

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 03:20:58 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

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

					Qvalue	
5) Bromomethane	2.55	94	483	0.227	ug/l #	3
13) Acrolein	3.60	56	231	1.317	ug/l	94
16) Acetone	3.80	43	42897	25.352	ug/l	94
17) Carbon Disulfide	4.04	76	2448	0.290	ug/l #	74
18) Methyl Acetate	4.32	43	2377	0.559	ug/l #	73
20) Methylene Chloride	4.53	84	36816	9.428	ug/l	97
25) 2-Butanone	6.82	43	13734	5.912	ug/l	95
29) Tetrahydrofuran	7.20	42	482	0.327	ug/l #	34
31) Cyclohexane	7.65	56	9442	1.374	ug/l #	23
36) 1,1-Dichloropropene	7.65	75	31286	5.720	ug/l #	50
37) Ethyl Acetate	6.82	43	13734	2.962	ug/l #	70
38) Carbon Tetrachloride	7.65	117	35269	7.144	ug/l #	16
43) Isopropyl Acetate	8.15	43	88702	10.172	ug/l	97
45) 1,2-Dichloropropane	9.26	63	1489	0.353	ug/l #	43
48) Methyl methacrylate	9.26	41	134765	33.940	ug/l #	45
49) 1,4-Dioxane	9.25	88	78	1.469	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	3749	0.837	ug/l #	83
52) Toluene	10.15	92	6106	0.617	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	30887	5.053	ug/l #	72
56) Ethyl methacrylate	10.54	69	1835	0.336	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5212	0.811	ug/l #	43
59) 2-Hexanone	10.76	43	81826	25.088	ug/l #	54
60) Dibromochloromethane	10.64	129	696	Below Cal	#	11
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
70) Styrene	11.95	104	7823	0.736	ug/l #	1
71) Bromoform	12.39	173	178	0.770	ug/l #	1
73) Isopropylbenzene	12.25	105	239369	14.430	ug/l	100
74) N-amyl acetate	12.04	43	2746	0.416	ug/l #	51
76) 1,2,3-Trichloropropane	12.41	75	132958	32.431	ug/l #	100
78) n-propylbenzene	12.60	91	106411	5.694	ug/l	98
79) 2-Chlorotoluene	12.69	91	14881	1.290	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	182949	13.175	ug/l	99

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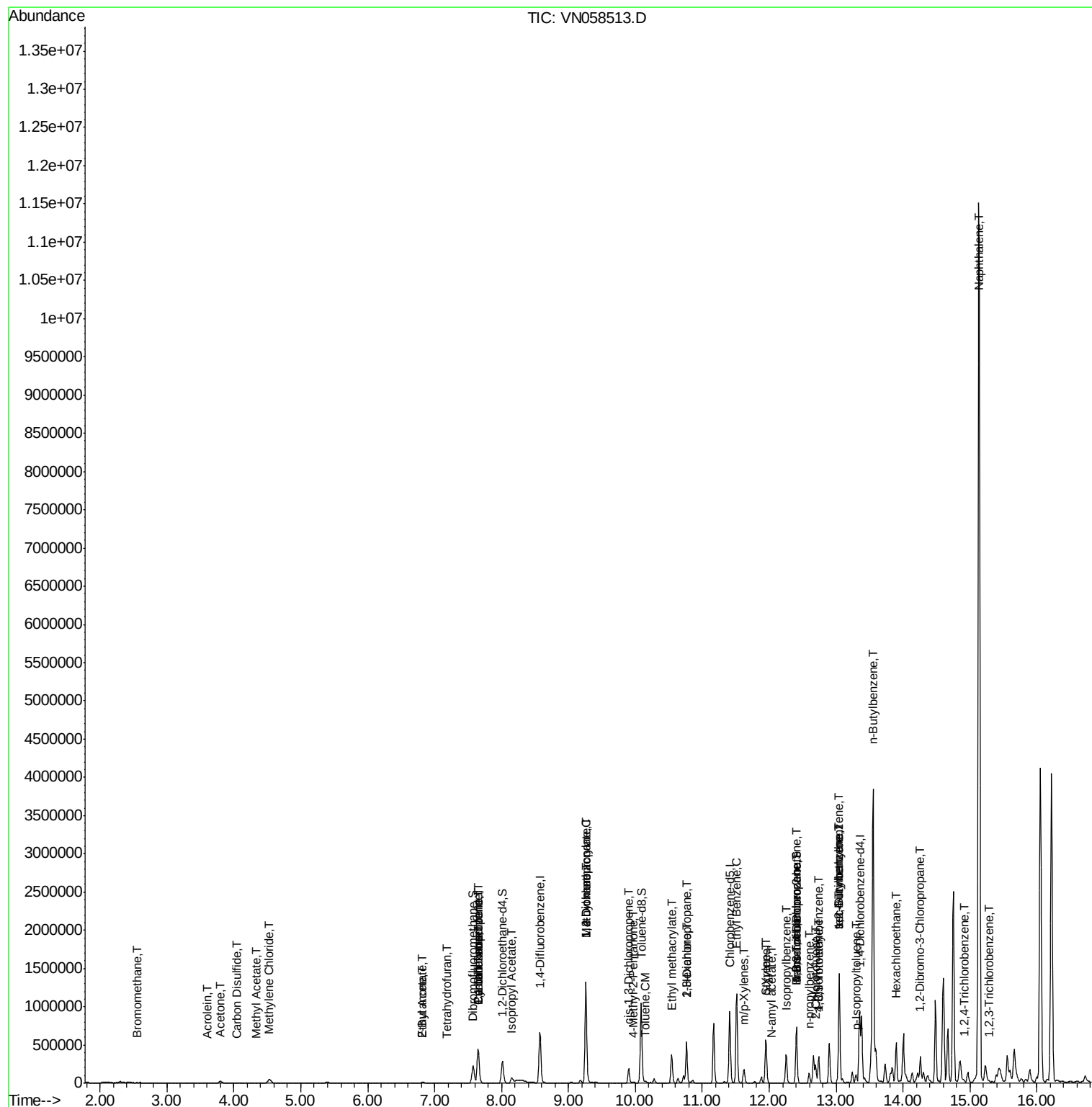
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.41	75	132958	98.497	ug/l #	7
82) 4-Chlorotoluene	12.74	91	20484	1.740	ug/l #	43
83) tert-Butylbenzene	13.05	119	96488	8.235	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.05	105	785935	56.493	ug/l	99
85) sec-Butylbenzene	13.05	105	785935	50.962	ug/l #	58
86) p-Isopropyltoluene	13.30	119	51670	3.806	ug/l	95
89) n-Butylbenzene	13.55	91	377249	30.679	ug/l #	44
90) Hexachloroethane	13.90	117	31778	15.580	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1613	1.865	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	755	0.202	ug/l #	1
95) Naphthalene	15.13	128	6041261	551.191	ug/l #	64
96) 1,2,3-Trichlorobenzene	15.30	180	937	0.224	ug/l #	66

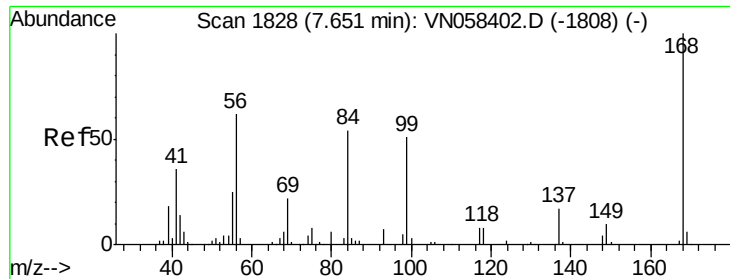
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
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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 :

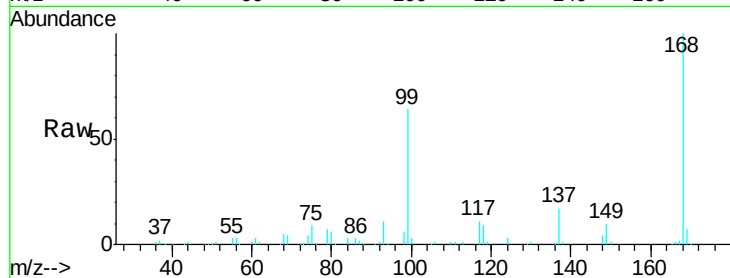
PSEG-GAS

Tgt 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): VN

7.65

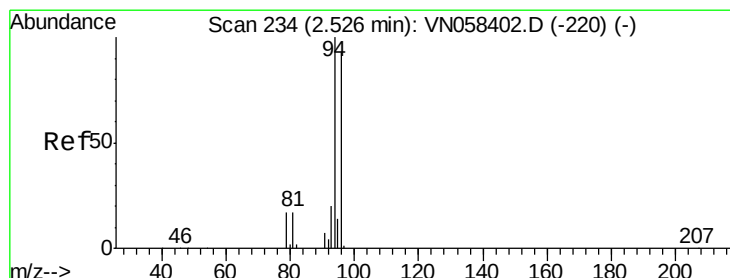
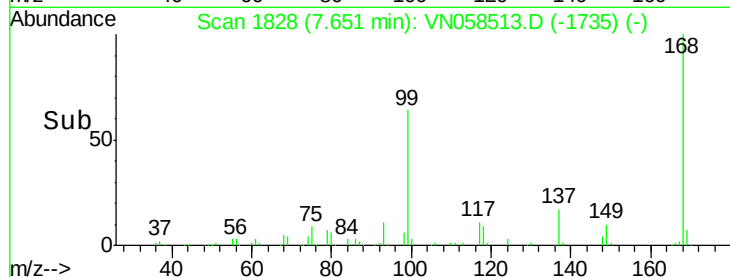
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN058513.D

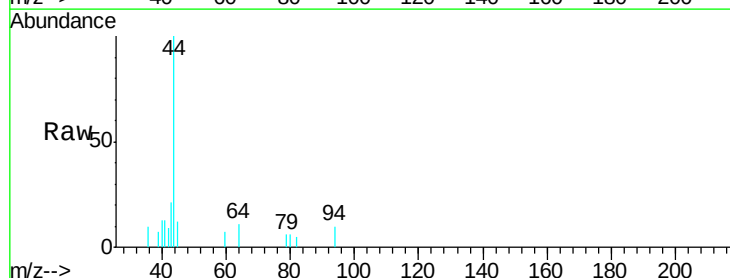
Acq: 3 Oct 2019 16:28

Tgt Ion: 94 Resp: 483

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

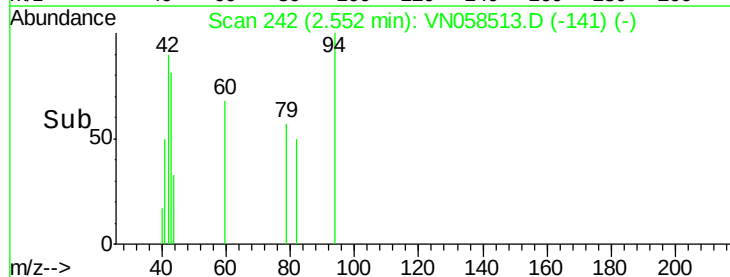
300

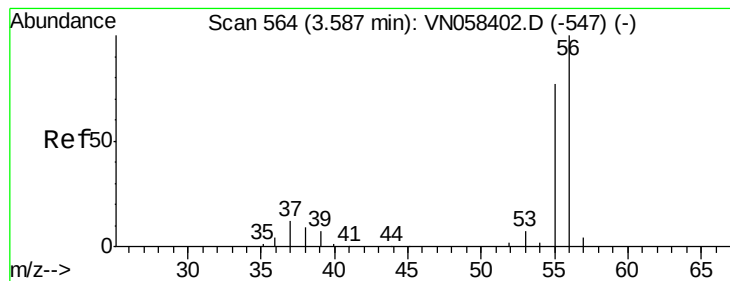
200

100

0

Time-->





#13

Acrolein

Concen: 1.317 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.02 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

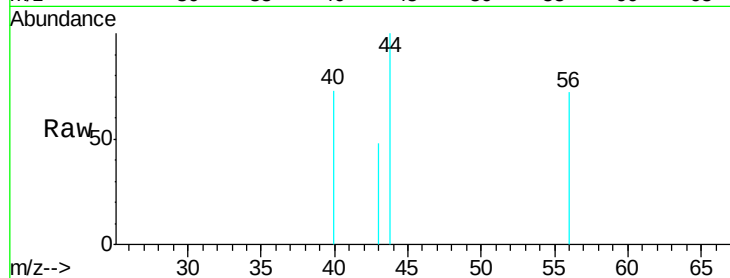
PSEG-GAS

Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 77.9 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

250

200

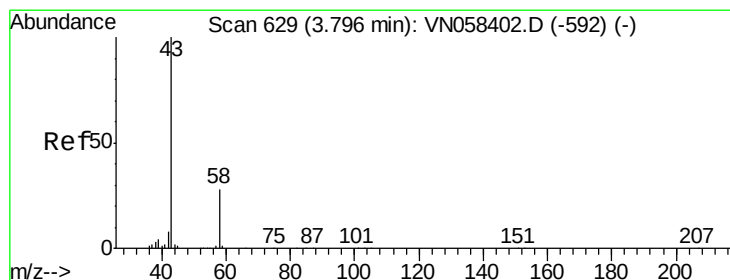
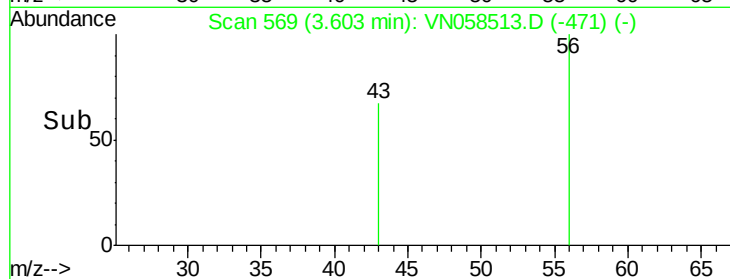
150

100

50

0

Time-->



#16

Acetone

Concen: 25.352 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058513.D

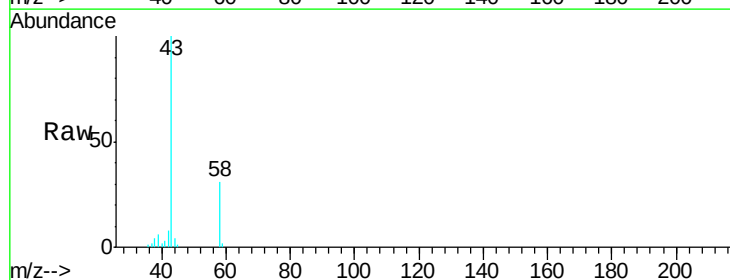
Acq: 3 Oct 2019 16:28

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): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

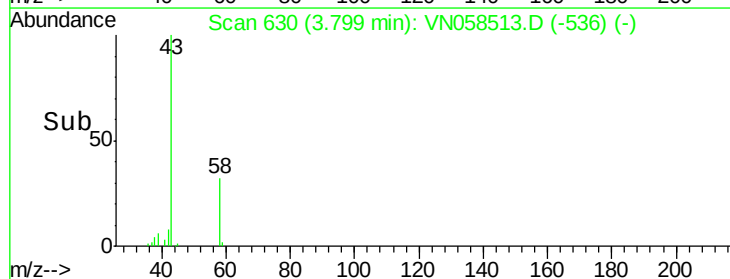
15000

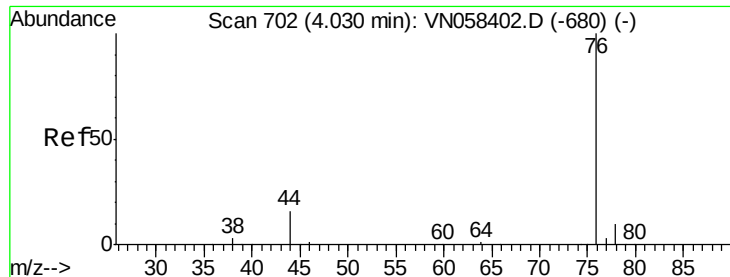
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 0.290 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

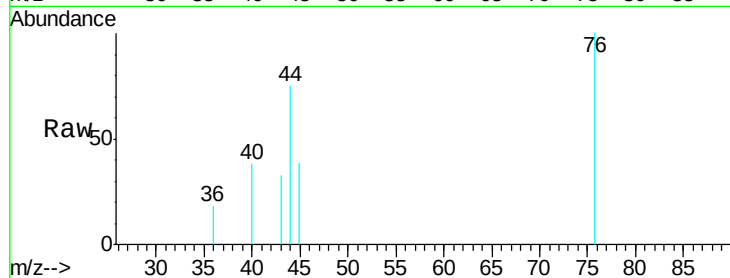
PSEG-GAS

Tgt Ion: 76 Resp: 2448

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

800

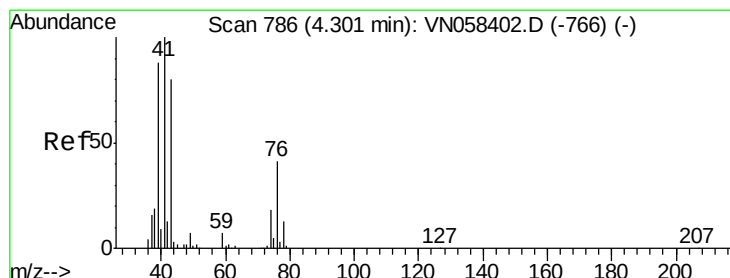
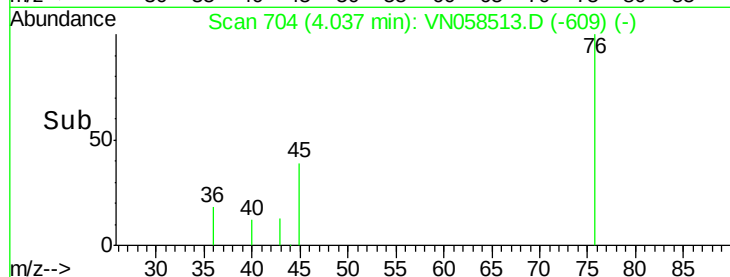
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.559 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058513.D

