

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058513.D
 Acq On : 3 Oct 2019 16:28
 Operator : JC/SP
 Sample : K5156-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

Quant Time: Oct 04 04:49:40 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	339669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	572012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224456	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	251895	50.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.50%	
35) Dibromofluoromethane	7.57	113	173133	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	721383	52.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.41	95	243573	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	

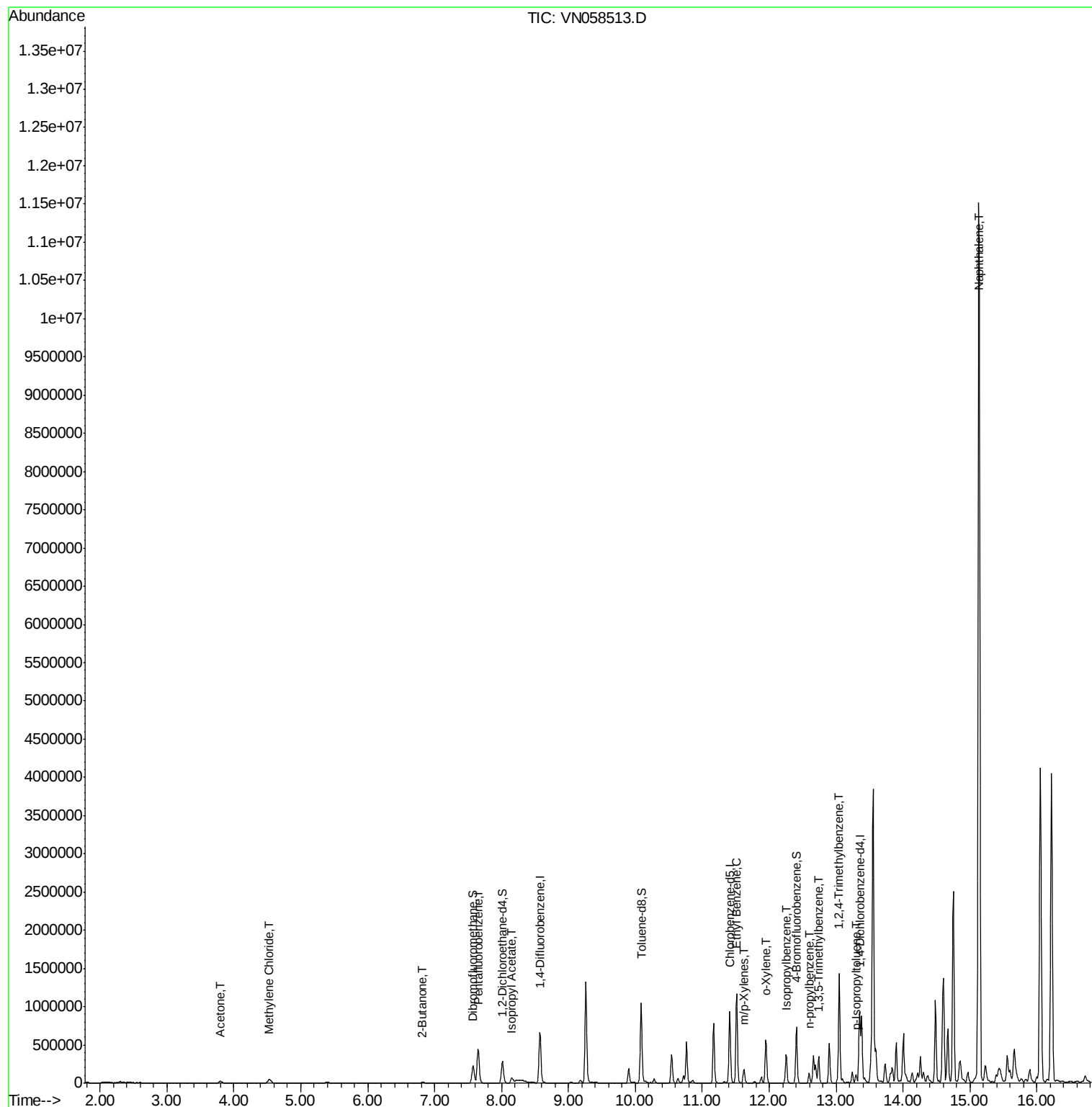
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	42897	25.352	ug/l	94
20) Methylene Chloride	4.53	84	36816	9.428	ug/l	97
25) 2-Butanone	6.82	43	13734	5.912	ug/l	95
43) Isopropyl Acetate	8.15	43	88702	10.172	ug/l	97
67) Ethyl Benzene	11.51	91	842811	46.671	ug/l	99
68) m/p-Xylenes	11.62	106	53318	7.847	ug/l	93
69) o-Xylene	11.95	106	146653	22.422	ug/l	97
73) Isopropylbenzene	12.25	105	239369	14.430	ug/l	100
78) n-propylbenzene	12.60	91	106411	5.694	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	182949	13.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	785935	56.493	ug/l	99
86) p-Isopropyltoluene	13.30	119	51670	3.806	ug/l	95
95) Naphthalene	15.13	128	6041261	551.191	ug/l #	64

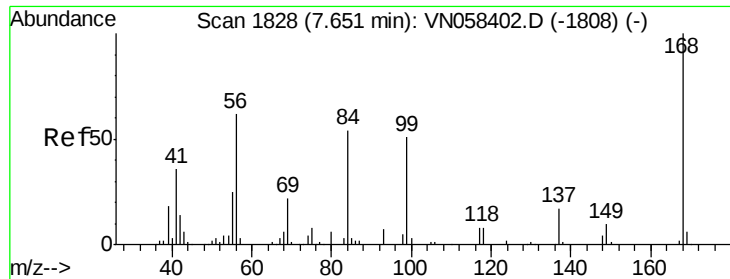
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

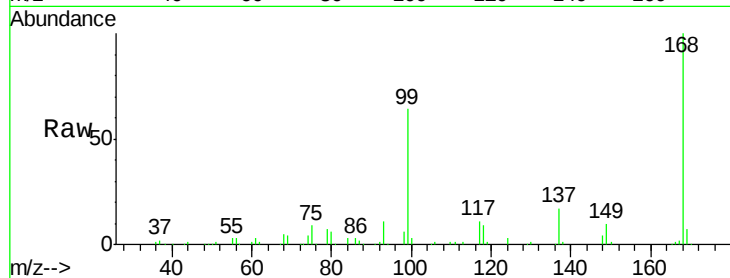
PSEG-GAS

Tot Ion:168 Resp: 339669

Ion Ratio Lower Upper

168 100

99 63.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

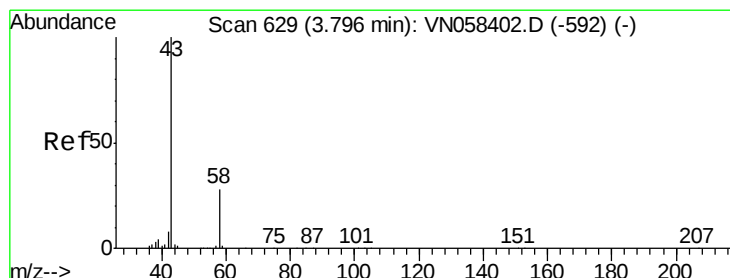
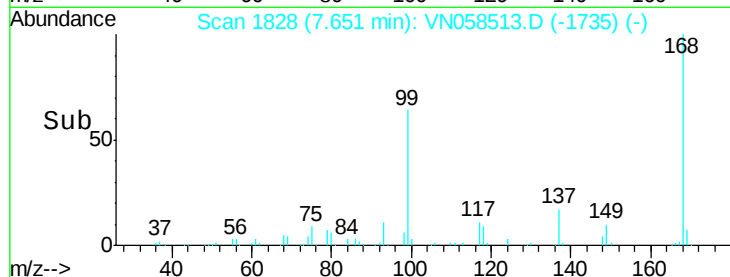
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 25.352 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058513.D

