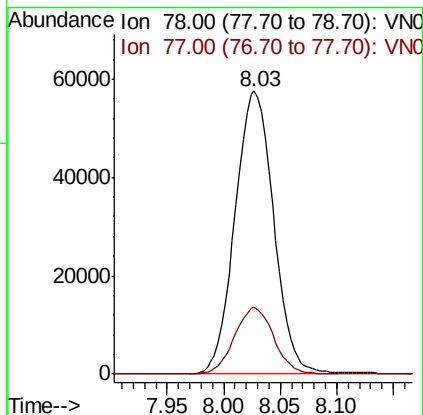
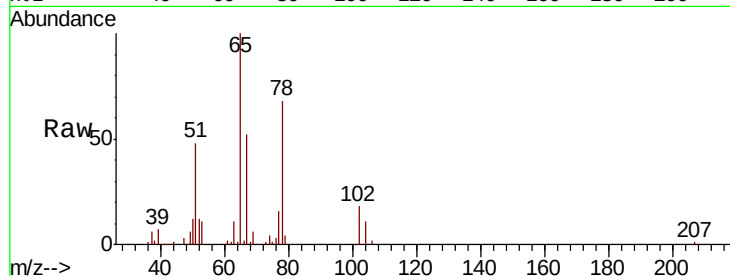
40151

Tot Ion: 78 Resp: 137173

Ion Ratio Lower Upper

78 100

77 23.7 18.9 28.3



#50

Toluene-d8

Concen: 50.763 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058586.D

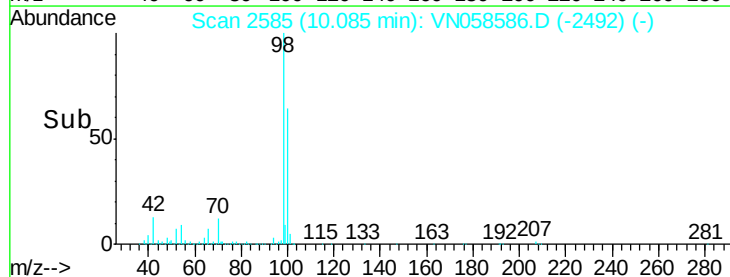
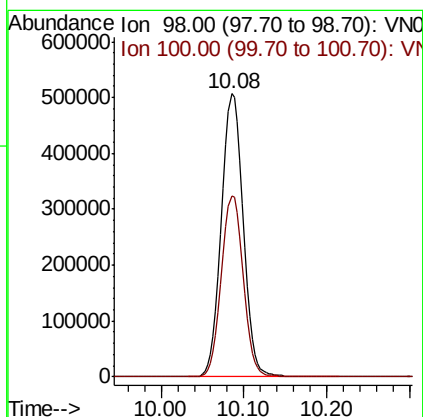
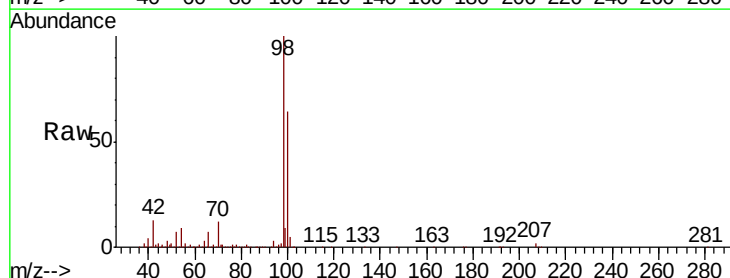
Acq: 7 Oct 2019 22:40