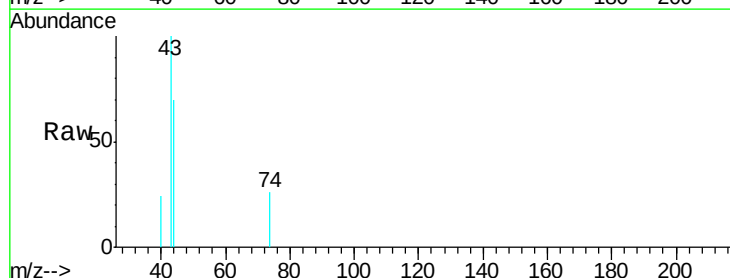
Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 2377

Ion Ratio Lower Upper

43 100

74 9.7 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

1200

1000

800

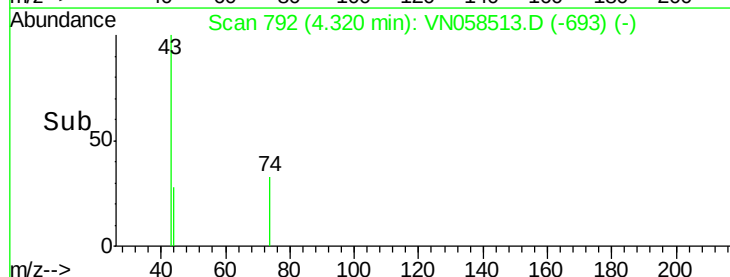
600

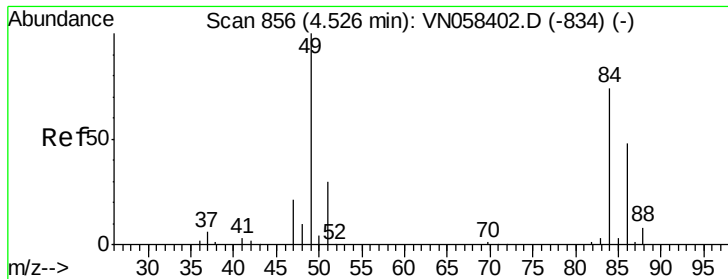
400

200

0

Time-->

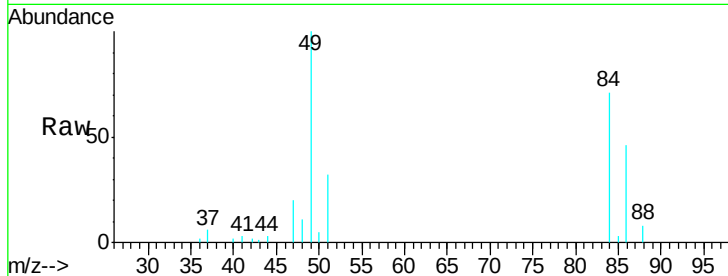




#20
Methylene Chloride
Concen: 9.428 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

Tgt 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

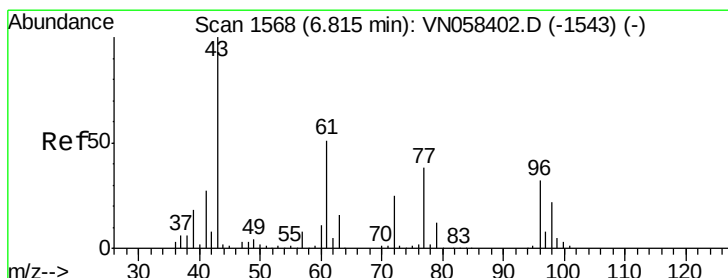
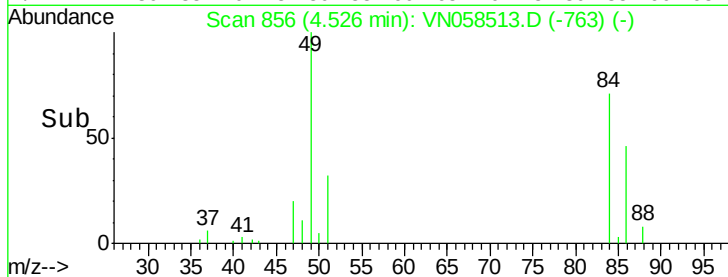
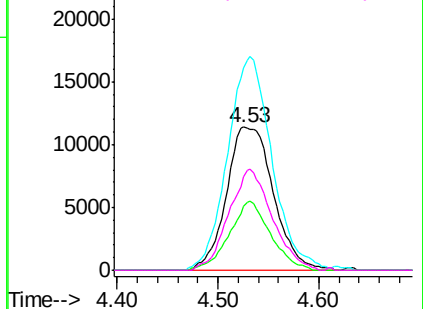


Abundance Ion 83.90 (83.60 to 84.60): VN058513.D (-1475) (-)

Ion 48.90 (48.60 to 49.60): VN058513.D (-1475) (-)

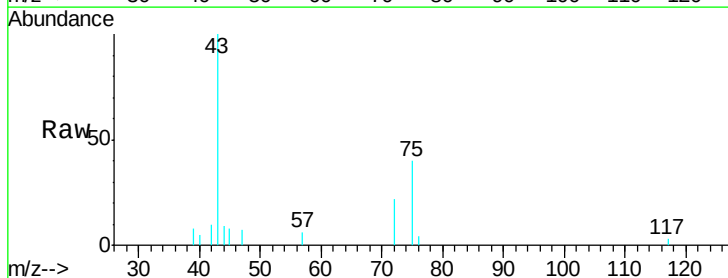
Ion 50.90 (50.60 to 51.60): VN058513.D (-1475) (-)

Ion 85.90 (85.60 to 86.60): VN058513.D (-1475) (-)



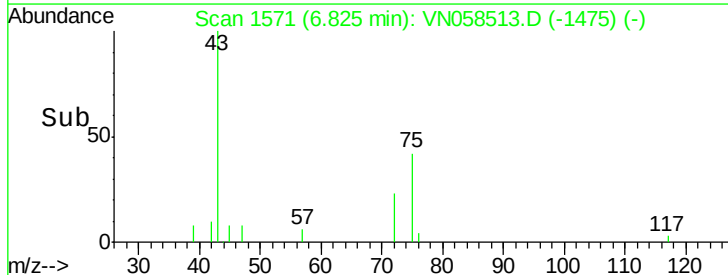
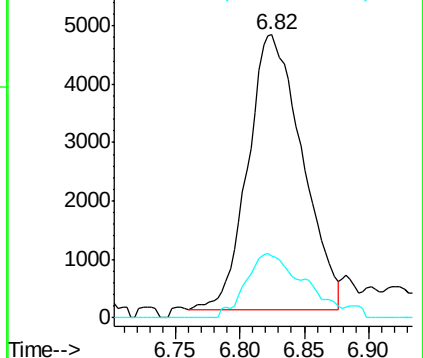
#25
2-Butanone
Concen: 5.912 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

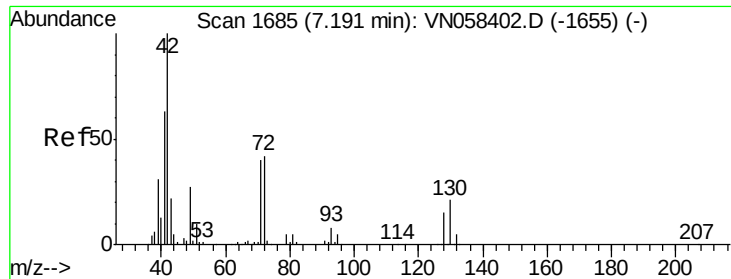
Tgt Ion:	43	Resp:	13734
Ion	Ratio	Lower	Upper
43	100		
72	22.6	20.2	30.4



Abundance Ion 43.00 (42.70 to 43.70): VN058513.D (-1475) (-)

Ion 72.00 (71.70 to 72.70): VN058513.D (-1475) (-)

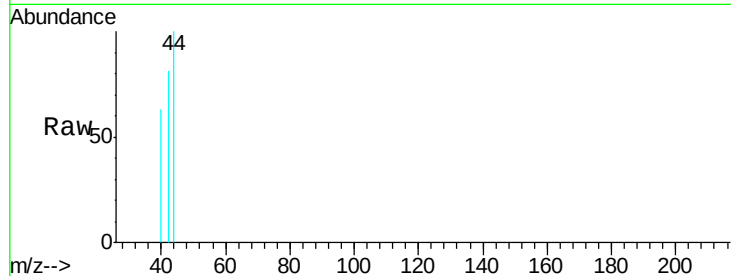




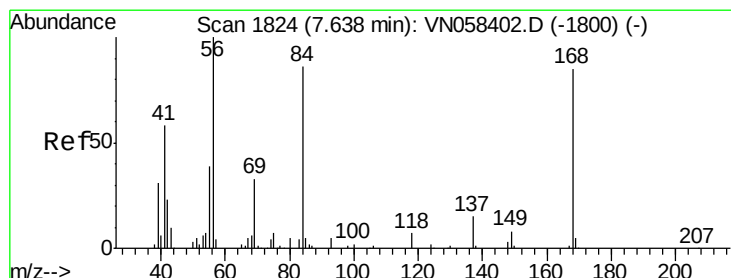
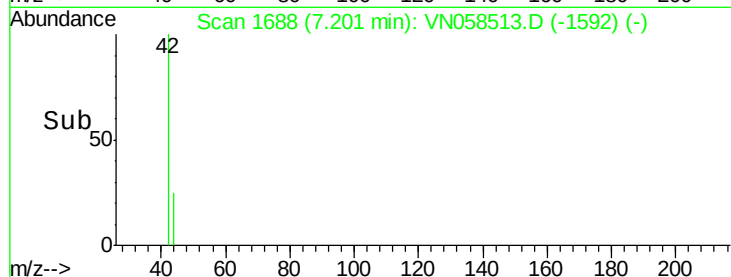
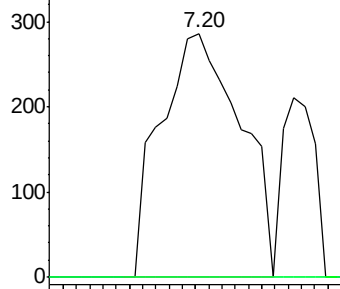
#29
Tetrahydrofuran
Concen: 0.327 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampleId :
PSEG-GAS

Tgt Ion: 42 Resp: 482
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.8 47.6#

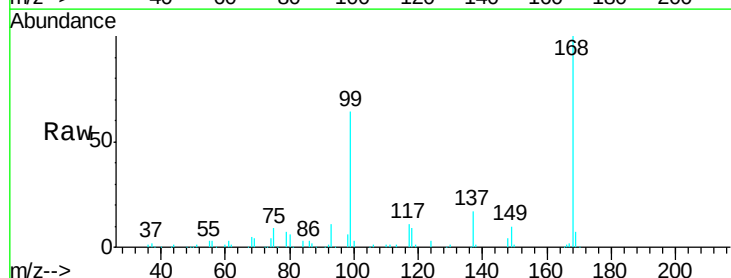


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

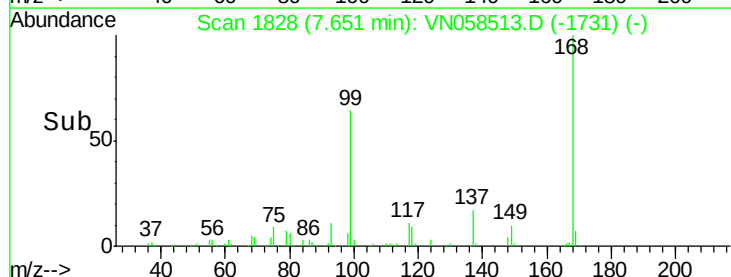
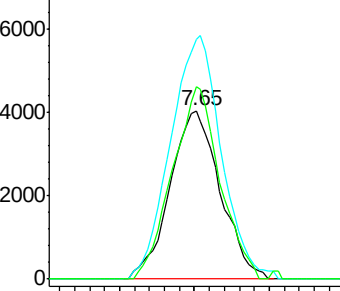


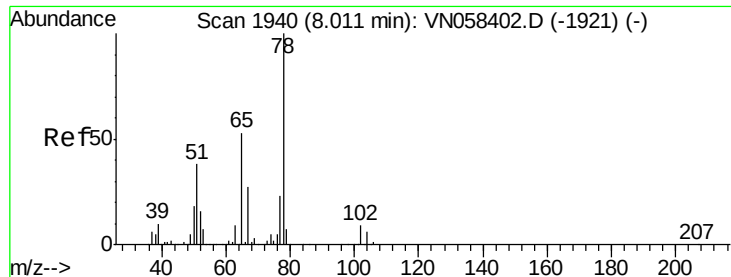
#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 56 Resp: 9442
Ion Ratio Lower Upper
56 100
69 142.0 26.2 39.4#
84 113.8 67.6 101.4#



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

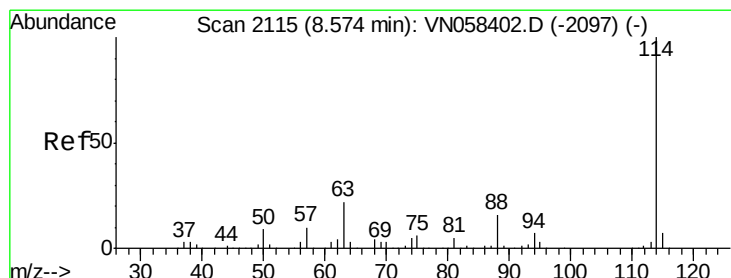
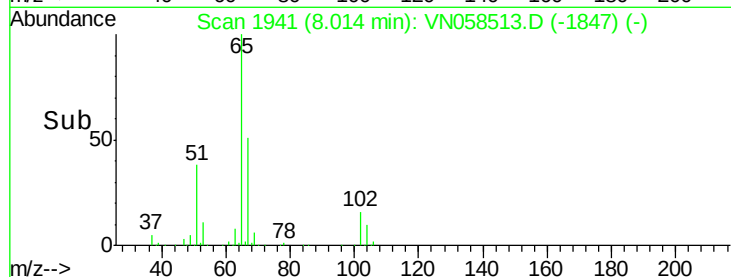
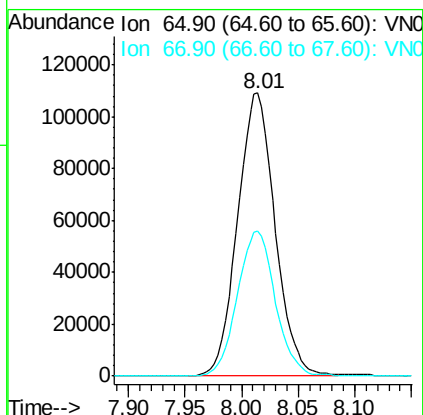
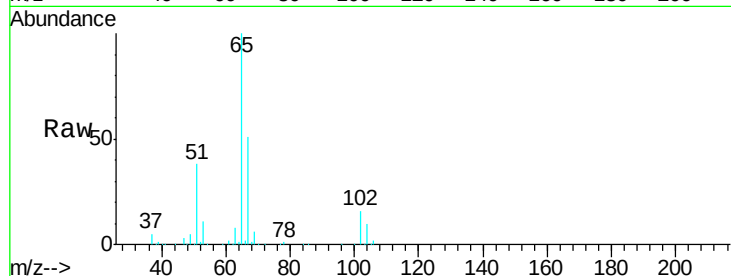




#33
 1,2-Dichloroethane-d4
 Concen: 50.747 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

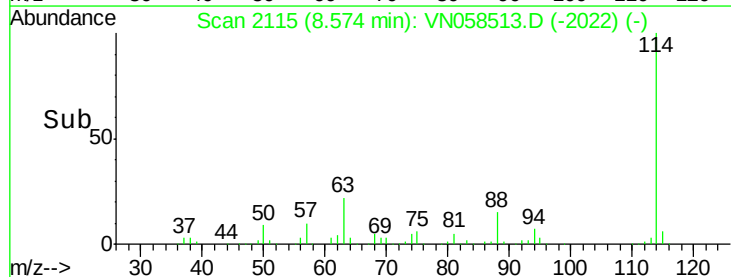
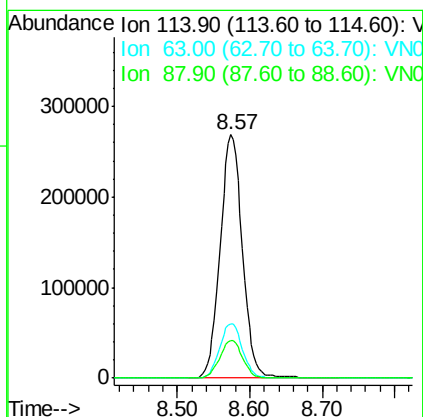
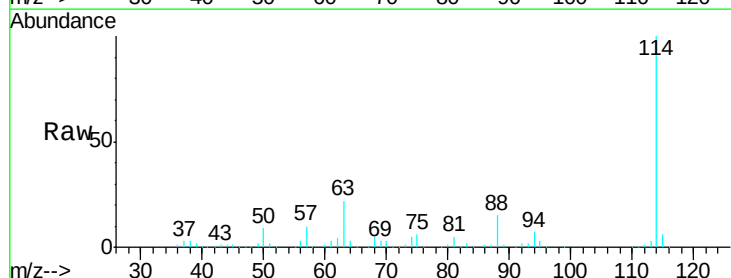
Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

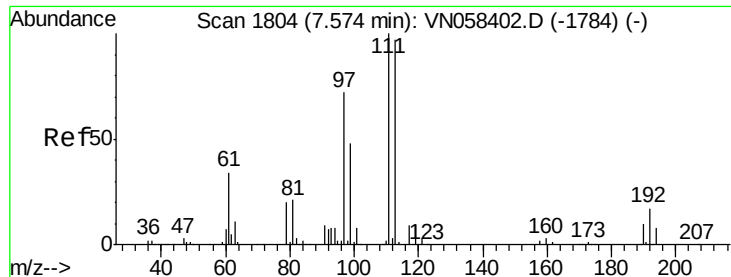
Tgt Ion: 65 Resp: 251895
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: 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

