

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016889.D
 Acq On : 12 Jun 2020 19:23
 Operator : SY/MD
 Sample : L2914-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9D86

Quant Time: Jun 13 03:10:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	362858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	344799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169556	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	100135	39.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.22%
7) Chloroethane-d5	1.56	69	72118	46.94	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.12	63	140184	32.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.20%
21) 2-Butanone-d5	3.89	46	180686	95.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.35%
24) Chloroform-d	4.37	84	227451	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
26) 1,2-Dichloroethane-d4	5.05	65	168168	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.07	84	440644	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
36) 1,2-Dichloropropane-d6	6.09	67	135836	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.68%
41) Toluene-d8	7.34	98	399321	43.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.56%
43) trans-1,3-Dichloropropene-	7.64	79	68337	42.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.70%
47) 2-Hexanone-d5	8.11	63	106285	78.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.69%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178027	43.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	169522	46.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.70%

Target Compounds

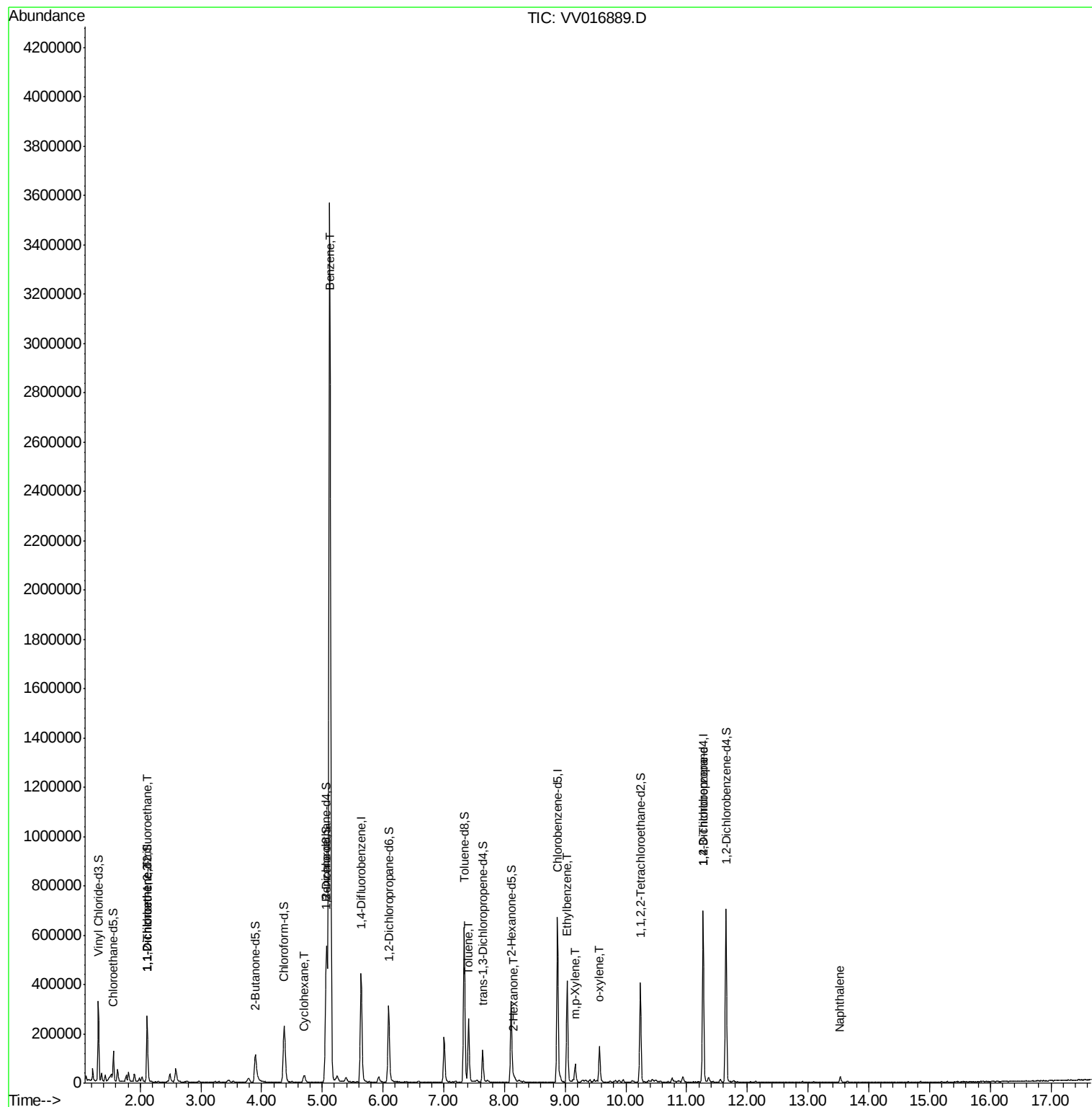
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1456	0.755 ug/L #	21
12) 1,1-Dichloroethene	2.11	96	1402	0.778 ug/L #	1
29) Cyclohexane	4.70	56	14213	3.317 ug/L	98
33) Benzene	5.12	78	3404152	333.688 ug/L	100
42) Toluene	7.41	91	176357	16.399 ug/L	99
48) 2-Hexanone	8.16	43	11506	3.947 ug/L #	76
52) Ethylbenzene	9.03	91	274805	23.070 ug/L	98
53) m,p-Xylene	9.16	106	18620	4.198 ug/L	93
54) o-xylene	9.57	106	36070	8.246 ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	19605	5.956 ug/L	92
69) Naphthalene	13.53	128	16533	1.565 ug/L #	90