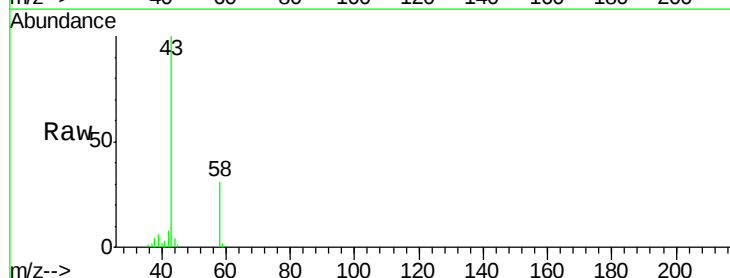
Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 42897

Ion Ratio Lower Upper

43 100

58 31.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

15000

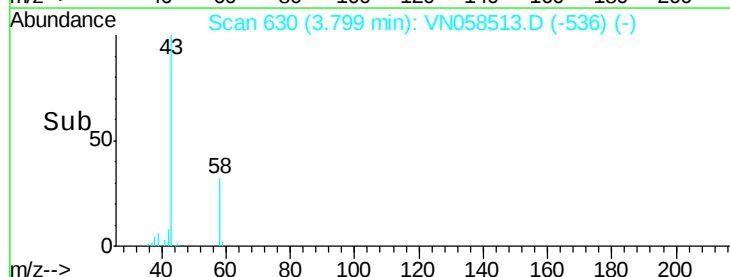
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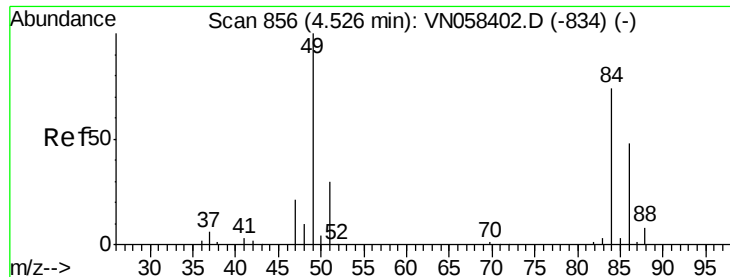
5000

0

3.70 3.80 3.90

Time-->

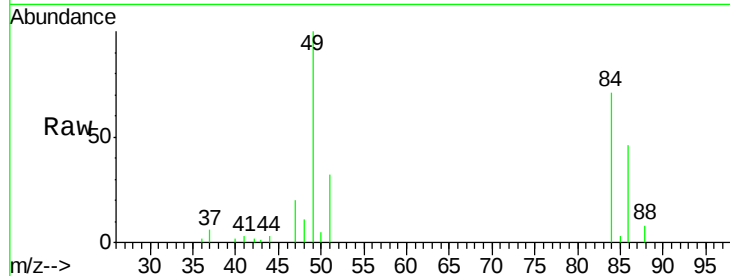




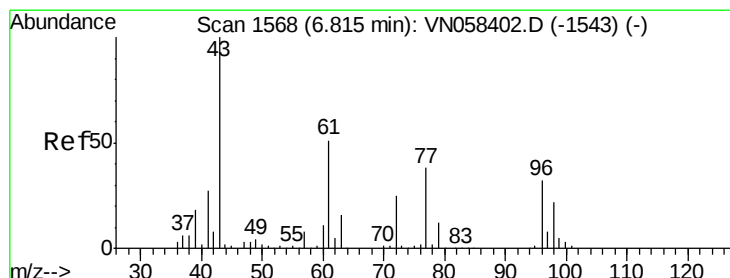
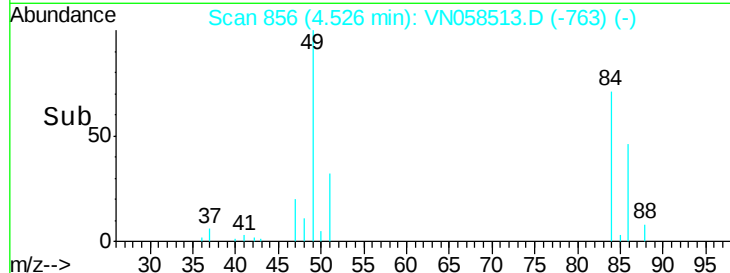
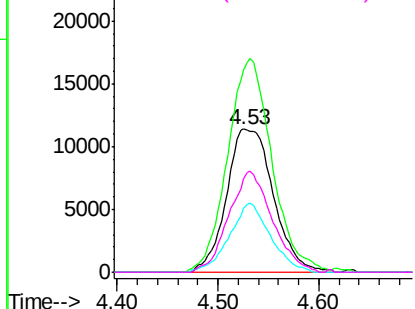
#20
Methvlene Chloride
Concen: 9.428 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

Tot Ion: 84 Resp: 36816
Ion Ratio Lower Upper
84 100
49 139.4 107.9 161.9
51 44.5 32.8 49.2
86 64.9 51.5 77.3

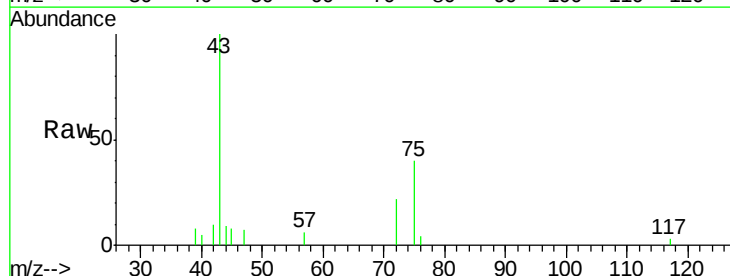


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

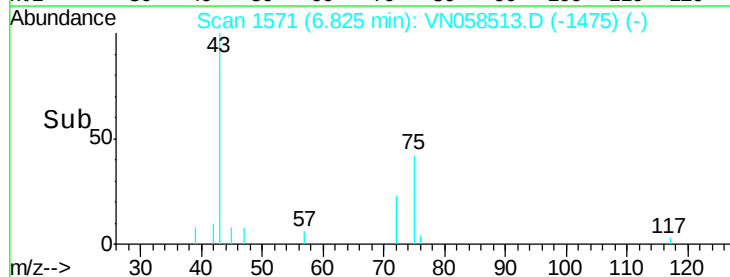
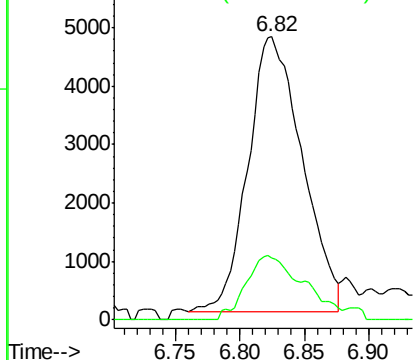