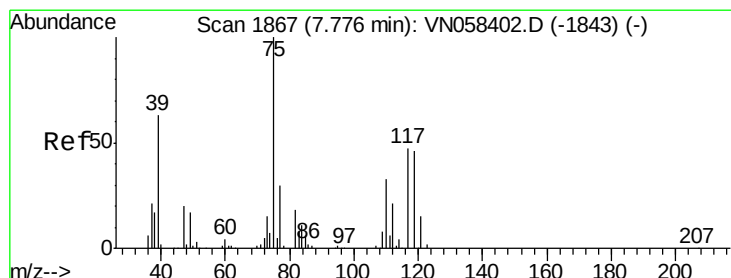
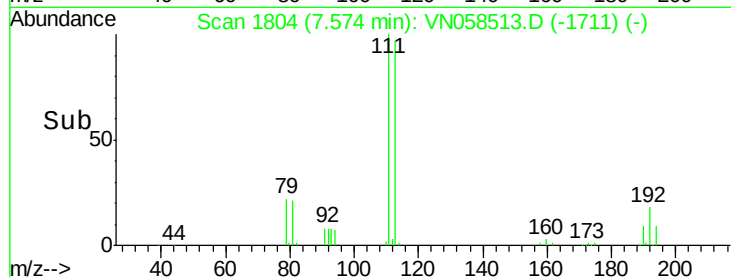
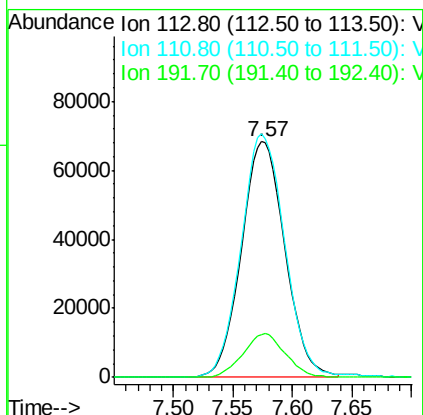
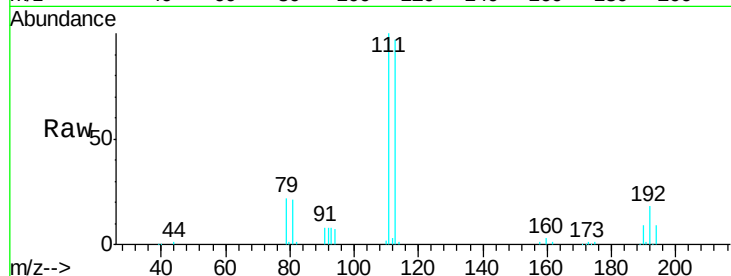




#35
 Dibromofluoromethane
 Concen: 49.385 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

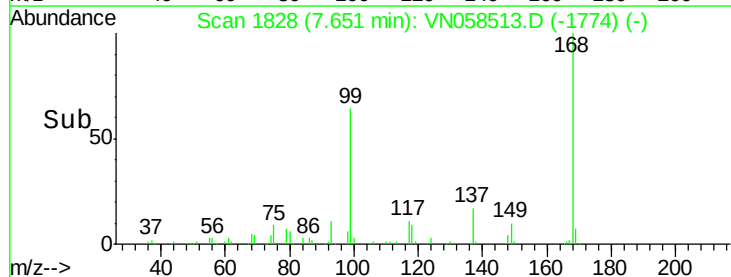
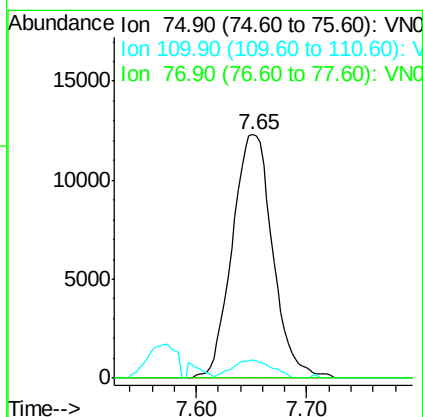
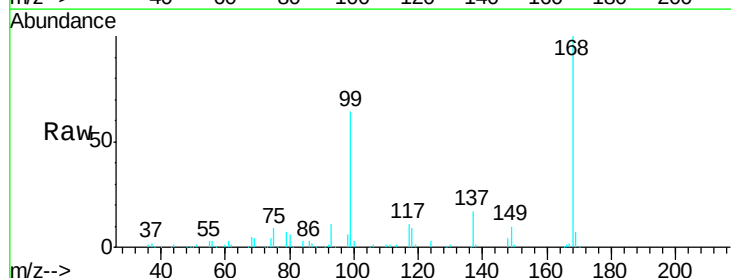
Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

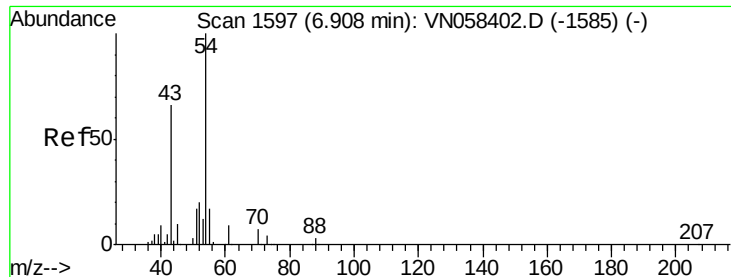
Tgt Ion: 113 Resp: 173133
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.4 125.2
 192 18.0 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.720 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

Tgt Ion: 75 Resp: 31286
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.4 49.2#
 77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 2.962 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.08 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

PSEG-GAS

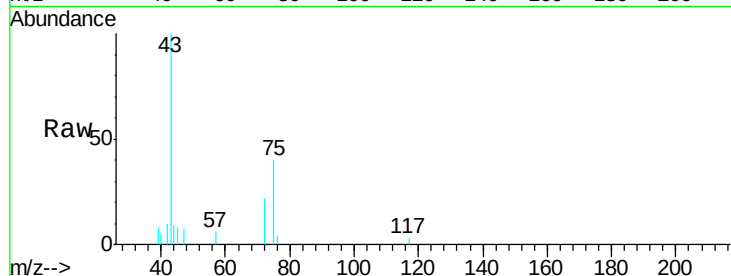
Tgt Ion: 43 Resp: 13734

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 0.0 7.8 11.6#

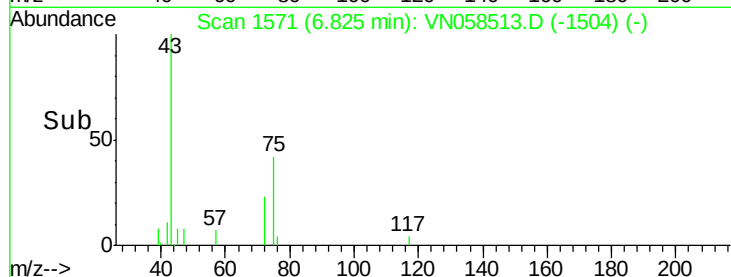


Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1585) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1585) (-)

Ion 70.00 (69.70 to 70.70): VN058402.D (-1585) (-)

Time-->



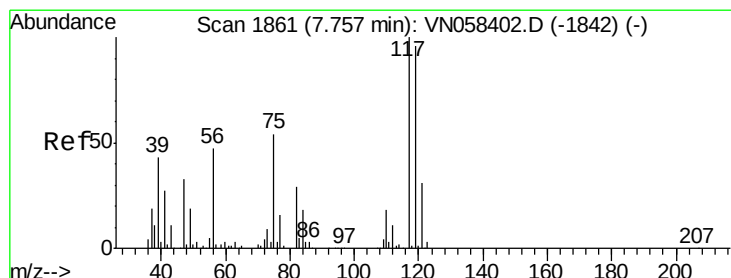
Abundance

Ion 43.00 (42.70 to 43.70): VN058513.D (-1504) (-)

Ion 60.90 (60.60 to 61.60): VN058513.D (-1504) (-)

Ion 70.00 (69.70 to 70.70): VN058513.D (-1504) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.144 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

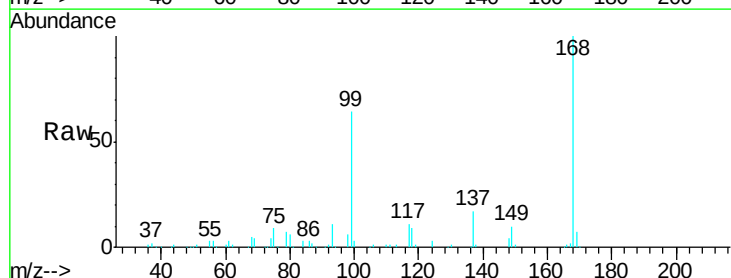
Tgt Ion: 117 Resp: 35269

Ion Ratio Lower Upper

117 100

119 5.3 76.6 115.0#

121 0.0 24.7 37.1#

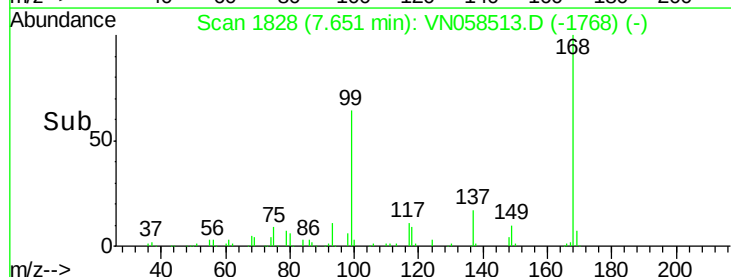


Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN058402.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN058402.D (-1842) (-)

Time-->



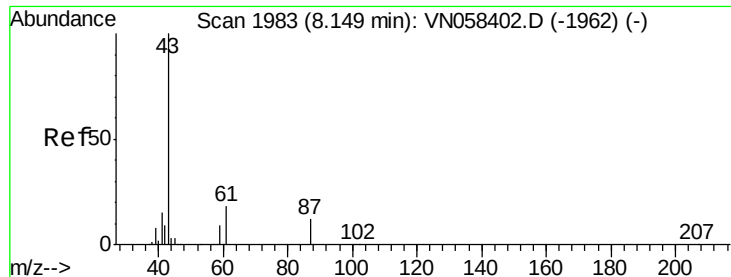
Abundance

Ion 116.80 (116.50 to 117.50): VN058513.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN058513.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN058513.D (-1768) (-)

Time-->



#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

Instrument :

MSVOA_N

ClientSampleId :

PSEG-GAS

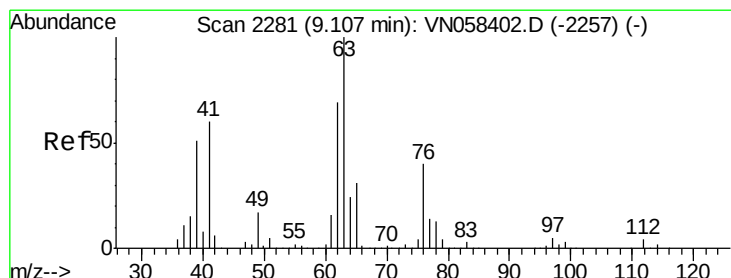
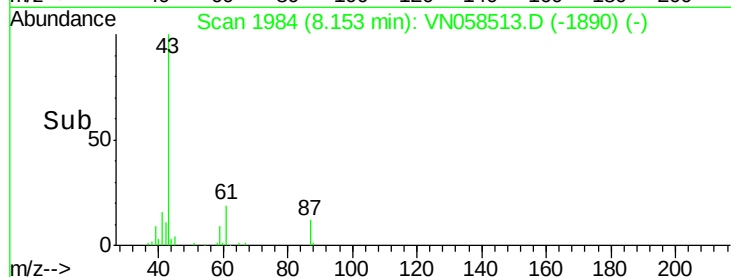
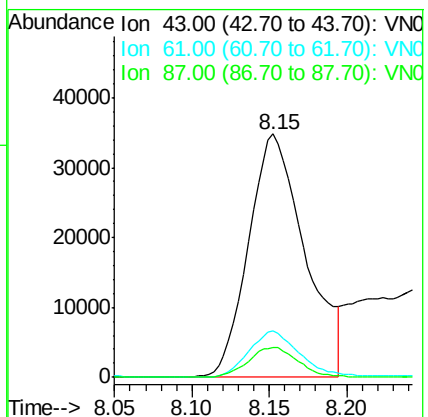
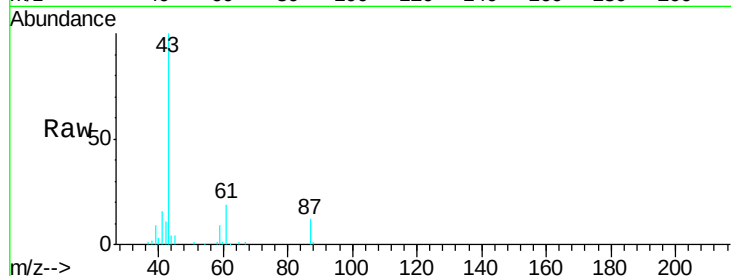
Tgt Ion: 43 Resp: 88702

Ion Ratio Lower Upper

43 100

61 17.0 14.8 22.2

87 10.7 9.7 14.5



#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN058513.D

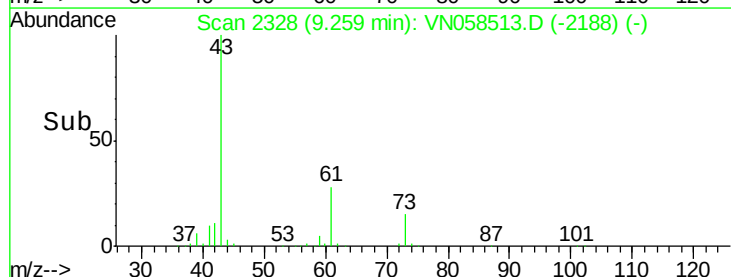
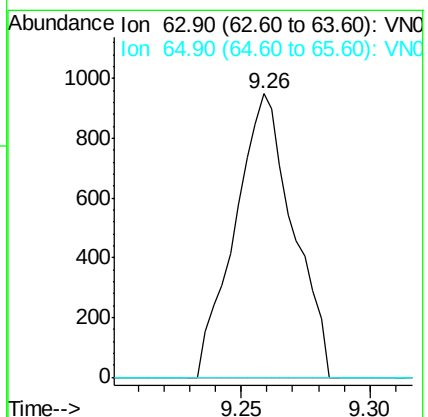
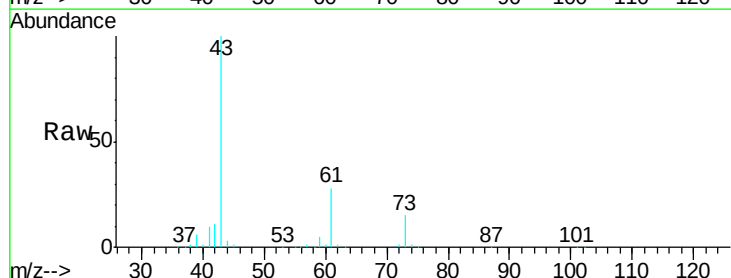
Acq: 3 Oct 2019 16:28

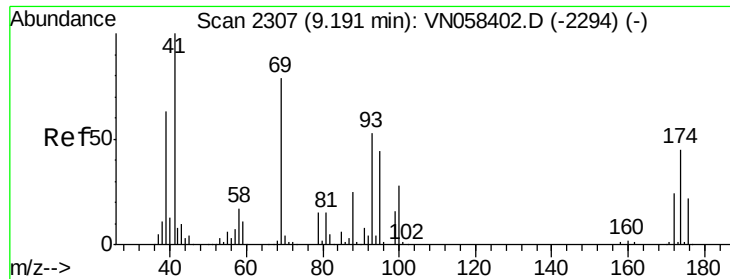
Tgt Ion: 63 Resp: 1489

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

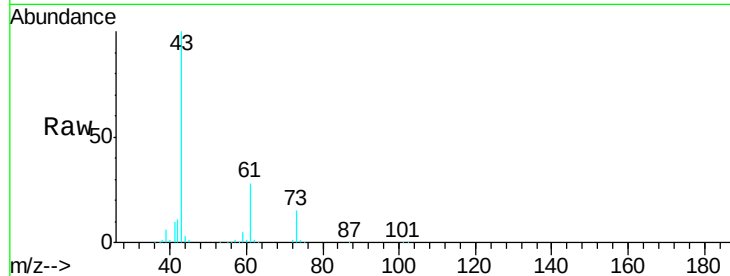




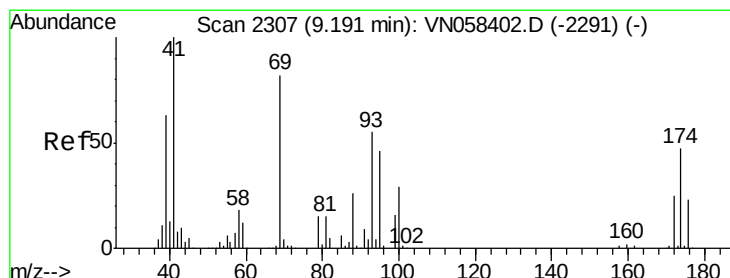
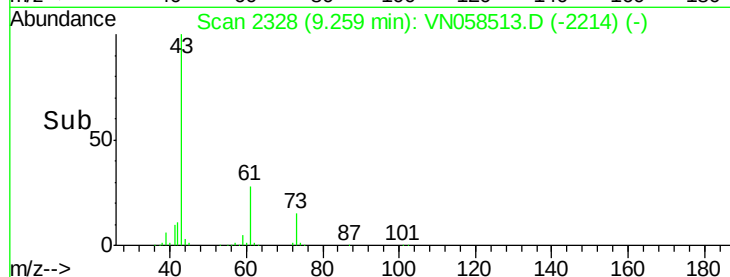
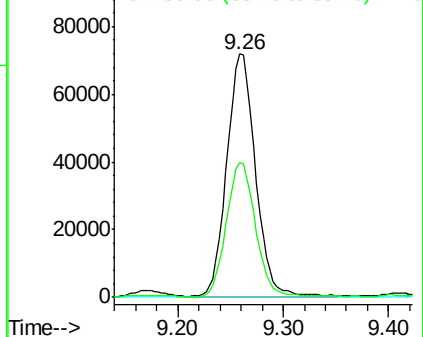
#48
Methyl methacrylate
Concen: 33.940 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.07 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Instrument :
MSVOA_N
ClientSampleId :
PSEG-GAS