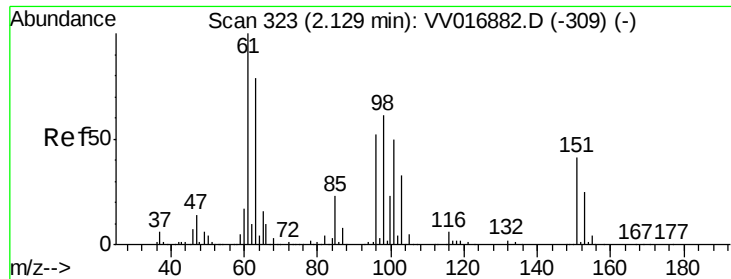
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 03:10:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 03:02:20 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.755 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Instrument :

MSVOA_V

ClientSampleId :

F9D86

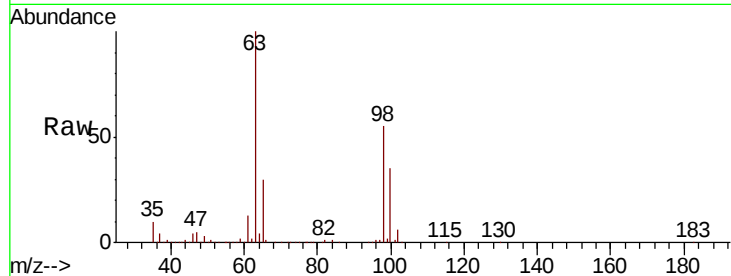
Tot Ion:101 Resp: 1456

Ion Ratio Lower Upper

101 100

85 6.9 35.5 53.3#

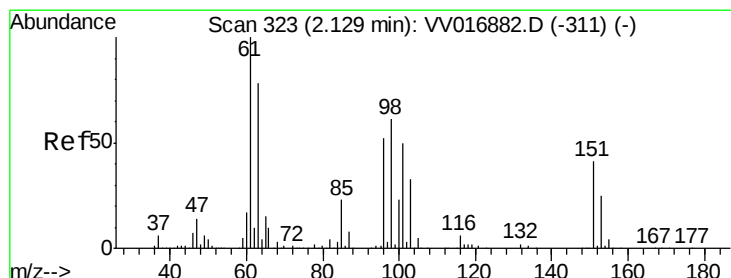
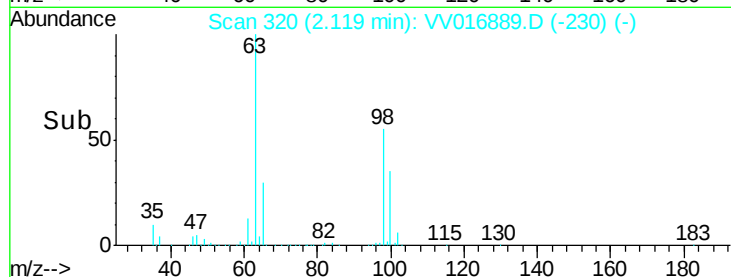
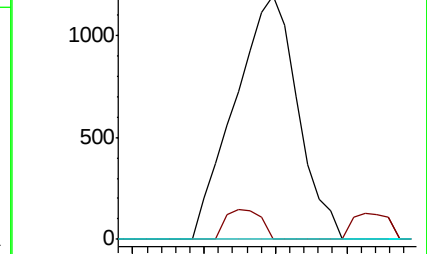
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.778 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