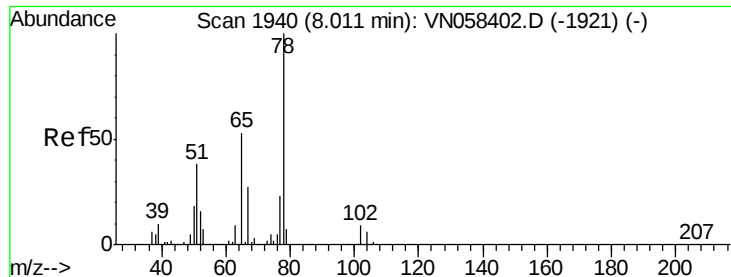
#25
2-Butanone
Concen: 5.912 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 13734
Ion Ratio Lower Upper
43 100
72 22.6 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.747 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

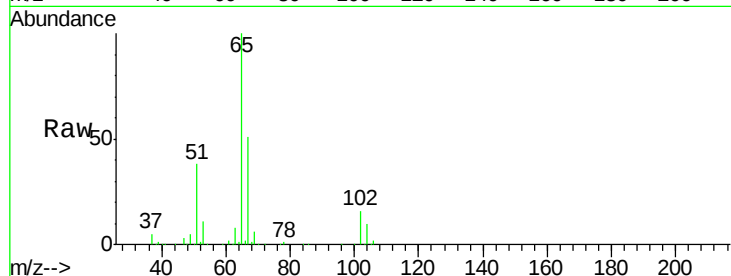
PSEG-GAS

Tot Ion: 65 Resp: 251895

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

120000

100000

80000

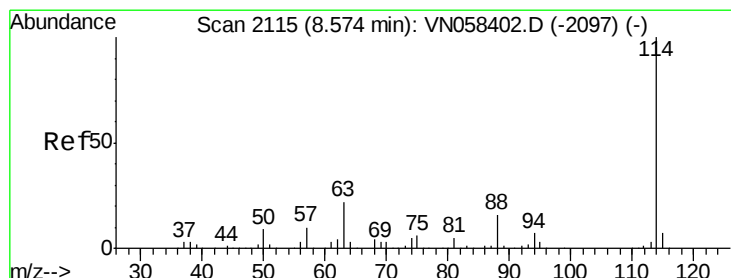
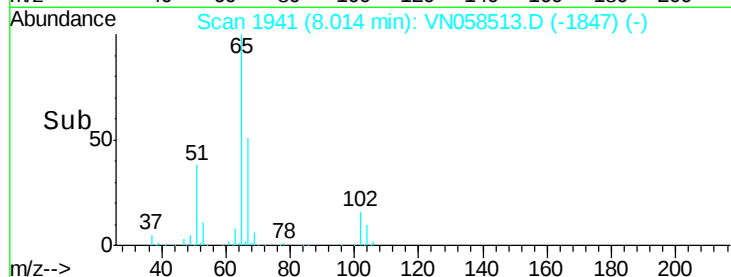
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

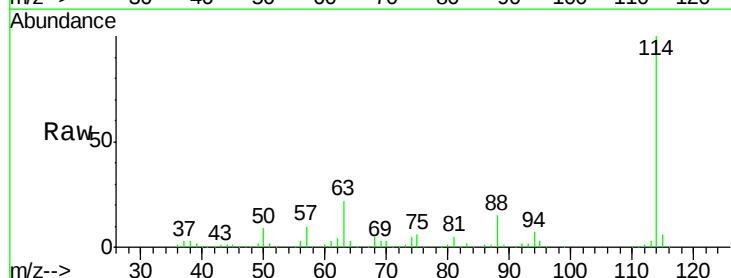
Tgt Ion: 114 Resp: 572012

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 15.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

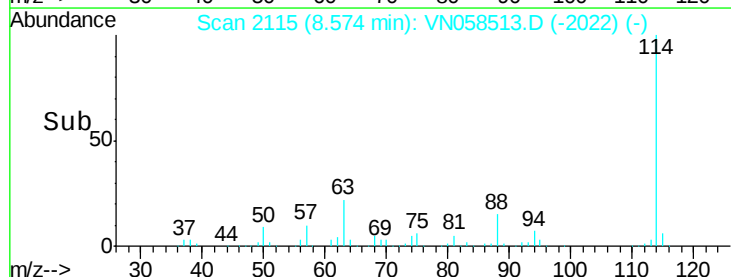
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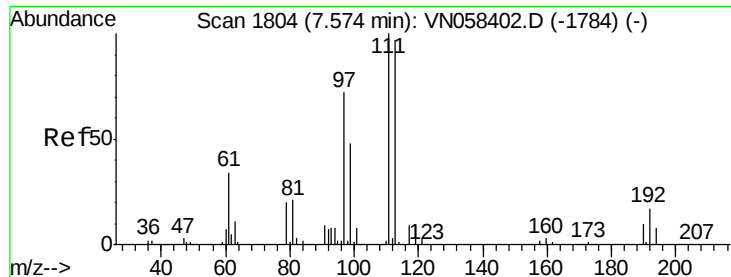
200000

100000

0

Time--> 8.50 8.60 8.70

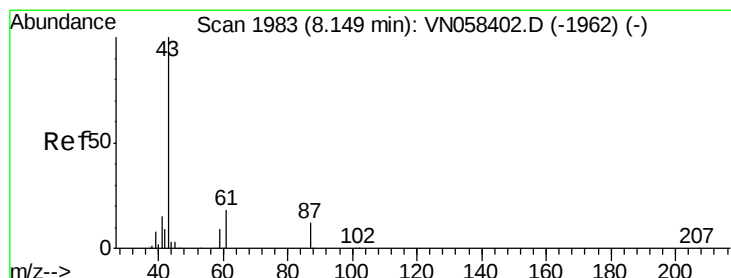
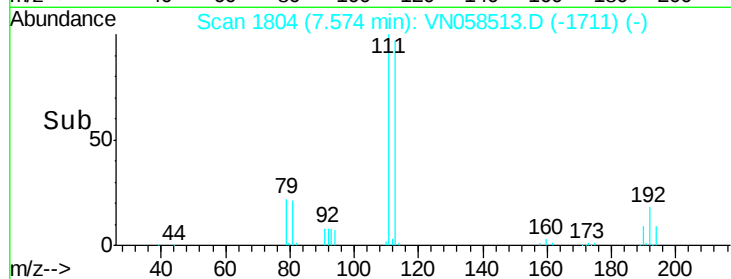
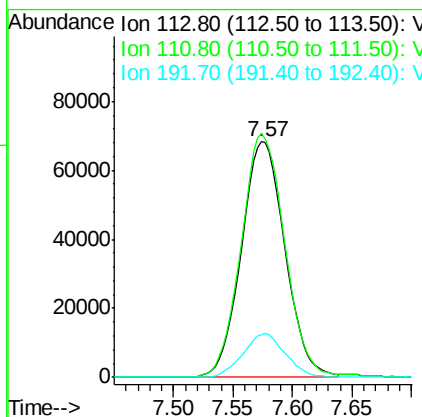
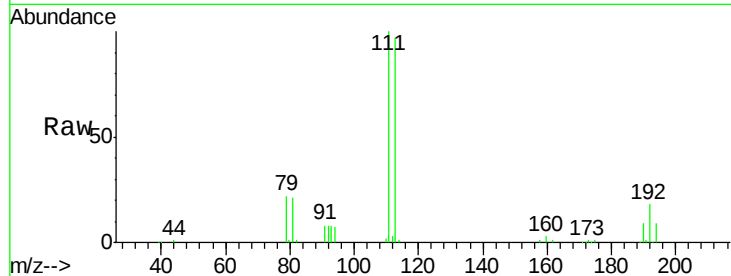