Tgt Ion: 41 Resp: 134765
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 57.5 52.9 79.3

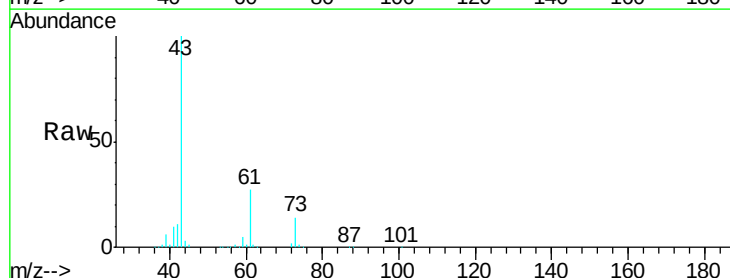


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

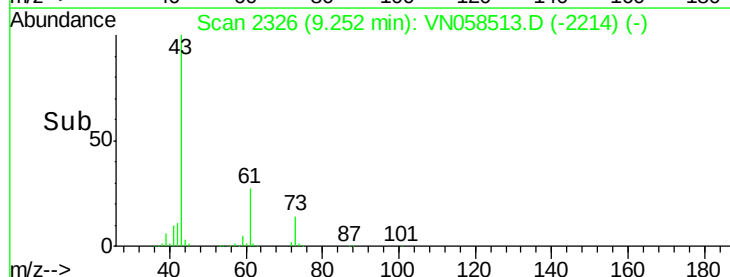
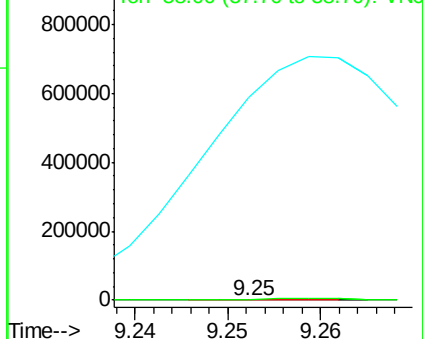


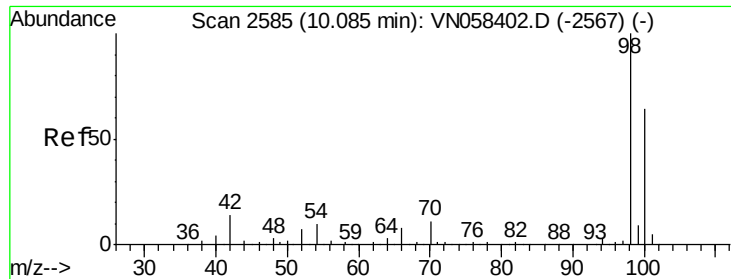
#49
1,4-Dioxane
Concen: 1.469 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.06 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 1713248.7 31.1 46.7#
58 8398.7 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#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 :

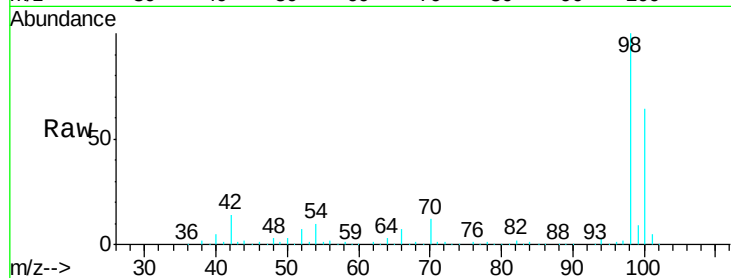
PSEG-GAS

Tgt 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

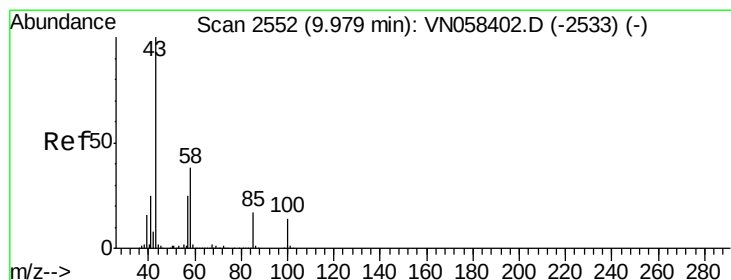
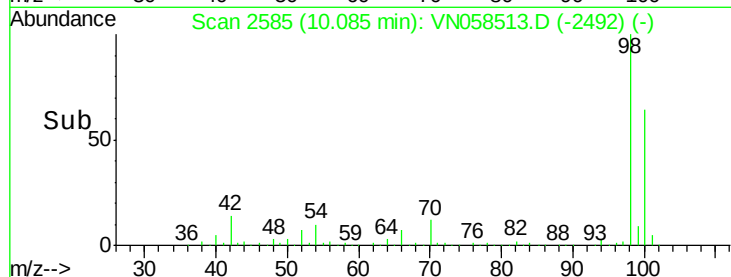
200000

100000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.837 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058513.D

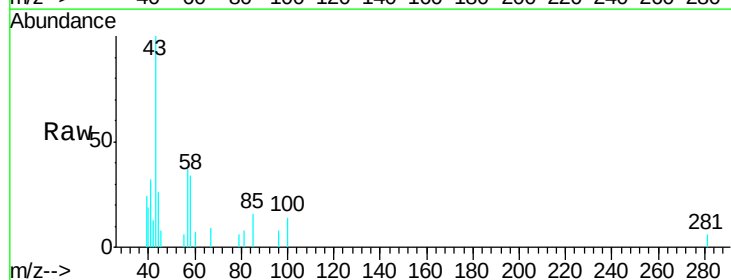
Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 3749

Ion Ratio Lower Upper

43 100

58 47.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

9.98

5000

4000

3000

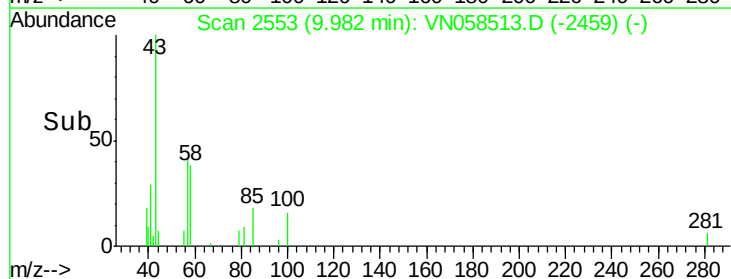
2000

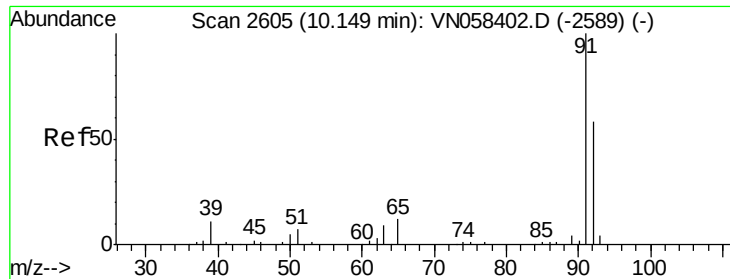
1000

0

9.95 10.00

Time-->





#52

Toluene

Concen: 0.617 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

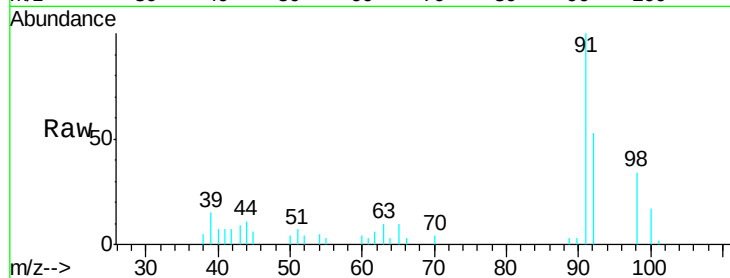
PSEG-GAS

Tgt Ion: 92 Resp: 6106

Ion Ratio Lower Upper

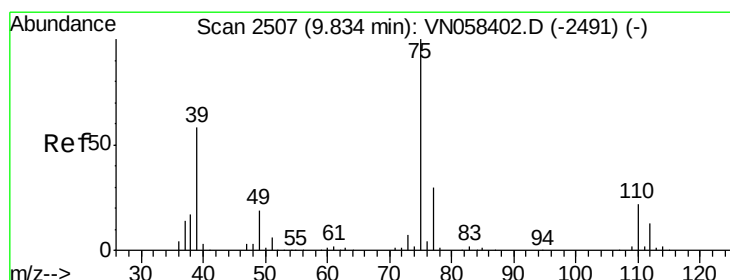
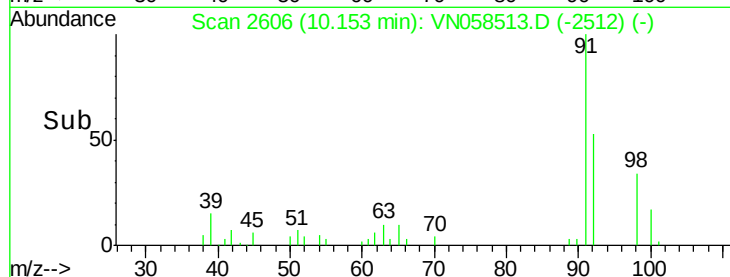
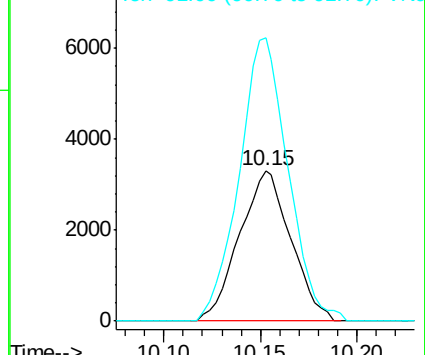
92 100

91 178.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.053 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

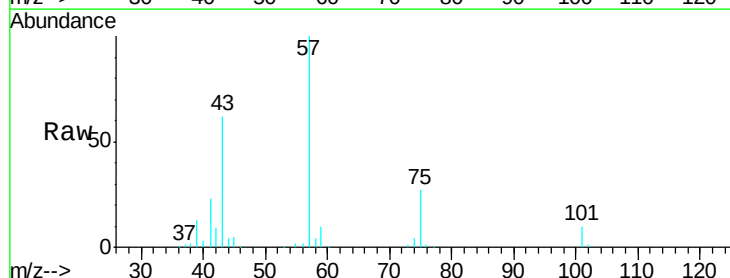
Tgt Ion: 75 Resp: 30887

Ion Ratio Lower Upper

75 100

77 1.1 24.2 36.4#

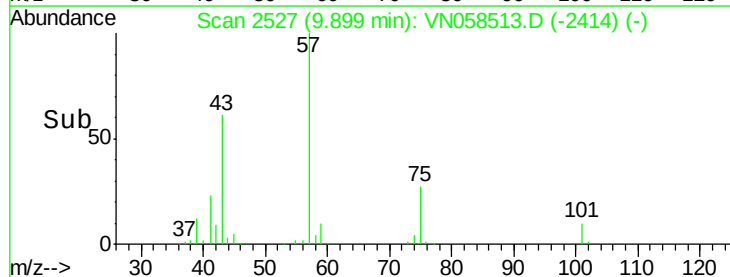
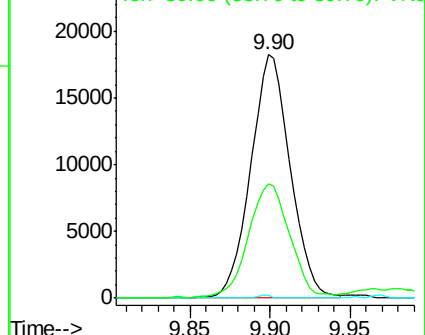
39 47.0 46.4 69.6

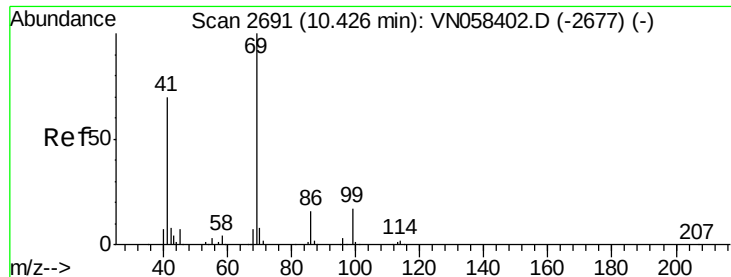


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.336 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

PSEG-GAS

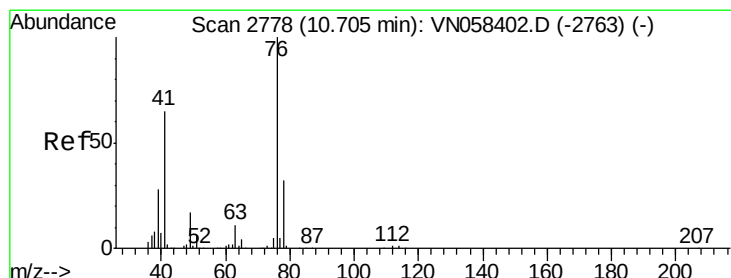
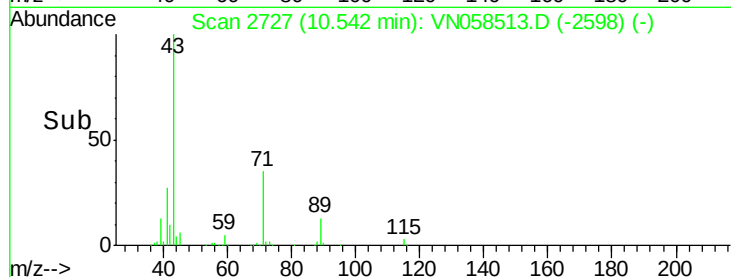
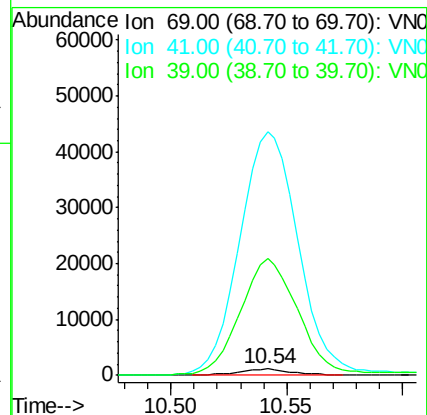
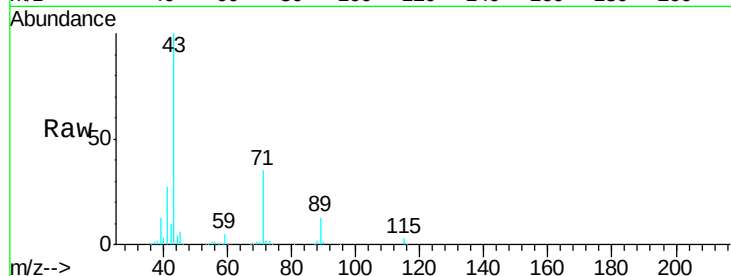
Tgt Ion: 69 Resp: 1835

Ion Ratio Lower Upper

69 100

41 4225.5 56.3 84.5#

39 1976.5 35.8 53.6#



#57

1,3-Dichloropropane

Concen: 0.811 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058513.D

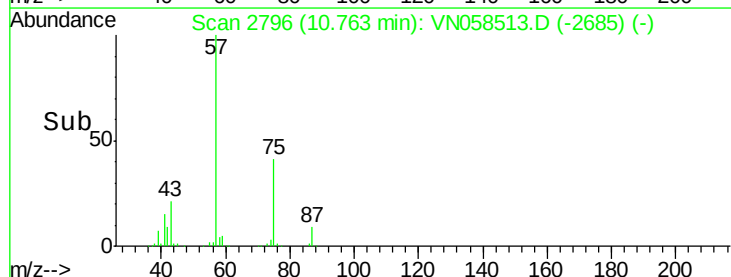
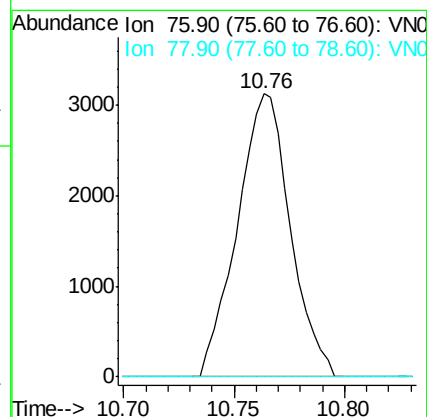
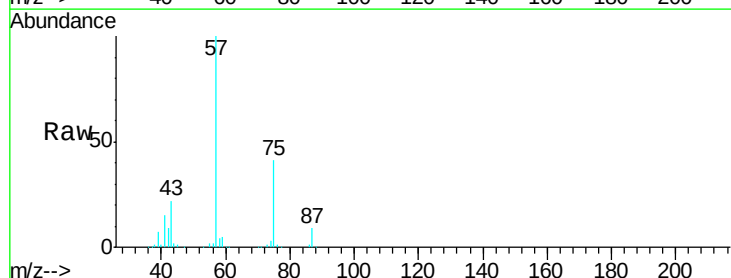
Acq: 3 Oct 2019 16:28