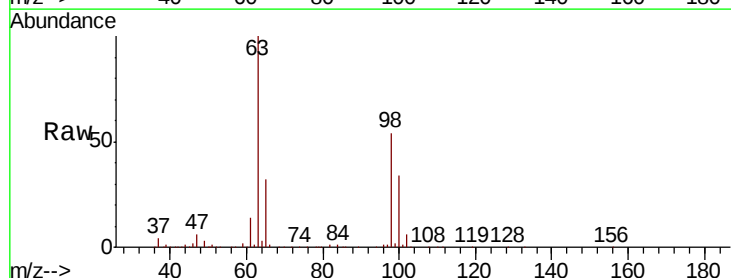
Tgt Ion: 96 Resp: 1402

Ion Ratio Lower Upper

96 100

61 1619.4 130.4 242.2#

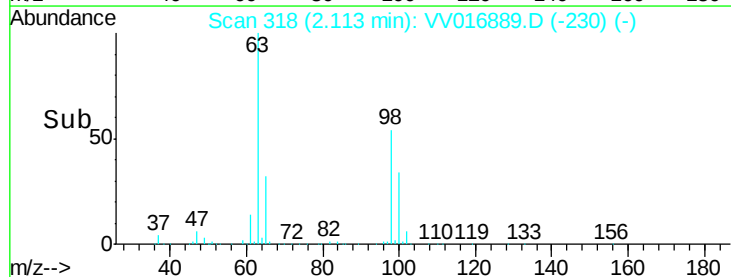
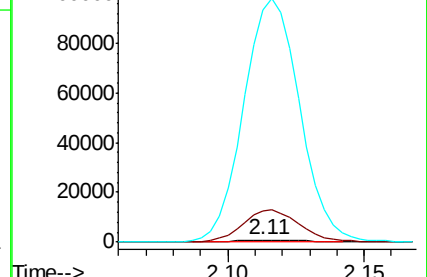
63 11971.3 103.3 191.9#

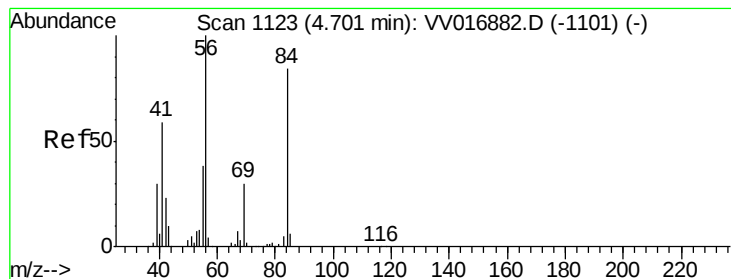


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#29

Cyclohexane

Concen: 3.317 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Instrument :

MSVOA_V

ClientSampleId :