#35
 Dibromofluoromethane
 Concen: 49.385 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

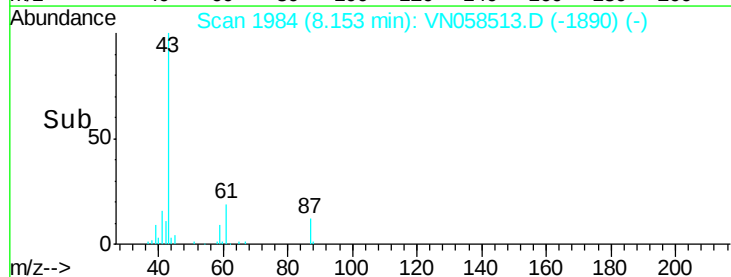
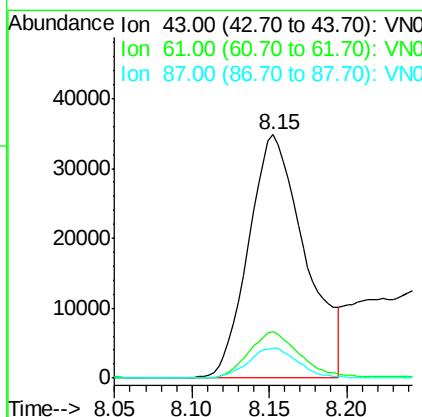
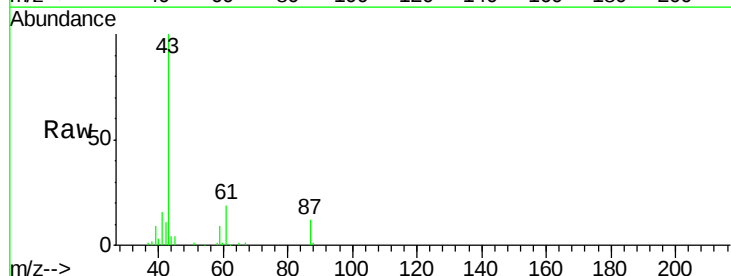
Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

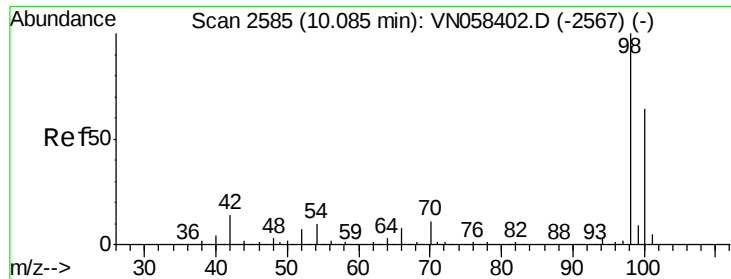
Tot Ion:113 Resp: 173133
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.4 125.2
 192 18.0 14.9 22.3



#43
 Isopropyl Acetate
 Concen: 10.172 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 88702
 Ion Ratio Lower Upper
 43 100
 61 17.0 14.8 22.2
 87 10.7 9.7 14.5





#50

Toluene-d8

Concen: 52.526 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

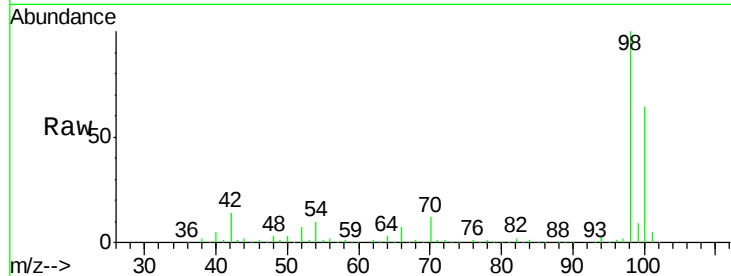
PSEG-GAS

Tot Ion: 98 Resp: 721383

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.08

400000

300000

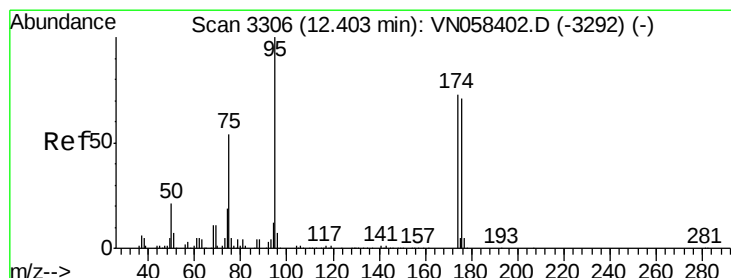
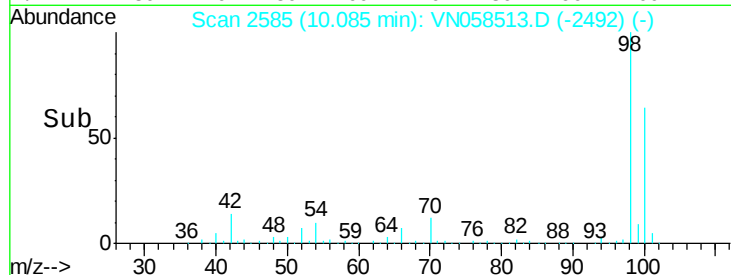
200000

100000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 49.050 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

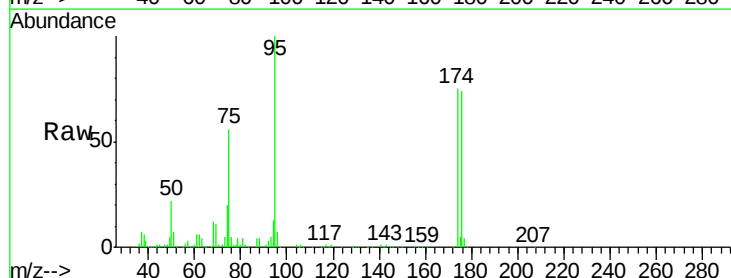
Tgt Ion: 95 Resp: 243573

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.6

176 71.5 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

12.41

200000

150000

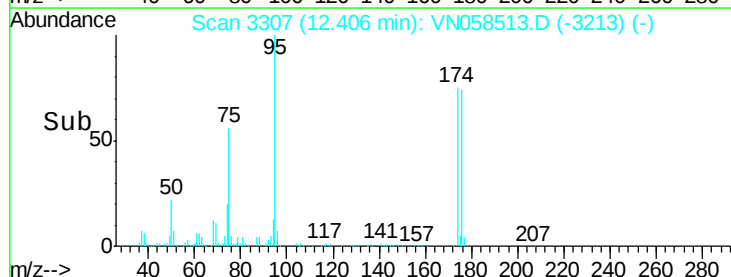
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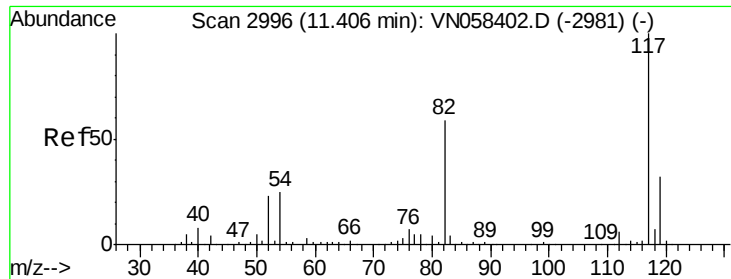
50000