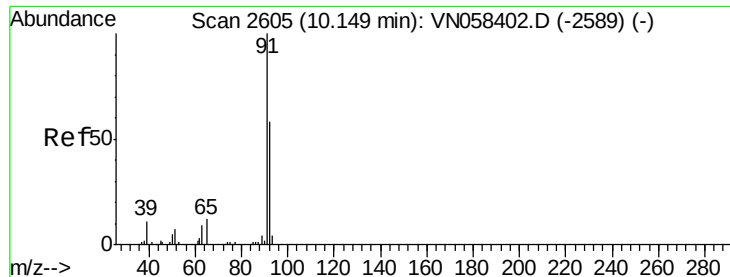
Tgt Ion: 98 Resp: 927079

Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6





#52

Toluene

Concen: 3.045 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058586.D

Acq: 7 Oct 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

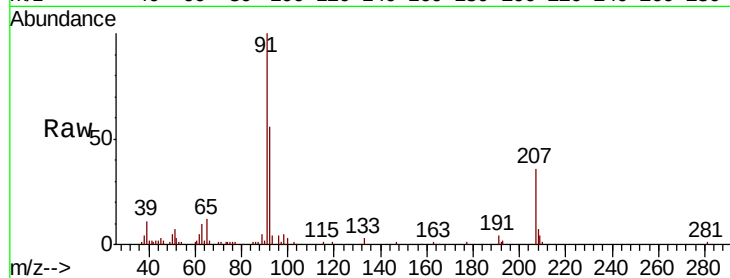
40151

Tot Ion: 92 Resp: 40075

Ion Ratio Lower Upper

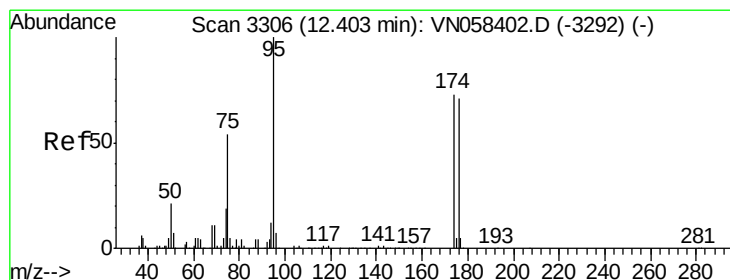
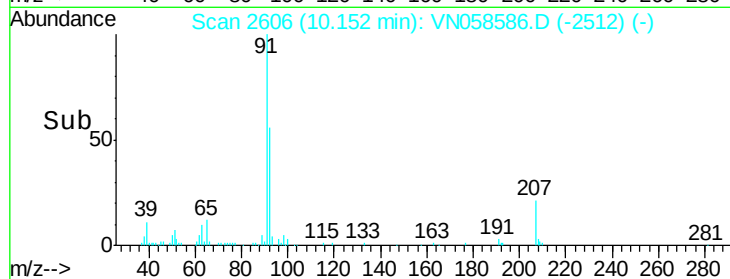
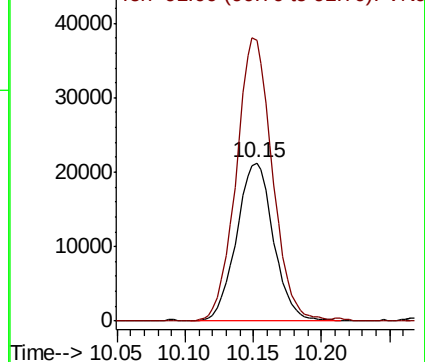
92 100

91 174.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.568 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058586.D