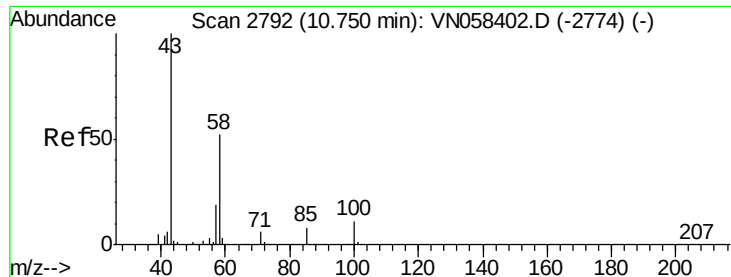
Tgt Ion: 76 Resp: 5212

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#

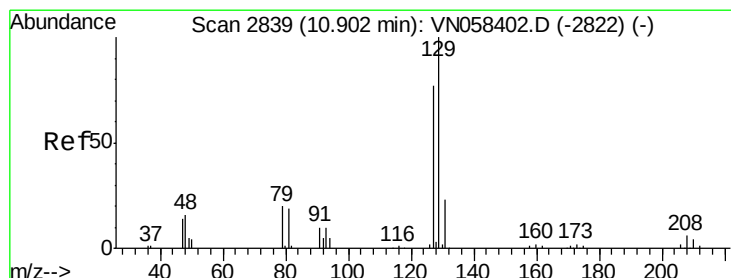
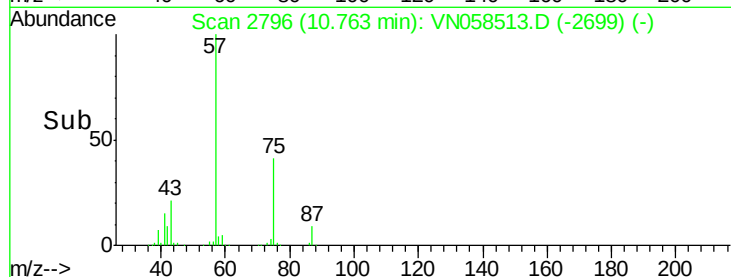
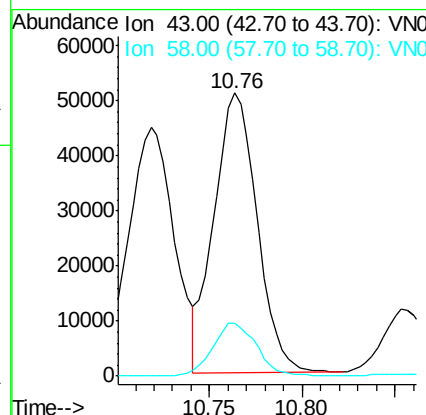
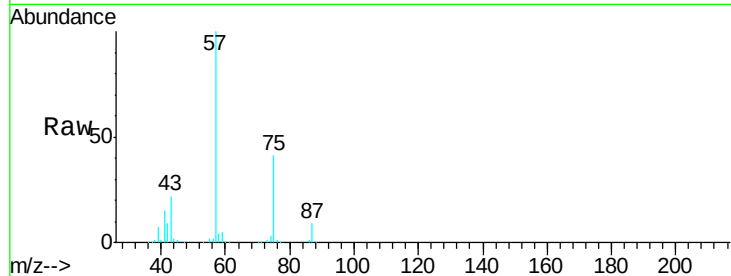




#59
2-Hexanone
Concen: 25.088 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

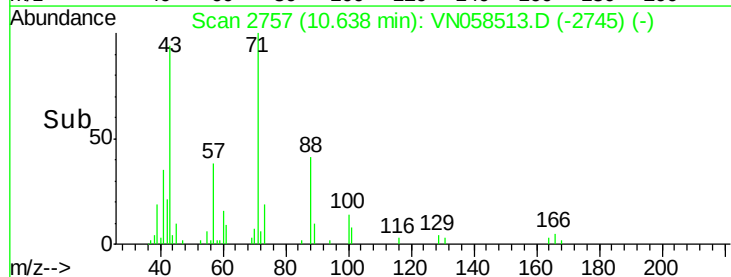
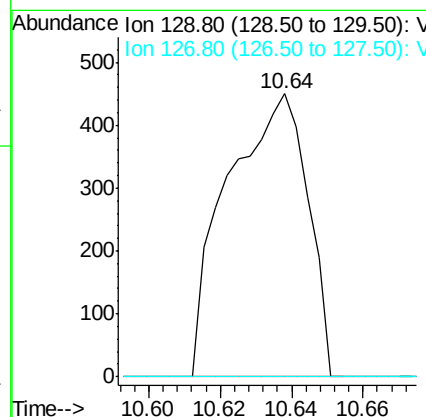
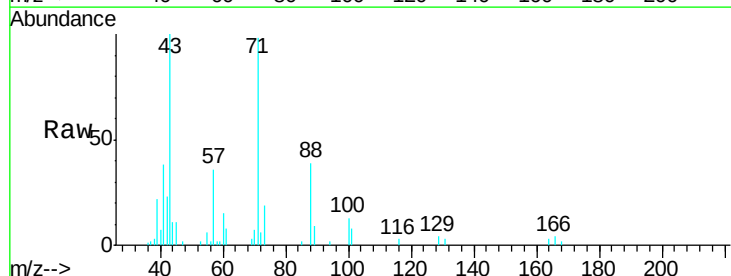
Instrument :
MSVOA_N
ClientSampleId :
PSEG-GAS

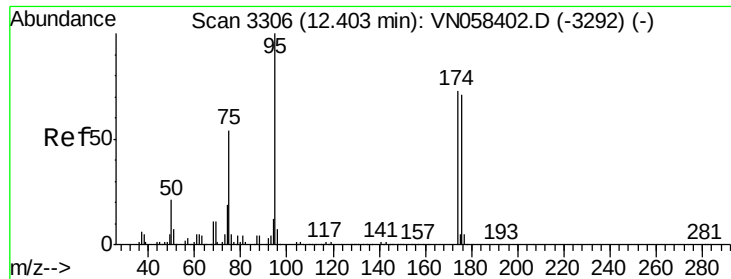
Tgt Ion: 43 Resp: 81826
Ion Ratio Lower Upper
43 100
58 19.5 25.8 77.3#



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.64 min Scan# 2757
Delta R.T. -0.26 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 129 Resp: 696
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#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

Instrument :

MSVOA_N

ClientSampleId :

PSEG-GAS

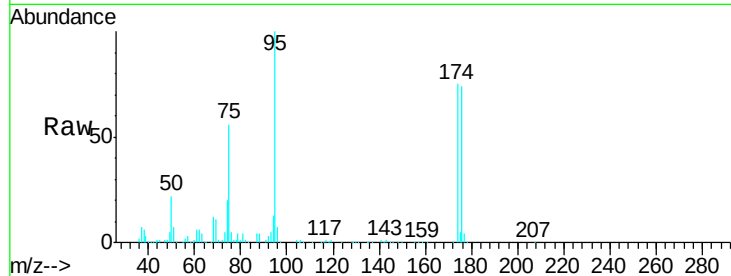
Tgt Ion: 95 Resp: 243573

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) (-)

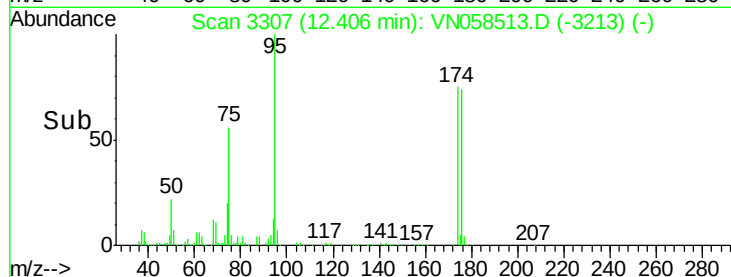
Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

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

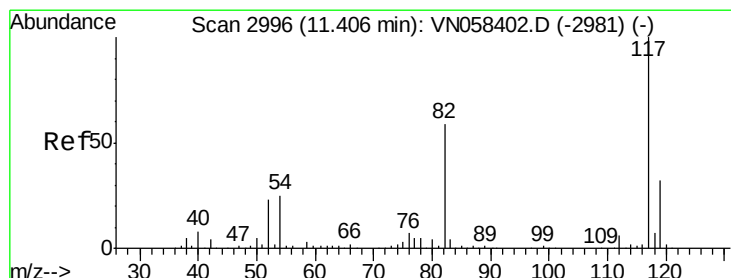
12.41

12.40

12.50



Time-->



#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

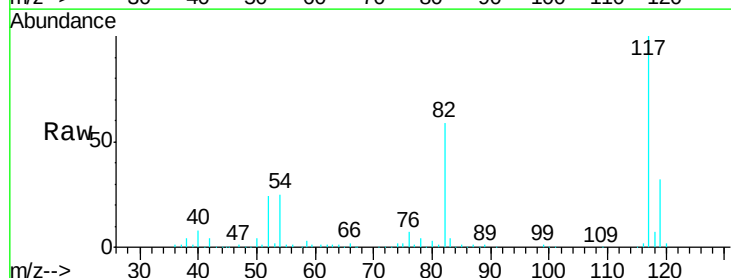
Tgt Ion: 117 Resp: 501572

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): VN058402.D (-2981) (-)

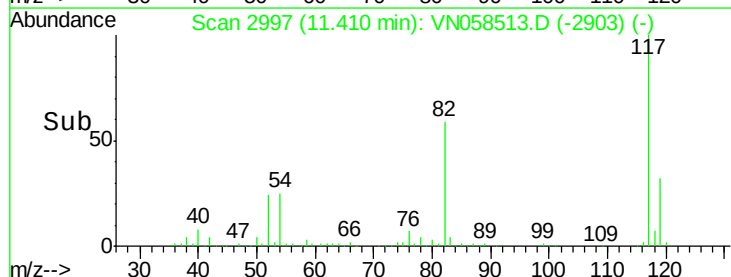
Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

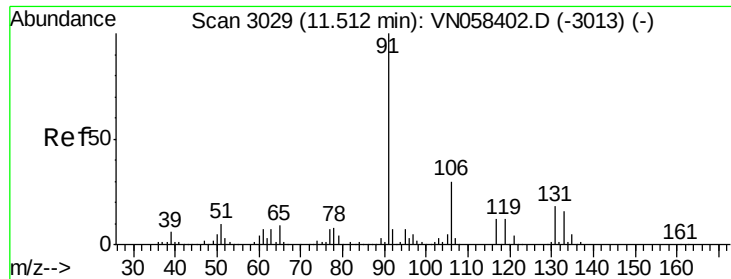
11.41

11.30

11.50



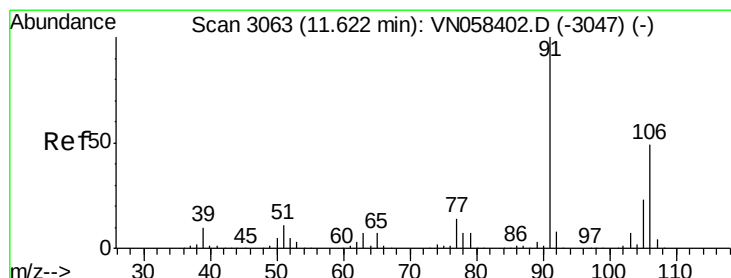
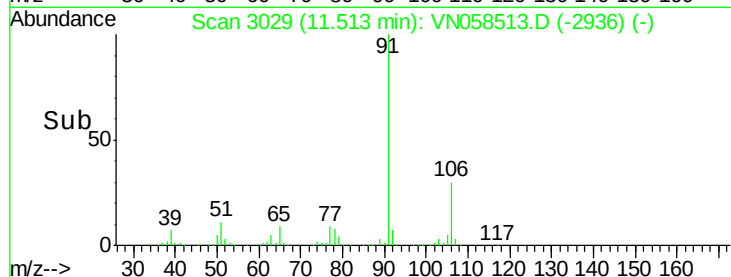
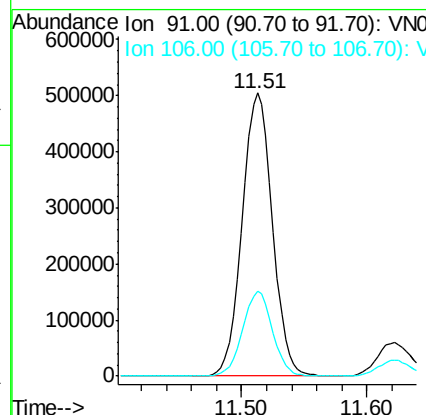
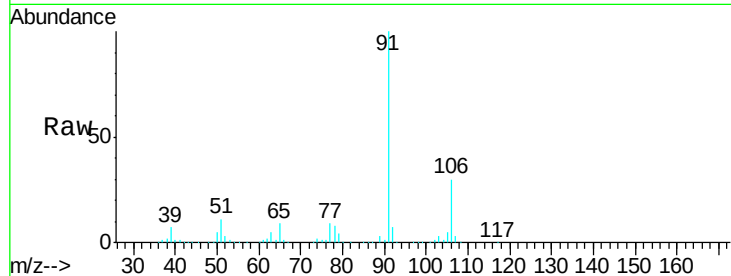
Time-->



#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

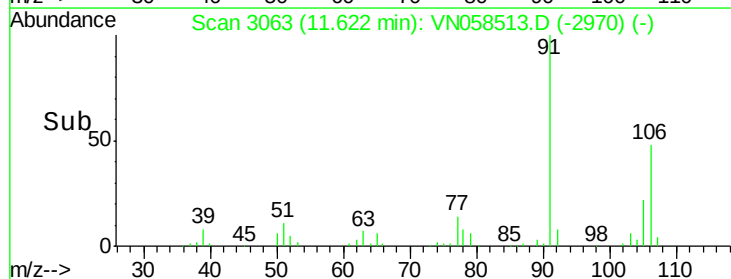
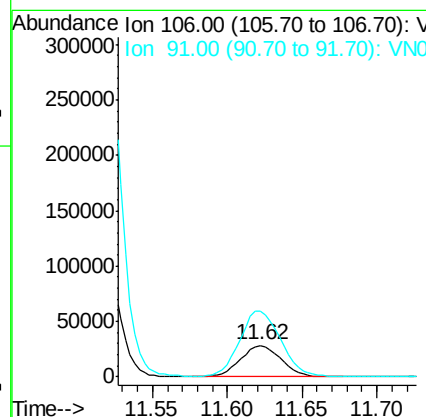
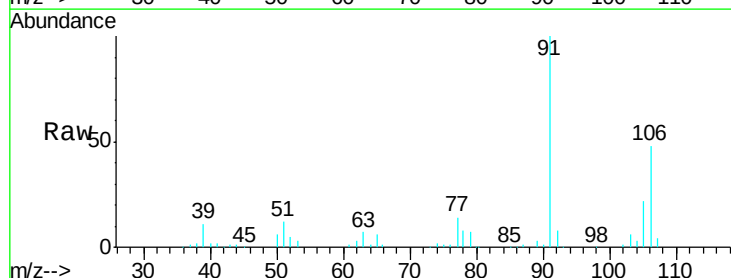
Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

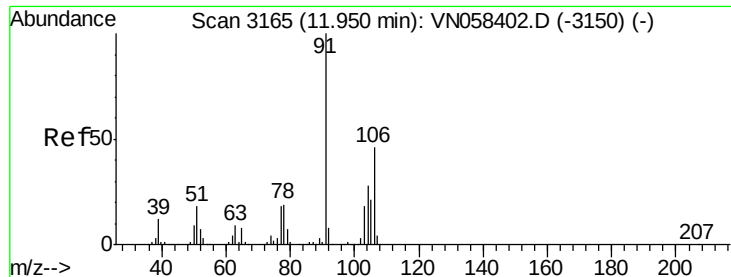
Tgt Ion: 91 Resp: 842811
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.3 36.5



#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

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

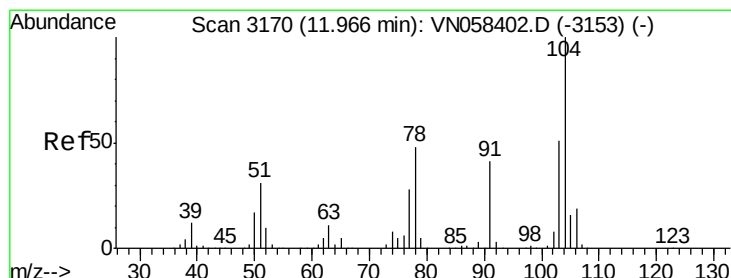
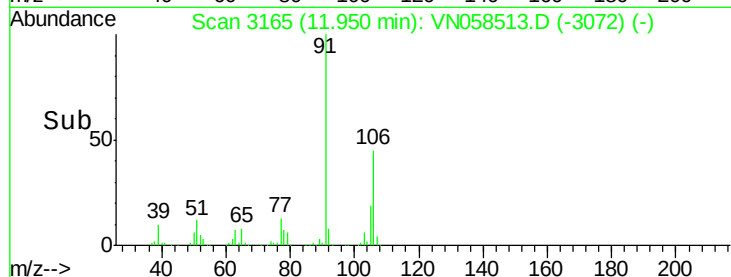
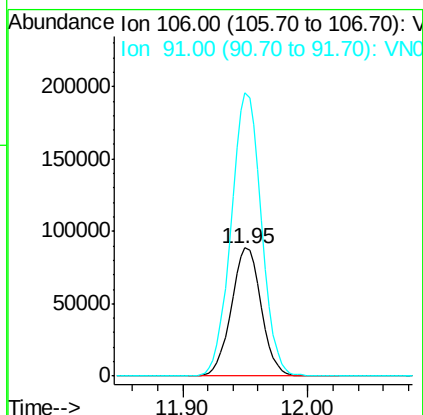
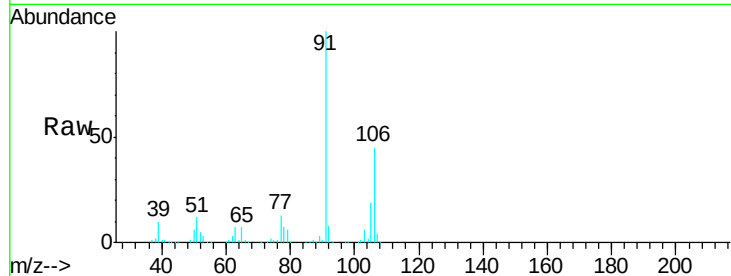




#69
o-Xylene
Concen: 22.422 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