F9D86

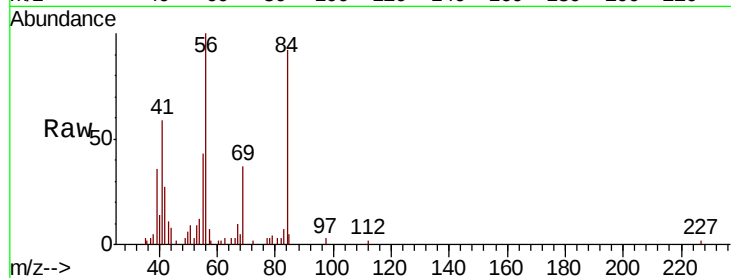
Tot Ion: 56 Resp: 14213

Ion Ratio Lower Upper

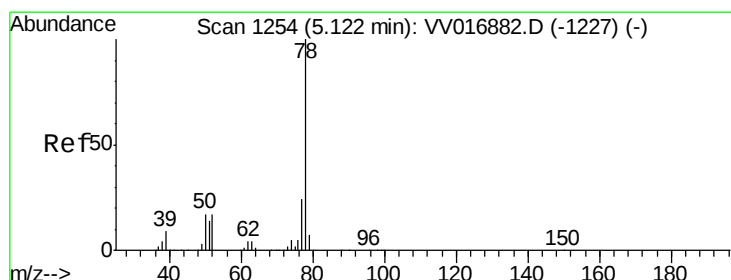
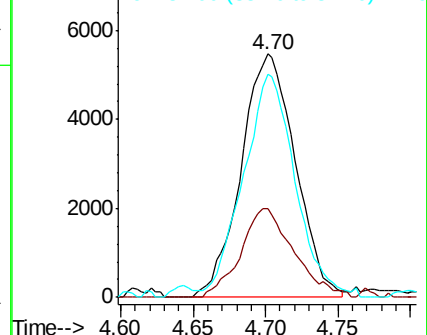
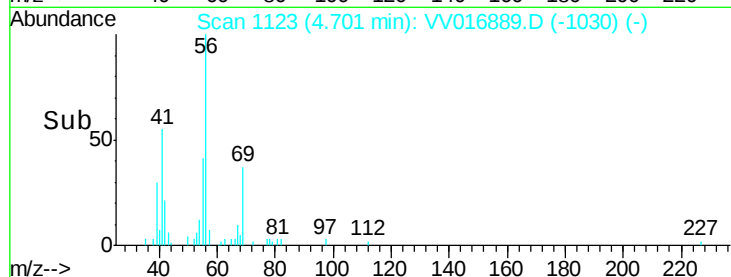
56 100

69 34.1 25.0 37.4

84 86.4 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016889.D (-1030) (-)



#33

Benzene

Concen: 333.688 ug/L

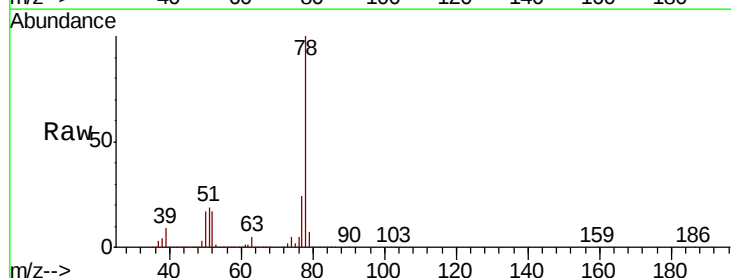
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

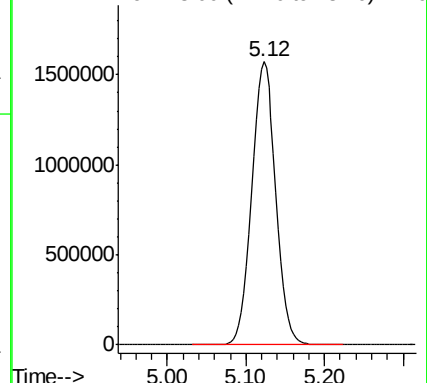
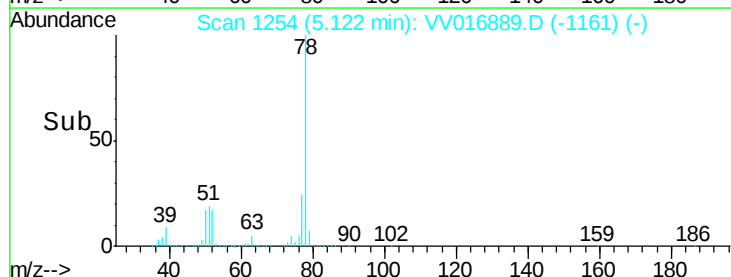
Lab File: VV016889.D

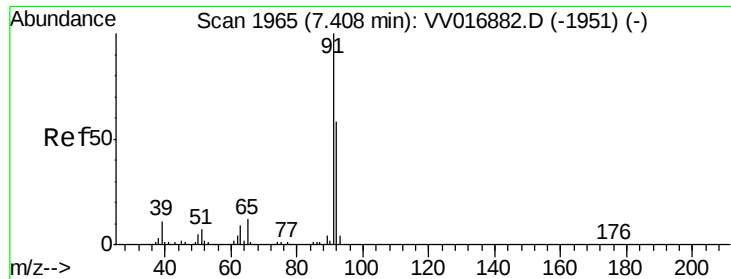
Acq: 12 Jun 2020 19:23

Tgt Ion: 78 Resp: 3404152



Abundance Ion 78.00 (77.70 to 78.70): VV016889.D (-1161) (-)