Acq: 7 Oct 2019 22:40

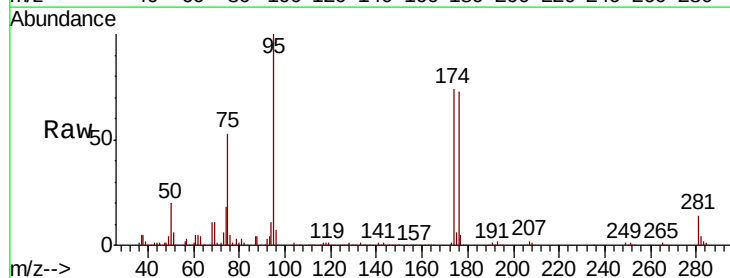
Tgt Ion: 95 Resp: 320719

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.6

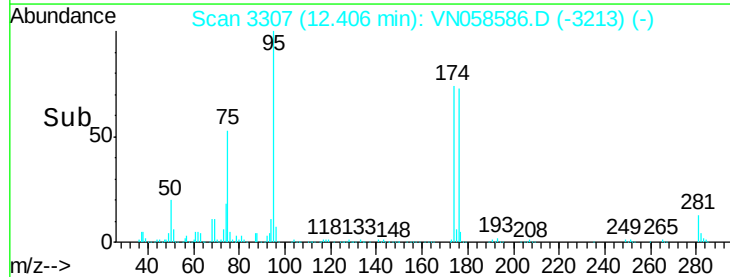
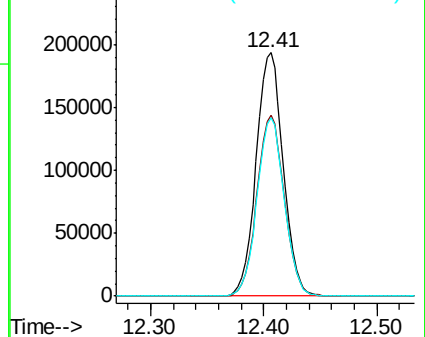
176 73.9 0.0 146.2

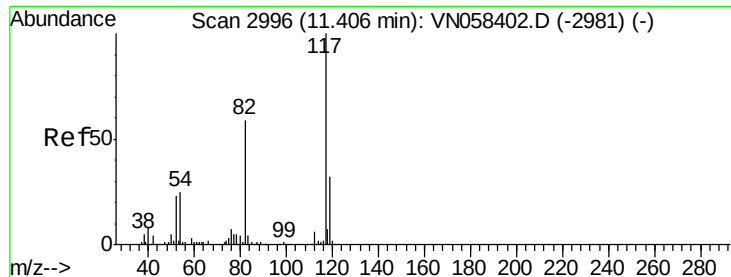


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

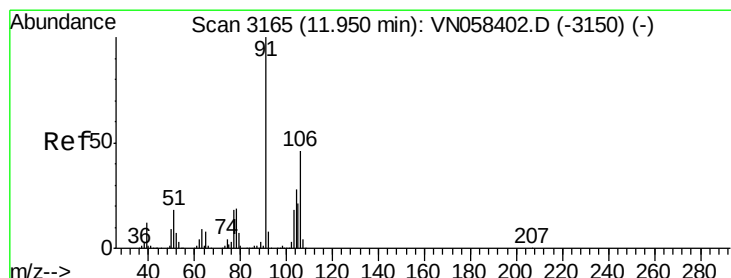
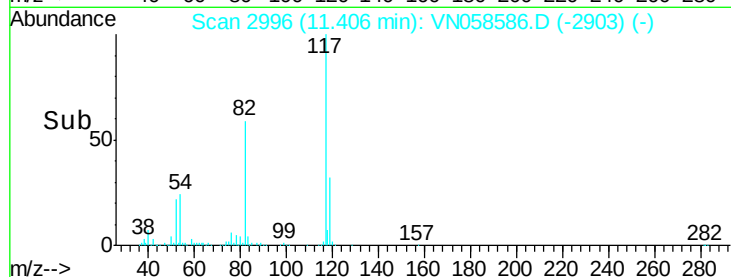
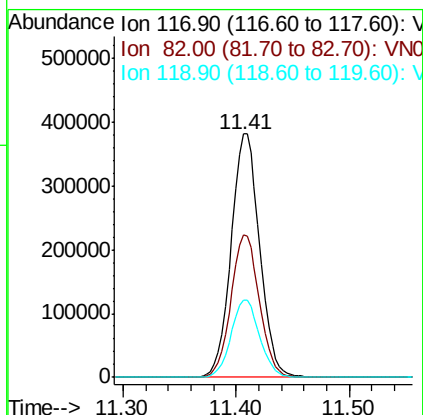
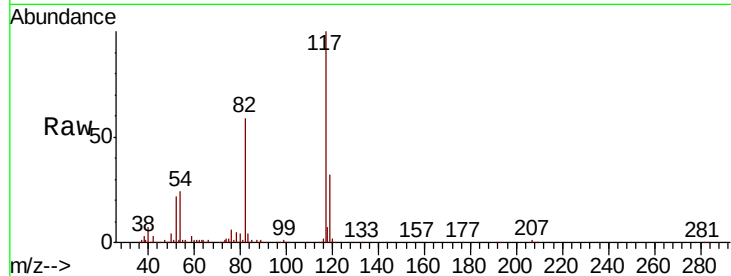