0

Time-->

12.40 12.50

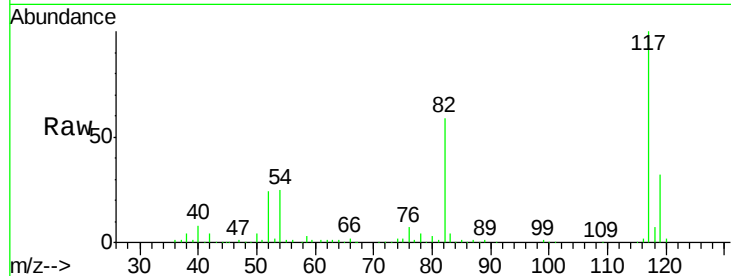




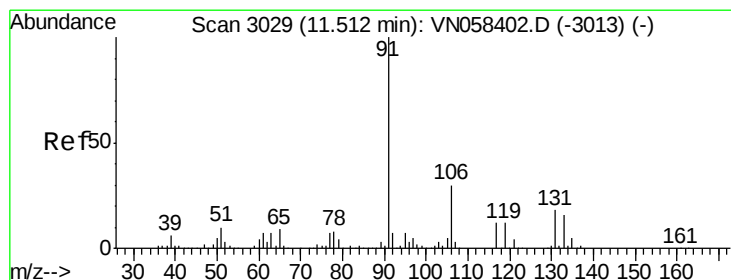
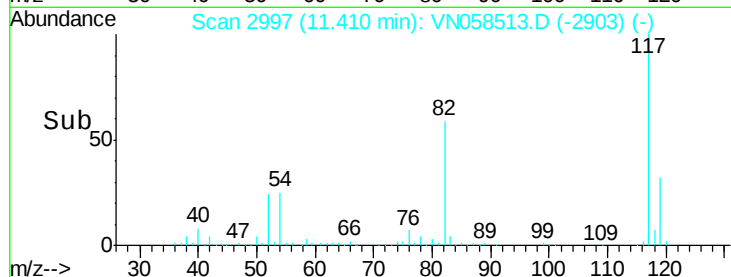
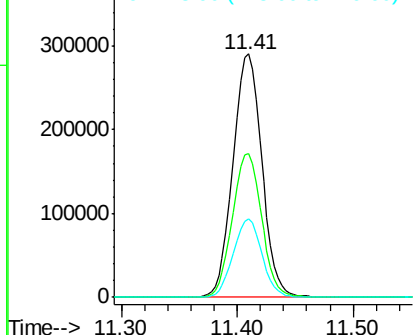
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampleId :
PSEG-GAS

Tot Ion:117 Resp: 501572
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 32.3 25.5 38.3

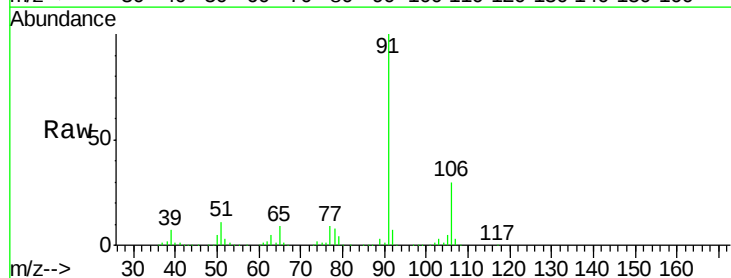


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

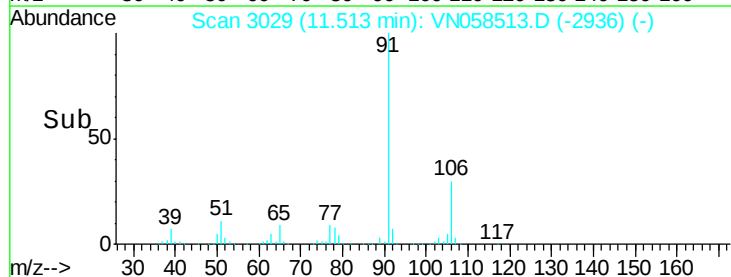
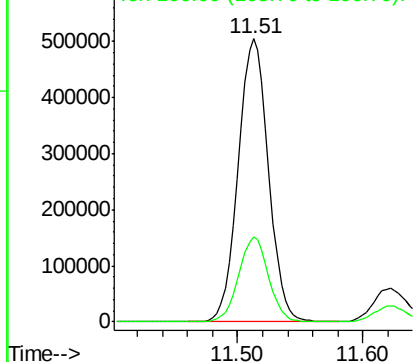


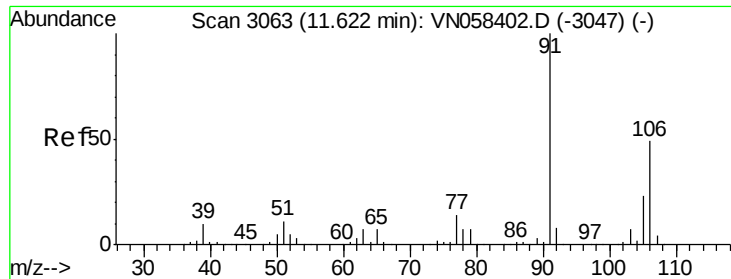
#67
Ethyl Benzene
Concen: 46.671 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 91 Resp: 842811
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