#42

Toluene

Concen: 16.399 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Instrument :

MSVOA_V

ClientSampleId :

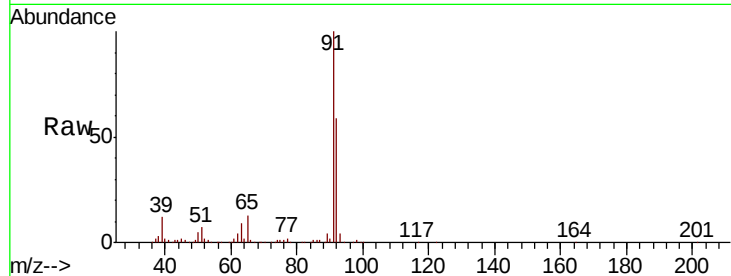
F9D86

Tot Ion: 91 Resp: 176357

Ion Ratio Lower Upper

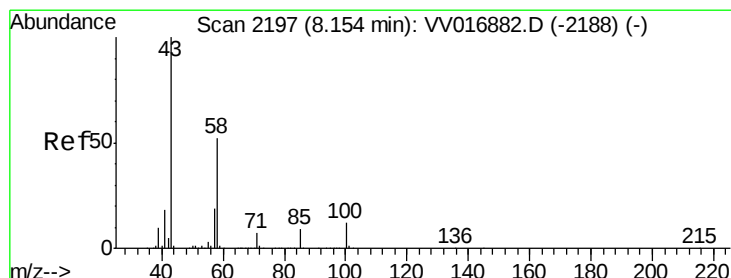
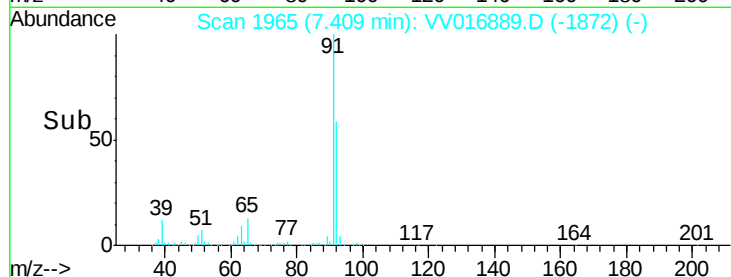
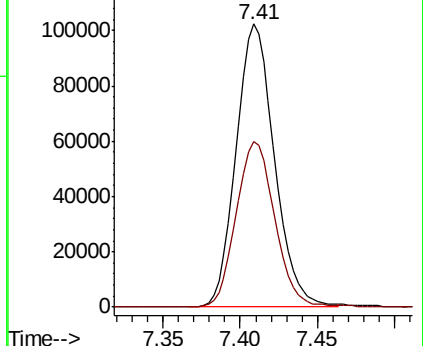
91 100

92 58.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016882.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV016889.D (-1872) (-)



#48

2-Hexanone

Concen: 3.947 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Tgt Ion: 43 Resp: 11506