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

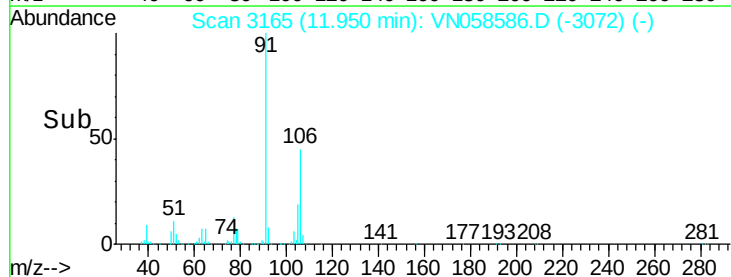
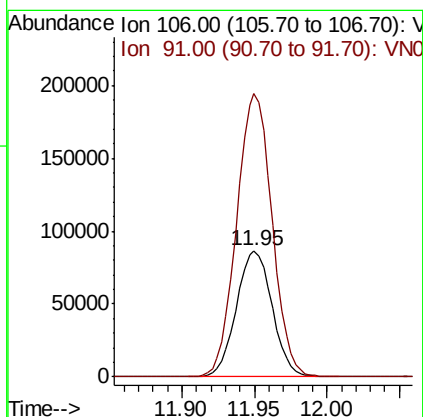
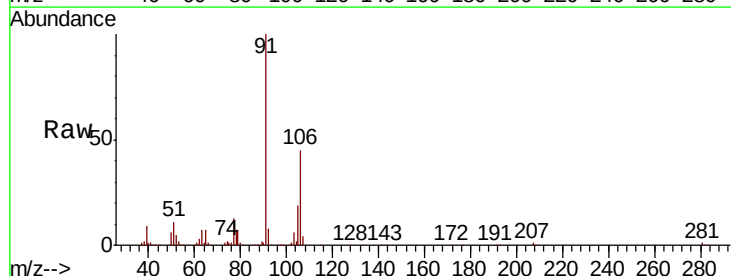
Instrument :
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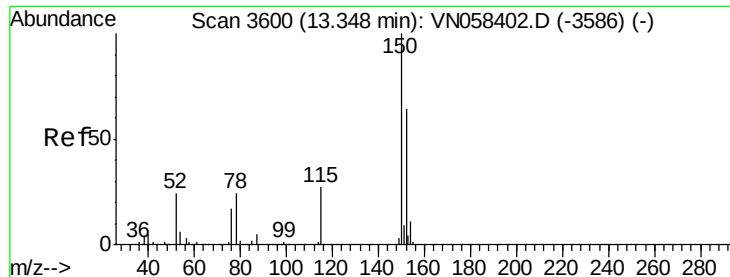
Tot Ion:117 Resp: 668049
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.0
119 31.8 25.5 38.3



#69
o-Xylene
Concen: 17.051 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058586.D
Acq: 7 Oct 2019 22:40