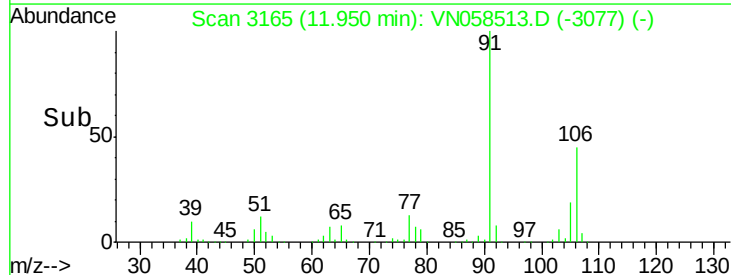
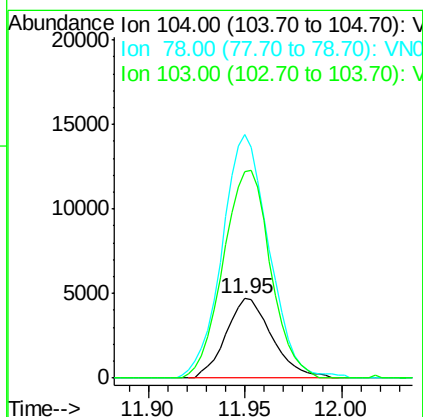
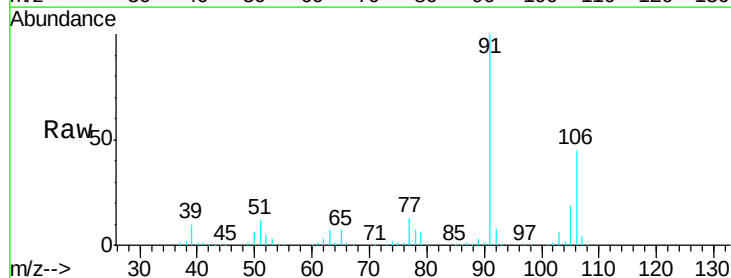
Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

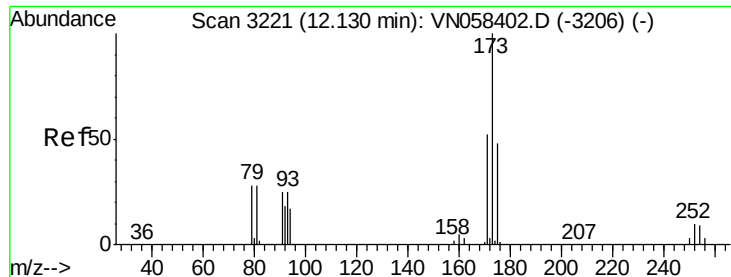
Tgt Ion:106 Resp: 146653
Ion Ratio Lower Upper
106 100
91 223.4 109.1 327.4



#70
Styrene
Concen: 0.736 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion:104 Resp: 7823
Ion Ratio Lower Upper
104 100
78 309.9 42.8 64.2#
103 267.8 43.7 65.5#





#71

Bromoform

Concen: 0.770 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

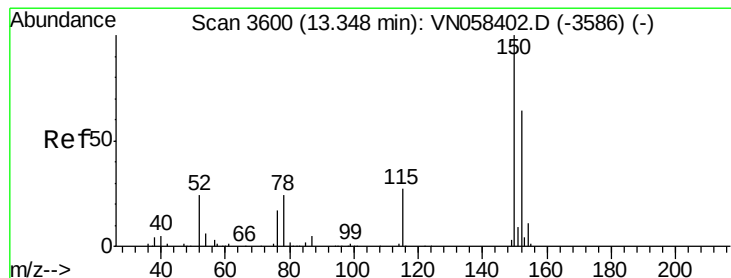
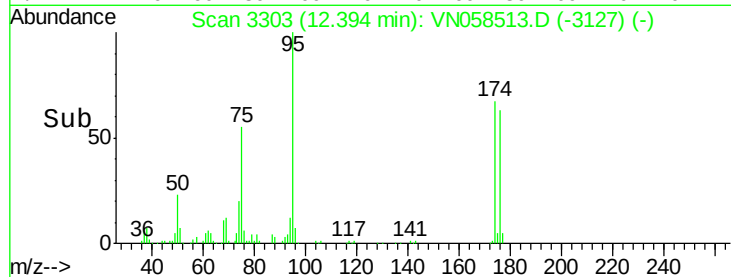
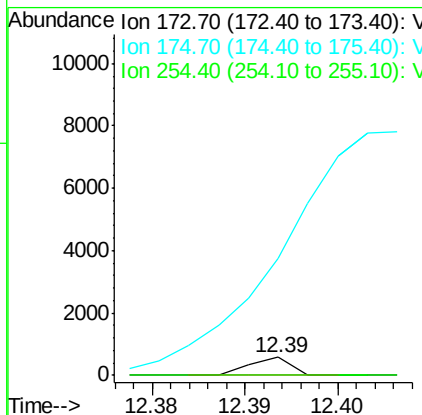
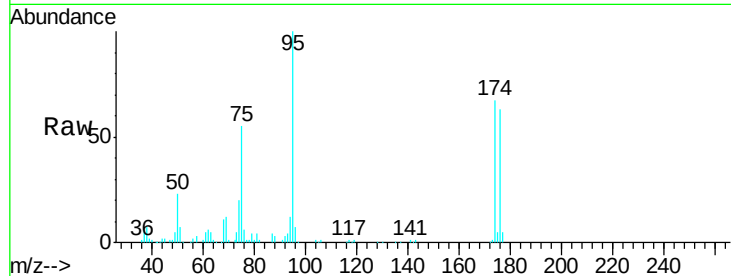
MSVOA_N

ClientSampleId :

PSEG-GAS

Tgt Ion:173 Resp: 178

Ion	Ratio	Lower	Upper
173	100		
175	6152.2	24.3	73.0#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

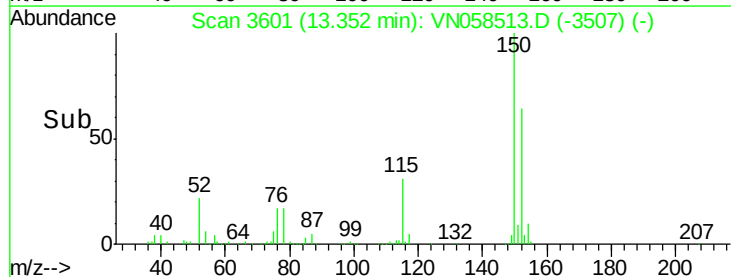
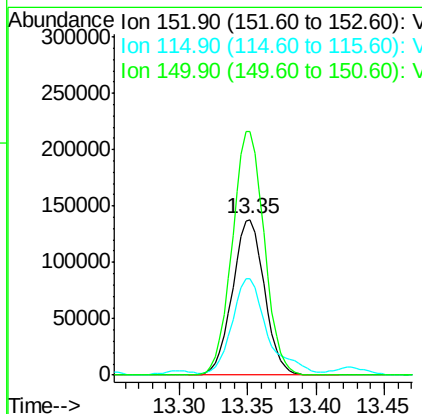
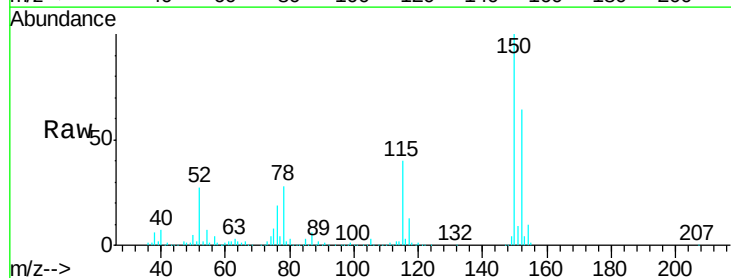
Delta R.T. 0.00 min

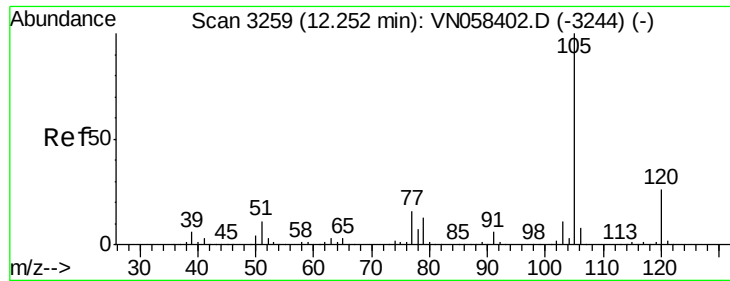
Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Tgt Ion:152 Resp: 224456

Ion	Ratio	Lower	Upper
152	100		
115	65.2	30.0	90.0
150	157.1	0.0	348.2





#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

Instrument :

MSVOA_N

ClientSampleId :

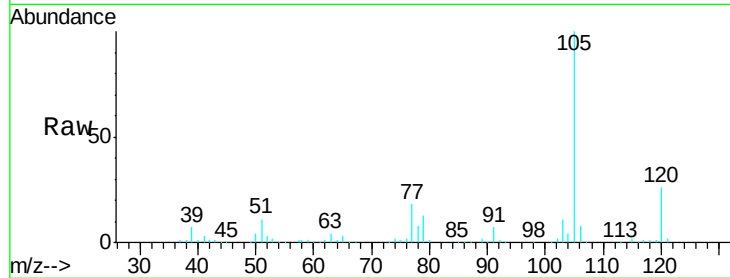
PSEG-GAS

Tgt Ion: 105 Resp: 239369

Ion Ratio Lower Upper

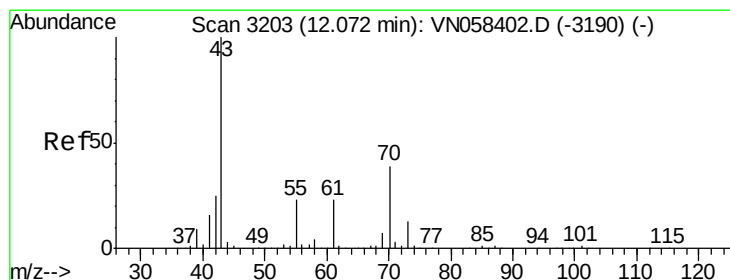
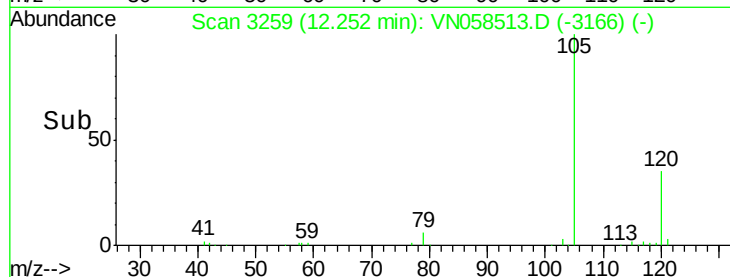
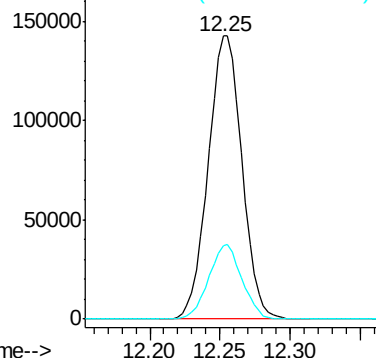
105 100

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



#74

N-ethyl acetate

Concen: 0.416 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Tgt Ion: 43 Resp: 2746

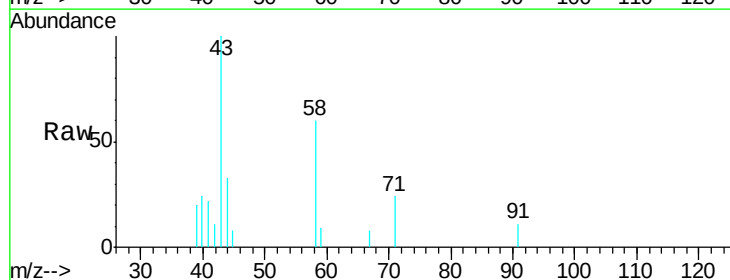
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.2#

55 10.0 18.2 27.4#

61 0.0 18.3 27.5#

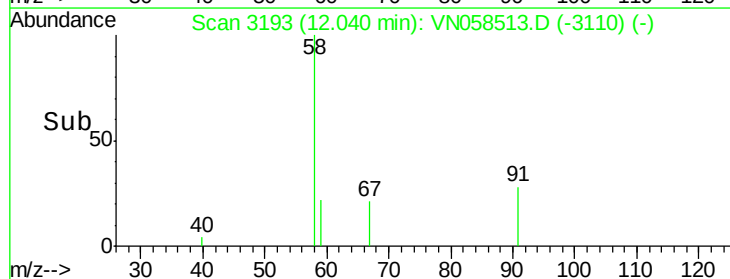
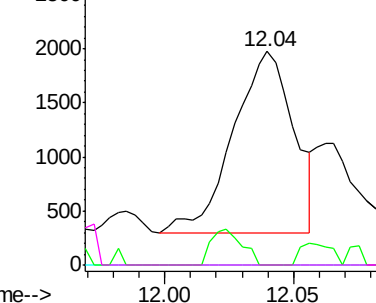


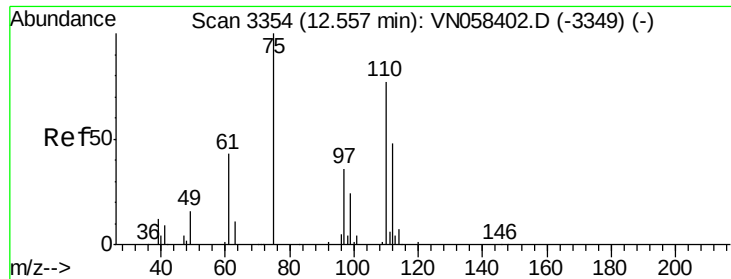
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 32.431 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

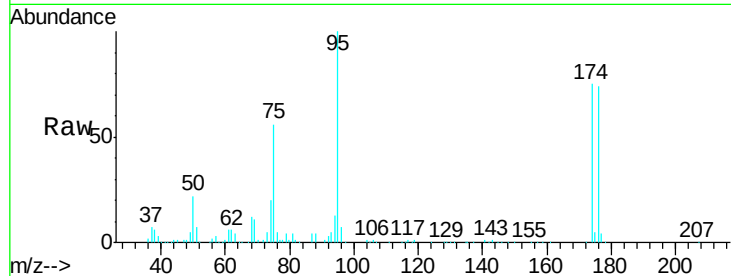
PSEG-GAS

Tgt Ion: 75 Resp: 132958

Ion Ratio Lower Upper

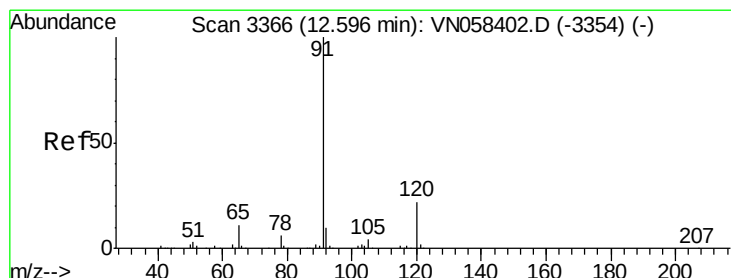
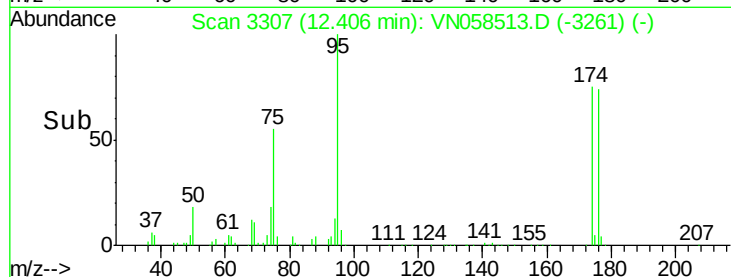
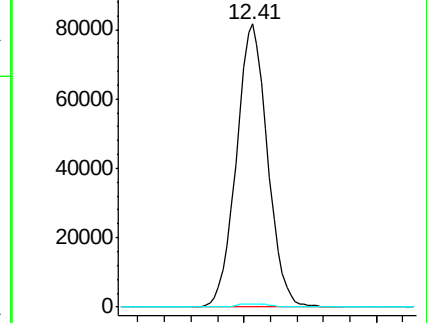
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 5.694 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058513.D

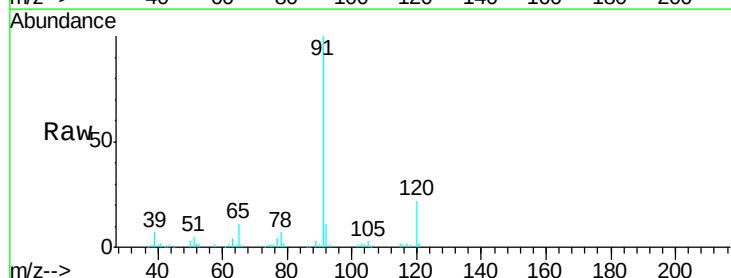
Acq: 3 Oct 2019 16:28

Tgt Ion: 91 Resp: 106411

Ion Ratio Lower Upper

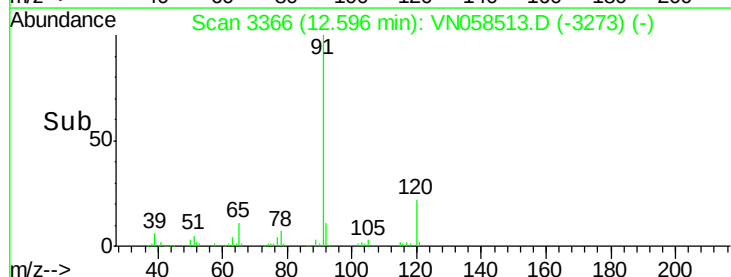
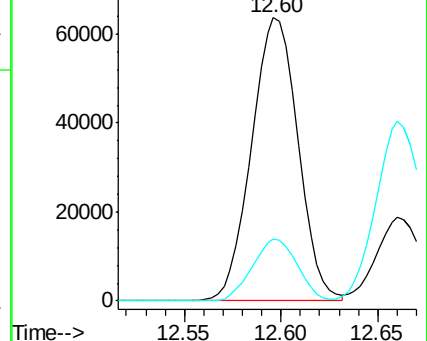
91 100

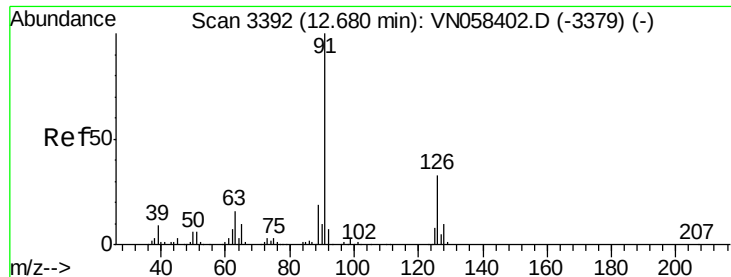
120 21.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.290 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