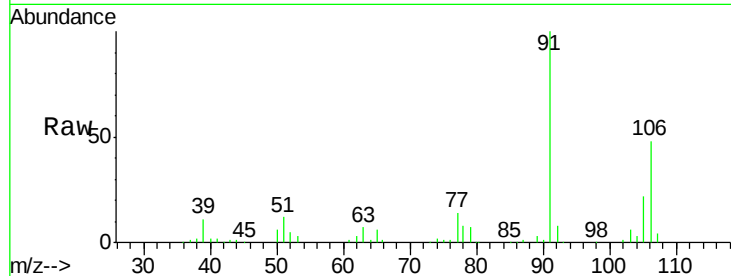




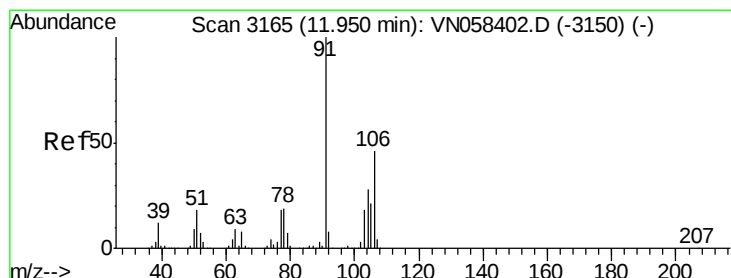
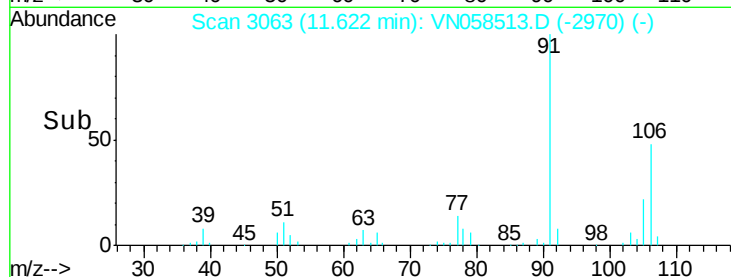
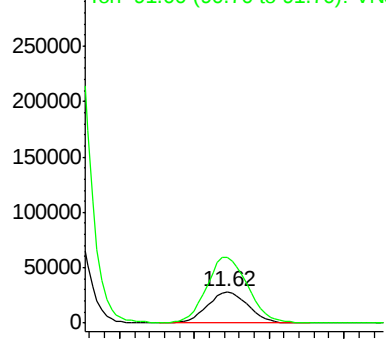
#68
m/p-Xylenes
Concen: 7.847 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

Tot Ion:106 Resp: 53318
Ion Ratio Lower Upper
106 100
91 217.6 165.0 247.4

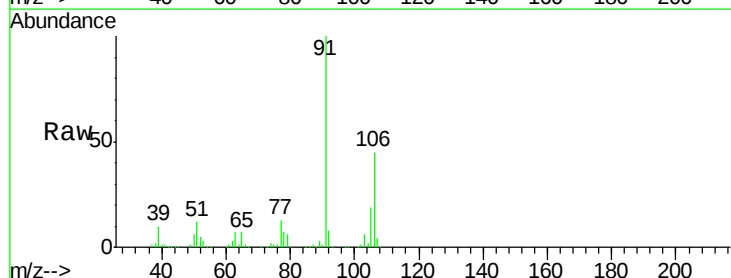


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

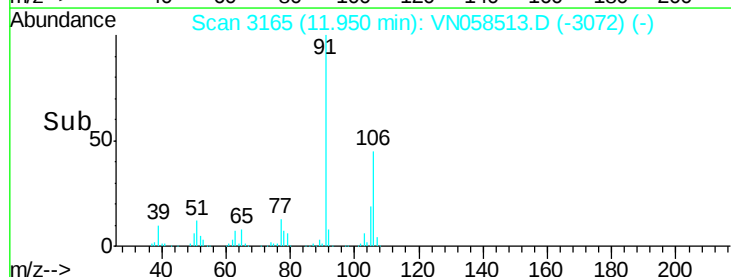
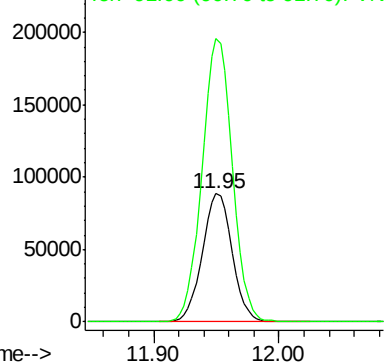


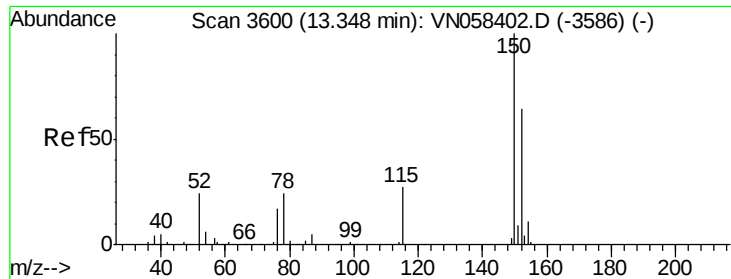
#69
o-Xylene
Concen: 22.422 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion:106 Resp: 146653
Ion Ratio Lower Upper
106 100
91 223.4 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0



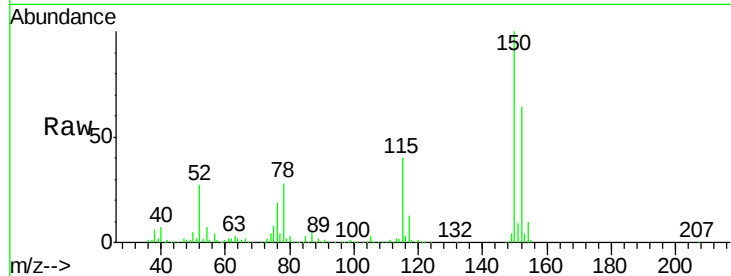


#72

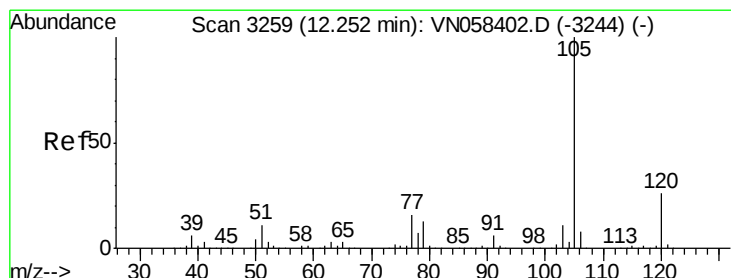
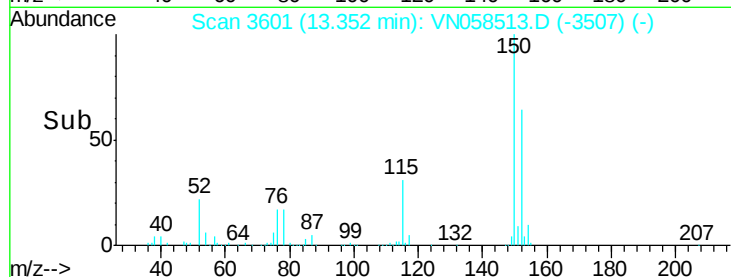
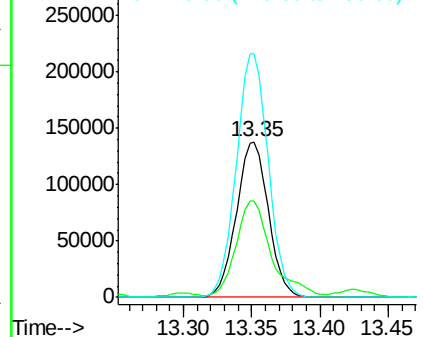
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

Tot Ion:152 Resp: 224456
Ion Ratio Lower Upper
152 100
115 65.2 30.0 90.0
150 157.1 0.0 348.2