Tgt Ion:106 Resp: 148542
Ion Ratio Lower Upper
106 100
91 222.8 109.1 327.4

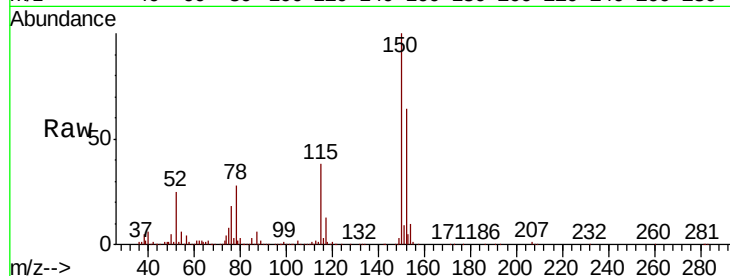




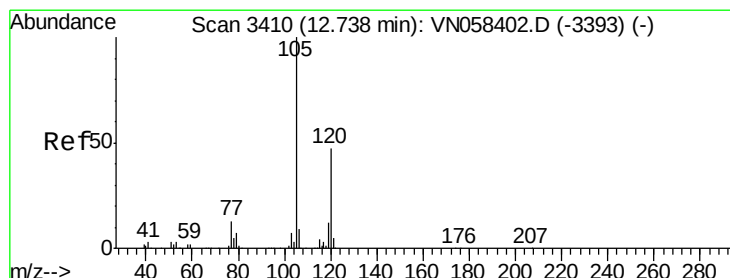
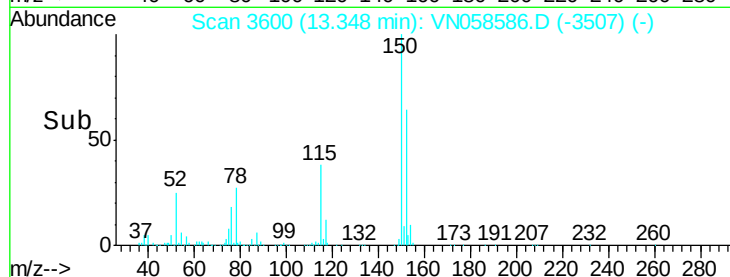
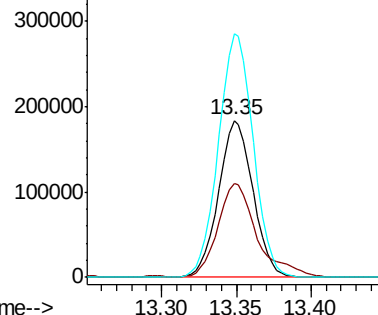
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

Instrument :
 MSVOA_N
 ClientSampled :
 40151

Tot Ion	Ratio	Lower	Upper
152	100		
115	67.7	30.0	90.0
150	157.4	0.0	348.2

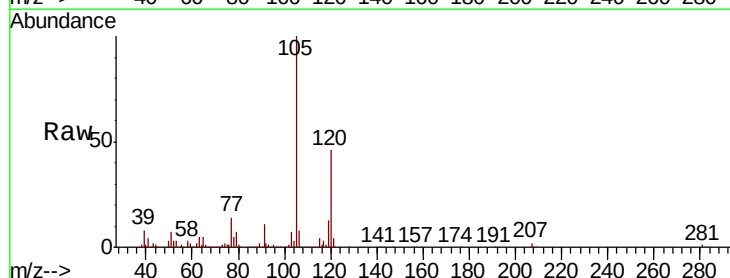


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

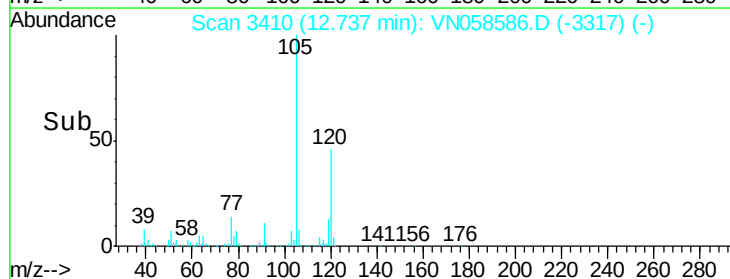
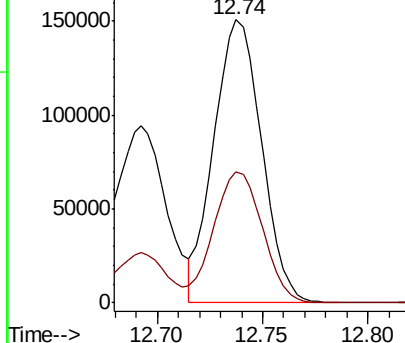