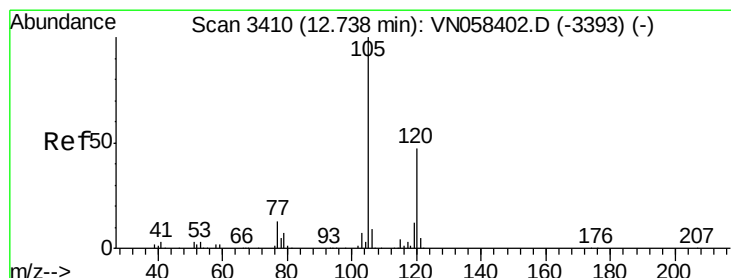
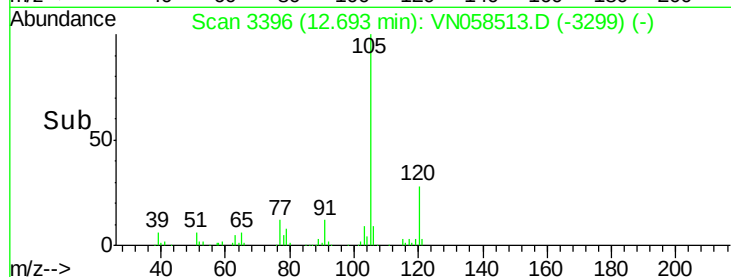
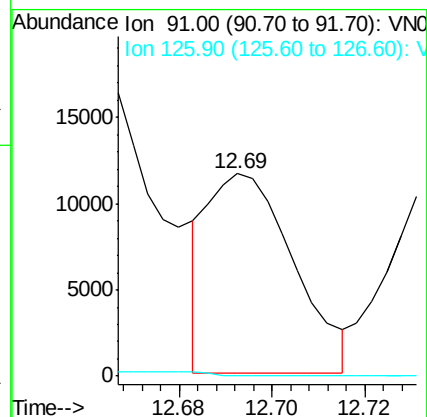
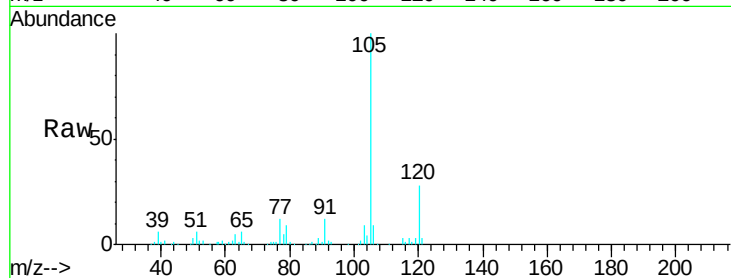
PSEG-GAS

Tgt Ion: 91 Resp: 14881

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



#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

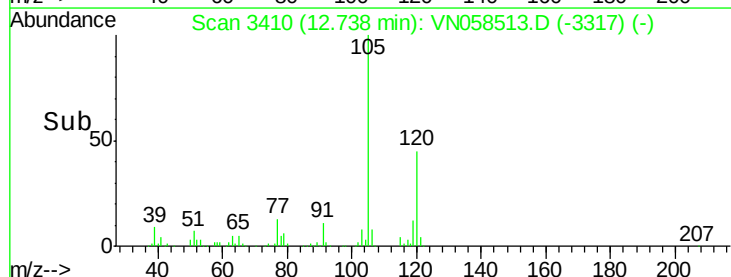
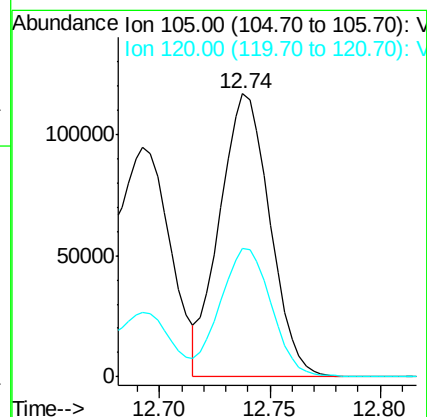
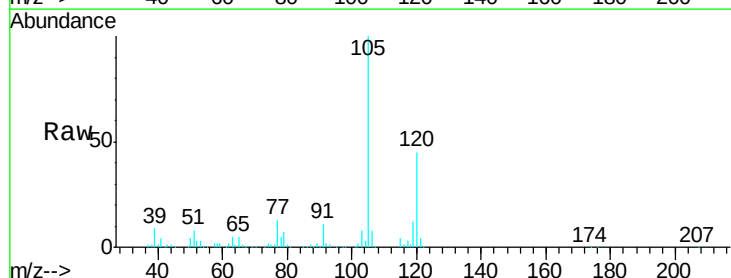
Acq: 3 Oct 2019 16:28

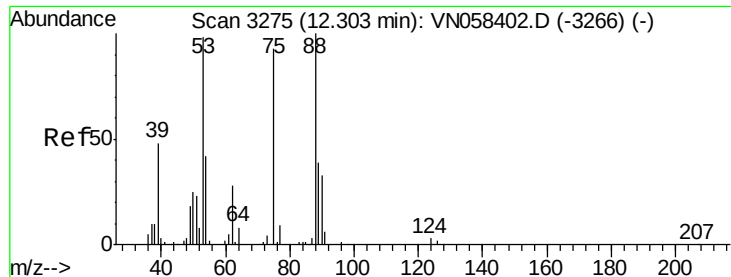
Tgt Ion: 105 Resp: 182949

Ion Ratio Lower Upper

105 100

120 46.7 23.5 70.6

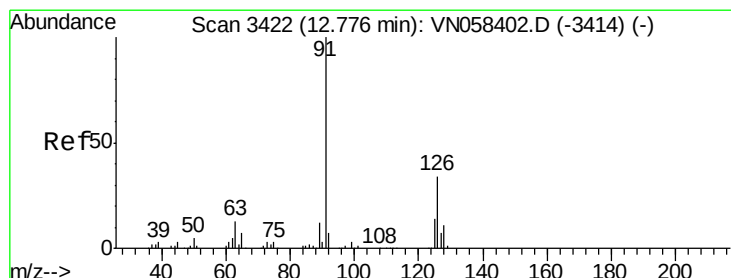
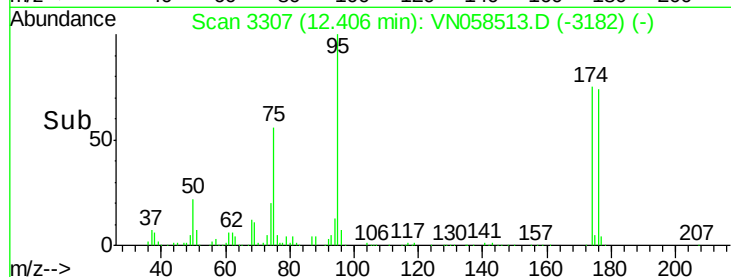
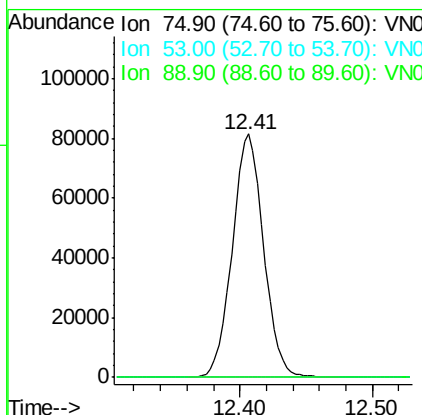
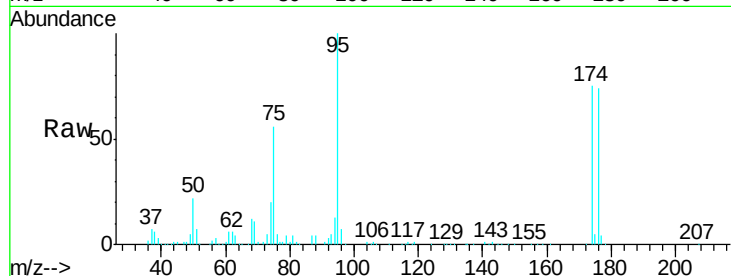




#81
trans-1,4-Dichloro-2-butene
Concen: 98.497 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

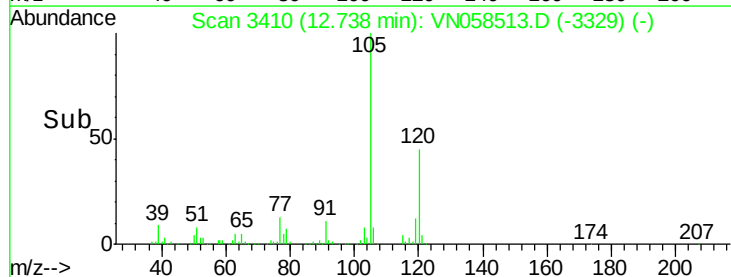
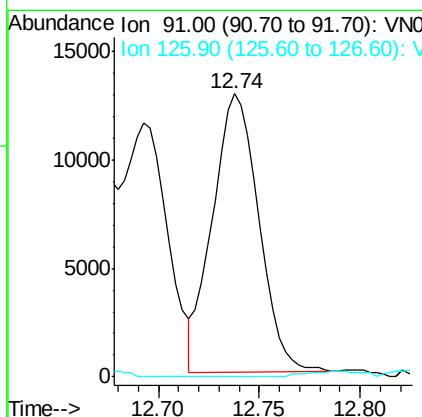
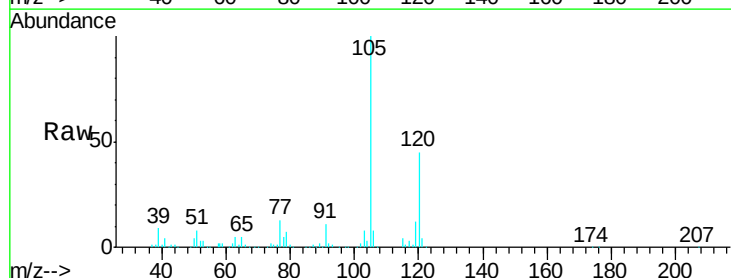
Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

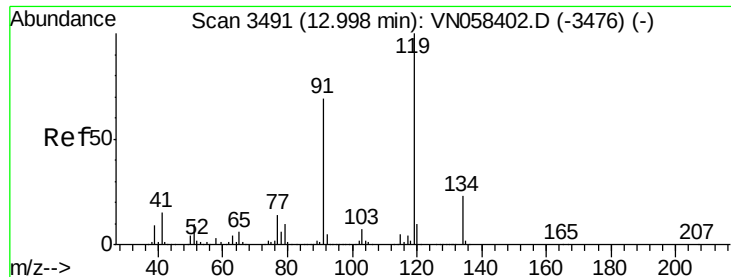
Tgt Ion: 75 Resp: 132958
Ion Ratio Lower Upper
75 100
53 0.1 85.4 128.0#
89 0.0 35.0 52.4#



#82
4-Chlorotoluene
Concen: 1.740 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.04 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 91 Resp: 20484
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#

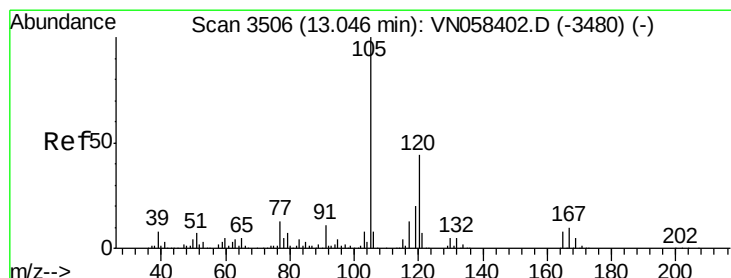
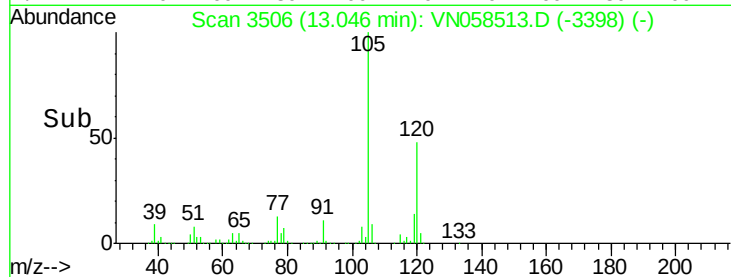
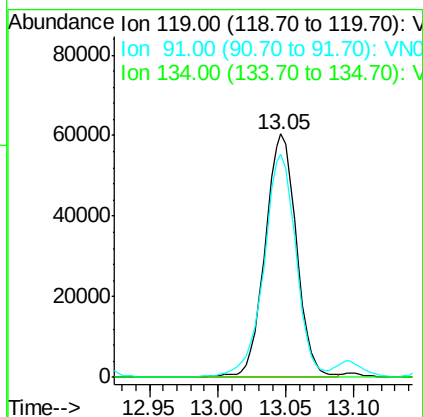
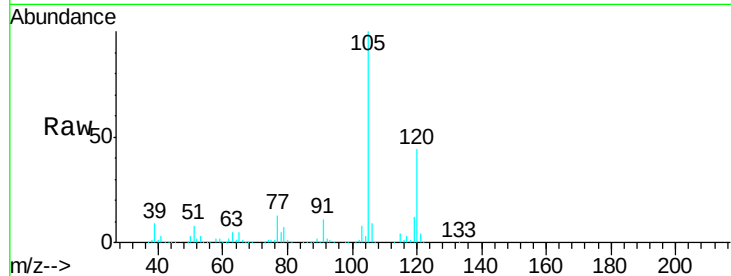




#83
 tert-Butylbenzene
 Concen: 8.235 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058513.D
 Acq: 3 Oct 2019 16:28

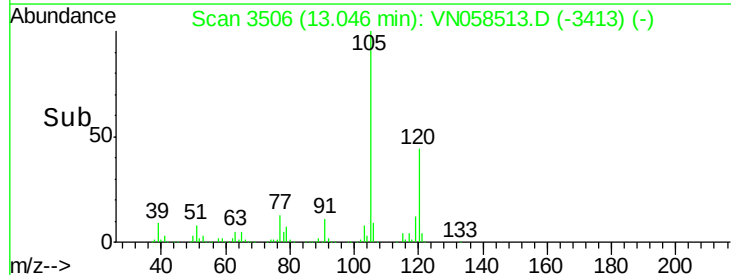
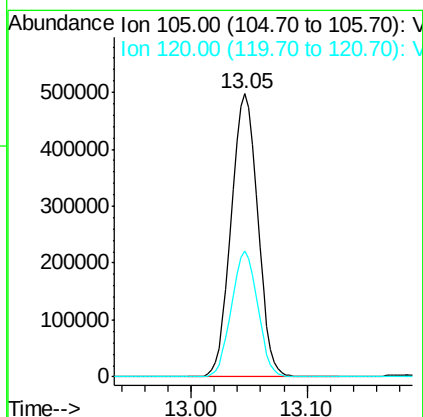
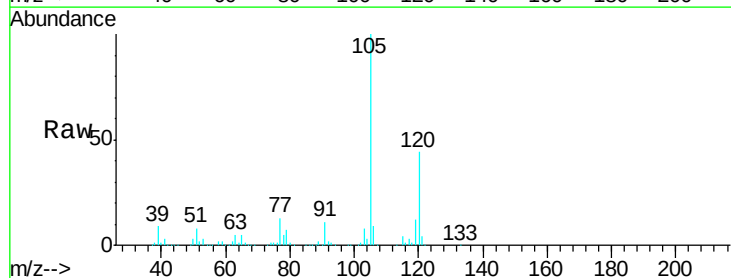
Instrument :
 MSVOA_N
 ClientSampleId :
 PSEG-GAS

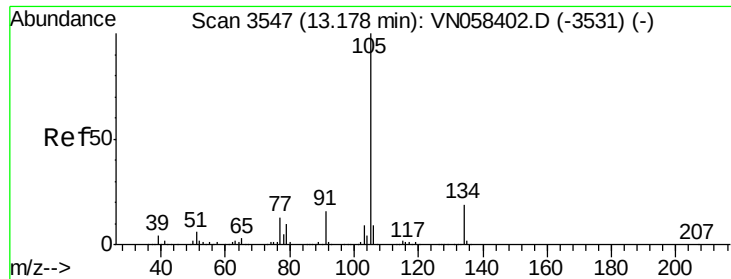
Tgt Ion:119 Resp: 96488
 Ion Ratio Lower Upper
 119 100
 91 94.3 34.2 102.6
 134 0.0 11.6 34.8#



#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

Tgt Ion:105 Resp: 785935
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.7 65.1





#85

sec-Butylbenzene

Concen: 50.962 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

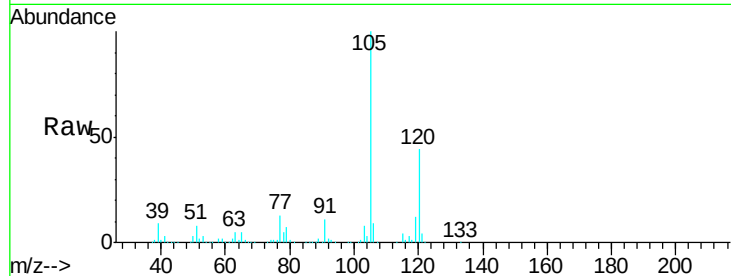
PSEG-GAS

Tgt Ion:105 Resp: 785935

Ion Ratio Lower Upper

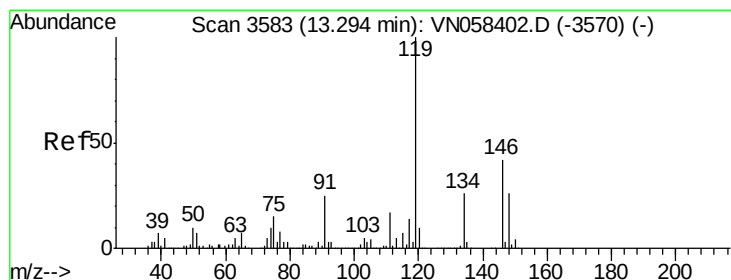
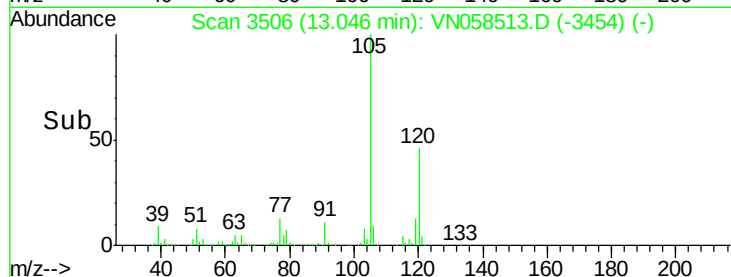
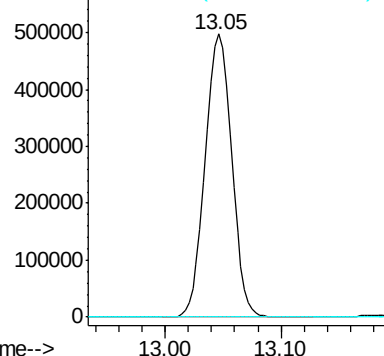
105 100