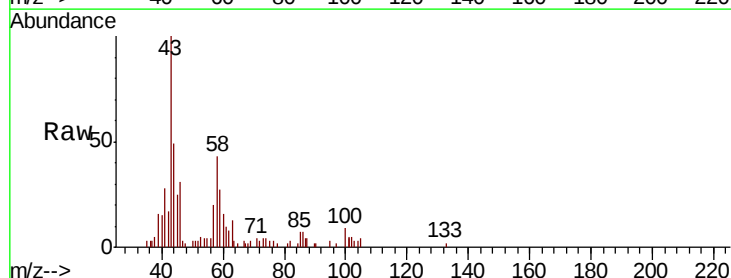
Ion Ratio Lower Upper

43 100

58 32.8 43.1 64.7#

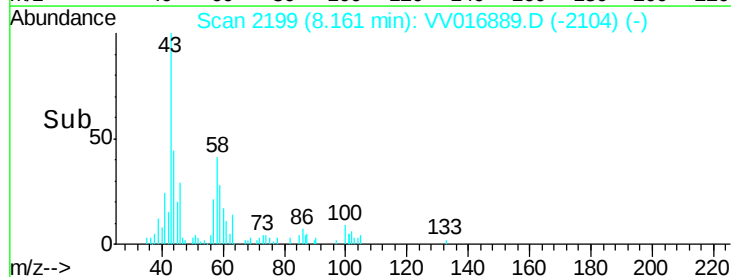
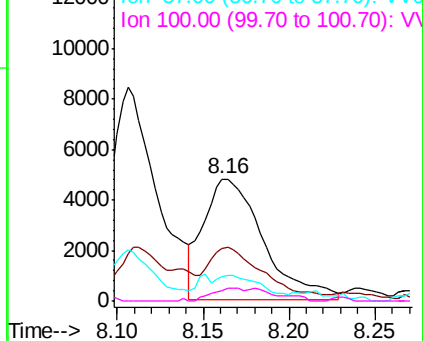
57 13.9 15.3 22.9#

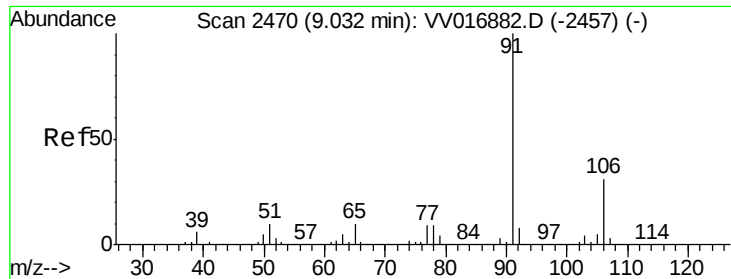
100 5.6 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VV016882.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV016889.D (-2104) (-)





#52

Ethylbenzene

Concen: 23.070 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Instrument :

MSVOA_V

ClientSampleId :

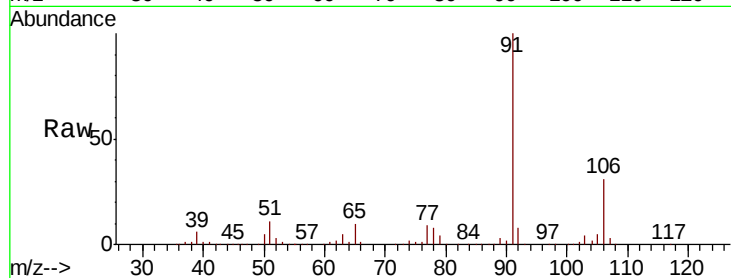
F9D86

Tot Ion: 91 Resp: 274805

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016889.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV016889.D (-2377) (-)

200000

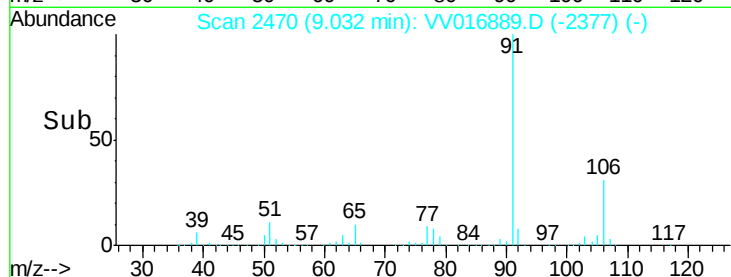
150000

100000

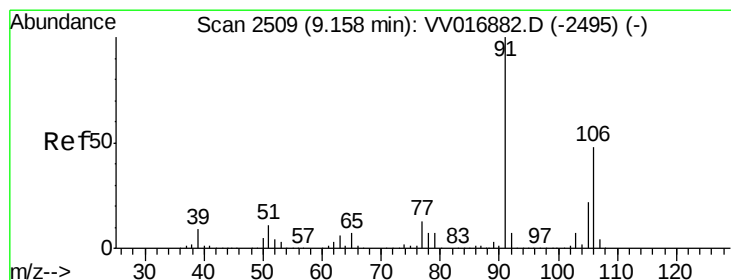
50000

0

Time-->



Time-->



#53

m,p-Xylene

Concen: 4.198 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016889.D

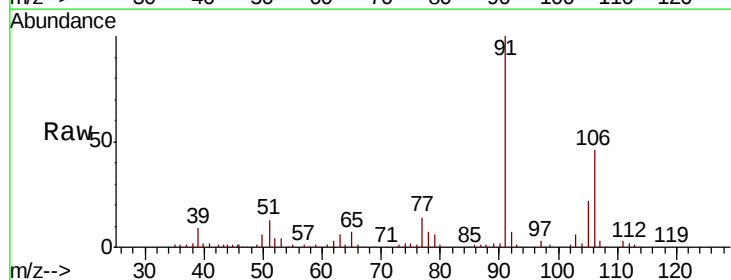
Acq: 12 Jun 2020 19:23

Tgt Ion: 106 Resp: 18620

Ion Ratio Lower Upper

106 100

91 217.1 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016889.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV016889.D (-2416) (-)