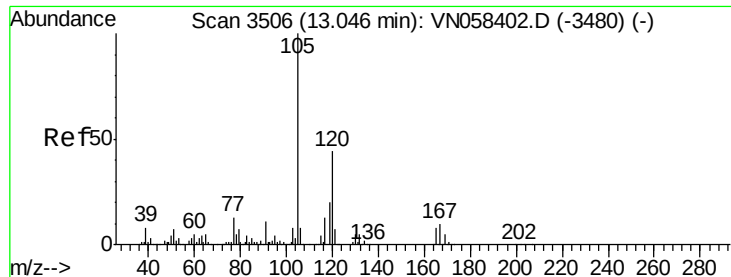
#80
 1,3,5-Trimethylbenzene
 Concen: 12.972 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.5	70.6



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

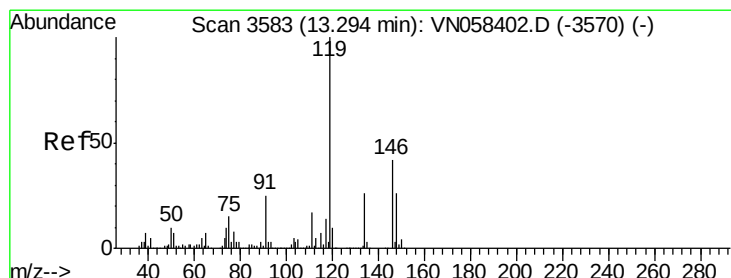
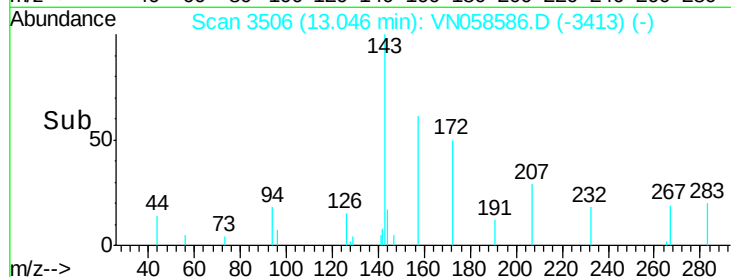
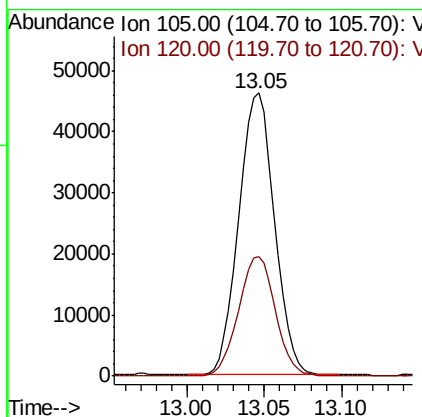
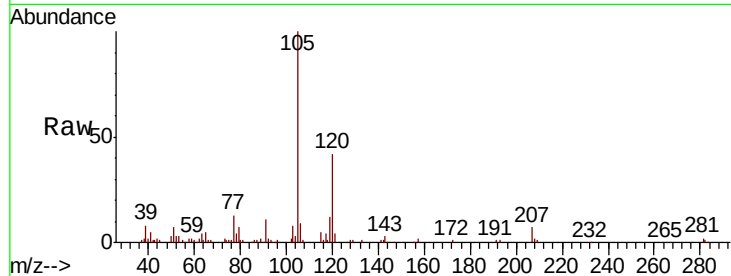




#84
 1,2,4-Trimethylbenzene
 Concen: 4.060 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