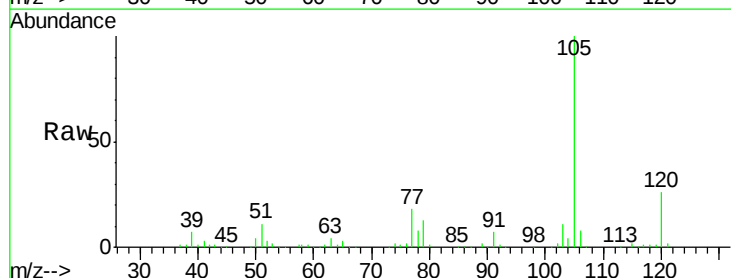
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



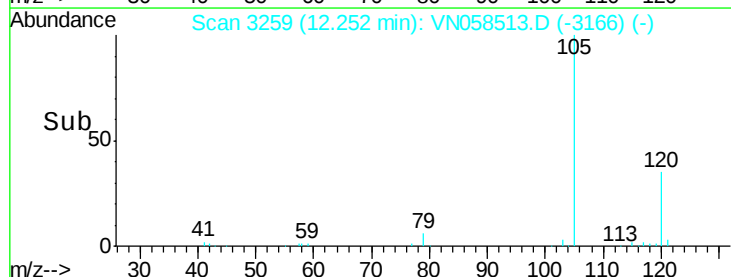
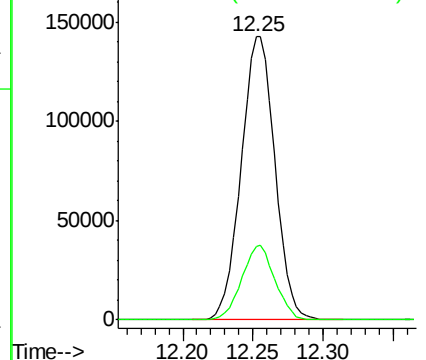
#73

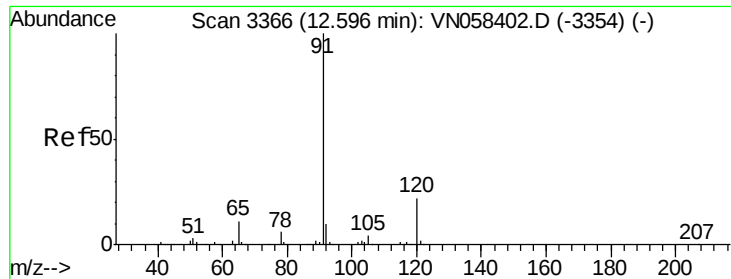
Isopropylbenzene
Concen: 14.430 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion:105 Resp: 239369
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



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





#78

n-propylbenzene

Concen: 5.694 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

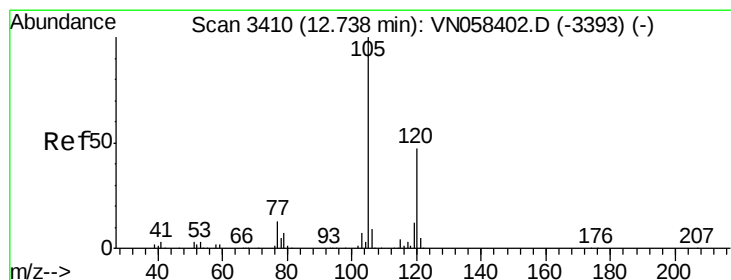
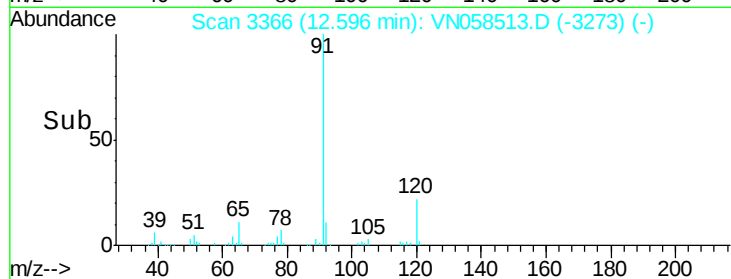
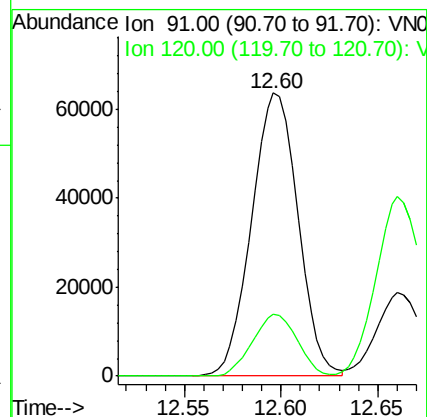
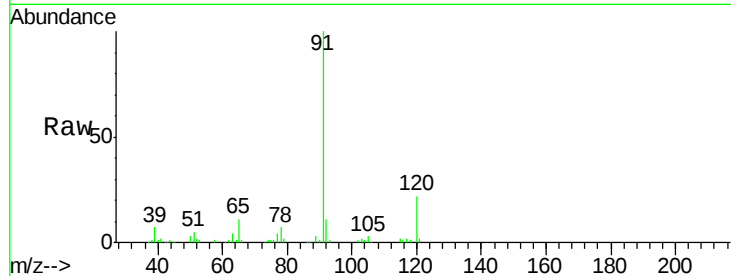
PSEG-GAS

Tot Ion: 91 Resp: 106411

Ion Ratio Lower Upper

91 100

120 21.2 10.9 32.9



#80

1,3,5-Trimethylbenzene

Concen: 13.175 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058513.D

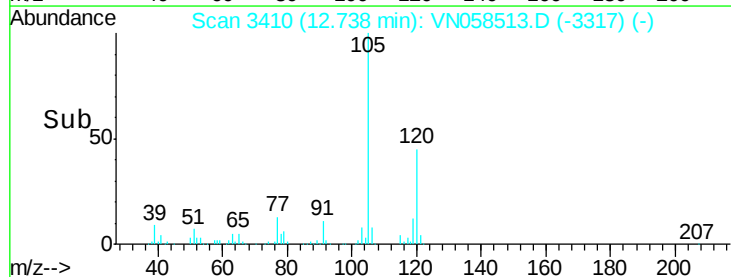
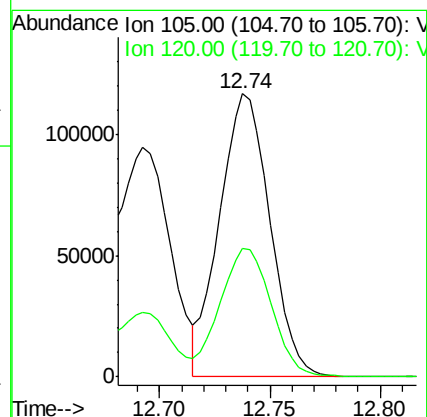
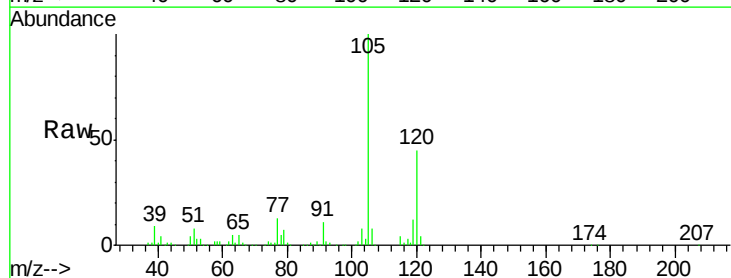
Acq: 3 Oct 2019 16:28