30000

25000

20000

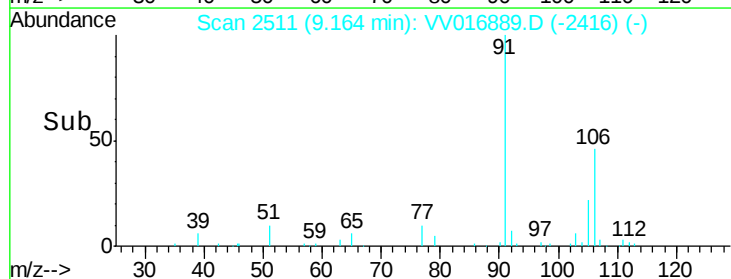
15000

10000

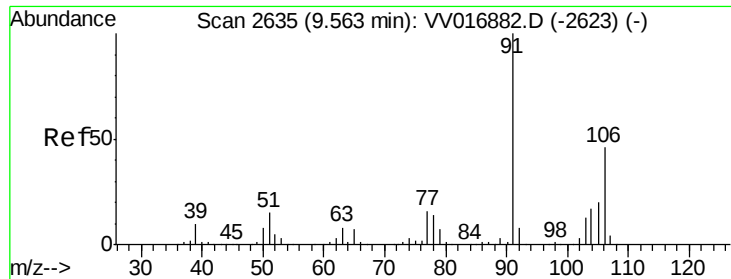
5000

0

Time-->



Time-->



#54

o-xylene

Concen: 8.246 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016889.D

Acq: 12 Jun 2020 19:23

Instrument :

MSVOA_V

ClientSampled :

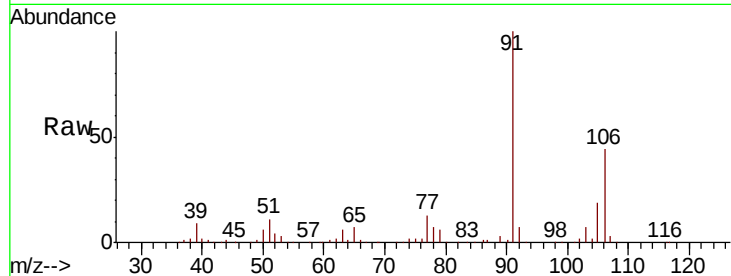
F9D86

Tot Ion:106 Resp: 36070

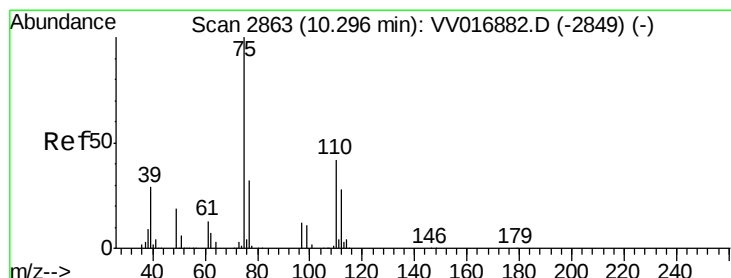
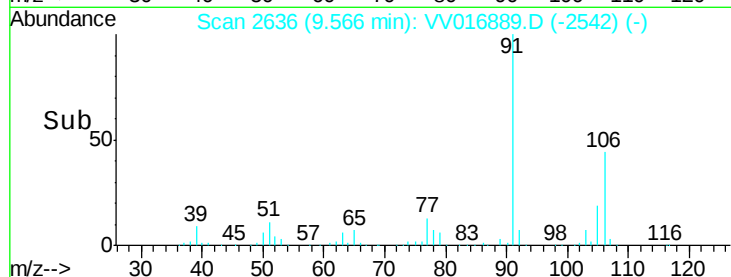
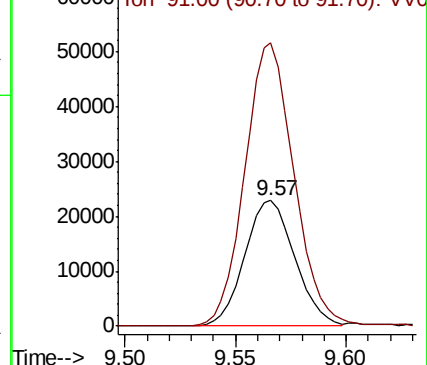
Ion Ratio Lower Upper