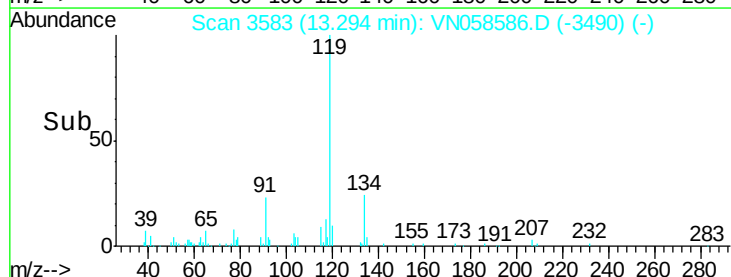
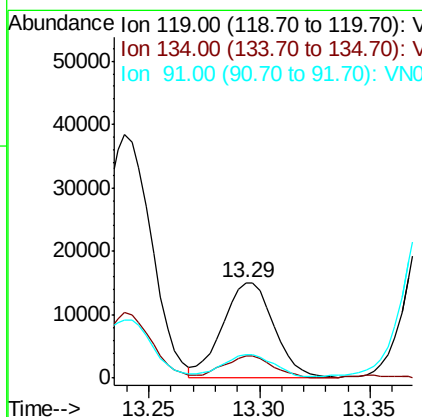
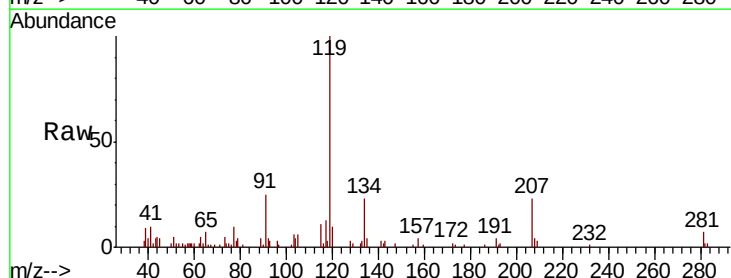
Instrument :
 MSVOA_N
 ClientSampled :
 40151

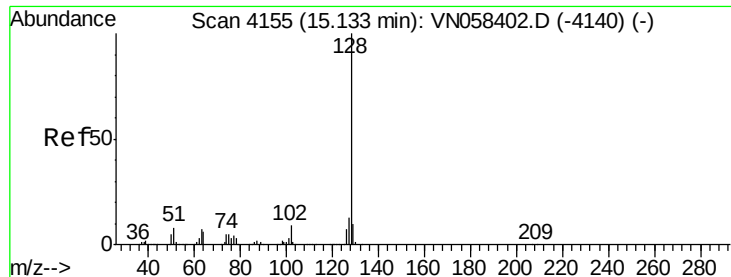
Tot Ion:105 Resp: 73940
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.7 65.1



#86
 p-Isopropyltoluene
 Concen: 1.344 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058586.D
 Acq: 7 Oct 2019 22:40

Tgt Ion:119 Resp: 23882
 Ion Ratio Lower Upper
 119 100
 134 23.1 13.0 39.0
 91 21.7 12.4 37.0





#95

Naphthalene

Concen: 2.842 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058586.D

Acq: 7 Oct 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

40151

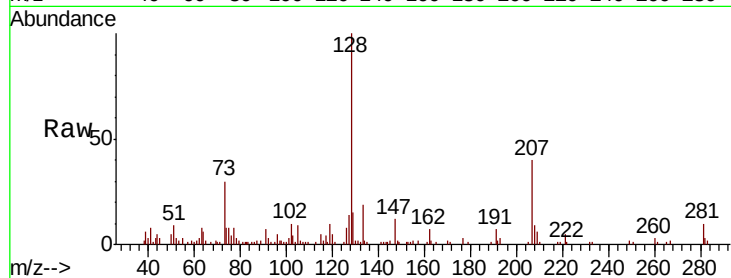
Tot Ion:128 Resp: 41191

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 8.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