134 0.0 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): 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

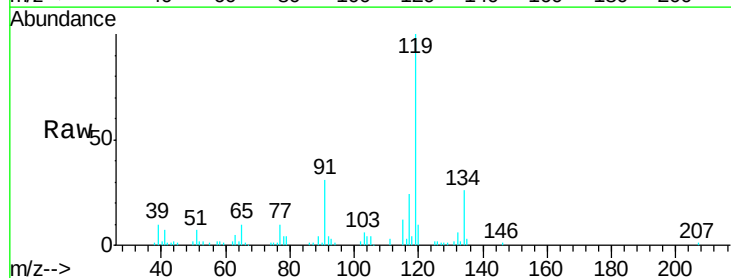
Tgt Ion:119 Resp: 51670

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

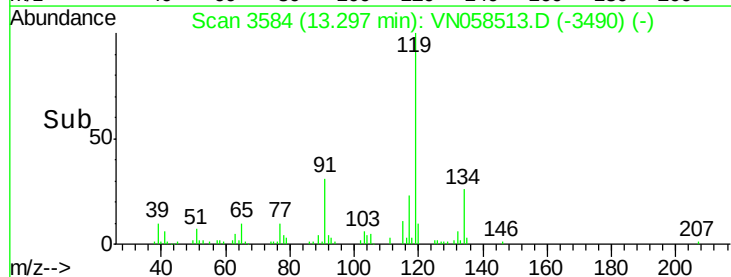
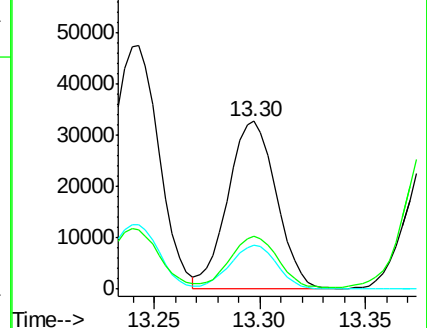
91 30.0 12.4 37.0

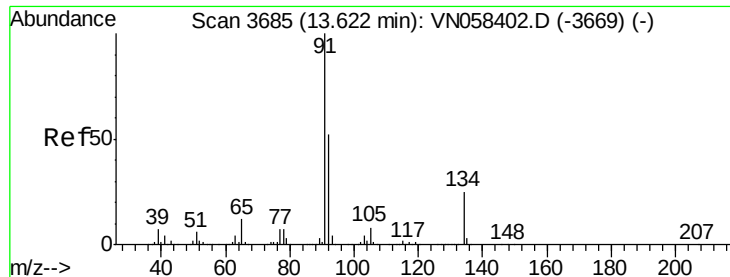


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

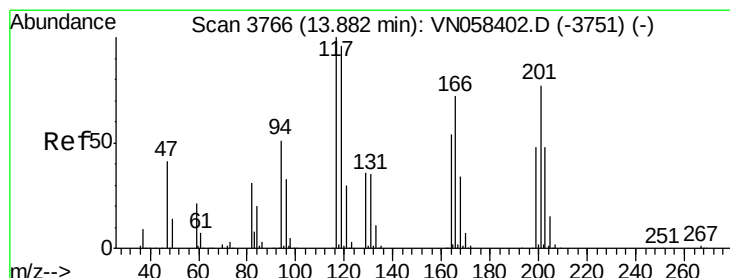
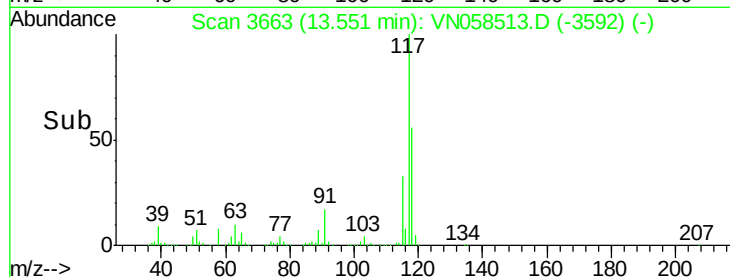
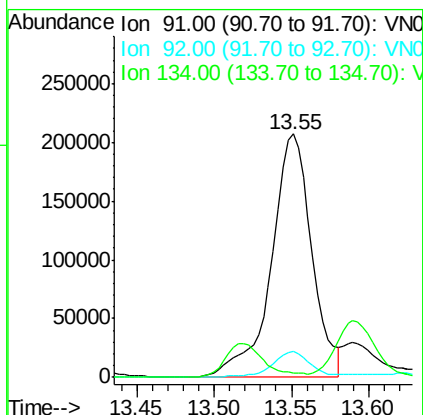
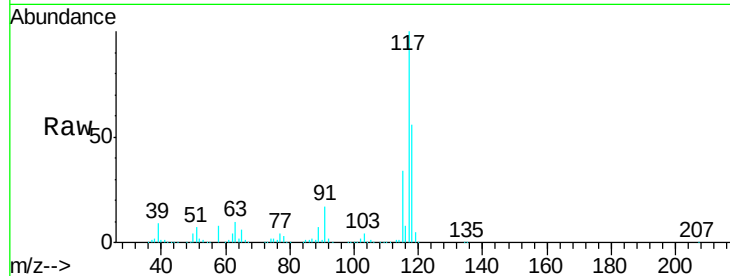




#89
n-Butylbenzene
Concen: 30.679 ug/l
RT: 13.55 min Scan# 3663
Delta R.T. -0.07 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

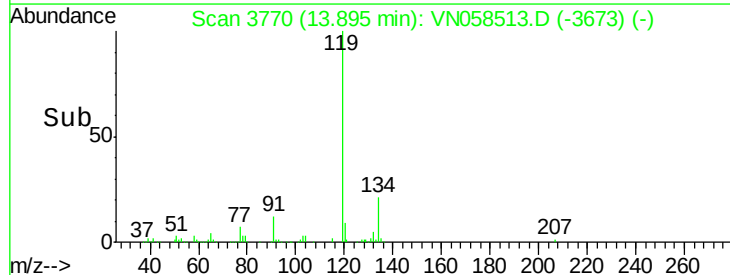
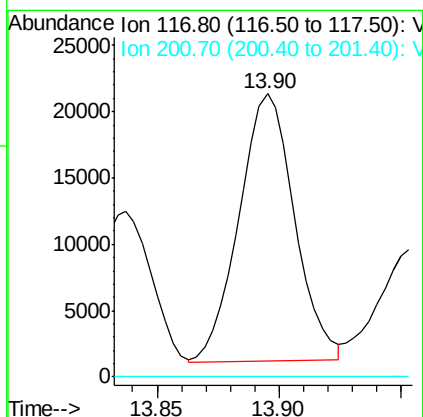
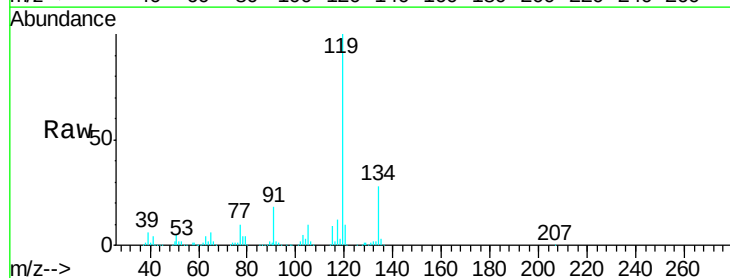
Instrument :
MSVOA_N
ClientSampled :
PSEG-GAS

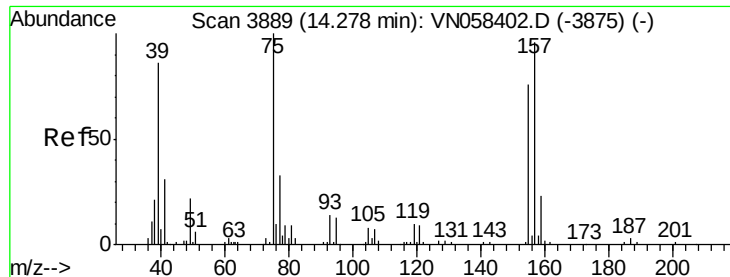
Tgt Ion: 91 Resp: 377249
Ion Ratio Lower Upper
91 100
92 10.1 25.7 77.1#
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 15.580 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058513.D
Acq: 3 Oct 2019 16:28

Tgt Ion: 117 Resp: 31778
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.865 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.02 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

PSEG-GAS

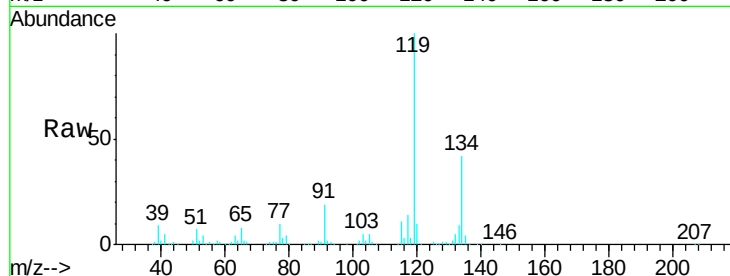
Tgt Ion: 75 Resp: 1613

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

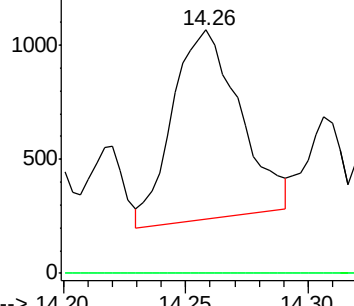
157 0.0 48.7 146.1#



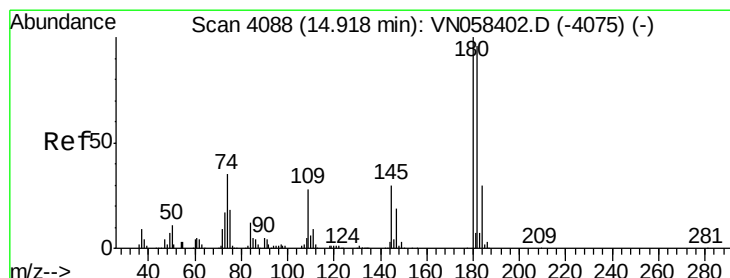
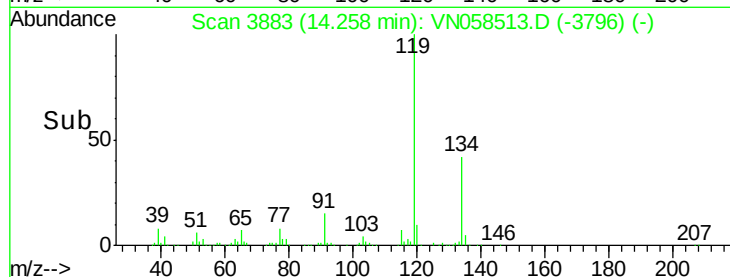
Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN058402.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN058402.D (-3875) (-)



Time--> 14.20 14.25 14.30



#93

1,2,4-Trichlorobenzene

Concen: 0.202 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

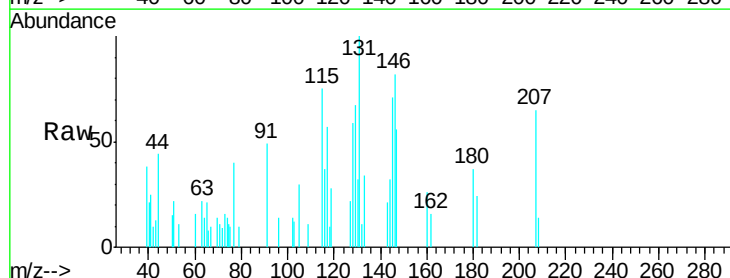
Tgt Ion: 180 Resp: 755

Ion Ratio Lower Upper

180 100

182 94.7 47.4 142.3

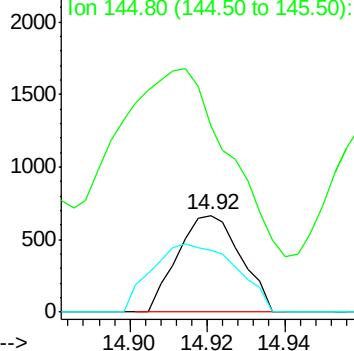
145 337.1 15.3 45.9#



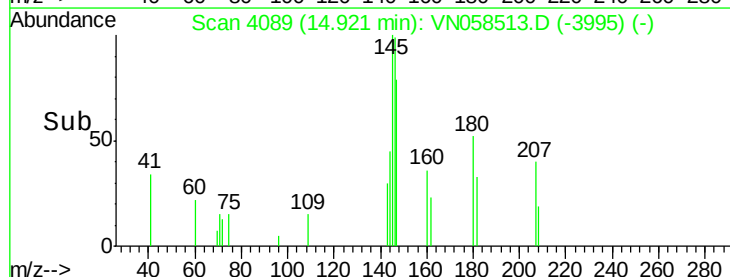
Abundance Ion 179.80 (179.50 to 180.50): VN058402.D (-4075) (-)

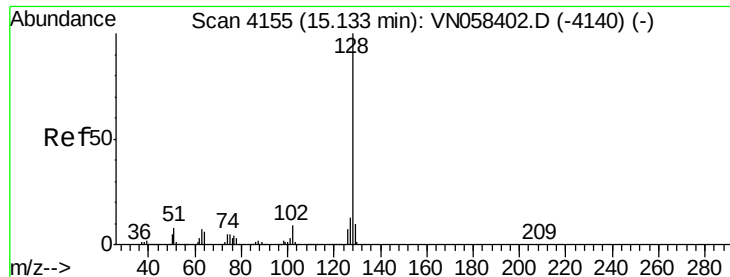
Ion 181.80 (181.50 to 182.50): VN058402.D (-4075) (-)

Ion 144.80 (144.50 to 145.50): VN058402.D (-4075) (-)



Time--> 14.90 14.92 14.94





#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

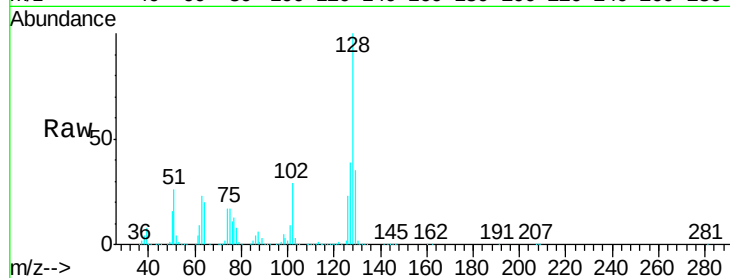
Tgt Ion:128 Resp: 6041261

Ion Ratio Lower Upper

128 100

127 27.3 10.2 15.4#

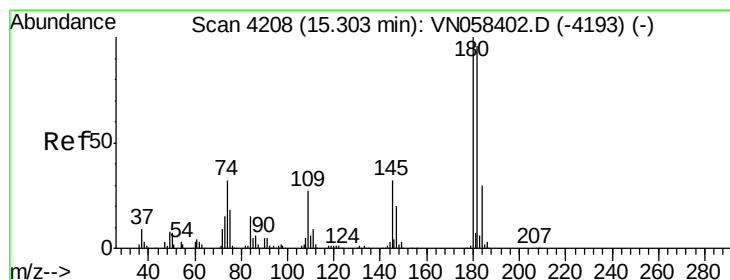
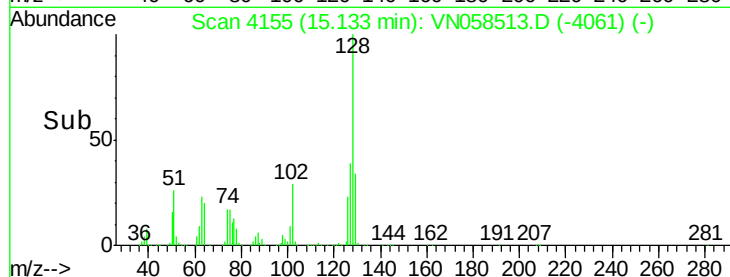
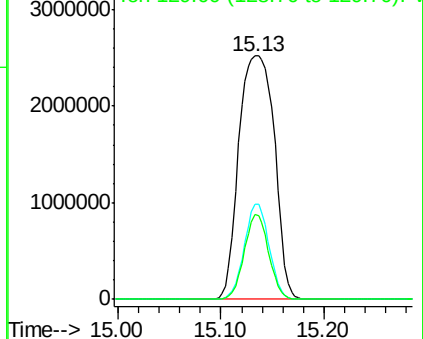
129 23.9 8.3 12.5#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.224 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058513.D

Acq: 3 Oct 2019 16:28

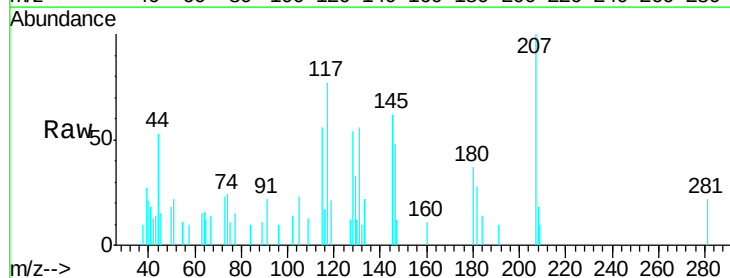
Tgt Ion:180 Resp: 937

Ion Ratio Lower Upper

180 100

182 70.3 48.3 144.9

145 0.0 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