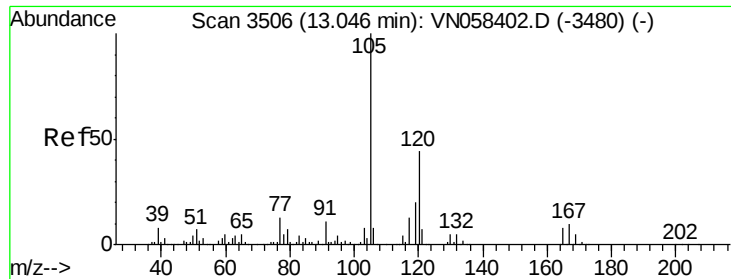
Tgt Ion: 105 Resp: 182949

Ion Ratio Lower Upper

105 100

120 46.7 23.5 70.6





#84

1,2,4-Trimethylbenzene

Concen: 56.493 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

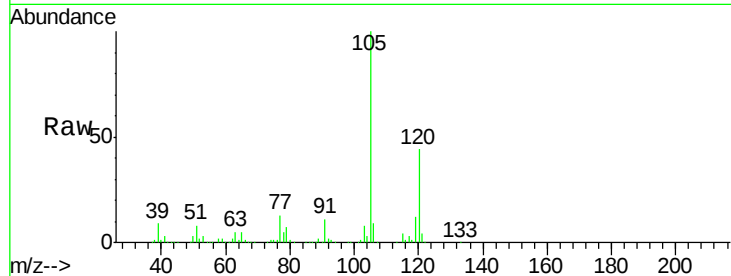
PSEG-GAS

Tot Ion:105 Resp: 785935

Ion Ratio Lower Upper

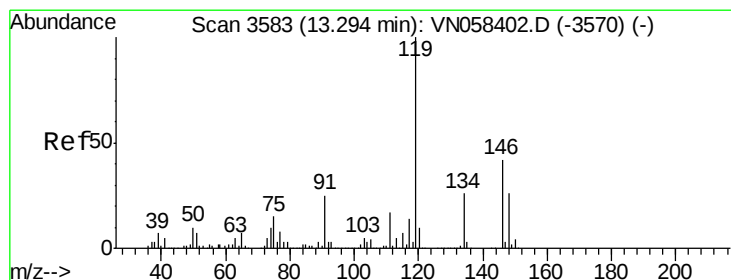
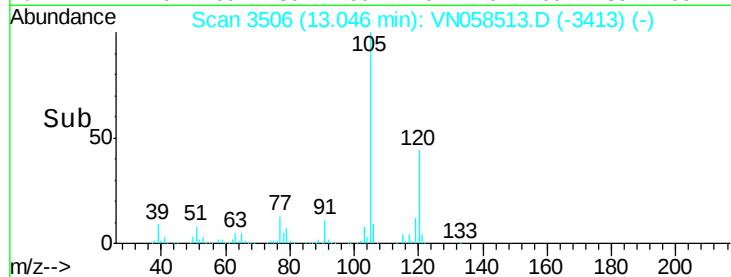
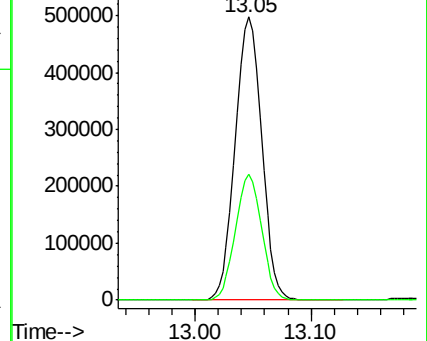
105 100

120 43.9 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 3.806 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

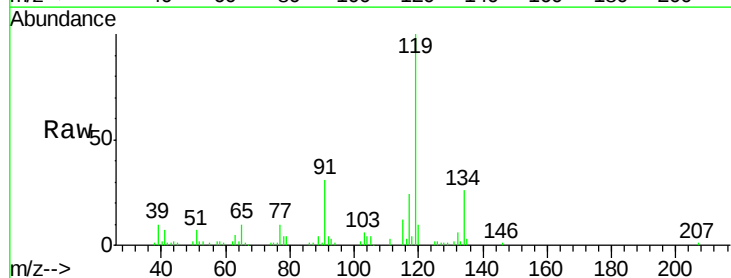
Tgt Ion:119 Resp: 51670

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

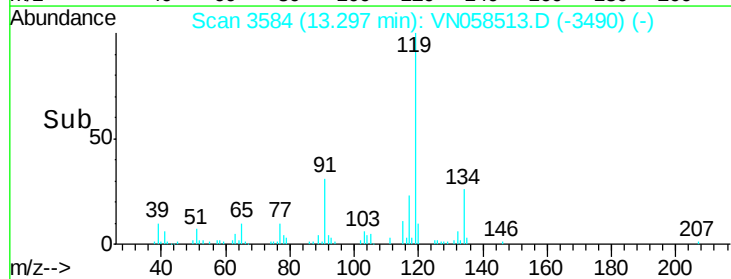
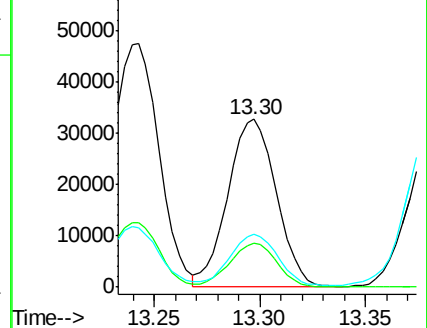
91 30.0 12.4 37.0

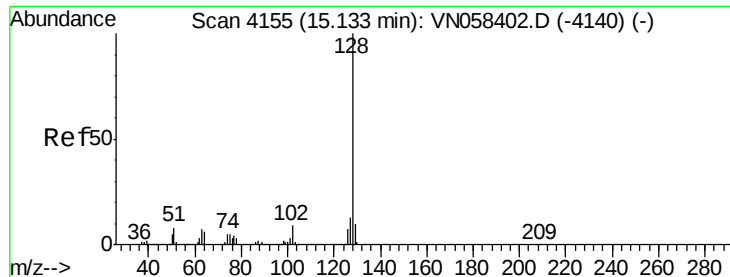


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 551.191 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

PSEG-GAS

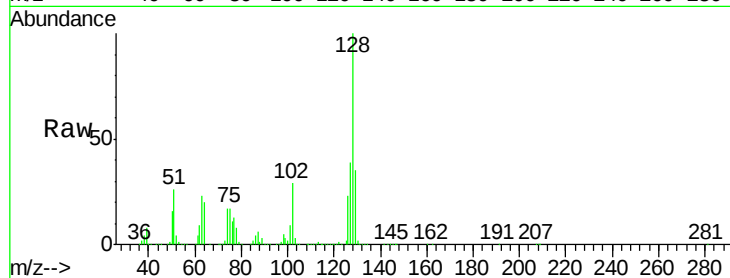
Tot Ion:128 Resp: 6041261

Ion Ratio Lower Upper

128 100

127 27.3 10.2 15.4#

129 23.9 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