106 100

91 225.6 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): VV016889.D (-2542) (-)



#59

1,2,3-Trichloropropane

Concen: 5.956 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016889.D

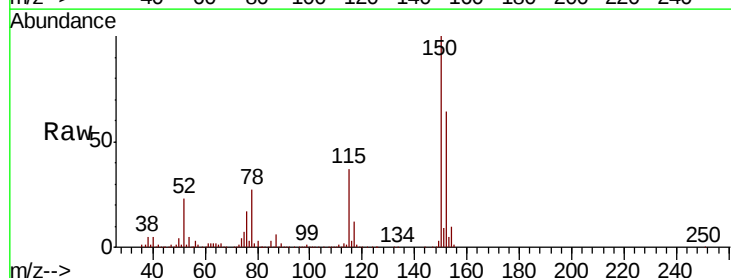
Acq: 12 Jun 2020 19:23

Tgt Ion: 75 Resp: 19605

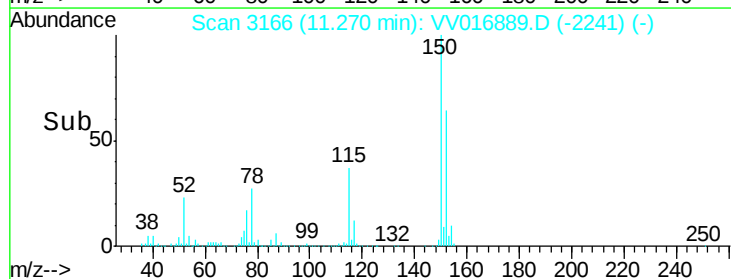
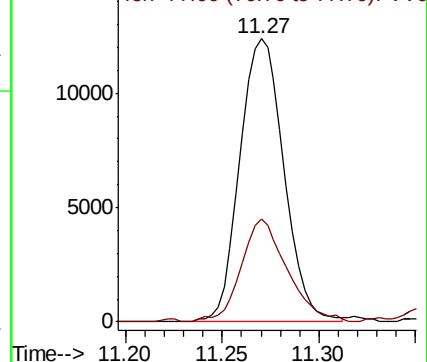
Ion Ratio Lower Upper

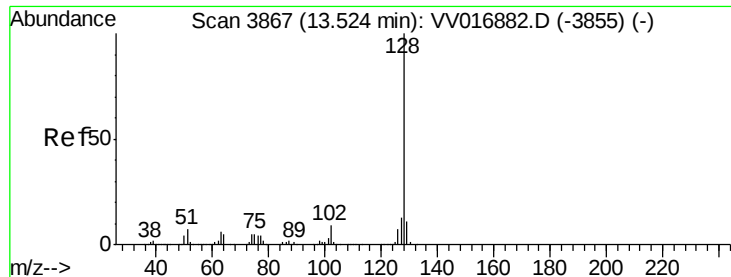
75 100

77 37.3 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016889.D (-2241) (-)





#69

Naphthalene

Concen: 1.565 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016889.D

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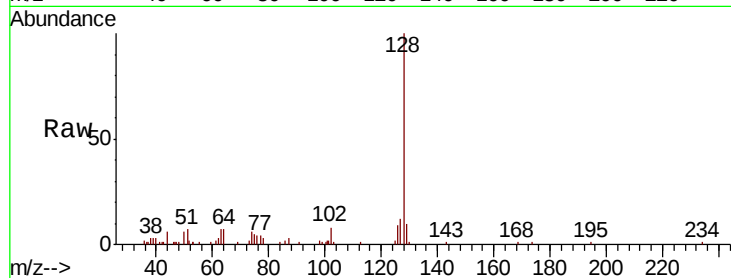
Tot Ion:128 Resp: 16533

Ion Ratio Lower Upper

128 100

127 7.6 10.5 15.7#

129 13.0 8.7 13.1



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

